



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

Input file: 87 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".

[Download results as a PDF](#)

[Click here to run STAMP again.](#)

Multiple Alignment

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

```

M0 : -----AAAAAAAAAAAAAAAA-----
M1 : -----TTTTTAAAAA-----
M2 : -----TTAAAAAAAAAAAA-----
M3 : -----GAAAAGGAAAA-----
M4 : -----GGRAAGAAA-----
M5 : -----GGGGGGGGGAGGAGGGGGGGGG-----
M6 : -----GGMAGGAAG-----
M7 : -----GGGAGAGGMAGG-----
M8 : -----GGGGGGGGGAGGGAGGGGGGGGG-----
M9 : -----GCAGCAGCCGGGG-----
M10 : -----GGGGGGGGGGGGCGGGGCGGGGGG-----
M11 : -----GGGGAAGGG-----
M12 : -----GGGGGGGGGAGGGAGGGGGGGGG-----
M13 : -----GGAGGAGAG-----
M14 : -----GGGAGGGAA-----
M15 : -----CAGCAGCAGC-----
M16 : -----GGGGGGGGGTGGGG-----
M17 : -----GCAGGAAAGGGGGGG-----
M18 : -----GGGGGAGGGGAGGGGGGGGG-----
M19 : -----GGCTGCAGG-----
M20 : -----GGGAGAGGGG-----
M21 : -----GGGGGGGNGGAGCTGGGGGGGGG-----
M22 : -----GGGGAAGGGG-----
    
```

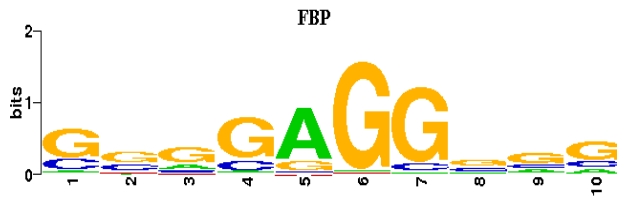
Stamp Results

04/30/14

M23: -----GGGGGGGTGGGGGTGGGGGGGGGG
M24: -----GCTGCAGAGGC-----
M25: -----GGAGGAAAG-----
M26: -----TGGGGAGGGGGGGG-----
M27: -----GGCGGCGGCGGCGGCGGG-----
M28: -----GGCTGGAGG-----
M29: -----GGAGCYGGGGG-----
M30: -----GGGGGGGGGAGAGGGGGGGGGGG-----
M31: -----GGGGCGGGGCTGGGG-----
M32: -----GGGGGGGGCTGGGMGCGGGGGG-----
M33: -----GGCCGAGGCC-----
M34: -----CCCMGCAGGCC-----
M35: -----GGGGAGGTGAGGC-----
M36: -----MGGAGGGGG-----
M37: -----GGGGGTGGGGAGGGG-----
M38: -----CCGCGCCYGGAGCCGG-----
M39: GGGGGGGGGGCGGGGCCGGGGGGG-----
M40: -----GGGGGGCCGCGGCCGCGGCGGCGG-----
M41: -----GWGGCCAGG-----
M42: -----GCAGGCAGG-----
M43: -----CCCAGAGGAG-----
M44: -----GGGCWGAGGG-----
M45: -----GGGGCTGGGAG-----
M46: -----GAAGNTGGCGGCGG-----
M47: -----CAGCCCCAGG-----
M48: -----RGGCAGCAG-----
M49: -----CGGAGCCCAG-----
M50: -----GGGGGGGGMGGGGCGGGGGCGGGG-----
M51: -----GGGGGGGGCGGAGGGCGGGGGGG-----
M52: -----GGGAGGGGGCG-----
M53: -----GGGCTGCGGGC-----
M54: -----GGAGGAGCC-----
M55: -----GGCYGAGGCCG-----
M56: -----GCSCAGGCGC-----
M57: -----GCAGGTGAGCGGGGGGG-----
M58: -----AGGGTGWGG-----
M59: -----CCCRGGCCC-----
M60: -----GGGGAGGCGGGG-----
M61: -----GGGGKGTGGGGGGGGG-----
M62: -----GGGCMGGAGG-----
M63: -----CCCAGCCMGGCCC-----
M64: -----CCGGAAGTG-----
M65: -----AGGMAAGG-----

M66: -----GSAGAAAG-----
 M67: -----AGGCAGAG-----
 M68: -----CCRGGAAG-----
 M69: -----GGGGAGG-----
 M70: -----GGAGGCTG-----
 M71: -----CAGAGCTG-----
 M72: -----CTGCAGG-----
 M73: -----GAGCAGAG-----
 M74: -----AGGCTGG-----
 M75: -----CTGGGCTG-----
 M76: -----CAGGGCAG-----
 M77: -----GAGCTGGG-----
 M78: -----CCAGAGC-----
 M79: -----GAGAAAGC-----
 M80: -----GGGCTGCT-----
 M81: -----GAGCCAG-----
 M82: -----CCCCAGAG-----
 M83: -----CAGGAGC-----
 M84: -----GAGAGGGG-----
 M85: -----TGCAGGGR-----
 M86: -----AGGGGGCG-----

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

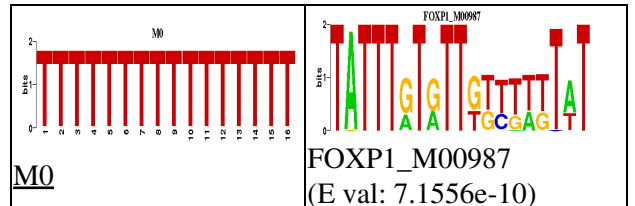


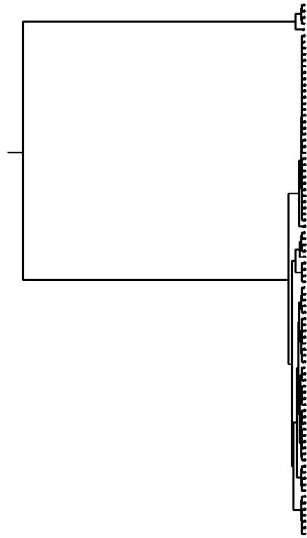
Motif Tree

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

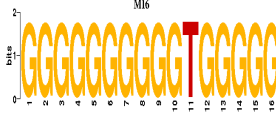

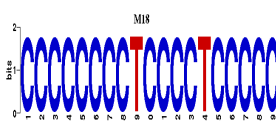

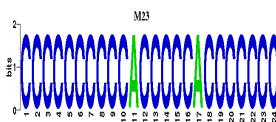

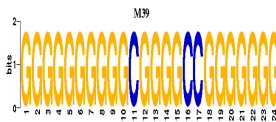
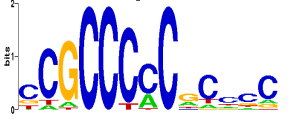
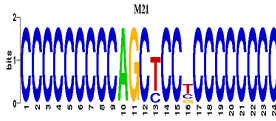

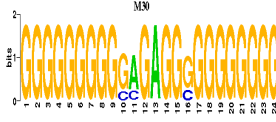

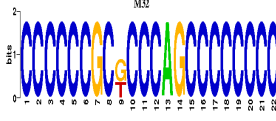

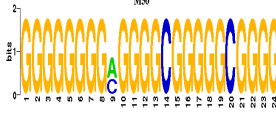
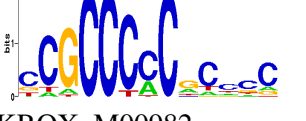
Input Motif

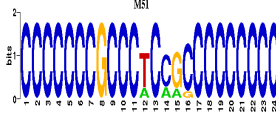
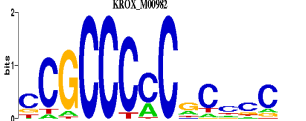
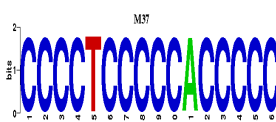

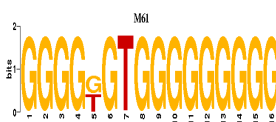
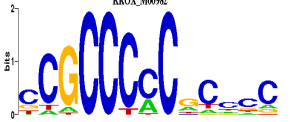
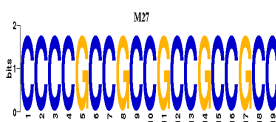
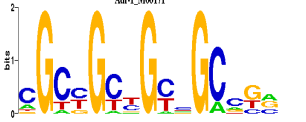
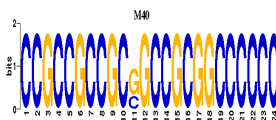
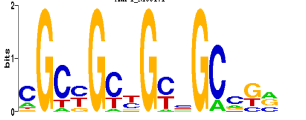
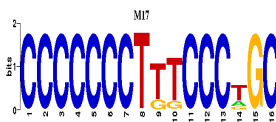

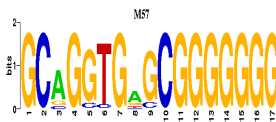


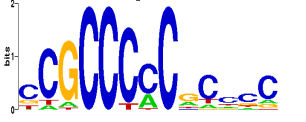
Best match in
 TRANSFAC





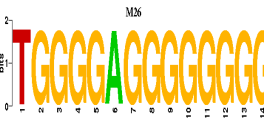


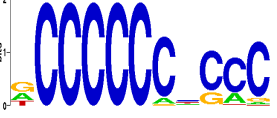


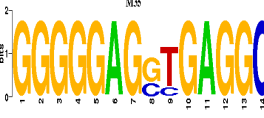













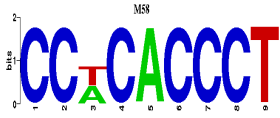



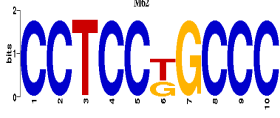



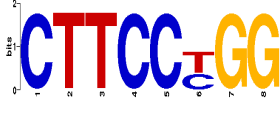






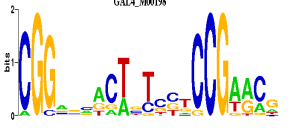
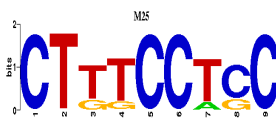
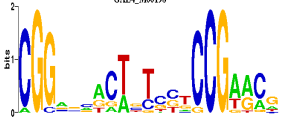


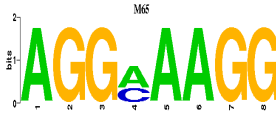

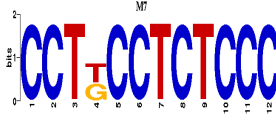


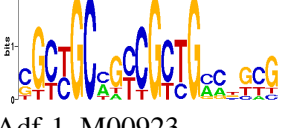


<p>M2</p>	<p>HFH4_M00742 (E val: 8.4360e-08)</p>
<p>M3</p>	<p>AG_M01133 (E val: 7.8523e-09)</p>
<p>M4</p>	<p>STE11_M01005 (E val: 1.5870e-06)</p>
<p>M1</p>	<p>MEF-2_M00405 (E val: 2.9868e-07)</p>
<p>M5</p>	<p>ZNF219_M01122 (E val: 1.3895e-10)</p>
<p>M8</p>	<p>ZNF219_M01122 (E val: 1.3895e-10)</p>
<p>M10</p>	<p>KROX_M00982 (E val: 5.3957e-14)</p>
<p>M12</p>	<p>ZNF219_M01122 (E val: 1.3895e-10)</p>






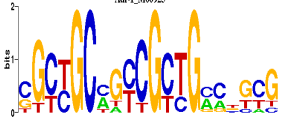
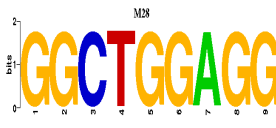





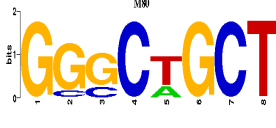


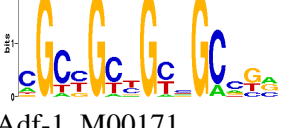
 <p>M16</p>	 <p>ZNF219_M0112 (E val: 1.0769e-12)</p>
 <p>M18</p>	 <p>ZNF219_M0112 (E val: 7.1874e-11)</p>
 <p>M23</p>	 <p>UF1H3BETA_M01068 (E val: 3.1483e-12)</p>
 <p>M39</p>	 <p>KROX_M00982 (E val: 1.4322e-14)</p>
 <p>M21</p>	 <p>UF1H3BETA_M01068 (E val: 8.3691e-09)</p>
 <p>M30</p>	 <p>ZNF219_M0112 (E val: 6.9720e-11)</p>
 <p>M32</p>	 <p>RREB-1_M00257 (E val: 3.9812e-08)</p>
 <p>M50</p>	 <p>KROX_M00982 (E val: 0.0000e+00)</p>





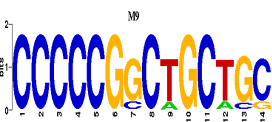

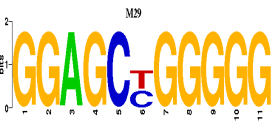

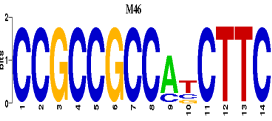


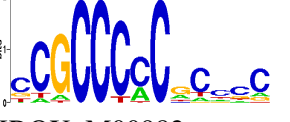
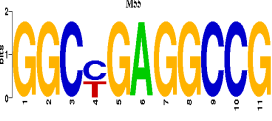



 <p>M51</p>	 <p>KROX_M00982 (E val: 2.9465e-10)</p>
 <p>M37</p>	 <p>UF1H3BETA_M01068 (E val: 1.1102e-16)</p>
 <p>M61</p>	 <p>KROX_M00982 (E val: 2.2704e-11)</p>
 <p>M27</p>	 <p>Adf-1_M00171 (E val: 0.0000e+00)</p>
 <p>M40</p>	 <p>Adf-1_M00171 (E val: 6.9156e-13)</p>
 <p>M17</p>	 <p>BLIMP1_M01066 (E val: 1.8766e-07)</p>
 <p>M57</p>	 <p>myogenin_M00712 (E val: 4.3961e-07)</p>
 <p>M86</p>	 <p>KROX_M00982 (E val: 1.7954e-07)</p>



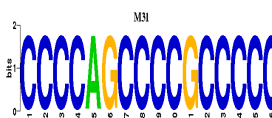
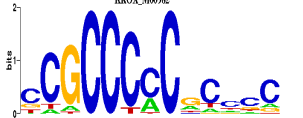
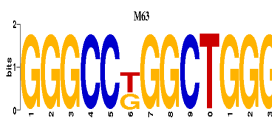
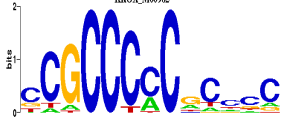



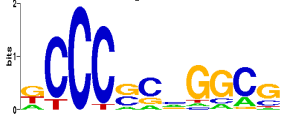
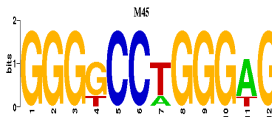


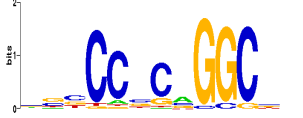

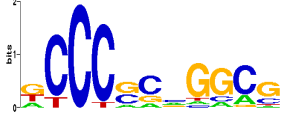
<p>M11</p>  <p>M11</p>	<p>UF1H3BETA_M01068</p>  <p>UF1H3BETA_M01068 (E val: 3.3651e-09)</p>
<p>M22</p>  <p>M22</p>	<p>UF1H3BETA_M01068</p>  <p>UF1H3BETA_M01068 (E val: 2.6569e-10)</p>
<p>M26</p>  <p>M26</p>	<p>KROX_M00982</p>  <p>KROX_M00982 (E val: 5.8759e-12)</p>
<p>M60</p>  <p>M60</p>	<p>ZNF219_M01122</p>  <p>ZNF219_M01122 (E val: 2.8671e-08)</p>
<p>M69</p>  <p>M69</p>	<p>UF1H3BETA_M01068</p>  <p>UF1H3BETA_M01068 (E val: 7.7885e-09)</p>
<p>M35</p>  <p>M35</p>	<p>AtMYB-84_M00970</p>  <p>AtMYB-84_M00970 (E val: 1.1650e-07)</p>
<p>M14</p>  <p>M14</p>	<p>MAZ_M00649</p>  <p>MAZ_M00649 (E val: 1.2272e-10)</p>
<p>M20</p>  <p>M20</p>	<p>UF1H3BETA_M01068</p>  <p>UF1H3BETA_M01068 (E val: 2.3808e-10)</p>


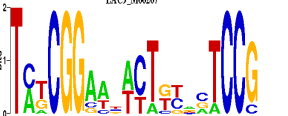
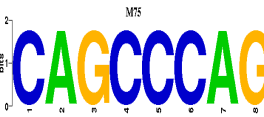


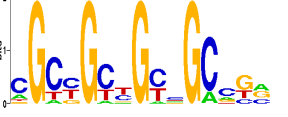







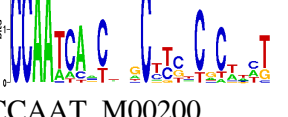
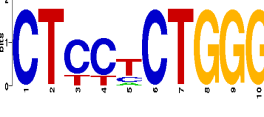

<p>M84</p>  <p>M84</p>	<p>UF1H3BETA_M01068</p>  <p>UF1H3BETA_M01068 (E val: 2.8343e-06)</p>
<p>M52</p>  <p>M52</p>	<p>UF1H3BETA_M01068</p>  <p>UF1H3BETA_M01068 (E val: 1.9736e-11)</p>
<p>M36</p>  <p>M36</p>	<p>ZNF219_M01122</p>  <p>ZNF219_M01122 (E val: 1.6125e-08)</p>
<p>M58</p>  <p>M58</p>	<p>CACCC-binding_M00721</p>  <p>CACCC-binding_M00721 (E val: 1.9602e-09)</p>
<p>M6</p>  <p>M6</p>	<p>NERF1a_M00531</p>  <p>NERF1a_M00531 (E val: 2.9930e-08)</p>
<p>M62</p>  <p>M62</p>	<p>Ttk_M00009</p>  <p>Ttk_M00009 (E val: 1.1443e-05)</p>
<p>M64</p>  <p>M64</p>	<p>GABP_M00341</p>  <p>GABP_M00341 (E val: 2.1205e-14)</p>
<p>M68</p>  <p>M68</p>	<p>NERF1a_M00531</p>  <p>NERF1a_M00531 (E val: 3.8874e-08)</p>


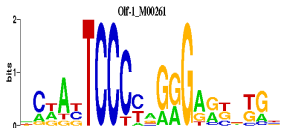







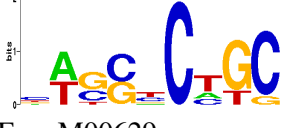


 <p>M66</p>	 <p>PU.1_M00658 (E val: 6.8940e-06)</p>
 <p>M13</p>	 <p>GAL4_M00198 (E val: 1.3496e-07)</p>
 <p>M25</p>	 <p>GAL4_M00198 (E val: 6.5119e-07)</p>
 <p>M41</p>	 <p>BRK_M01096 (E val: 4.6310e-05)</p>
 <p>M65</p>	 <p>PBF_M01130 (E val: 1.5826e-05)</p>
 <p>M7</p>	 <p>PU.1_M00658 (E val: 1.0504e-07)</p>
 <p>M42</p>	 <p>Adf-1_M00923 (E val: 2.6004e-05)</p>
 <p>M81</p>	 <p>BRK_M01096 (E val: 7.5813e-06)</p>

 <p>M70</p>	 <p>SMAD4_M00733 (E val: 4.8026e-05)</p>
 <p>M74</p>	 <p>CAC-binding_M00720 (E val: 1.0873e-07)</p>
 <p>M19</p>	 <p>Adf-1_M00923 (E val: 2.6531e-05)</p>
 <p>M28</p>	 <p>Barbie_M00238 (E val: 3.9550e-07)</p>
 <p>M44</p>	 <p>Dde_M00304 (E val: 1.2873e-07)</p>
 <p>M53</p>	 <p>ZBRK1_M01105 (E val: 1.0906e-07)</p>
 <p>M80</p>	 <p>LBP-1_M00644 (E val: 2.8001e-05)</p>
 <p>M24</p>	 <p>Adf-1_M00171 (E val: 6.1721e-05)</p>

 <p>M72</p>	 <p>HEB_M00698 (E val: 5.1589e-05)</p>
 <p>M85</p>	 <p>Ttk_M00009 (E val: 2.3215e-04)</p>
 <p>M9</p>	 <p>TAL1_M00993 (E val: 5.2023e-06)</p>
 <p>M29</p>	 <p>Barbie_M00238 (E val: 7.4073e-06)</p>
 <p>M46</p>	 <p>ERF2_M01057 (E val: 1.9498e-07)</p>
 <p>M33</p>	 <p>KROX_M00982 (E val: 3.9220e-04)</p>
 <p>M55</p>	 <p>Dde_M00304 (E val: 1.1423e-05)</p>
 <p>M38</p>	 <p>PDR3_M00752 (E val: 2.7603e-05)</p>

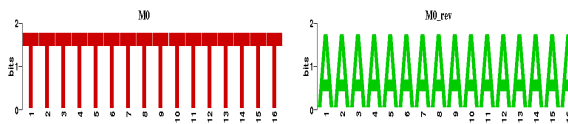
 <p>M47</p>	 <p>Alfin1_M00479 (E val: 2.4015e-06)</p>
 <p>M31</p>	 <p>KROX_M00982 (E val: 1.6711e-11)</p>
 <p>M63</p>	 <p>KROX_M00982 (E val: 8.6686e-06)</p>
 <p>M77</p>	 <p>LUN-1_M00480 (E val: 2.5222e-07)</p>
 <p>M34</p>	 <p>AP-2_M00189 (E val: 1.8296e-06)</p>
 <p>M45</p>	 <p>KROX_M00982 (E val: 4.0363e-07)</p>
 <p>M59</p>	 <p>AP-2_M00915 (E val: 1.5107e-05)</p>
 <p>M56</p>	 <p>AP-2_M00189 (E val: 1.3646e-06)</p>

 <p>M49</p>	 <p>LAC9_M00207 (E val: 8.2228e-05)</p>
 <p>M75</p>	 <p>YY1_M00069 (E val: 5.0668e-05)</p>
 <p>M15</p>	 <p>Adf-1_M00171 (E val: 1.8763e-06)</p>
 <p>M48</p>	 <p>LMAF_M01139 (E val: 1.9662e-07)</p>
 <p>M54</p>	 <p>UF1H3BETA_M01068 (E val: 3.8794e-05)</p>
 <p>M83</p>	 <p>Ttk_M00009 (E val: 5.1589e-05)</p>
 <p>M79</p>	 <p>CCAAT_M00200 (E val: 7.1129e-06)</p>
 <p>M43</p>	 <p>EBF_M00977 (E val: 3.9165e-06)</p>

 <p>M82</p>	 <p>Olf-1_M00261 (E val: 1.6686e-06)</p>
 <p>M67</p>	 <p>SMAD3_M00701 (E val: 3.1826e-06)</p>
 <p>M73</p>	 <p>CDC5_M00361 (E val: 7.0009e-05)</p>
 <p>M71</p>	 <p>Sry-beta_M00666 (E val: 1.0165e-05)</p>
 <p>M78</p>	 <p>Eve_M00629 (E val: 1.6374e-04)</p>
 <p>M76</p>	 <p>HNF4_M01033 (E val: 9.9733e-05)</p>

Motif Similarity Matches

M0



forward

reverse compliment

Name

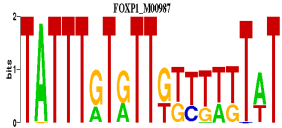
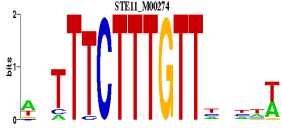



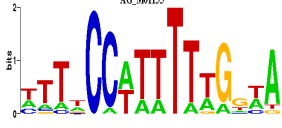


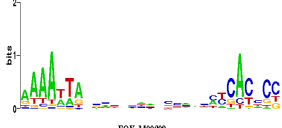

E value

Alignment

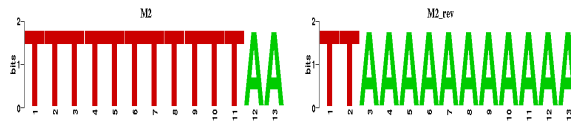
Motif

Stamp Results

04/30/14

FOXP1_M00987	7.1556e-10	---TTTTTTTTTTTTTTTT TATTTGTGTTGTTTTTAT	
STE11_M00274	9.8050e-10	AAAAAAAAAAAAAAAAA-- WNNNNAACAAAGAAANW	
BR-C_M00092	8.5197e-09	AAAAAAAAAAAAAAAAA RANAAATAGNWNNNN--	
HSF_M00163	1.8274e-06	-TTTTTTTTTTTTTTTT NTTCNTTCTNTTC---	
STE11_M01005	3.7220e-05	TTTTTTTTTTTTTTTT TTTCTTTGTC-----	
AG_M01133	6.3860e-05	-AAAAAAAAAAAAAAAAA TWNCAAAAAWGGNAAN--	
MCM1+SFF_M01051	8.3305e-05	-----AAAAAAAAAAAAAAAA CCNAAWNNGGNAAWANNTAAAYAA--	
HFH4_M00742	1.3259e-04	-AAAAAAAAAAAAAAAAA TAAACAAACAMW-----	
Pax-4_M00380	1.8938e-04	-AAAAAAAAAAAAAAAAA----- N-AAAWTANNNNNNNNNNNNNNNNNNCACNCN	
FOX_M00809	2.1294e-04	TTTTTTTTTTTTTTTT ANTGTTTRTTW----	

M2



forward


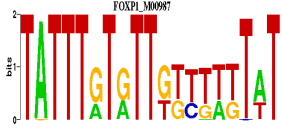
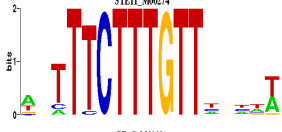

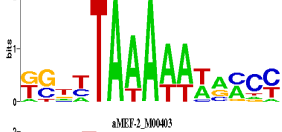
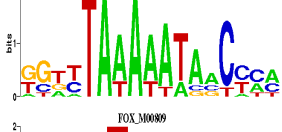




reverse complement

Name

E value

Alignment

Motif

HFH4_M00742	8.4360e-08	TTAAAAAAAAAAAA -TAAACAAACAMW	
FOXP1_M00987	3.6818e-07	TTAAAAAAAAAAAA----- ATAAAAAACAACACAAATA	
STE11_M00274	4.1898e-07	--TTAAAAAAAAAAAA-- WNNNNAACAAAGAAANW	
BR-C_M00091	1.2900e-06	---TTTTTTTTTTTAA- NNNWTGTYTATNANN	
MEF-2_M00405	1.6880e-06	TTTTTTTTTTTAA--- -RGKNWTTTTTANNSM	
aMEF-2_M00403	3.8895e-06	-TTTTTTTTTTTAA--- KKRGNATTTTTARNCM	
FOX_M00809	5.8279e-06	TTTTTTTTTTTAA ANTGTTTTRTTTW-	
BR-C_M00094	5.9995e-06	TTAAAAAAAAAAAA -WWRTAASAWAA	
STE11_M01005	7.9143e-06	TTTTTTTTTTTAA TTTCTTGTTTC--	
XFD-3_M00269	1.5010e-05	TTTTTTTTTTTAA-- --WKWTGTTTACWN	

M3



forward

reverse complement

Name

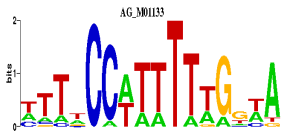
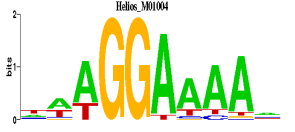





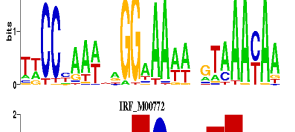
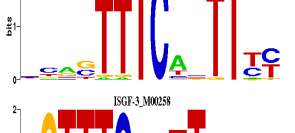
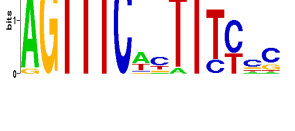
E value

Alignment

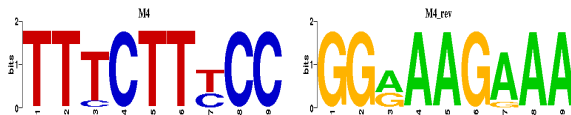
Motif

Stamp Results

04/30/14

AG_M01133	7.8523e-09	-----GAAAAGGAAAA TWNCAAAAAWGGNAAN	
Helios_M01004	1.0457e-07	-TTTTCTTTTC NTTTCTWN--	
ID1_M01021	1.2937e-07	GAAAAGGAAAA -AWAASGACAA	
HSF_M00163	2.3984e-07	GAAAAGGAAAA--- GAANAGAANAGAAN	
BLIMP1_M01066	1.2460e-06	--TTTTCTTTTC YMCTTTCMCTTYC	
Elf-1_M00746	1.8701e-06	TTTTCTTTTC AYTTCTCTTN	
SED_M01128	9.1316e-06	GAAAAGGAAAA -NAAAGNNA-	
MCM1+SFF_M01051	1.0262e-05	-----TTTTCTTTTC----- TTRTTTANNWTNCCNNWTTNGGNA	
IRF_M00772	1.2791e-05	---TTTTCTTTTC NNNSTTTCANTYY	
ISGF-3_M00258	1.8007e-05	-GAAAAGGAAAA-- GNGAAANWGAACT	

M4



forward





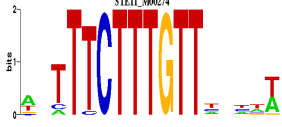
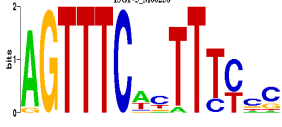




reverse complement

Name

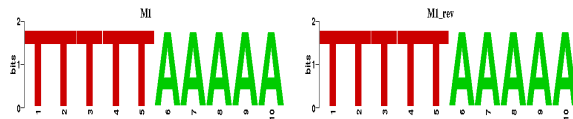
E value

Alignment

Motif

STE11_M01005	1.5870e-06	TTTCTTYCC-- TTTCTTTGTT	
HSF_M00163	3.4614e-06	-----TTTCTTYCC NTTCTNTTCTNTTC	
HSF_M00164	3.4614e-06	-----TTTCTTYCC AGAANNTTCTNTTC	
Rim101p_M01030	7.5220e-06	TTTCTTYCC TTNCTTG--	
STE11_M00274	2.6205e-05	-----GGRAAGAAA-- WNNNAACAAAGAAAANW	
ISGF-3_M00258	5.6570e-05	-GGRAAGAAA---- GNGAAANWGAAACT	
BR-C_M00094	9.8273e-05	-TTTCTTYCC-- TTWTSITTAYWW	
BPC1_M01126	1.4335e-04	TTTCTTYCC ---NTTTC-	
HSF_M00166	2.8412e-04	-----GGRAAGAAA TTCTAGAANAGAAN	
PEND_M01015	3.6261e-04	-TTTCTTYCC ACTTCTT---	

M1



forward

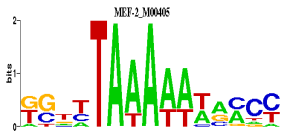
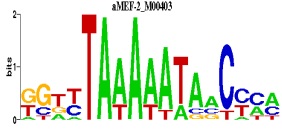
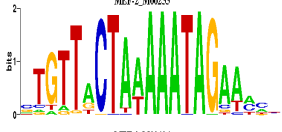
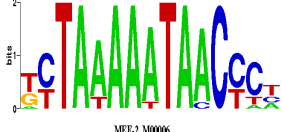






reverse compliment

Name

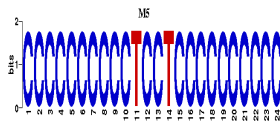
E value

Alignment

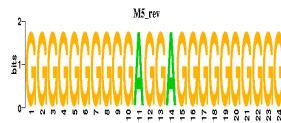
Motif

MEF-2_M00405	2.9868e-07	-----TTTTTAAAAA RGKNWTTTTTTANNM	
aMEF-2_M00403	3.1767e-06	-----TTTTTAAAAA KKRGNTATTTTTARNM	
MEF-2_M00233	1.9584e-05	-----TTTTTAAAAA----- NNNTTCTATTTTTAGTAACAN	
MEF-2_M00406	2.5426e-05	-----TTTTTAAAAA NNGGTTATTTTTAGM--	
MEF-2_M00006	4.9225e-05	-----TTTTTAAAAA RGRGTTATTTTTAGA--	
TATA_M00216	7.5424e-05	TTTTTAAAAA NTTTTATAG-	
Abd-B_M01094	8.7874e-05	TTTTTAAAAA -TTTTAT---	
Hb_M00022	1.2639e-04	-TTTTTAAAAA NTTTTTNYK--	
C-EBPgamma_M00622	1.8426e-04	-TTTTTAAAAA- TNATTTCARAAW	
GT-1_M00635	3.0590e-04	TTTTTAAAAA TWNNA----	

M5



forward



reverse compliment

Name

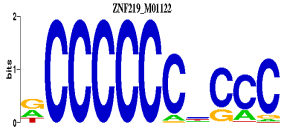





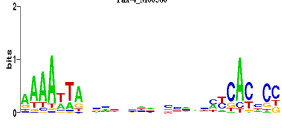

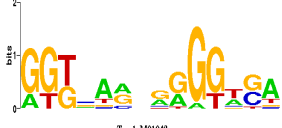

E value

Alignment

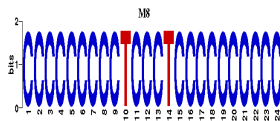
Motif

Stamp Results

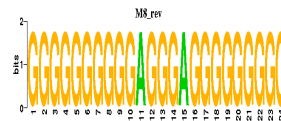
04/30/14

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-----	

M8



forward



reverse complement

Name

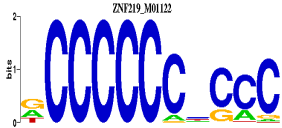


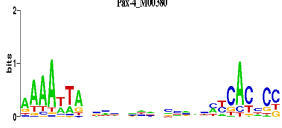






E value

Alignment

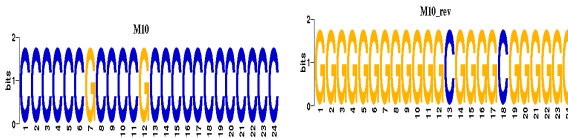
Motif

Stamp Results

04/30/14

ZNF219_M01122	1.3895e-10	GGGGGGGGGGAGGGAGGGGGGGGG GGGNGGGGGGN-----	
KROX_M00982	2.1546e-09	GGGGGGGGGGAGGGAGGGGGGGGG GNNNGGGGGGCG-----	
TFII-I_M00706	8.0531e-09	CCCCCCCCCTCCCTCCCCCCCCC -----CTMCNTC-----	
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 -GGGGTGGTTTGGG-----	
Sp1_M00933	5.5059e-05	CCCCCCCCCTCCCTCCCCCCCCC -----CCCKCCCN-----	
CAC-binding_M00720	5.6072e-05	CCCCCCCCCTCCCTCCCCCCCCC -----CCCASCCY-----	

M10

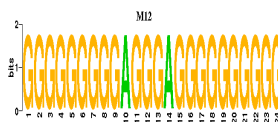


forward

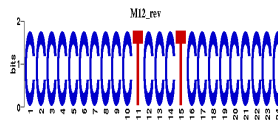
reverse complement

Name	E value	Alignment	Motif
KROX_M00982	5.3957e-14	GGGGGGGGGGGGCGGGGCGGGGGG --GNNGNNGGGGGCGG-----	
ZNF219_M01122	4.0523e-13	GGGGGGGGGGGGCGGGGCGGGGGG --GGNGGGGGGN-----	
MAZR_M00491	1.9170e-09	GGGGGGGGGGGGCGGGGCGGGGGG ---SGGGGGGGMNN-----	
UF1H3BETA_M01068	6.2385e-09	GGGGGGGGGGGGCGGGGCGGGGGG GYGGGGGAGGGGC-----	
GC_M00255	2.7312e-08	GGGGGGGGGGGGCGGGGCGGGGGG -----NNGGGCGGGGCNN-----	
Sp1_M00931	4.0246e-08	CCCCCGCCCCGCCCCCCCCCCCC -NCCCCGCC-----	
Sp1_M00933	6.7910e-08	CCCCCGCCCCGCCCCCCCCCCCC ---CCCKCCCCN-----	
Sp1_M00196	2.2522e-07	CCCCCGCCCCGCCCCCCCCCCCC NNCCCCGCCCN-----	
Alfin1_M00479	7.0877e-06	CCCCCGCCCCGCCCCCCCCCCCC -----MNNCCCCACNYYN	
ABI4_M00958	1.0211e-05	GGGGGGGGGGGGCGGGGCGGGGGG -----GGCGGTGCN-----	

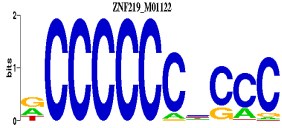

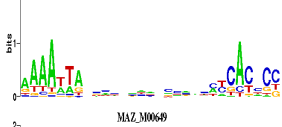



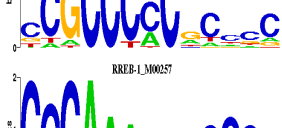



M12



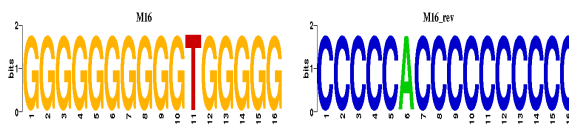
forward



reverse compliment










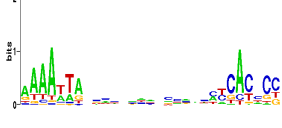
Name	E value	Alignment	Motif
ZNF219_M01122	1.3895e-10	GGGGGGGGGAGGGAGGGGGGGGGG- -----GGGNGGGGGGN	
TFII-I_M00706	8.0531e-09	CCCCCCCCCTCCCTCCCCCCCCC -----CCTMCNTC-----	
Pax-4_M00380	2.7235e-08	GGGGGGGGGAGGGAGGGGGGGGG- NGNGTGNNNNNNNNNNNNNNNTAWTTN	
MAZ_M00649	3.2502e-08	CCCCCCCCCTCCCTCCCCCCCCC -----CCCTCC-----	
MAZR_M00491	1.4729e-07	GGGGGGGGGAGGGAGGGGGGGGG SGGGGGGGGMNN-----	
UF1H3BETA_M01068	2.4634e-07	CCCCCCCCCTCCCTCCCCCCCCC -----GCCCTCCCCRC--	
KROX_M00982	7.8842e-07	GGGGGGGGGAGGGAGGGGGGGGG -----GNNGNGGGGGCGG--	
RREB-1_M00257	1.7614e-05	GGGGGGGGGAGGGAGGGGGGGGG GGGGTGTTTGGG-----	
Sp1_M00933	5.5059e-05	CCCCCCCCCTCCCTCCCCCCCCC -----CCCKCCCN-----	
CAC-binding_M00720	5.6072e-05	CCCCCCCCCTCCCTCCCCCCCCC -----CCASCCY-----	

M16

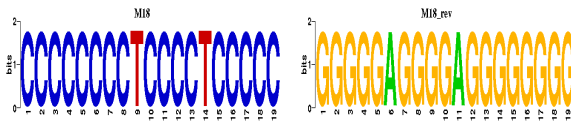










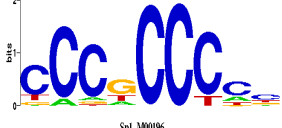

forward

reverse compliment

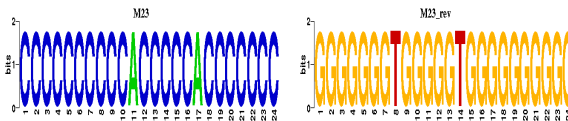
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	1.0769e-12	GGGGGGGGGGTGGGGG GGGNGGGGGGN-----	
KROX_M00982	5.2712e-11	GGGGGGGGGGTGGGGG GNNNGGGGGGCGG----	
RREB-1_M00257	2.6576e-10	GGGGGGGGGGTGGGGG -GGGGTGGTTTGGG--	
UF1H3BETA_M01068	1.8441e-09	CCCCACCCCCCCCCC GCCCCCCCCRC---	
AtMYB-84_M00970	4.6458e-09	CCCCACCCCCCCCCC ---SCACCTACCNC-	
MAZR_M00491	2.9574e-08	GGGGGGGGGGTGGGGG SGGGGGGGGMNN----	
CAC-binding_M00720	3.5705e-07	GGGGGGGGGGTGGGGG -----RGGSTGGG--	
Alfin1_M00479	6.3427e-07	--CCCCACCCCCCCCCC MNNCCCCACNYNYN----	
GBF_M00633	1.1389e-06	CCCCACCCCCCCCCC ----NACCCNA----	
Pax-4_M00380	2.6594e-06	GGGGGGGGGGTGGGGG----- -NGNGTGNNNNNNNNNNNNNNNTAWTTTN	

M18



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	7.1874e-11	GGGGGAGGGGAGGGGGGGG -----GGGNGGGGGGN-	
KROX_M00982	1.9738e-10	GGGGGAGGGGAGGGGGGGG -----GNNNGGGGGCGG	
UF1H3BETA_M01068	7.6851e-10	CCCCCCCCTCCCCTCCCC-- -----GCCCTCCCCRC	
MAZ_M00649	1.4779e-08	CCCCCCCCTCCCCTCCCC ----CCCTCC-----	
VDR_M00444	2.7638e-06	-CCCCCCCCTCCCCTCCCC TSWCCYYNYTNMCC-----	
TFII-I_M00706	8.1984e-06	CCCCCCCCTCCCCTCCCC -----CCTMCNTC	
AtMYB-84_M00970	1.0089e-05	CCCCCCCCTCCCCTCCCC ---SCACCTACCNCC----	
MAZR_M00491	1.3580e-05	GGGGGAGGGGAGGGGGGGG--- -----SGGGGGGGMNN	
Sp1_M00933	2.2664e-05	CCCCCCCCTCCCCTCCCC -----CCCKCCCN-----	
Sp1_M00196	3.3084e-05	CCCCCCCCTCCCCTCCCC --NNCCCCGCCCN-----	

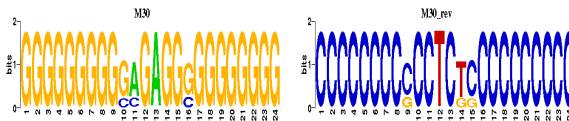
M23








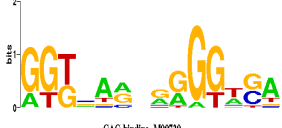




forward *reverse compliment*

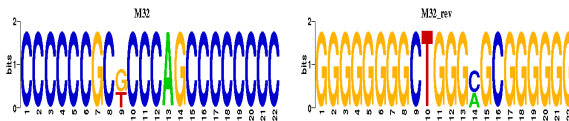
Name	E value	Alignment	Motif
UF1H3BETA_M01068	8.3691e-09	CCCCCCCCCAGCTCCNCCCCCCCC -----GCCCCTCCCCRC--	
ZNF219_M01122	2.1070e-07	GGGGGGGGNGGAGCTGGGGGGGG GGGNGGGGGN-----	
MAZR_M00491	4.5097e-07	GGGGGGGGNGGAGCTGGGGGGGG--- -----SGGGGGGGMNN	
KROX_M00982	6.6824e-07	GGGGGGGGNGGAGCTGGGGGGGG -----GNNNGGGGGCGG--	
Egr_M00807	2.0953e-05	CCCCCCCCCAGCTCCNCCCCCCCC NYYGCSCCA-----	
Sp3_M00665	2.6696e-05	GGGGGGGGNGGAGCTGGGGGGGG -----SMCTTGGGSRGG	
TAL1_M00993	2.6849e-05	CCCCCCCCCAGCTCCNCCCCCCCC -----CCANCTGNY-----	
AtMYB-84_M00970	2.8407e-05	CCCCCCCCCAGCTCCNCCCCCCCC -----SCACCTACCNC-----	
GBF_M00633	4.7070e-05	CCCCCCCCCAGCTCCNCCCCCCCC --NACCCNA-----	
TFII-I_M00706	5.8388e-05	CCCCCCCCCAGCTCCNCCCCCCCC -----CCTMCNTC-----	



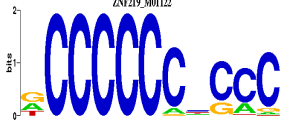







M30



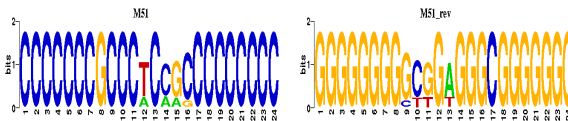
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	6.9720e-11	GGGGGGGGGAGAGGGGGGGGGGG GGGNGGGGGGN-----	
MAZR_M00491	3.5741e-08	GGGGGGGGGAGAGGGGGGGGGGG -SGGGGGGGMNN-----	
KROX_M00982	2.5997e-07	GGGGGGGGGAGAGGGGGGGGGGG GNNNGGGGGCGG-----	
UF1H3BETA_M01068	3.5752e-06	CCCCCCCCCTCTCCCCCCCCC GCCCTCCCCRC-----	
AtMYB-84_M00970	1.4898e-04	GGGGGGGGGAGAGGGGGGGGGGG ---GNGGTAGGTGS-----	
MAZ_M00649	1.5567e-04	CCCCCCCCCTCTCCCCCCCCC -----CCCTCC-----	
TFII-I_M00706	2.9035e-04	GGGGGGGGGAGAGGGGGGGGGGG -----GANGKAGG-----	
VDR_M00444	4.2829e-04	CCCCCCCCCTCTCCCCCCCCC -----TSWCCYNYTNMCC	
CAC-binding_M00720	4.4345e-04	CCCCCCCCCTCTCCCCCCCCC ---CCASCCY-----	
Sp1_M00931	4.9119e-04	-CCCCCCCCCTCTCCCCCCCCC NCCCCGCC-----	

M32



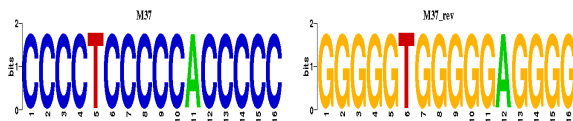
<i>Name</i>	<i>E value</i>	<i>forward</i>	<i>reverse compliment</i>	<i>Motif</i>
KROX_M00982	0.0000e+00	GGGGGGGGMGGGGCGGGGGCGGGG	-----GNNNGGGGGGCGG--	
UF1H3BETA_M01068	4.0206e-12	GGGGGGGGMGGGGCGGGGGCGGGG	-GYGGGGGAGGGGC-----	
ZNF219_M01122	2.5013e-08	GGGGGGGGMGGGGCGGGGGCGGGG	-----GGGNGGGGGGN-----	
Sp1_M00931	4.0246e-08	-CCCCGCCCCCGCCCCKCCCCCCCC	NCCCCGCC-----	
Sp1_M00933	6.7910e-08	CCCCGCCCCCGCCCCKCCCCCCCC	-CCCKCCCCN-----	
MAZ_M00649	1.0744e-07	CCCCGCCCCCGCCCCKCCCCCCCC	-----CCCTCC-----	
Sp1_M00196	2.2522e-07	--CCCCGCCCCCGCCCCKCCCCCCCC	NNCCCCGCCCN-----	
GC_M00255	2.9375e-07	CCCCGCCCCCGCCCCKCCCCCCCC	-----NNGCCCCGCCNN---	
NGFI-C_M00244	2.9664e-07	CCCCGCCCCCGCCCCKCCCCCCCC	--CCRCCCACGCA-----	
MAZR_M00491	6.9384e-07	CCCCGCCCCCGCCCCKCCCCCCCC-	-----NNKCCCCCCCCS	

M51

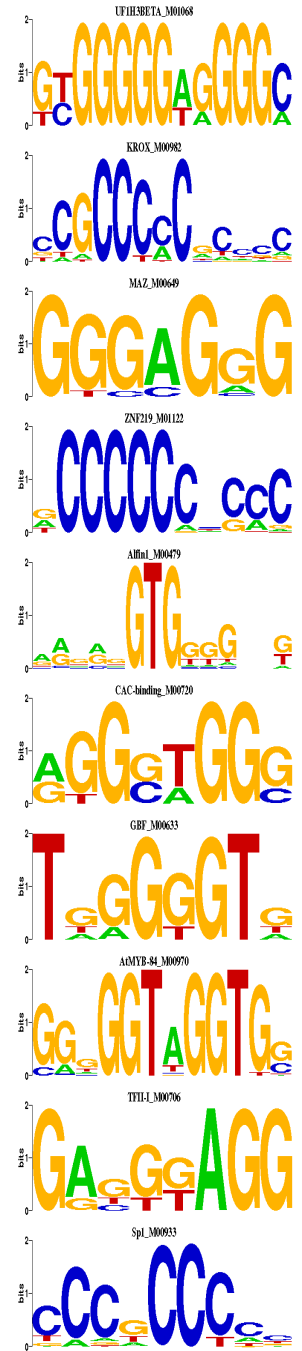


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	2.9465e-10	-GGGGGGGGGCGGAGGGCGGGGGGG GNNNGGGGGGCGG-----	
ZNF219_M01122	8.2803e-10	-GGGGGGGGGCGGAGGGCGGGGGGG GGGNGGGGGGN-----	
MAZR_M00491	2.2773e-09	GGGGGGGGGCGGAGGGCGGGGGGG SGGGGGGGGMNN-----	
Sp1_M00931	4.0246e-08	CCCCCCCCGCCCTCCGCCCCCCCCCC --NCCCCGCC-----	
UF1H3BETA_M01068	3.5806e-05	---GGGGGGGGGCGGAGGGCGGGGGGG GYGGGGGAGGGGC-----	
Sp1_M00933	4.0925e-05	CCCCCCCCGCCCTCCGCCCCCCCCCC ---CCCKCCCN-----	
AtMYB-84_M00970	5.4839e-05	GGGGGGGGGCGGAGGGCGGGGGGG GGNGGTAGGTGS-----	
Sp1_M00196	5.8580e-05	GGGGGGGGGCGGAGGGCGGGGGGG -----NGGGGCGGGNN-	
Pax-4_M00380	5.9066e-05	-----CCCCCCCCGCCCTCCGCCCCCCCCCC NAAAWTANNNNNNNNNNNNNNNNNCACNCN---	
Sp1_M00932	5.9568e-05	CCCCCCCCGCCCTCCGCCCCCCCCCC -NNCCCCGCCNN-----	

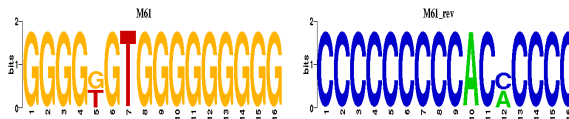
M37


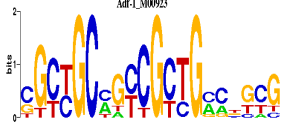


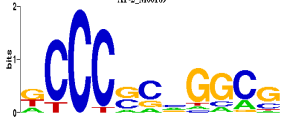







	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
UF1H3BETA_M01068	1.1102e-16	-CCCCTCCCCACCCCC GCCCTCCCCRC----
KROX_M00982	8.0491e-13	GGGGGTGGGGGAGGGG -GNNNGGGGGCGG--
MAZ_M00649	9.2524e-09	CCCCTCCCCACCCCC -CCCTCC-----
ZNF219_M01122	1.4658e-07	GGGGGTGGGGGAGGGG -GGGNGGGGGN----
Alfin1_M00479	1.4837e-07	CCCCTCCCCACCCCC- ---MNNCCCCACNYNYN
CAC-binding_M00720	3.5705e-07	GGGGGTGGGGGAGGGG -RGGSTGGG-----
GBF_M00633	1.1389e-06	CCCCTCCCCACCCCC- -----NACCCNA
AtMYB-84_M00970	1.2813e-06	CCCCTCCCCACCCCC ----SCACCTACCNC
TFII-I_M00706	4.6670e-06	CCCCTCCCCACCCCC --CCTMCNTC-----
Sp1_M00933	1.1398e-05	CCCCTCCCCACCCCC -CCCKCCCN-----

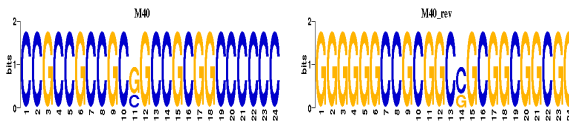


M61



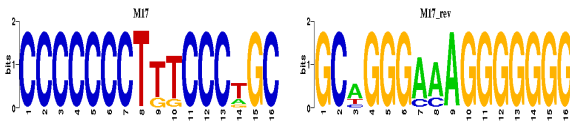
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Adf-1_M00171	0.0000e+00	GGCGGCGGCGGCGGCGGG -NMNGCNRCRGCRGCG---	
Adf-1_M00923	2.9909e-13	----GGCGGCGGCGGCGGCGGG CRMNKKCAGCGRCKGCRGCS----	
KROX_M00982	7.6566e-11	GGCGGCGGCGGCGGCGGG -GNNGNGGGGGCGG-----	
ERF2_M01057	4.2852e-07	GGCGGCGGCGGCGGCGGG GGCGGC-----	
AP-2_M00189	2.0910e-06	CCCCGCCGCGCCGCGCC NCCSCNGGCG-----	
UF1H3BETA_M01068	3.5162e-06	-CCCCGCCGCGCCGCGCC GCCCTCCCCRC-----	
Sp1_M00931	1.3087e-05	-CCCCGCCGCGCCGCGCC NCCCCGCC-----	
Sp1_M00008	5.2508e-05	-CCCCGCCGCGCCGCGCC WCCCYGCCY-----	
ETF_M00695	7.4310e-05	CCCCGCCGCGCCGCGCC --CCGCCN-----	
Sp1_M00196	1.2529e-04	--CCCCGCCGCGCCGCGCC NCCCCGCCCN-----	

M40



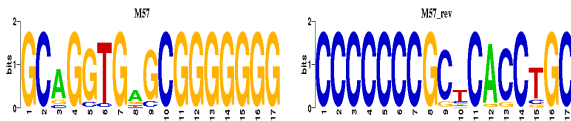
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Adf-1_M00171	6.9156e-13	GGGGGGCCGCGGCCGCGGCCGCGG -----NMNGCNRCRGCRCGCG-	
Adf-1_M00923	4.9951e-08	GGGGGGCCGCGGCCGCGGCCGCGG ---CRMNKKCAGCGRCKGCRGCS-	
KROX_M00982	1.2926e-07	GGGGGGCCGCGGCCGCGGCCGCGG -----GNNNGGGGGGCGG---	
ERF2_M01057	1.1606e-06	GGGGGGCCGCGGCCGCGGCCGCGG -----GCCGCG--	
HEN1_M00058	2.6709e-05	CCGCCCGCGCGGCCGCGGCCCGCC --NNGGNCGCAGCTGCGNCCNNN-	
PDR3_M00752	7.0604e-05	CCGCCCGCGCGGCCGCGGCCCGCC -----TCCGCGG-----	
ETF_M00695	1.6707e-04	CCGCCCGCGCGGCCGCGGCCCGCC CCGCCN-----	
NGFI-C_M00244	6.9449e-04	GGGGGGCCGCGGCCGCGGCCGCGG -----TGC GTGGGYGG	
ZBRK1_M01105	7.2510e-04	GGGGGGCCGCGGCCGCGGCCGCGG AAANNCTGCKSCC-----	
Zic3_M00450	7.9528e-04	CCGCCCGCGCGGCCGCGGCCCGCC -----GANCMCCC	

M17



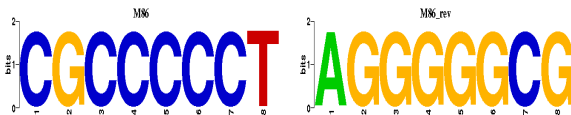
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BLIMP1_M01066	1.8766e-07	CCCCCCTTTCCCTGC- ----YMCTTTCMCTTYC	
VDR_M00444	9.1935e-06	-CCCCCCTTTCCCTGC TSWCCYNYNTNMCC---	
PBF_M01130	7.5723e-05	CCCCCCTTTCCCTGC -----CCTTT-----	
KROX_M00982	1.3874e-04	CCCCCCTTTCCCTGC CCGCCCCNCNNC---	
MAZ_M00649	2.3211e-04	CCCCCCTTTCCCTGC CCCTCC-----	
STAT1_M00224	2.3225e-04	CCCCCCTTTCCCTGC----- --NSNCANTTCCCGGAANNNN	
CAC-binding_M00720	3.3717e-04	CCCCCCTTTCCCTGC CCCASCCY-----	
BPC1_M01126	3.4081e-04	CCCCCCTTTCCCTGC -----NTTTC-----	
STRE_M00308	3.6824e-04	CCCCCCTTTCCCTGC --NCCCCT-----	
Nanog_M01123	3.7888e-04	GCAGGGAAAGGGGGG ----GGMAATGGNCC-	











M57



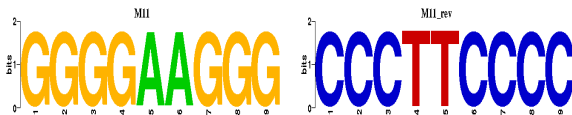
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
myogenin_M00712	4.3961e-07	CCCCCCGCTCACCTGC -----CASCTGN	
KROX_M00982	1.2601e-05	GCAGGTGAGCGGGGGGG-- -----GNNGNNGGGGGCGG	
ZNF219_M01122	1.6821e-05	GCAGGTGAGCGGGGGGG-- -----GGNGGGGGGN	
VDR_M00444	2.1973e-05	CCCCCCGCTCACCTGC TSWCCYYNYTNMCC---	
Sp1_M00931	4.1459e-05	CCCCCCGCTCACCTGC --NCCCCGCC-----	
MAZR_M00491	6.2084e-05	GCAGGTGAGCGGGGGGG--- -----SGGGGGGGGMNN	
E12_M00693	1.8064e-04	CCCCCCGCTCACCTGC -----NNNCACCTGY	
bHLH66_M01054	2.0166e-04	GCAGGTGAGCGGGGGGG GCACGTG-----	
UF1H3BETA_M01068	2.7453e-04	CCCCCCGCTCACCTGC GCCCTCCCCRC----	
MAZ_M00649	2.8547e-04	CCCCCCGCTCACCTGC CCCTCC-----	

M86



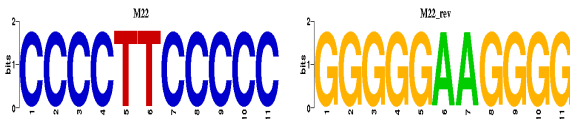
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	1.7954e-07	----AGGGGGCG-- GNNGNNGGGGGCGG	
Egr_M00807	2.0411e-07	--CGCCCCCT NYYGCSCCCA	
ZF5_M00333	2.9280e-06	-----CGCCCCCT NWGCGCGYNYNY-	
Sp1_M00933	9.7036e-06	AGGGGGCG-- -NGGGGMGGG	
STRE_M00308	1.7502e-05	CGCCCCCT --NCCCCCT	
LRF_M01100	2.6489e-05	AGGGGGCG-- -GGGGKYNN	
GBF_M00633	4.5054e-05	CGCCCCCT NACCCCA	
MOVO-B_M01104	5.9042e-05	CGCCCCCT --CCCCCN	
Sp1_M00196	6.0331e-05	-----CGCCCCCT NNCCCCGCCCCN-	
Churchill_M00986	8.6896e-05	CGCCCCCT --NNCCC-	

M11



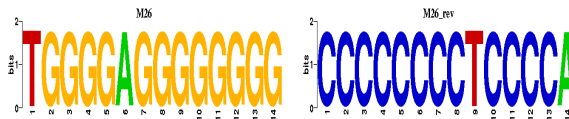
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	3.3651e-09	-CCCTTCCCC--- GCCCTTCCCCRC	
PU.1_M00658	1.9541e-06	CCCTTCCCC --CTTCCTC	
MAZ_M00649	8.3352e-06	CCCTTCCCC -CCCTCCC-	
AtMYB-84_M00970	9.4162e-06	-GGGGAAGGG-- GGNGGTAGGTGS	
VDR_M00444	1.0587e-05	-----CCCTTCCCC TSWCCYYNYTNMCC	
Sp1_M00196	2.3820e-05	--CCCTTCCCC- NNCCCCGCCCCN	
GC_M00255	3.7990e-05	---CCCTTCCCC- NNGCCCCGCCCN	
MAZR_M00491	5.4847e-05	GGGGAAGGG--- SGGGGGGGGMNN	
BLIMP1_M01066	8.9088e-05	-----CCCTTCCCC YMCTTTCMCTTYC--	
Sp3_M00665	1.4040e-04	CCCTTCCCC---- CCCYSCCCAAGKS	

M22



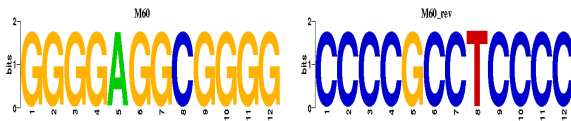
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	2.6569e-10	CCCCTTCCCC-- GCCCTCCCCRC	
AtMYB-84_M00970	7.3430e-09	GGGGGAAGGGG- GGNGGTAGGTGS	
MAF_M00648	1.1511e-06	---CCCCTTCCCC- NSNMMACTTCCYYCN	
VDR_M00444	1.3037e-06	----CCCCTTCCCC TSWCCYYNYTNMCC-	
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-----	





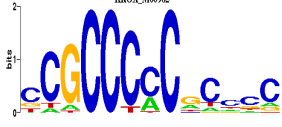





M26



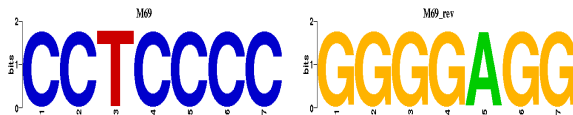
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	5.8759e-12	TGGGGAGGGGGGGG -GNNGNNGGGGGCGG	
ZNF219_M01122	6.4572e-12	TGGGGAGGGGGGGG --GGGNNGGGGGGN-	
MAZ_M00649	3.8481e-09	CCCCCCCCTCCCCA -----CCCTCCC--	
UF1H3BETA_M01068	3.6077e-08	CCCCCCCCTCCCCA-- ---GCCCTCCCCRC	
VDR_M00444	1.5255e-07	-CCCCCCCCTCCCCA TSWCCYYNYTNMCC-	
Sp3_M00665	1.5911e-06	----TGGGGAGGGGGGGG SMCTTGGGSRGGG-----	
MAZR_M00491	1.7294e-06	TGGGGAGGGGGGGG--- -----SGGGGGGGGMNN	
Sp1_M00196	4.6124e-06	CCCCCCCCTCCCCA --NNCCCCGCCCCN	
Sp1_M00933	5.0591e-06	CCCCCCCCTCCCCA -----CCCKCCCCN	
Sp1_M00931	7.9641e-06	CCCCCCCCTCCCCA ---NCCCCGCC--	

M60



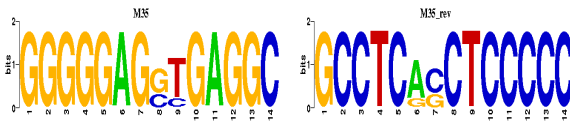
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	2.8671e-08	GGGGAGGCGGGG -GGNGGGGGGN	
Sp1_M00196	8.8991e-07	--CCCCGCCTCCCC NNCCCCGCCCCN--	
Sp1_M00931	9.8037e-07	-CCCCGCCTCCCC NCCCCGCC----	
GC_M00255	3.7487e-06	---CCCCGCCTCCCC NNGCCCCGCCCCN--	
KROX_M00982	4.2999e-06	-CCCCGCCTCCCC CCGCCCCCNCNNC	
Sp1_M00008	4.6163e-06	-CCCCGCCTCCCC WCCCYGCCY----	
Sp1_M00933	4.8725e-06	CCCCGCCTCCCC -CCCKCCCN--	
MAZ_M00649	5.7340e-06	CCCCGCCTCCCC ----CCCTCCC-	
UF1H3BETA_M01068	1.1535e-05	CCCCGCCTCCCC--- --GCCCTCCCCRC	
Alfin1_M00479	1.7336e-05	---CCCCGCCTCCCC MNNCCCCACNYNYN-	

M69



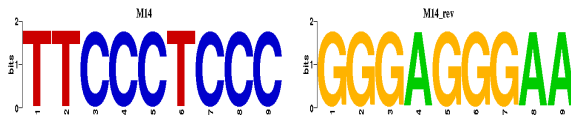
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	7.7885e-09	---CCTCCCC--- GCCCTCCCCRC	
MAZ_M00649	3.7198e-08	-CCTCCCC CCCTCCC-	
Tra-1_M01048	5.9554e-07	-CCTCCCC ACCWCCC-	
Sp3_M00665	8.8460e-07	-CCTCCCC----- CCCYSCCAAGKS	
Sp1_M00933	1.3545e-06	-GGGGAGG- NGGGGMGGG	
TFII-I_M00706	1.8610e-06	CCTCCCC- CCTMCNTC	
Sp1_M00196	1.3794e-05	----CCTCCCC- NNCCCCGCCCN	
Lyf-1_M00141	2.1620e-05	CCTCCCC- YCTCCCAA	
MAZR_M00491	3.7628e-05	--GGGGAGG--- SGGGGGGGGMNN	
GC_M00255	4.3215e-05	-----CCTCCCC- NNGCCCCGCCNN	






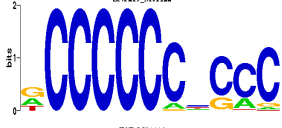




M35



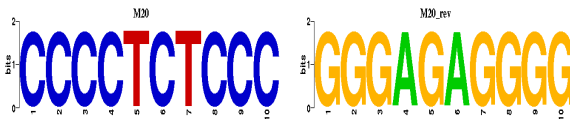
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AtMYB-84_M00970	1.1650e-07	GCCTCACCTCCCC-- ---SCACCTACCNCC	
Tra-1_M01048	3.2898e-07	GGGGAGGTGAGGC --GGWGGT-----	
UF1H3BETA_M01068	1.5032e-06	GCCTCACCTCCCC-- ---GCCCTCCCCRC	
TFII-I_M00706	7.2380e-06	GCCTCACCTCCCC -----CCTMCNTC	
Alfin1_M00479	9.5535e-06	--GCCTCACCTCCCC MNNCCCCACNYNYN--	
MAZ_M00649	3.1856e-05	GCCTCACCTCCCC -----CCCTCCC--	
Tra-1_M01049	3.6040e-05	GGGGAGGTGAGGC --GGNGGT-----	
WT1_M01118	1.7272e-04	GGGGAGGTGAGGC GNNGNGN-----	
RREB-1_M00257	2.5597e-04	GGGGAGGTGAGGC -GGGTGGTTTGGG	
myogenin_M00712	2.6224e-04	GGGGAGGTGAGGC ---NCAGSTG----	

M14



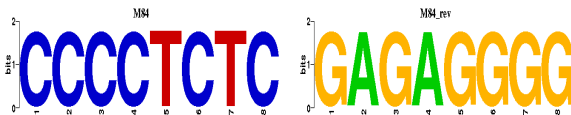
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAZ_M00649	1.2272e-10	TTCCCTCCC --CCCTCCC	
BLIMP1_M01066	1.8828e-07	----TTCCCTCCC YMCTTTCMCTTYC	
MAF_M00648	2.7245e-06	-----TTCCCTCCC NSNMMACTTCCYYCN-	
UF1H3BETA_M01068	4.1305e-06	TTCCCTCCC---- GCCCCTCCCCRC	
Tra-1_M01048	8.2984e-06	TTCCCTCCC --ACWCCC	
ZNF219_M01122	1.5841e-05	GGGAGGGAA-- GGGNGGGGGGN	
E2F_M01114	2.1502e-05	GGGAGGGAA-- -NGCGGGAAAN	
CAC-binding_M00720	3.3175e-05	TTCCCTCCC- --CCCASCCY	
TFII-I_M00706	3.9388e-05	TTCCCTCCC-- ---CCTMCNTC	
Sp1_M00933	4.3900e-05	--GGGAGGGAA NGGGGMGG--	



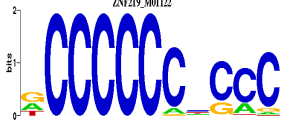





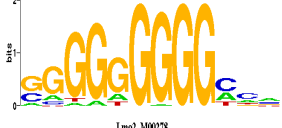

M20



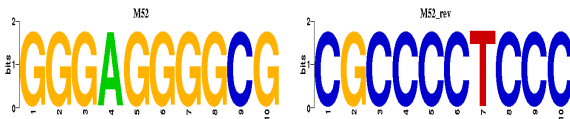
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	2.3808e-10	-CCCCTCTCCC-- GCCCTCCCCCRC	
ZNF219_M01122	8.4691e-10	GGGAGAGGGG-- GGNGGGGGGN	
MAZ_M00649	4.6518e-06	CCCCTCTCCC ---CCCTCCC	
STRE_M00308	6.7282e-05	-CCCCTCTCCC NCCCCT-----	
Sp1_M00196	1.0157e-04	--CCCCTCTCCC NNCCCCGCCCN	
FACB_M00390	1.2906e-04	-----GGGAGAGGGG----- NWNNTCCNNNNNNNNNNKANNNN	
Lyf-1_M00141	1.9687e-04	CCCCTCTCCC-- ----YCTCCCAA	
MAZR_M00491	1.9753e-04	GGGAGAGGGG--- -SGGGGGGGMNN	
GC_M00255	4.7761e-04	---CCCCTCTCCC NNGCCCCGCCCN	
BLIMP1_M01066	5.1719e-04	CCCCTCTCCC---- -YMCTTTCMCTTYC	

M84



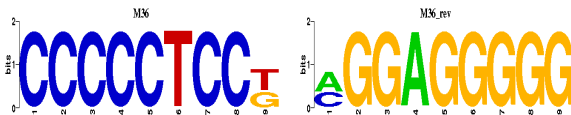
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	2.8343e-06	-CCCCTCTC---- GCCCTCCCCRC	
MAZ_M00649	3.6236e-06	CCCCTCTC -CCCTCCC	
ZNF219_M01122	1.3435e-05	--GAGAGGGG- GGGNGGGGGGN	
STRE_M00308	1.7502e-05	-CCCCTCTC NCCCCT---	
Sp1_M00931	1.4907e-04	-CCCCTCTC NCCCCGCC	
STRE_M00154	1.6619e-04	-CCCCTCTC NCCCCTN--	
MZF1_M00084	1.8526e-04	---CCCCTCTC- TTNCCCCTCENN	
Sp1_M00932	5.5622e-04	--CCCCTCTC-- NNCCCCGCCNN	
MAZR_M00491	7.2972e-04	-GAGAGGGG--- SGGGGGGGGMNN	
Lmo2_M00278	7.6899e-04	CCCCTCTC- -CSNTATCK	

M52



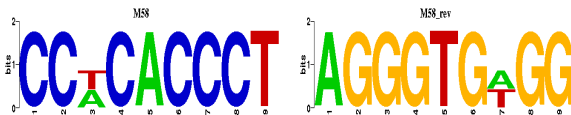
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	1.9736e-11	CGCCCCTCCC---- -GCCCCTCCCCRC	
MAZ_M00649	3.6118e-10	CGCCCCTCCC ---CCCTCCC	
ZNF219_M01122	8.4691e-10	GGGAGGGGCG- GGGNGGGGGGN	
MAZR_M00491	9.6123e-08	-GGGAGGGGCG- SGGGGGGGGMNN	
GC_M00255	2.5091e-07	--GGGAGGGGCG- NNGGGCGGGGCNN	
Sp1_M00931	4.5479e-07	CGCCCCTCCC -NCCCCGCC	
Sp1_M00932	1.0557e-05	CGCCCCTCCC-- NNCCCCGCCCN	
KROX_M00982	1.0632e-05	-CGCCCCTCCC-- CCGCCCCCNCNNC	
Sp1_M00196	1.5665e-05	CGCCCCTCCC-- NNCCCCGCCCN	
Tra-1_M01048	1.6910e-05	CGCCCCTCCC ---ACCWCCC	






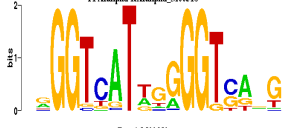
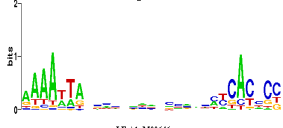

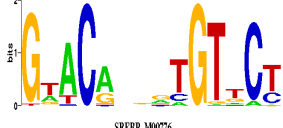

M36



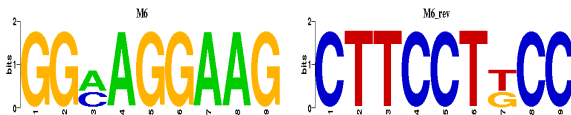
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	1.6125e-08	MGGAGGGGG-- GGGNGGGGGGN	
MAZ_M00649	7.4906e-07	CCCCCTCCK --CCCTCCC	
UF1H3BETA_M01068	4.1305e-06	CCCCCTCCK---- GCCCTCCCCRC	
MAZR_M00491	4.8766e-06	MGGAGGGGG--- SGGGGGGGMNN	
MZF1_M00084	5.9417e-06	--CCCCCTCCK- TTNCCCCTCNNN	
KROX_M00982	3.6111e-05	-MGGAGGGGG--- GNNNGGGGGCGG	
STRE_M00308	3.8903e-05	CCCCCTCCK NCCCCT---	
Sp1_M00931	7.8882e-05	CCCCCTCCK NCCCCGCC	
ETF_M00695	8.1817e-05	CCCCCTCCK ---CCGCCN	
MOVO-B_M01104	1.2357e-04	CCCCCTCCK CCCCCN---	

M58

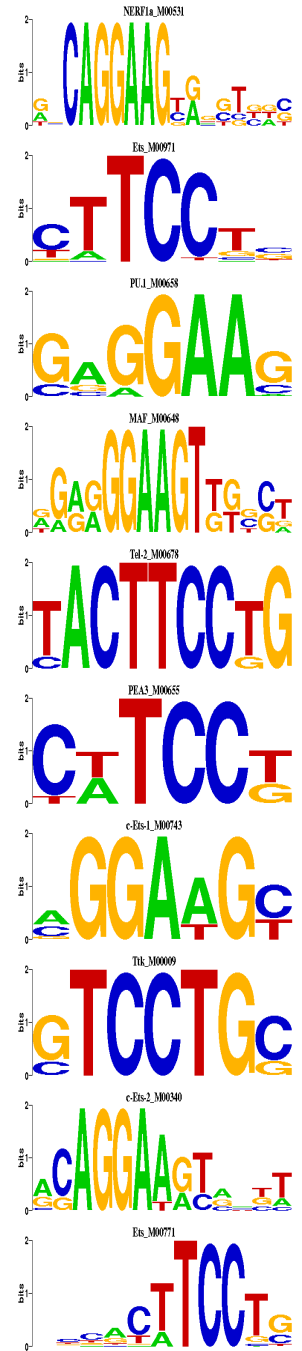


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CACCC-binding_M00721	1.9602e-09	-----AGGGTGWGG ANCMNNWGGGTGNGG	
CACD_M01113	2.3152e-07	AGGGTGWGG -GGGYGTG-	
TBX5_M01044	9.7561e-06	CCWCACCCT TCACACCTT	
UF1H3BETA_M01068	2.3429e-05	---CCWCACCCT- GCCCCTCCCCRC	
CAC-binding_M00720	3.3805e-05	CCWCACCCT -CCCASCCY	
PPARalpha-RXRalpha_M00518	3.6343e-05	-----AGGGTGWGG NNGGTCATNGGGGTSANG	
Pax-4_M00380	1.5367e-04	-----CCWCACCCT NAAAWTANNNNNNNNNNNNNNNNNNCACNCN	
LF-A1_M00646	1.6373e-04	CCWCACCCT -YWGASCC-	
AR_M00481	2.4283e-04	----AGGGTGWGG- GWACANNNTGTNCT	
SREBP_M00776	3.5410e-04	-AGGGTGWGG- TRGGGTGANN	

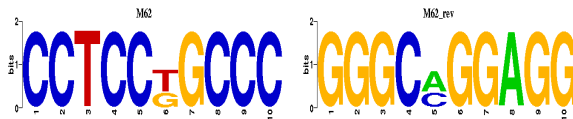
M6



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
NERF1a_M00531	2.9930e-08	GGMAGGAAG----- RNCAGGAAGYRNSTNNS
Ets_M00971	8.7719e-07	GGMAGGAAG --NAGGAAG
PU.1_M00658	1.1601e-06	CTTCCTKCC CTTCCTC--
MAF_M00648	1.3064e-06	GGMAGGAAG----- NGRRGGAAGTKKNSN
Tel-2_M00678	1.9572e-06	GGMAGGAAG-- --CAGGAAGTA
PEA3_M00655	3.0730e-06	GGMAGGAAG ---MGGAWG
c-Ets-1_M00743	5.7280e-06	-CTTCCTKCC GCTTCK---
Ttk_M00009	4.4345e-05	CTTCCTKCC -GTCCTGC-
c-Ets-2_M00340	6.0913e-05	-----CTTCCTKCC ANNNACTTCTGY-
Ets_M00771	6.1049e-05	GGMAGGAAG---- --CAGGAAGYNNN

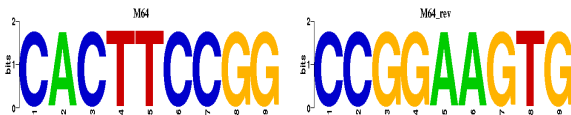


M62



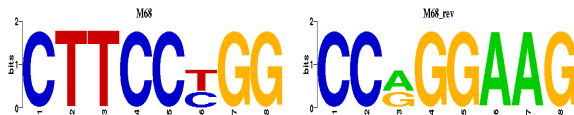
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Ttk_M00009	1.1443e-05	GGGCMGGAGG --GCAGGAC--	
AtMYB-84_M00970	1.1670e-05	--GGGCMGGAGG GGNGGTAGGTGS	
VDR_M00444	2.9554e-05	----CCTCCKGCC TSWCCYYNYTNMCC	
PacC_M00247	3.2891e-05	----CCTCCKGCC-- NNNNNNKCYTGCGNGN	
E47_M00002	3.7276e-05	----CCTCCKGCC NNNNACACCTGCNS	
ETF_M00695	1.5167e-04	GGGCMGGAGG ----NGGCGG	
NERF1a_M00531	1.7033e-04	-----CCTCCKGCC SNNASNYRCTTCTGNY-	
KROX_M00982	1.9109e-04	GGGCMGGAGG--- GNNNGGGGGGCGG	
KAISO_M01119	2.8374e-04	-GGGCMGGAGG NTNGCAGGA--	
VDR_M00966	2.8451e-04	----CCTCCKGCC----- RTGNMCTNNTGAMCCNNNT	











M64



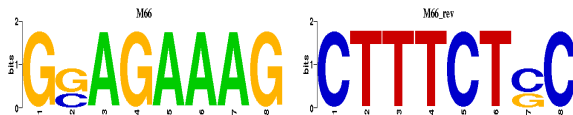
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GABP_M00341	2.1205e-14	--CACTTCCGG YGCNCTTCCGG	
Nrf-2_M00108	2.5270e-12	CACTTCCGG SNCTTCCGG	
c-Ets-1_p54_M00032	1.5998e-09	CACTTCCGG NRCWTCKG	
E74A_M00016	1.9412e-08	---CACTTCCGG--- NNNNAYTTCCGGNTTN	
Tel-2_M00678	4.3996e-08	CACTTCCGG TACTTCTG	
STAT3_M00225	1.2508e-07	---CACTTCCGG----- NNNCATTTCCSGGAAATNNN	
c-Ets-1_M00339	1.5876e-07	-----CACTTCCGG NNMNNACTTCTG	
Elk-1_M00007	2.4407e-07	---CACTTCCGG--- NNGNACTTCKGTNN	
c-Ets-1_M01078	4.9057e-07	---CACTTCCGG--- NNNNRCWTCCGGNNN	
STAT1_M00224	1.3289e-06	---CACTTCCGG----- NSNCANTTCCCGGAANNNNN	





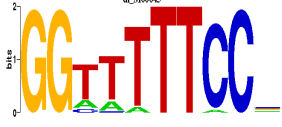



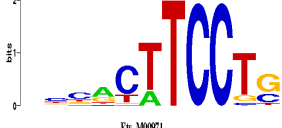

M68



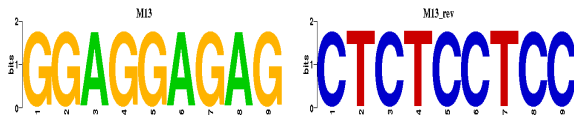
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
NERF1a_M00531	3.8874e-08	-----CTTCCYGG-- SNNASNYRCTTCTGNY	
Tel-2_M00678	5.7354e-08	CCRGGAAG-- -CAGGAAGTA	
PU.1_M00658	7.5435e-07	CTTCCYGG CTTCTC-	
Ets_M00771	8.7252e-07	CCRGGAAG---- -CAGGAAGYNNN	
STAT5B_M00459	1.4230e-06	-----CCRGGAAG-- NRNTTCCNGGAAWN	
c-Ets-2_M00340	2.2908e-06	CCRGGAAG----- RCAGGAAGTNNNT	
Ets_M00971	2.4887e-06	CCRGGAAG -NAGGAAG	
c-Ets-1_M00339	4.4979e-06	-----CTTCCYGG NNMNNNACTTCTG-	
c-Ets-1_M00743	1.5735e-05	-CTTCCYGG GCTTCC--	
STAT5A_M00457	2.6948e-05	--CTTCCYGG---- NRNTTCCNRGAANY	

M66



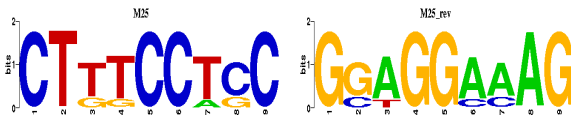
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	6.8940e-06	GSAGAAAG -GAGGAAG	
BPC1_M01126	1.4372e-05	CTTCTSC NTTTC---	
HSF1_M01023	1.1087e-04	-----CTTCTSC TTCTRGAANNITCTYM	
dl_M00120	2.4444e-04	---CTTCTSC NGNTTTCYC-	
dl_M00043	4.0847e-04	-GSAGAAAG- NGGAAAAACC	
GCR1_M00046	4.1489e-04	GSAGAAAG- -GWGGAAGC	
Rim101p_M01030	8.5146e-04	CTTCTSC -TTNCTTG	
Lentiviral_M00318	1.3150e-03	GSAGAAAG -AATAAAG	
Ets_M00771	1.4277e-03	GSAGAAAG---- -CAGGAAGYNNN	
Ets_M00971	1.4922e-03	GSAGAAAG -NAGGAAG	

M13



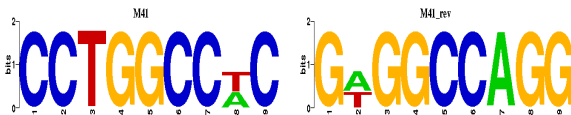
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GAL4_M00198	1.3496e-07	-----GGAGGAGAG----- NGYTCCGNNNANAGNNNNCCG	
GAL4_M00049	6.5940e-07	-----CTCTCCTCC----- NNCGGNNNACWNTNSTCCGAAS	
UF1H3BETA_M01068	1.8719e-04	--CTCTCCTCC-- GCCCTCCCCRC	
WT1_M01118	3.6148e-04	GGAGGAGAG GNNGGNGN-	
MAZ_M00649	4.9536e-04	CTCTCCTCC-- ---CCCTCCC	
ZNF219_M01122	5.7200e-04	-GGAGGAGAG- GGNGGGGGGN	
Nrf-2_M00108	5.9107e-04	CTCTCCTCC-- --SNCTTCCGG	
PU.1_M00658	6.7086e-04	CTCTCCTCC -CTTCCTC-	
VDR_M00444	2.0356e-03	CTCTCCTCC----- -TSWCCYYNYTNMCC	
Tra-1_M01048	2.5320e-03	CTCTCCTCC-- ---ACCWCCC	


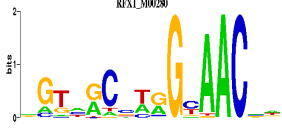
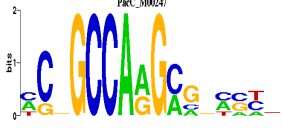
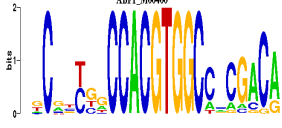



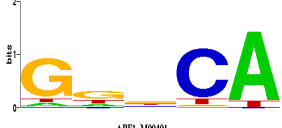
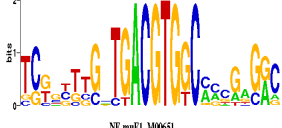

M25



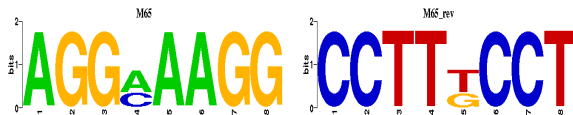
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GAL4_M00198	6.5119e-07	-----CTTTCCTCC----- CGGNNNNCTNTNNNCCGARCN	
GAL4_M00049	1.7111e-06	----GGAGGAAAG----- STTCGGASNANWGTNNNCCGNN	
PU.1_M00658	2.5991e-06	CTTTCCTCC -CTTCCTC-	
Elf-1_M00746	1.1861e-05	--GGAGGAAAG NAAGAGGAART	
CAT8_M00732	1.2268e-05	GGAGGAAAG GGNNAATG	
BPC1_M01126	4.9335e-05	CTTTCCTCC NNTTC----	
GCR1_M00046	8.0619e-05	CTTTCCTCC GCTTCCWC-	
MAF_M00648	1.1554e-04	-----CTTTCCTCC NSNMMACTTCCYYCN	
Helios_M01004	1.4612e-04	-CTTTCCTCC NNTTTCCTWN	
Ttk_M00009	6.4249e-04	GGAGGAAAG GCAGGAC--	











M41



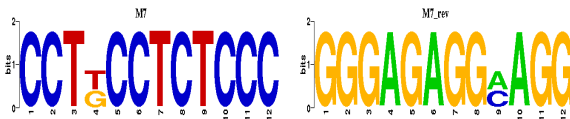
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BRK_M01096	4.6310e-05	CCTGGCCWC -NTGGCG--	
RFX1_M00280	1.1158e-04	--GWGGCCAGG----- NNGTTRCYWNGYNACN	
PacC_M00247	2.1321e-04	-----CCTGGCCWC NNNNNNKCYTGCCNGN	
ABF1_M00400	2.8537e-04	---CCTGGCCWC----- TGTCGNGGCCACGTGGNNRNNNGN	
Poly_M00211	5.9001e-04	GWGGCCAGG GAGACCAC-	
PIF3_M00434	6.7959e-04	-GWGGCCAGG----- NGNSNYCACGTGKCCYN	
bZIP911_M00358	8.8448e-04	GWGGCCAGG---- --GGCCACGTCA	
HNF4_M01033	2.1657e-03	CCTGGCCWC --TGNNC--	
ABF1_M00401	2.1881e-03	----CCTGGCCWC----- GYCNCNNKGCCACGTCANCNANNMGA	
NF-muE1_M00651	2.2140e-03	-CCTGGCCWC AGATGGCC--	










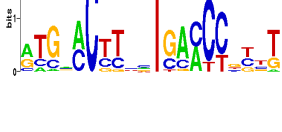
M65



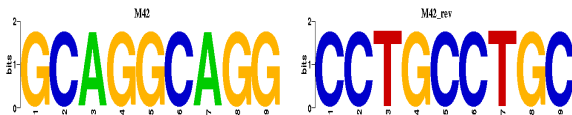
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PBF_M01130	1.5826e-05	CCTTKCCT CCTTT---	
BLIMP1_M01066	3.4722e-05	-CCTTKCCT---- YMCTTTCMCTTYC	
BPC1_M01126	7.9088e-05	CCTTKCCT -NTTTC--	
Helios_M01004	1.1072e-04	CCTTKCCT-- NTTTTCCTWN	
Nanog_M01123	2.4255e-04	AGGMAAGG---- -GGMAATGGNCC	
NF-AT_M00302	7.2010e-04	-CCTTKCCT-- NNNTTTCWNN	
Ets_M00971	7.2734e-04	-AGGMAAGG NAGGAAG--	
NF-kappaB_M00208	7.7876e-04	AGGMAAGG--- NGGAAARTCCC	
PU.1_M00658	8.8443e-04	CCTTKCCT- --CTTCCTC	
Elf-1_M00746	9.6713e-04	CCTTKCCT---- -AYTTCCTCTTN	

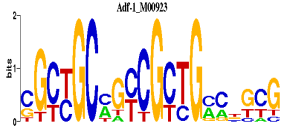






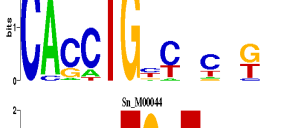


M7



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	1.0504e-07	GGGAGAGGMAGG ----GAGGAAG-	
Elf-1_M00746	1.1326e-05	CCTKCCTCTCCC AYTTCCTCTTN-	
MAZ_M00649	1.5080e-05	CCTKCCTCTCCC -----CCCTCCC	
GCR1_M00046	1.8163e-05	GGGAGAGGMAGG ----GWGGAAGC	
UF1H3BETA_M01068	4.3977e-05	CCTKCCTCTCCC---- ---GCCCTCCCCRC	
Ets_M00971	7.2650e-05	GGGAGAGGMAGG ----NAGGAAG-	
TFII-I_M00706	7.8443e-05	CCTKCCTCTCCC CCTMCNTC----	
BLIMP1_M01066	1.7239e-04	-CCTKCCTCTCCC YMCTTTCMCTTYC	
PEA3_M00655	1.8274e-04	GGGAGAGGMAGG ----MGGAWG-	
VDR_M00966	2.8783e-04	----GGGAGAGGMAGG---- ANNNGGKTCANNARGKNCA	

M42



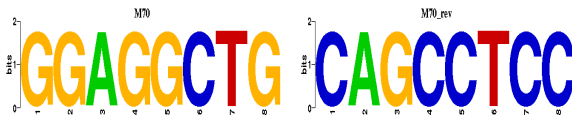
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Adf-1_M00923	2.6004e-05	-GCAGGCAGG----- CRMNKKCAGCGRCKGCRGCS	
E2A_M00973	3.1155e-05	GCAGGCAGG- ---RNCAGNT	
Tel-2_M00678	1.9075e-04	GCAGGCAGG- -CAGGAAGTA	
TFII-I_M00706	3.1709e-04	GCAGGCAGG -GANGKAGG	
NERF1a_M00531	4.0822e-04	-GCAGGCAGG----- RNCAGGAAGYRNSTNNS	
Ttk_M00009	5.2115e-04	CCTGCCTGC CCTGC----	
CAC-binding_M00720	5.9344e-04	-CCTGCCTGC CCCASCCY--	
E2A_M00804	6.6630e-04	--GCAGGCAGG-- NMNGNGNCAGGTG	
Sn_M00044	8.1273e-04	-GCAGGCAGG--- TNNNANCANNNTNN	
AP-2_M00189	1.0909e-03	-GCAGGCAGG- CGCCNGSGGGN	







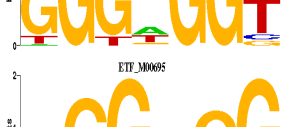


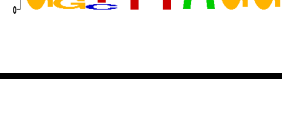
M81



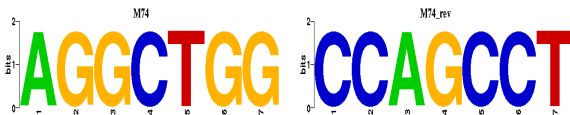
<i>Name</i>	<i>E value</i>	<i>forward</i>	<i>reverse compliment</i>	<i>Motif</i>
BRK_M01096	7.5813e-06		CTGGCTC NTGGCG-	
AP-4_M00005	3.5311e-05		-----CTGGCTC MNGNCNNCAGCTGNNNN	
v-Maf_M00035	2.0637e-04		-----GAGCCAG----- NNNTGCNNNGTCAGCANN	
Zta_M00711	3.0941e-04		-GAGCCAG----- TGWGYCANNNTN	
myogenin_M00056	4.5088e-04		--CTGGCTC----- NNYTGGCNSNGTGCCAAANNNNACAGST	
ARF_M00438	4.8424e-04		GAGCCAG GAGACAA	
SMAD4_M00733	7.7350e-04		--CTGGCTC----- RGNTGKCTGNMYSN	
alpha-CP1_M00687	8.0445e-04		----CTGGCTC CTCATTGGCT-	
Grainyhead-Elf-1-NTF-1_M00951	8.2697e-04		CTGGCTC CYGGTTT	
CP2_M00072	9.7731e-04		---GAGCCAG CNCNAMCCAG	

M70



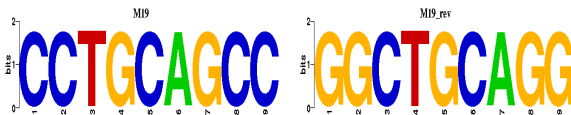
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
SMAD4_M00733	4.8026e-05	-----CAGCCTCC-- NSRKNCAGMCANCY	
ERF2_M01057	2.1881e-04	GGAGGCTG GGCGGC--	
MAZ_M00649	2.1983e-04	CAGCCTCC-- --CCCTCCC	
CAC-binding_M00720	5.0895e-04	--CAGCCTCC CCCASCCY--	
Dde_M00304	9.3263e-04	GGAGGCTG--- ---GGCTGAGC	
repressor_M00014	1.0303e-03	-----GGAGGCTG-- NNYNTNGGCGGCTANN	
Tra-1_M01048	1.2740e-03	CAGCCTCC-- --ACCWCC	
ETF_M00695	1.6054e-03	-GGAGGCTG NGGCGG---	
KROX_M00982	2.0308e-03	CAGCCTCC----- CCGCCCCNCNNC	
TFII-I_M00706	2.1533e-03	---GGAGGCTG GANGKAGG---	

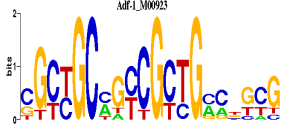





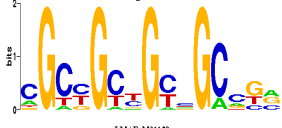



M74



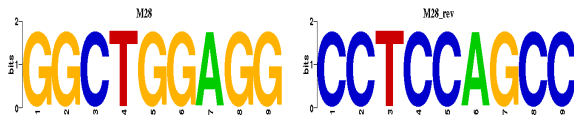
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CAC-binding_M00720	1.0873e-07	-CCAGCCT CCCAASCCY	
Zec_M01081	7.6585e-05	----CCAGCCT- GCAACCAACCTT	
HEB_M00698	2.0498e-04	AGGCTGG CAGCWGG	
Dde_M00304	2.6766e-04	AGGCTGG-- -GGCTGAGC	
HAC1_M00730	3.0474e-04	-CCAGCCT--- GMCAGCGTGTC	
Barbie_M00238	4.2173e-04	---CCAGCCT---- CMNNCNSCTTTNNN	
LBP-1_M00644	6.6274e-04	CCAGCCT SCAGCN-	
AP-4_M00176	7.9035e-04	-CCAGCCT- NNCAGCTGN	
Zic1_M00448	1.2383e-03	--CCAGCCT GACNACCC-	
Zic2_M00449	1.4578e-03	--CCAGCCT NACCACCC-	

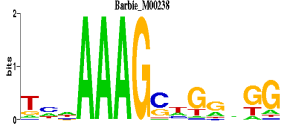








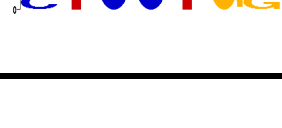
M19



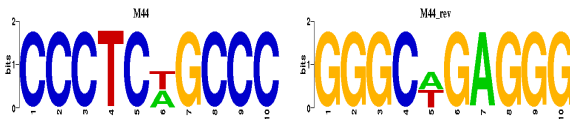
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Adf-1_M00923	2.6531e-05	-----GGCTGCAGG- CRMNKKCAGCGRCKGCRGCS	
LBP-1_M00644	2.0250e-04	CCTGCAGCC ---SCAGCN	
HEB_M00698	3.8176e-04	GGCTGCAGG --CAGCWGG	
RCS1_M00753	4.6845e-04	----GGCTGCAGG AANTGGGTGCAK-	
ERF2_M01057	5.1083e-04	GGCTGCAGG GGCGGC---	
Ttk_M00009	5.2115e-04	--CCTGCAGCC GTCCTGC----	
Adf-1_M00171	6.7954e-04	--GGCTGCAGG---- NMNGCNRCRGCRGCG	
LMAF_M01139	8.7510e-04	CCTGCAGCC -CTGCTGAS	
SMAD4_M00733	1.5251e-03	----GGCTGCAGG- RGNTGKCTGNMYSN	
TAL1_M00993	1.7258e-03	GGCTGCAGG RNCAGNTGG	











M28



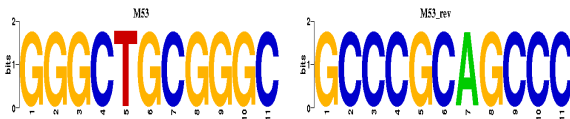
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Barbie_M00238	3.9550e-07	CCTCCAGCC----- CMNNCNSCTTTNNN	
CAC-binding_M00720	3.1878e-04	CCTCCAGCC- --CCCASCCY	
BRK_M01096	3.9634e-04	GGCTGGAGG --NTGGCG-	
MAZ_M00649	4.9536e-04	-CCTCCAGCC CCCTCCC---	
TFII-I_M00706	6.4128e-04	CCTCCAGCC CCTMCNTC-	
HEB_M00698	1.2297e-03	-GGCTGGAGG CAGCWGG---	
Dde_M00304	2.2027e-03	GGCTGGAGG GGCTGAGC-	
LBP-1_M00644	2.4682e-03	CCTCCAGCC ---SCAGCN	
Tra-1_M01048	2.5320e-03	-CCTCCAGCC ACCWCCC---	
Ttk_M00009	2.7793e-03	GGCTGGAGG -GCAGGAC-	

M44



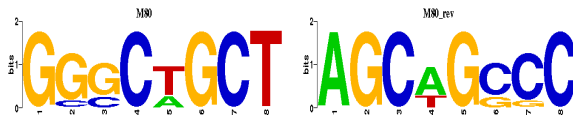
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Dde_M00304	1.2873e-07	GGGCWGAGGG -GGCTGAGC-	
TAL1_M00993	3.5137e-05	GGGCWGAGGG -RNCAGNTGG	
CDC5_M00361	7.9441e-05	-GGGCWGAGGG NSCGCTGAGS-	
HNF4alpha1_M00411	8.7667e-05	-GGGCWGAGGG--- RGGNCAAAGGTCAN	
PPAR_M00528	9.5392e-05	--CCCTCWGCCC---- TGACCTTTGNCCNNNN	
HNF4_M01031	1.4350e-04	---CCCTCWGCCC NIGRMCTTTGNNC	
COUPTF_M01036	1.8704e-04	-----CCCTCWGCCC----- NNNNTGACCTTTNNMCNYYNNMN	
UF1H3BETA_M01068	5.8313e-04	CCCTCWGCCC--- GCCCTCCCCRC	
PPAR_M00763	6.4228e-04	-GGGCWGAGGG- NGGNCAAAGGTC	
MAZ_M00649	8.3615e-04	GGGCWGAGGG ---GGGAGGG	











M53



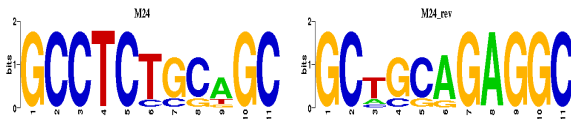
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZBRK1_M01105	1.0906e-07	---GGGCTGCGGGC AAANNCTGCKSCC	
AP-2_M00189	9.7187e-07	GGGCTGCGGGC CGCCNGSGGGN	
KROX_M00982	4.4817e-05	GGGCTGCGGGC-- GNNGNGGGGGCGG	
GCM_M00634	1.0866e-04	GGGCTGCGGGC-- --NATGCGGGYNN	
AP-4_M00005	2.0250e-04	----GGGCTGCGGGC-- NNNNCAGCTGNNGNCNK	
Dde_M00304	3.2644e-04	GGGCTGCGGGC -GGCTGAGC--	
HEN1_M00058	4.5394e-04	-----GGGCTGCGGGC-- NNNGNCGCAGCTGCGNCCNN	
LBP-1_M00644	5.1225e-04	GCCCGCAGCCC ----SCAGCN-	
ZNF219_M01122	5.5631e-04	GGGCTGCGGGC GGGNGGGGGGN	
myogenin_M00056	5.6189e-04	-----GCCCGCAGCCC-- ASCTGTNNNNTTTGGCACNSNGCCARNN	

M80



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LBP-1_M00644	2.8001e-05	GGGCTGCT --SCAGCN	
ZBRK1_M01105	5.4467e-05	---GGGCTGCT--- AAANNCTGCKSCC	
YY1_M00069	6.1181e-04	AGCAGCCC----- WNSANNCAAGATGGCNGNN	
TAL1_M00993	6.3414e-04	AGCAGCCC- RNCAGNTGG	
HEB_M00698	8.0037e-04	-AGCAGCCC CAGCWGG--	
ERF2_M01057	1.0295e-03	GGGCTGCT -GGCGGC-	
LMAF_M01139	1.1115e-03	---AGCAGCCC STCAGCAG---	
myogenin_M00712	1.4316e-03	GGGCTGCT CASCTGN-	
Dde_M00304	1.7041e-03	-AGCAGCCC GCTCAGCC-	
SREBP-1_M00221	1.8891e-03	--GGGCTGCT GTGGGGTGAT	




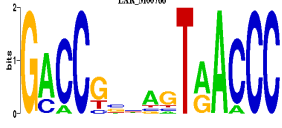





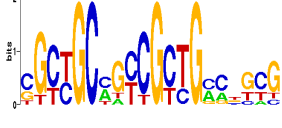
M24



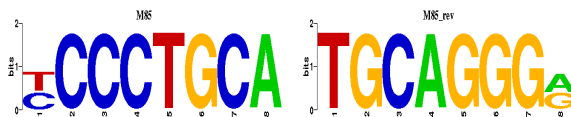
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Adf-1_M00171	6.1721e-05	---GCTGCAGAGGC- NMNGCNRCRGRGCG	
HSF_M00641	2.1646e-04	---GCCTCTGCAGC GAARCYNCKNGA--	
LMAF_M01139	3.2201e-04	GCTGCAGAGGC -CTGCTGAS--	
LBP-1_M00644	4.1266e-04	GCCTCTGCAGC- -----SCAGCN	
Adf-1_M00923	6.6707e-04	-----GCCTCTGCAGC- CRMNKKCAGCGRCKGCRGCS	
Nrf-2_M00821	7.0603e-04	GCTGCAGAGGC--- --TGCTGAGTCANN	
Bel-1_M00312	9.5810e-04	-----GCCTCTGCAGC- KNGRNAGTNMNCKCWGYRTCAGCAGNT	
Eve_M00629	1.5667e-03	GCTGCAGAGGC- ---GCNGNSSWN	
HEN1_M00058	2.4451e-03	-----GCTGCAGAGGC--- NNNGGNCGCAGCTGCGNCCNN	
Egr-1_M00243	4.4509e-03	GCTGCAGAGGC-- --TGCGTGGGCGK	


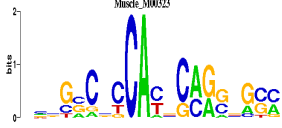




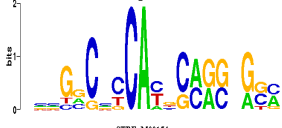



M72



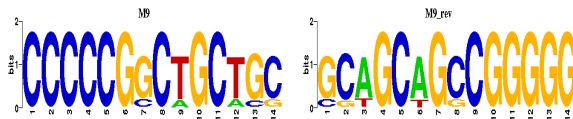
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HEB_M00698	5.1589e-05	CTGCAGG CAGCWGG	
Ttk_M00009	7.4398e-05	--CCTGCAG GTCCTGC--	
KAISO_M01119	3.8176e-04	-CTGCAGG- NTNGCAGGA	
LXR_M00766	4.7468e-04	-----CTGCAGG-- GGTACTNNCGGTC	
E2A_M00973	8.9452e-04	CTGCAGG- -RNCAGNT	
LMAF_M01139	1.2096e-03	--CTGCAGG STCAGCAG-	
myogenin_M00712	1.2864e-03	--CCTGCAG CASCTGN--	
E47_M00002	1.5322e-03	CTGCAGG----- SNGCAGGTGTNNNN	
E12_M00693	2.2035e-03	-----CCTGCAG NNNCACCTGY--	
Adf-1_M00923	3.4114e-03	-----CCTGCAG-- CRMNKKCAGCGRCKGCRGCS	

M85



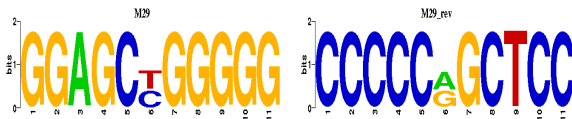
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Ttk_M00009	2.3215e-04	YCCCTGCA GTCCTGC-	
Muscle_M00323	2.4686e-04	--YCCCTGCA----- KSCNSCTGNRTGGNGNCNNN	
STRE_M00308	3.6074e-04	-YCCCTGCA NCCCCT---	
MAZ_M00649	8.5247e-04	YCCCTGCA -CCCTCCC	
myogenin_M00712	1.1206e-03	TGCAGGGR -NCAGSTG	
KAISO_M01119	1.5039e-03	--TGCAGGGR NTNGCAGGA-	
Muscle_M00324	1.7330e-03	--YCCCTGCA----- KSCNSYKGNRTGRNGNCNNN	
STRE_M00154	1.9885e-03	-YCCCTGCA NCCCCTN--	
Sp1_M00008	2.2230e-03	YCCCTGCA- WCCCYGCCY	
E2A_M00973	2.2269e-03	TGCAGGGR RNCAGNT-	

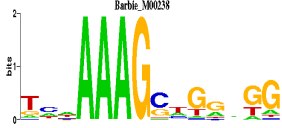



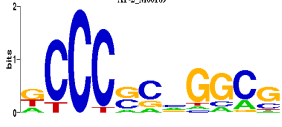





M9



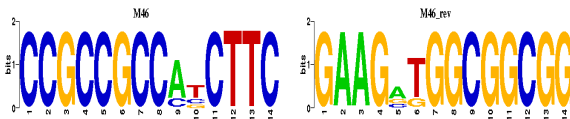
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
TAL1_M00993	5.2023e-06	GCAGCAGCCGGGGG --RNCAGNTGG---	
Barbie_M00238	7.7677e-05	CCCCCGGCTGCTGC CMNNCNSCTTTNNN	
AP-2_M00189	9.6002e-05	--CCCCCGGCTGCTGC NCCCSCNGGCG-----	
E12_M00693	9.8540e-05	GCAGCAGCCGGGGG RCAGGTGNNN----	
LMAF_M01139	1.4213e-04	-GCAGCAGCCGGGGG STCAGCAG-----	
HEB_M00698	2.1546e-04	GCAGCAGCCGGGGG -CAGCWGG-----	
AP-4_M00927	5.7960e-04	GCAGCAGCCGGGGG RCAGCTGN-----	
myogenin_M00712	5.8299e-04	GCAGCAGCCGGGGG -CASCTGN-----	
HEN1_M00068	6.1202e-04	----GCAGCAGCCGGGGG--- NNNGNCNCAGCTGNGNCCNN	
DEAF1_M01001	7.0315e-04	-----GCAGCAGCCGGGGG-- NNNNNNCGGAAAYNCCCGARNNG	

M29



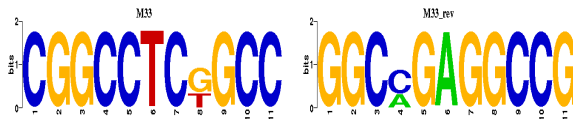
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Barbie_M00238	7.4073e-06	CCCCRGCTCC--- CMNNCNSCTTTNNN	
Alfin1_M00479	3.7937e-05	--CCCCRGCTCC- MNNCCCCACNYNYN	
LUN-1_M00480	5.3718e-05	CCCCRGCTCC----- --CCCAGCTACTTTGGGA	
KROX_M00982	6.0205e-05	GGAGCYGGGGG-- GNNGNGGGGGCGG	
AP-2_M00189	1.1087e-04	--CCCCRGCTCC NCCCSCNGGCG--	
MOVO-B_M01104	3.2235e-04	CCCCRGCTCC CCCCCN-----	
LBP-1_M00644	3.2371e-04	CCCCRGCTCC ---SCAGCN--	
AP-2alpha_M00469	3.3078e-04	GGAGCYGGGGG ---SCNNNNGG	
HEB_M00698	3.4780e-04	GGAGCYGGGGG -CAGCWGG---	
Churchill_M00986	3.6828e-04	CCCCRGCTCC NNCC-----	

M46



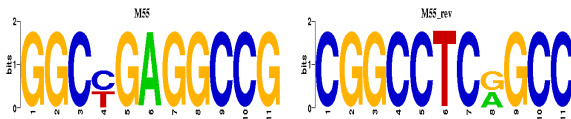
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ERF2_M01057	1.9498e-07	GAAGNTGGCGGCGG -----GGCGGC--	
NF-muE1_M00651	2.0482e-07	GAAGNTGGCGGCGG --AGATGGCC----	
YY1_M00793	1.5919e-06	GAAGNTGGCGGCGG NAANATGG-----	
YY1_M00069	1.2966e-05	-----GAAGNTGGCGGCGG WNSANNCAAGATGGCNGNN-	
ETF_M00695	3.4320e-05	CCGCCGCCANCTTC CCGCCN-----	
E2F-1_M00430	5.9644e-05	CCGCCGCCANCTTC ---CCGCSAA----	
TAL1_M00993	7.6217e-05	-GAAGNTGGCGGCGG RNCAGNTGG-----	
Egr_M00807	1.1222e-04	-CCGCCGCCANCTTC NYYGCSCCA-----	
ZID_M00085	1.2741e-04	GAAGNTGGCGGCGG GRTGATRGAGCC--	
KROX_M00982	1.4941e-04	GAAGNTGGCGGCGG -GNNNGGGGGCGG	





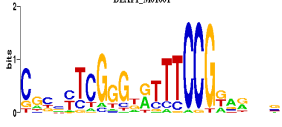




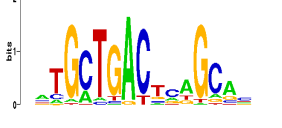
M33



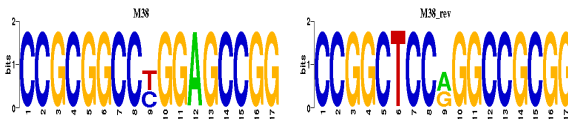
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	3.9220e-04	--GGCCGAGGCCG GNNNGGGGGGCGG	
DEAF1_M01001	3.9809e-04	-----GGCCGAGGCCG NNNNNNCGGAAAYNCCC GARNNNG	
E12_M00693	6.1677e-04	CGGCCTCGGCC NNNCACCTGY-	
bZIP911_M00358	7.0982e-04	CGGCCTCGGCC- -GGCCACGTCAY	
HNF4_M01031	1.0380e-03	-CGGCCTCGGCC- NTGRMCTTTGNNC	
Dde_M00304	1.1131e-03	GGCCGAGGCCG GGCTGAGC---	
HNF4alpha1_M00411	1.2712e-03	--GGCCGAGGCCG- RGGNCAAAGGTCAN	
COUPTF_M01036	1.7827e-03	GGCCGAGGCCG----- NKNNRNGKNNAAAGGTCANNNN	
ZAP1_M00735	2.3141e-03	CGGCCTCGGCC- ---RCTCGGTCA	
UAY_M00391	3.1273e-03	--CGGCCTCGGCC-- RTC GGMNNNNKSCGN	

M55



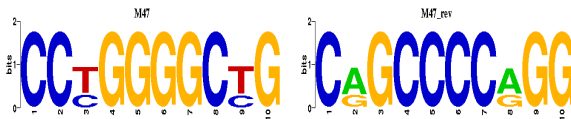
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Dde_M00304	1.1423e-05	GGCYGAGGCCG GGCTGAGC---	
Adf-1_M00171	1.9441e-04	-CGGCCTCRGCC--- NMNGCNRCRGCRGCG	
AP-2alphaA_M01047	2.3059e-04	---GGCYGAGGCCG ANMGCCTNAGGCKN	
KROX_M00982	2.5891e-04	-GGCYGAGGCCG- GNNNGGGGGCGG	
DEAF1_M01001	4.1641e-04	-----GGCYGAGGCCG NNNNNNCGGAAAYNCCCGARNNG	
NF-E2_M00037	4.3306e-04	GGCYGAGGCCG -GCTGAGTCAY	
ZBRK1_M01105	7.4708e-04	----GGCYGAGGCCG AAANNCTGCKSCC-	
MAF_M00983	8.5628e-04	CGGCCTCRGCC NTGACTCANC-	
bZIP911_M00358	1.1433e-03	CGGCCTCRGCC- -GGCCACGTCAY	
v-Maf_M00035	1.2636e-03	---GGCYGAGGCCG--- NNNTGCNNNGTCAGCANN	






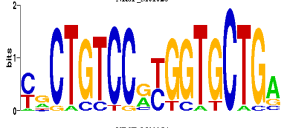
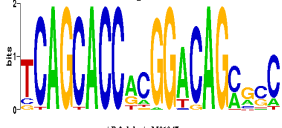
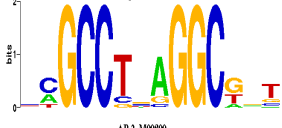
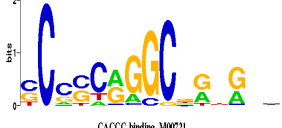

M38



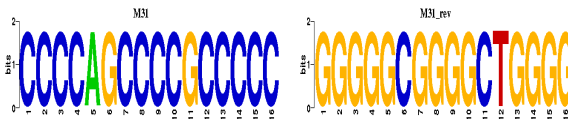
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PDR3_M00752	2.7603e-05	-CCGCGGCCYGGAGCCGG TCCGCGG-----	
AP-2_M00189	3.8743e-04	CCGCGGCCYGGAGCCGG -----NCCCSNNGGCG-	
ERF2_M01057	5.9203e-04	CCGCGGCCYGGAGCCGG -GGCGGC-----	
Muscle_M00324	7.6608e-04	--CCGCGGCCYGGAGCCGG- KSCNSYKGNRTGRNGNCNNN	
Muscle_M00323	9.4659e-04	-CCGGCTCCRGCCGCGG-- NNGNCNCCAYNCAGSNGSM	
KROX_M00982	1.2869e-03	CCGCGGCCYGGAGCCGG ----GNNGNGGGGGCGG	
PacC_M00247	1.3824e-03	CCGCGGCCYGGAGCCGG- --NCNGCCARGMNNNNNN	
E2F-1_M00938	2.0707e-03	CCGCGGCCYGGAGCCGG- ---KSGCGCGRNANNGM	
AP-2alpha_M00469	2.1264e-03	CCGGCTCCRGCCGCGG ---SCNNNNGG-----	
Pax-6_M00979	2.4248e-03	CCGCGGCCYGGAGCCGG ---TGACCTGGAActM-	

M47



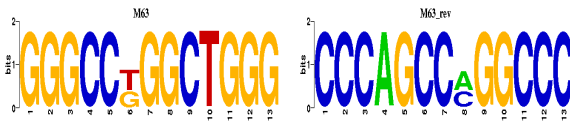
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Alfin1_M00479	2.4015e-06	----CCTGGGGCTG NRNRNGTGGGNNK	
GBF_M00633	3.2002e-06	CCTGGGGCTG --TNGGGGTN	
AP-2alpha_M00469	8.4419e-06	CAGCCCCAGG --SCNNNGG	
AP-2gamma_M00470	1.0778e-05	CAGCCCCAGG --SCNNNGG	
AP-2_M00915	3.3297e-05	--CCTGGGGCTG NGCCNGNGGNNN	
NRSF_M01028	3.5299e-05	-CAGCCCCAGG----- TCAGCACCRYGGACAGNR	
NRSF_M00256	5.0238e-05	-----CCTGGGGCTG- GSYGCTGTCCGTGGTGCTGA	
AP-2alphaA_M01047	6.4802e-05	-CAGCCCCAGG--- ANMGCCTNAGGCKN	
AP-2_M00800	8.3333e-05	-----CCTGGGGCTG NNYNYNGCCYGSSGS--	
CACCC-binding_M00721	3.2218e-04	-----CCTGGGGCTG CCNCACCCWNNKGNT-	

M31



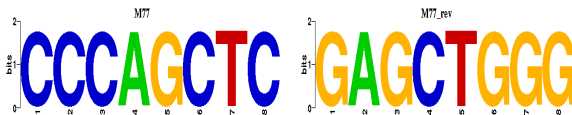
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	1.6711e-11	GGGGGCGGGGCTGGGG -GNNNGGGGGGCGG--	
GC_M00255	1.3652e-09	GGGGGCGGGGCTGGGG NNGGGCGGGGCNN---	
Alfin1_M00479	2.5527e-09	CCCCAGCCCCGCCCC-- ---MNNCCCCACNYNYN	
ZNF219_M01122	2.6970e-09	GGGGGCGGGGCTGGGG GGGNNGGGGGN-----	
UF1H3BETA_M01068	4.4193e-09	CCCCAGCCCCGCCCC-- -----GCCCTCCCCRC	
Sp1_M00931	6.0720e-09	CCCCAGCCCCGCCCC -----NCCCCGCC--	
Sp1_M00933	1.0424e-08	CCCCAGCCCCGCCCC -----CCCKCCCN	
Sp1_M00196	1.3927e-08	CCCCAGCCCCGCCCC ----NNCCCCGCCCCN	
ABI4_M00958	1.6253e-06	GGGGGCGGGGCTGGGG --GGGCGGTGCN----	
MAZR_M00491	1.8833e-06	GGGGGCGGGGCTGGGG -SGGGGGGGMNN---	

M63



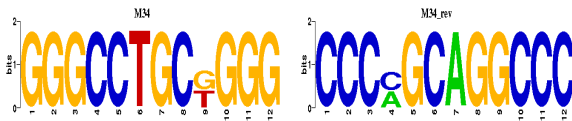
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	8.6686e-06	-GGGCKGGCTGGG GNNGNNGGGGGCGG-	
CAC-binding_M00720	1.6587e-05	CCCAGCCMGGCC CCCASCCY-----	
RREB-1_M00257	7.3176e-05	GGGCKGGCTGGG GGGGTGGTTTGGG	
Sp1_M00931	1.9345e-04	CCCAGCCMGGCC ----NCCCCGCC	
HEN1_M00068	1.9823e-04	--GGGCKGGCTGGG----- NNGGNCNCAGCTGNGNCCNNN	
Sp1_M00933	3.6914e-04	CCCAGCCMGGCC- -----CCCKCCCN	
CP2-LBP-1c-LSF_M00947	4.2481e-04	CCCAGCCMGGCC-- -CNRGNNNNANCCAG	
GC_M00255	5.0070e-04	CCCAGCCMGGCC-- --NNGCCCCGCCNN	
Dde_M00304	7.2579e-04	GGGCKGGCTGGG- -----GGCTGAGC	
Pax-9_M00329	7.4072e-04	---CCCAGCCMGGCC----- WNANSCANNNGNNGNNGNSNCN	

M77

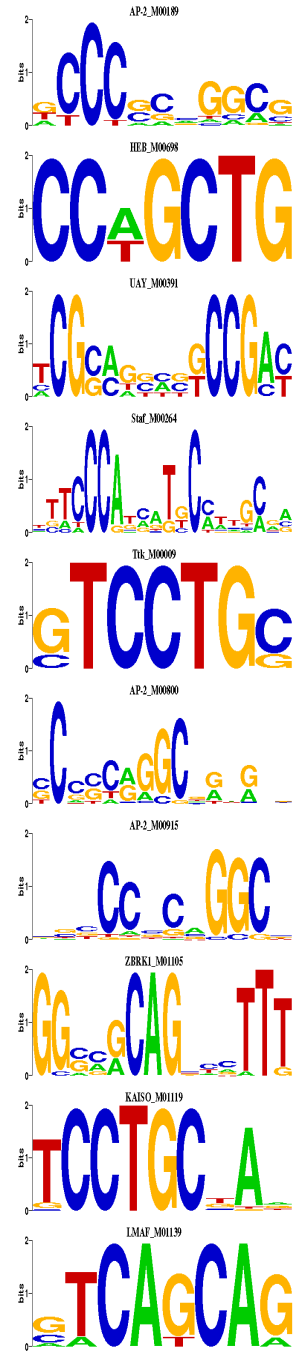


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LUN-1_M00480	2.5222e-07	-----GAGCTGGG TCCCAAAGTAGCTGGG	
HEB_M00698	8.4611e-07	GAGCTGGG CAGCWGG-	
LBP-1_M00644	3.1650e-06	CCCAGCTC -SCAGCN-	
AP-4_M00176	1.1896e-05	-GAGCTGGG NCAGCTGNN	
Alfin1_M00479	4.3469e-05	----CCCAGCTC-- MNNCCCCACNYNYN	
ROM_M00700	5.9394e-05	-GAGCTGGG TGASGTGG-	
TAL1_M00993	9.6583e-05	--GAGCTGGG RNCAGNTGG-	
Pax-6_M00979	1.0173e-04	----CCCAGCTC- KAGTTCAGGTCA	
HEN1_M00068	1.1446e-04	-----GAGCTGGG----- NNGGNCNCAGCTGNGNCCNN	
CP2-LBP-1c-LSF_M00947	1.4416e-04	CCCAGCTC----- -CNRGNNNANCCAG	

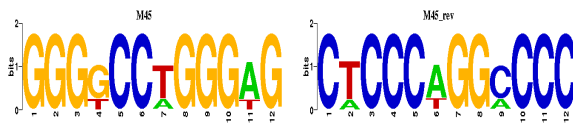
M34



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
AP-2_M00189	1.8296e-06	CCCMGCAGGCC NCCCSCNGGCG-
HEB_M00698	1.5155e-05	CCCMGCAGGCC --CAGCWGG---
UAY_M00391	2.2030e-05	--GGCCTGCKGGG- RTCGGMNNNNKSCGN
Staf_M00264	6.3460e-05	---CCCMGCAGGCC----- NNTCCANNNTNCMNNGCNN
Ttk_M00009	7.6558e-05	CCCMGCAGGCC ----GCAGGAC-
AP-2_M00800	1.1686e-04	----GGCCTGCKGGG NNYNYNGCCYGSSGS-
AP-2_M00915	1.5481e-04	GGCCTGCKGGG- -NGCCNGNGGNNN
ZBRK1_M01105	2.2019e-04	--GGCCTGCKGGG AAANNCTGCKSCC
KAISO_M01119	5.5515e-04	GGCCTGCKGGG --TCCTGCNAN-
LMAF_M01139	8.7457e-04	GGCCTGCKGGG ----CTGCTGAS

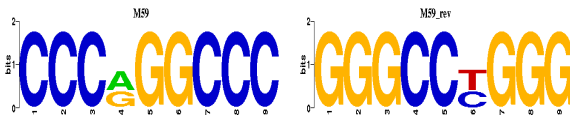


M45



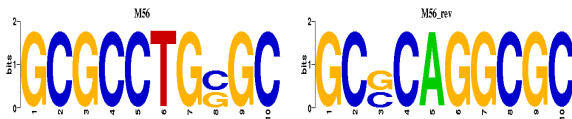
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	4.0363e-07	GGGGCCTGGGAG- GNNNGGGGGCGG	
Lyf-1_M00141	1.4266e-04	-CTCCCAGGCCCC YCTCCCAA-----	
RBP-Jkappa_M01111	5.3147e-04	GGGGCCTGGGAG ----NGTGGGA-	
AP-2_M00915	7.0319e-04	GGGGCCTGGGAG-- --NGCCNGNGGNNN	
LRH1_M01142	7.6926e-04	CTCCCAGGCCCC NTNCAAGGYYN-	
EBF_M00977	1.0865e-03	CTCCCAGGCCCC -NCYCWRGGGA-	
CAC-binding_M00720	1.2408e-03	GGGGCCTGGGAG --RGGSTGGG--	
NGFI-C_M00244	1.4958e-03	-CTCCCAGGCCCC CCRCCCACGCA--	
Egr-1_M00243	1.8547e-03	-CTCCCAGGCCCC MCGCCCACGCA--	
Egr-3_M00245	2.0761e-03	GGGGCCTGGGAG- --TGCGTGGGCGT	

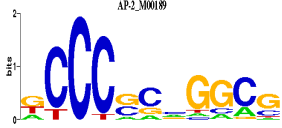
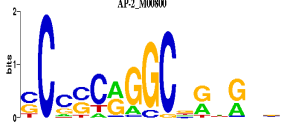
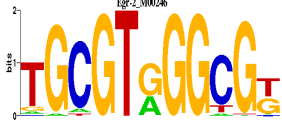






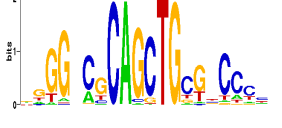
M59



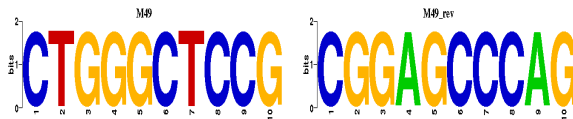
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AP-2_M00915	1.5107e-05	GGGCCYGGG---- -NGCCNGNGGNNN	
AP-2_M00800	5.9895e-05	----GGGCCYGGG-- NNYNYNGCCYGSSGS	
KROX_M00982	1.2290e-04	-GGGCCYGGG--- GNNNGGGGGGCGG	
AP-2alpha_M00469	1.6124e-04	GGGCCYGGG- --SCNNNNGG	
Sp1_M00196	2.2188e-04	--CCCRGGCCC- NNCCCCGCCCCN	
p53_M00034	2.5657e-04	-----CCCRGGCCC--- RGACATGCCCGGGCATGTC	
PCF2_M00948	6.0976e-04	CCCRGGCCC- -GTGGNCCN	
AP-2gamma_M00470	6.1887e-04	--CCCRGGCCC SCNNNNGG---	
AP-2_M00189	1.9166e-03	GGGCCYGGG--- -CGCCNGSGGGN	
MTF-1_M00650	1.9769e-03	-----CCCRGGCCC NTGCACNCGGCCC-	




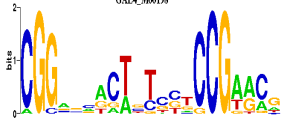

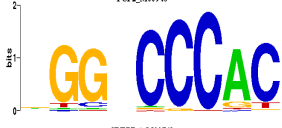

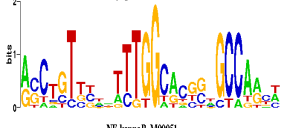


M56



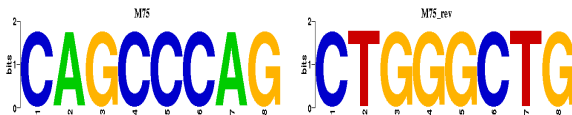
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AP-2_M00189	1.3646e-06	GCGCCTGSGC-- -CGCCNGSGGGN	
AP-2_M00800	6.7626e-06	-GCSCAGGCGC---- SCSSCRGGCNRNRNN	
Egr-2_M00246	1.8516e-05	GCGCCTGSGC- MCGCCCACGCA	
Nrf-1_M00652	2.4094e-05	-GCGCCTGSGC YGCGCAYGC--	
AP-2_M00915	2.6912e-05	GCGCCTGSGC--- -NGCCNGNGGNNN	
Egr-3_M00245	3.5767e-05	GCGCCTGSGC- ACGCCACGCA	
Egr-1_M00243	6.2930e-05	-GCSCAGGCGC TGCGTGGGCGK	
HEN1_M00068	1.2498e-04	-----GCGCCTGSGC----- NNNGGNCNCAGCTGNGNCCNN	
NGFI-C_M00244	2.6298e-04	-GCSCAGGCGC TGCGTGGGYGG	
HEN1_M00058	4.4613e-04	-----GCGCCTGSGC----- NNNGGNCGCAGCTGCGNCCNN	









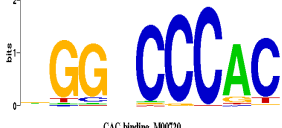

M49



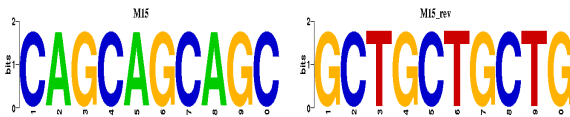
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LAC9_M00207	8.2228e-05	-CGGAGCCCAG----- NCGGANNRMAGWNWTCCGMKA	
YY1_M00069	1.3794e-04	CGGAGCCCAG----- WNSANNCAAGATGGCNGNN	
Poly_M00211	1.9570e-04	CGGAGCCCAG --GAGACCAC	
GAL4_M00198	2.8199e-04	----CGGAGCCCAG----- NGYTTCGGNNNANAGNNNNCCG	
GAL4_M00049	3.6841e-04	---CGGAGCCCAG----- STTCGGASNANWGTNNNCCGNN	
PCF2_M00948	6.2995e-04	CGGAGCCCAG -NGGNCCCAC	
SREBP-1_M00749	2.0297e-03	CTGGGCTCCG -TGGSGT---	
myogenin_M00056	3.4533e-03	-CTGGGCTCCG----- NNYTGGCNSNGTGCCAAANNNNACAGST	
NF-kappaB_M00051	3.4736e-03	CTGGGCTCCG -GGGRATCCC	
AR_M00962	4.1565e-03	CTGGGCTCCG NNNTGCTC--	



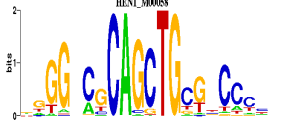

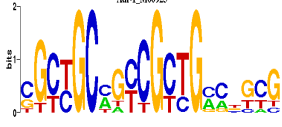


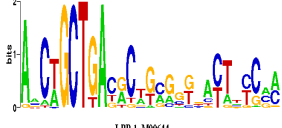


M75



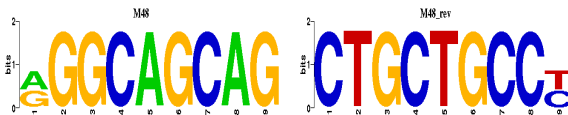
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
YY1_M00069	5.0668e-05	--CAGCCCAG----- WNSANNCAAGATGGCNGNN	
SREBP-1_M00221	9.3337e-05	CTGGGCTG-- GTGGGGTGAT	
SREBP_M00776	1.9757e-04	CTGGGCTG---- -TRGGGTGANN	
CP2_M00072	3.4493e-04	CTGGGCTG-- CTGGKTNGNG	
CP2-LBP-1c-LSF_M00947	5.6016e-04	-----CAGCCCAG CNRGNNNNANCCAG	
SREBP-1_M00749	7.2101e-04	CTGGGCTG -TGGSGT-	
NGFI-C_M00244	8.6654e-04	---CTGGGCTG TGCGTGGGYGG	
Dde_M00304	9.3263e-04	CTGGGCTG--- ---GGCTGAGC	
PCF2_M00948	2.1823e-03	CTGGGCTG- GTGGGNCCN	
CAC-binding_M00720	2.5280e-03	--CAGCCCAG CCCASCCY--	








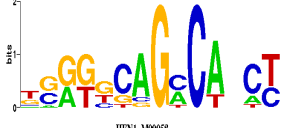
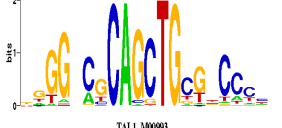

M15



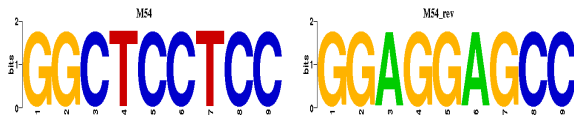
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Adf-1_M00171	1.8763e-06	-GCTGCTGCTG---- CGCYGCGYNGCNKN	
LMAF_M01139	1.4743e-05	GCTGCTGCTG -CTGCTGAS-	
HEN1_M00058	4.9239e-05	-----GCTGCTGCTG----- NNNGGNCGCAGCTGCGNCCNN	
TAL1_M00993	8.0742e-05	CAGCAGCAGC -RNCAGNTGG	
Adf-1_M00923	8.2031e-05	-----CAGCAGCAGC----- CRMNKKCAGCGRCKGCRGCS	
HEB_M00698	1.0226e-04	GCTGCTGCTG CCWGCTG---	
AP-4_M00927	1.3397e-04	CAGCAGCAGC --RCAGCTGN	
Bel-1_M00312	1.7669e-04	-----CAGCAGCAGC----- KNGRNAGTNMNCKCWGYRTCAGCAGNT	
LBP-1_M00644	3.3233e-04	CAGCAGCAGC --SCAGCN--	
myogenin_M00712	3.5936e-04	CAGCAGCAGC --NCAGSTG-	

M48



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LMAF_M01139	1.9662e-07	CTGCTGCCY CTGCTGAS-	
Adf-1_M00171	1.4124e-05	--CTGCTGCCY---- CGCYGCGYNGCNKN	
ZBRK1_M01105	1.8325e-05	-----CTGCTGCCY AAANNCTGCKSCC-	
HEB_M00698	5.4017e-05	-CTGCTGCCY CCWGCTG---	
AP-4_M00927	6.0222e-05	RGGCAGCAG- --RCAGCTGN	
myogenin_M00712	2.0052e-04	RGGCAGCAG --NCAGSTG	
LBP-1_M00644	2.0250e-04	RGGCAGCAG --SCAGCN-	
SMAD4_M00733	2.4672e-04	--RGGCAGCAG--- NSRKNCAGMCANCY	
HEN1_M00058	2.6802e-04	-RGGCAGCAG----- NNGGNCGCAGCTGCGNCCNNN	
TAL1_M00993	3.4491e-04	RGGCAGCAG- -RNCAGNTGG	

M54



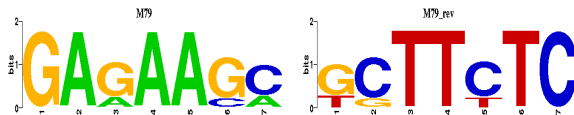
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	3.8794e-05	GGCTCCTCC----- -GCCCCTCCCCRC	
E12_M00693	2.8026e-04	-GGCTCCTCC NNNCACCTGY	
WT1_M01118	3.6148e-04	GGAGGAGCC GNNGGNGN-	
Dde_M00304	4.8493e-04	GGAGGAGCC GGCTGAGC-	
MAZ_M00649	4.9536e-04	GGCTCCTCC- ---CCCTCCC	
Nrf-2_M00108	5.9107e-04	GGCTCCTCC-- --SNCTTCCGG	
PU.1_M00658	6.7086e-04	GGCTCCTCC -CTTCTC-	
ZID_M00085	7.3411e-04	GGCTCCTCC--- GGCTCYATCAYC	
GC_M00255	9.9519e-04	---GGAGGAGCC- NNGGGCGGGGCNN	
Tra-1_M01048	2.5320e-03	GGCTCCTCC- ---ACCWCCC	

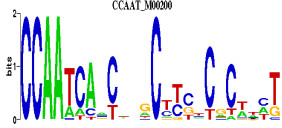









M83



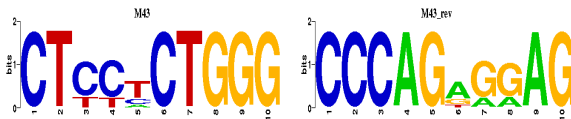
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Ttk_M00009	5.1589e-05	GTCCTG- -GTCCTGC	
Sn_M00060	1.0721e-04	--GTCCTG--- NKRCACCTGTYN	
AREB6_M00414	1.1220e-04	---CAGGAGC- NNMCAGGTGYN	
E12_M00693	1.2263e-04	--GTCCTG- NNNCACCTGY	
Lmo2_M00277	2.0880e-04	--GTCCTG-- NNNCACCTGNN	
KAISO_M01119	3.9100e-04	----CAGGAGC NTNGCAGGA--	
Tel-2_M00678	4.5356e-04	CAGGAGC-- CAGGAAGTA	
TFIIA_M00707	9.8079e-04	GTCCTG---- SNYCCTYNNAK	
LMAF_M01139	1.2096e-03	GTCCTG-- -CTGCTGAS	
Ets_M00771	1.8131e-03	CAGGAGC---- CAGGAAGYNNN	

M79



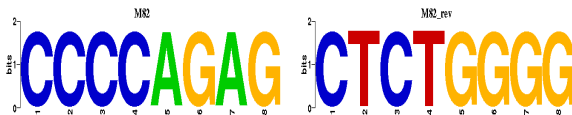
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CCAAT_M00200	7.1129e-06	-----GAGAAGC----- ANNWGNNGNRRRGNNGNTGATTGG	
Sry-beta_M00666	2.0015e-05	-GAGAAGC AGWGATGC	
PEND_M01015	1.6959e-04	GAGAAGC AAGAAGT	
GCR1_M00046	3.8267e-04	-GAGAAGC GWGGAAGC	
GZF1_M01069	8.4845e-04	--GAGAAGC-- TATAGANGCGC	
c-Ets-1_M00743	8.7790e-04	GCTTCTC GCTTCK	
Alx-4_M00619	1.9387e-03	---GCTTCTC-- GATTATTCTCAG	
GATA-2_M00348	4.7249e-03	GCTTCTC-- NSTTATCWN	
GATA-1_M00347	5.3191e-03	GCTTCTC-- YNTTATCTN	
GATA-2_M00349	5.6986e-03	GCTTCTC-- TNTTATCTS	

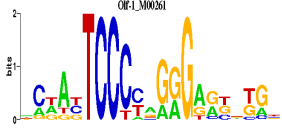









M43



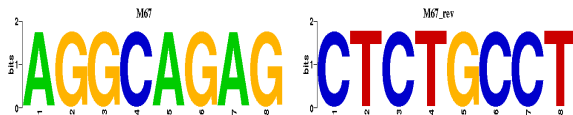
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
EBF_M00977	3.9165e-06	CTCCTCTGGG- -TCCCYWGRGN	
LUN-1_M00480	1.8042e-05	-CCCAGAGGAG----- TCCCAAAGTAGCTGGG	
Nrf-2_M00108	2.0900e-05	CTCCTCTGGG SNCTTCCGG-	
Olf-1_M00261	3.4122e-05	----CTCCTCTGGG----- NCMNNYTCCCNRRGGGANTNGN	
HSF_M00641	1.1490e-04	--CTCCTCTGGG GAARCYNCKNGA	
XPF-1_M00684	2.9107e-04	-CTCCTCTGGG GKTSNYCNG--	
CACCC-binding_M00721	3.1669e-04	-----CCCAGAGGAG CCNCACCCWNNKGNT	
PacC_M00247	5.7745e-04	--CTCCTCTGGG---- NNNNNNKCYTGCCNGN	
Elf-1_M00746	1.1295e-03	--CTCCTCTGGG AYTTCTCTTN-	
PU.1_M00658	1.5987e-03	CCCAGAGGAG- ----GAGGAAG	

M82



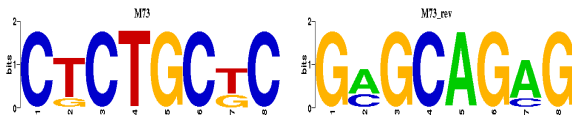
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Olf-1_M00261	1.6686e-06	-----CTCTGGGG----- NCMNNYTCCCNRRGGGANTNGN	
EBF_M00977	1.5158e-05	-CTCTGGGG- NCYCWRGGGA	
MIG1_M00061	3.4457e-05	--CCCCAGAG----- NNCCCCRSNTTTWNN	
SREBP-1_M00749	9.3983e-05	CTCTGGGG- ---TGGSGT	
BRK_M01096	2.0178e-04	CTCTGGGG --NTGGCG	
AP-2_M00915	2.2176e-04	---CCCCAGAG- NNNCCNCNGGCN	
ZAP1_M00754	4.9931e-04	--CTCTGGGG ACCTTKAGGG	
STAT_M00777	5.0076e-04	CCCCAGAG---- TCCNAGAANNNN	
LUN-1_M00480	9.9012e-04	CCCCAGAG----- TCCCAAAGTAGCTGGG	
HSF_M00641	1.0503e-03	-----CTCTGGGG GAARCYNCKNGA-	

M67

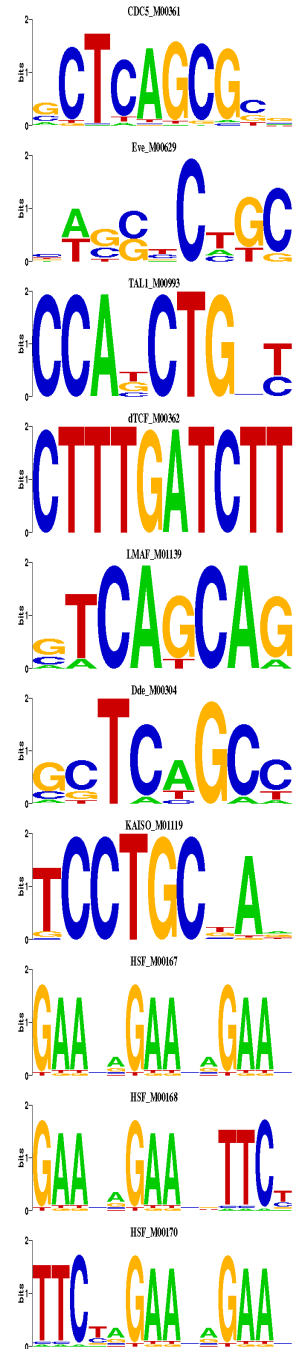


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
SMAD3_M00701	3.1826e-06	AGGCAGAG AGNCAGAC	
Dde_M00304	4.4602e-06	AGGCAGAG-- --GGCTGAGC	
Nrf-2_M00108	1.7707e-04	CTCTGCCT-- SNCTTCCGG	
Eve_M00629	3.1015e-04	AGGCAGAG--- --GCNGNSSWN	
Adf-1_M00923	1.0747e-03	---AGGCAGAG----- CRMNKKCAGCGRCKGCRGCS	
AP-2_M00800	1.3077e-03	--CTCTGCCT----- NNYNYNGCCYGSSGS	
Ets_M00971	1.4922e-03	-AGGCAGAG NAGGAAG--	
MAZ_M00649	1.7679e-03	CTCTGCCT CCCTCCC-	
PU.1_M00658	1.7957e-03	-AGGCAGAG GAGGAAG--	
CAC-binding_M00720	1.9033e-03	CTCTGCCT CCCASCCY	

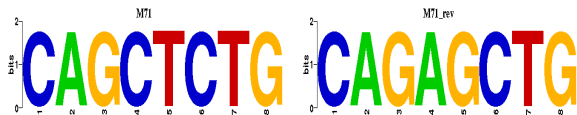
M73



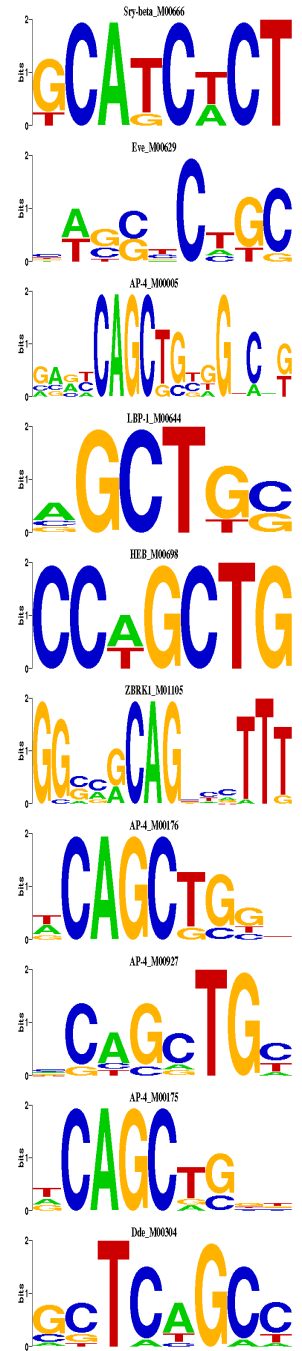
	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
CDC5_M00361	7.0009e-05	-CTCTGCTC- SCTCAGCGSN
Eve_M00629	5.0915e-04	---CTCTGCTC NWSSNCNGC---
TAL1_M00993	6.5079e-04	GAGCAGAG-- -RNCAGNTGG
dTCF_M00362	1.3664e-03	--GAGCAGAG AAGATCAAAG
LMAF_M01139	1.5179e-03	CTCTGCTC-- --CTGCTGAS
Dde_M00304	1.5247e-03	GAGCAGAG- -GGCTGAGC
KAISO_M01119	1.9254e-03	CTCTGCTC- TCCTGCNAN
HSF_M00167	2.4782e-03	-CTCTGCTC----- NTTCNNTTCNNTTC
HSF_M00168	2.4782e-03	-----CTCTGCTC NGAANNNTTCNNTTC
HSF_M00170	2.4782e-03	-CTCTGCTC----- NTTCNNTTCNNGAA



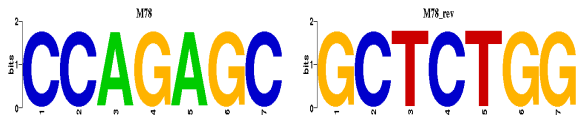
M71



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Sry-beta_M00666	1.0165e-05	CAGAGCTG- -AGWGATGC
Eve_M00629	1.3333e-05	-CAGAGCTG GCNGNSSWN
AP-4_M00005	3.2382e-05	-----CAGAGCTG----- MNGNCNNCAGCTGNNNN
LBP-1_M00644	3.6468e-05	-CAGCTCTG SCAGCN---
HEB_M00698	5.8465e-04	CAGAGCTG- --CAGCWGG
ZBRK1_M01105	6.5376e-04	-CAGAGCTG----- AAANNCTGCKSCC
AP-4_M00176	8.1537e-04	--CAGCTCTG NNCAGCTGN-
AP-4_M00927	8.3143e-04	-CAGCTCTG RCAGCTGN-
AP-4_M00175	1.1971e-03	CAGAGCTG- NNCAGCTGN
Dde_M00304	1.5392e-03	--CAGAGCTG GGCTGAGC--

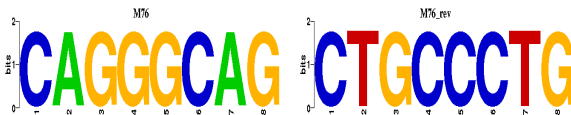


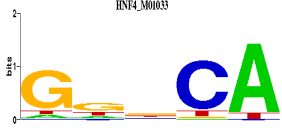









M78



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Eve_M00629	1.6374e-04	CCAGAGC-- GCNGNSSWN	
Pax-1_M00326	1.7713e-04	-----GCTCTGG----- CGTTCCGCTCTAGATAT	
HSF_M00641	1.7726e-04	----GCTCTGG- GAARCYNCKNGA	
Dde_M00304	4.7272e-04	-CCAGAGC GGCTGAGC	
AP-4_M00005	9.4731e-04	----CCAGAGC----- MNGNCNCCAGCTGNNNN	
GAGA_M00723	1.0318e-03	----GCTCTGG TYNCKCTCWS-	
RP58_M00532	1.3306e-03	---GCTCTGG- NAACATCTGGA	
MEF-3_M00319	1.8190e-03	----CCAGAGC NGWAACCTGASC	
LF-A1_M00646	2.3343e-03	-GCTCTGG GGSTCWR-	
Hand1-E47_M00222	3.3915e-03	----CCAGAGC----- NNWNCCAGAYNCNNN	

M76



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HNF4_M01033	9.9733e-05	CTGCCCTG -TGNNC--	
Eve_M00629	7.2780e-04	-CAGGGCAG GCNGNSSWN	
Pax-6_M00979	1.0299e-03	-----CAGGGCAG KAGTTCCAGGTCA-	
Ttk_M00009	1.4089e-03	-CAGGGCAG GCAGGAC--	
p53_M00034	1.5671e-03	----CTGCCCTG----- RGACATGCCCGGGCATGTC	
SZF1-1_M01109	1.9369e-03	-----CTGCCCTG CNGCTGWTACCCTG	
SMAD4_M00733	2.9421e-03	-----CTGCCCTG RGNTGKCTGNMYSN	
E2A_M00973	2.9466e-03	CAGGGCAG-- ---RNCAGNT	
E47_M00002	4.3587e-03	-----CTGCCCTG NNNNACACCTGCNS--	
MAF_M00648	5.6454e-03	-----CTGCCCTG- NSNMMACTTCCYYCN	

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