

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

Input file: 95 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 : -----AAAGAAAAAAAAAAAAAAAA-----
M1 : -----TTTTTAAAA-----
M2 : -----AARAGGAAAA-----
M3 : -----AAGAGAAAG-----
M4 : -----CACACACACACACAC-----
M5 : -----GGGGGGGAGGAAGGAGGGGGGG-----
M6 : -----GGGAGAGAGAG-----
M7 : -----GGGGGGGGGGGGGG-----
M8 : -----MAAAAGCAA-----
M9 : -----GGGGGGGGGGAGGAGGGGGGG-----
M10 : --GGGGGGGGAGGAGGRGGGGGG-----
M11 : -----GSAGGAAGAG-----
M12 : -----AGGCAGAG-----
M13 : -----GGGGCGGCAGCAGCCGGGG-----
M14 : -----GGGGGGGGAGGGAGGGGGGG-----
M15 : -----GGAGGAGGG-----
M16 : -----GGGGGGCAGGAAAG-----
M17 : -----GGGAAGGG-----
M18 : -----GGGGGGGGGTGGGG-----
M19 : -----GGGAGGGAG-----
M20 : -----GCTGCAGAG-----
M21 : -----GGGGGGGAGAGGCAGGGGGGG-----
M22 : -----CAGGCCTGG-----

```

Stamp Results

04/30/14

M23: -----GGGAGCWGAGG-----
M24: -----GGGGGGGAGGAGCTGGGG-----
M25: -----GGAGGCTGGGG-----
M26: -----CCAGGCCTGC-----
M27: -----GGGGGTGGGG-----
M28: --GGGGGGGAGGGGMGGGGCCGGGG-----
M29: -----CCCAGGCTCTGGGC-----
M30: -----GGGGGGGGGAGGGGAGGGGGGGG-----
M31: -----CTGAGGAAA-----
M32: -----GGGGAGAGGGGGGGGG-----
M33: -----CAGGGAAGAGG-----
M34: -----GGCYGCAGGGCGCG-----
M35: -----CAGGCTGGG-----
M36: -----CGGCCCCAGGCCAGCCCCCCC-----
M37: -----CCCRGAGCTGGGG-----
M38: -----GCGGGGGCCAGGGCAGCGGCGGCG-----
M39: -----CTGGCTCCT-----
M40: -----GGCTCTGGG-----
M41: -----GGGGCTGGGG-----
M42: -----GCTGCTGGG-----
M43: -----CCTGGCTCC-----
M44: -----CCTGGGCTGGG-----
M45: -----CCCAGGCC-----
M46: -----GGGCAGGCAGGGGCGGG-----
M47: -----GCAGRGGCCG-----
M48: -----CAGAGCTGGG-----
M49: -----CTCCCAGGAG-----
M50: -----GGGCGGGGCTCTGGG-----
M51: -----GAGGACAGAG-----
M52: -----GGAGCTGGG-----
M53: -----AGGAGAGGG-----
M54: -----CAGAGGCCTG-----
M55: -----GCNGTGGCTGCGG-----
M56: -----GGGGGAAGGG-----
M57: -----GGCTYCCTGCC-----
M58: -----GGGGGGGACAGGGGAGGGGGGG-----
M59: -----CCKGGCTCCCCCCCC-----
M60: -----CCGCAGCCTCAGGC-----
M61: -----CCCCCCCCGSCCAGGCCCCCGCC-----
M62: -----CCKGGAGGCGGGGGGG-----
M63: -----GCAGSCAGCAG-----
M64: -----GGGGGTGGGGGTGGGGGGGG-----
M65: -----CCNGGAGGCCGGGGGG-----

```

M66: -----GGGGGGCGGGGCTGMGGGGGGGGG---
M67: -----GCCCCAGGC-----
M68: -----GGAAGGGAM-----
M69: -----GGGGCGGCGGCGGCGGCGGCGGGG---
M70: -----GCAGCTCTGC-----
M71: -----GNGGCCAGAG-----
M72: -----TTCTCTGAG-----
M73: -----GGGGGGGGTGGGGTGGGGGGGGGG
M74: -----GGGGAGGCC-----
M75: -----AGGCAGAAG-----
M76: -----GGGGGGGGGCGGGGCCGGGGGGG---
M77: -----CCAGGCCTCC-----
M78: -----GAGGCCAGG-----
M79: GGGGCGGGGCTGGCTGGGGGCGGG-----
M80: -----GCTGGGCAGS-----
M81: -----AGGAAAA-----
M82: -----AGGAAAG-----
M83: -----AGAGAAGG-----
M84: -----GGAAGCAG-----
M85: -----CAGGCAG-----
M86: -----CTGGGAGG-----
M87: -----CTGGAGGA-----
M88: -----AGAAAGGG-----
M89: -----CTGGGGAS-----
M90: -----CTCCAGGC-----
M91: -----GGGGCTG-----
M92: -----CTGAGCAG-----
M93: -----TTTCAGGA-----
M94: -----CCAAGGRG-----
    
```

Familial Profile:
(click for matrix)

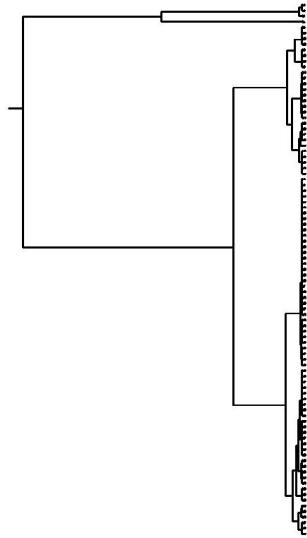


Motif Tree

















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


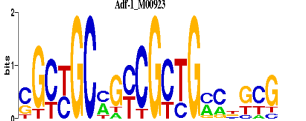














Input Motif

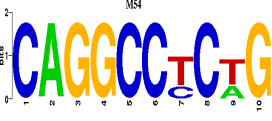


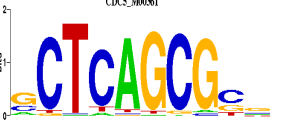


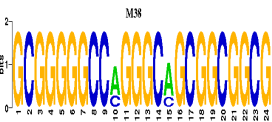
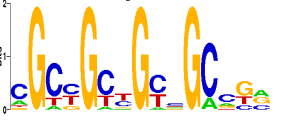
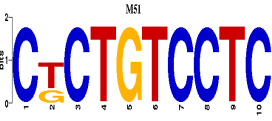
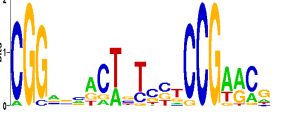
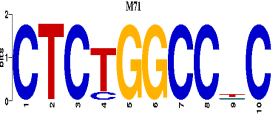
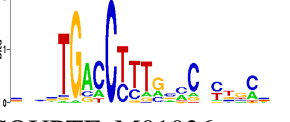


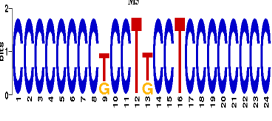

Best match in
 TRANSFAC

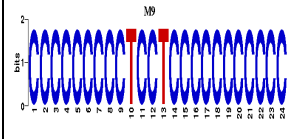
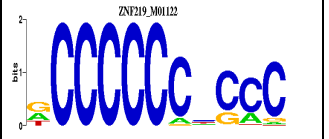
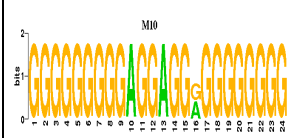
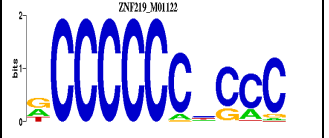
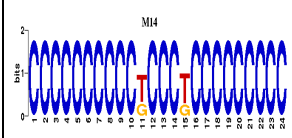

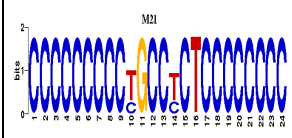

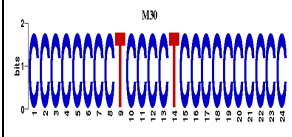

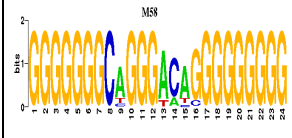

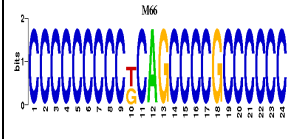
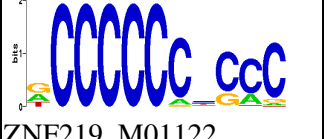
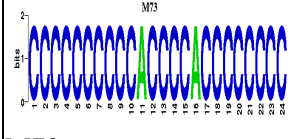



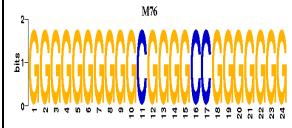
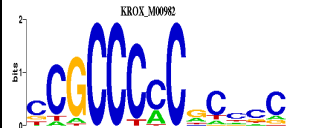
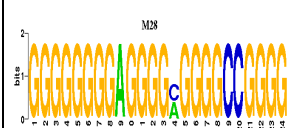

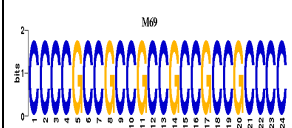
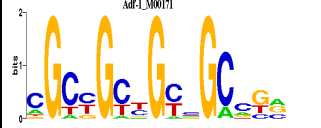
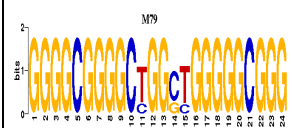
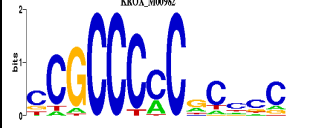
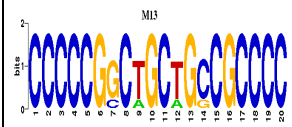
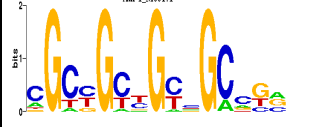
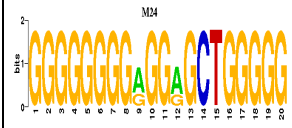

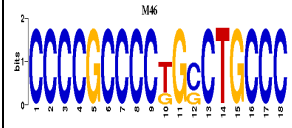



<p>M0</p>	<p>FOXP1_M00987 (E val: 2.4128e-08)</p>
<p>M8</p>	<p>Barbie_M00238 (E val: 4.2575e-05)</p>
<p>M1</p>	<p>MEF-2_M00405 (E val: 1.7998e-07)</p>
<p>M4</p>	<p>RAP1_M00213 (E val: 4.4923e-05)</p>
<p>M2</p>	<p>AG_M01133 (E val: 2.3005e-09)</p>
<p>M81</p>	<p>Helios_M01004 (E val: 6.4796e-10)</p>
<p>M82</p>	<p>Helios_M01004 (E val: 2.5944e-06)</p>
<p>M31</p>	<p>PU.1_M00658 (E val: 1.6230e-06)</p>



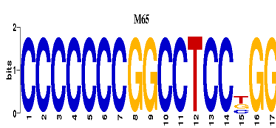
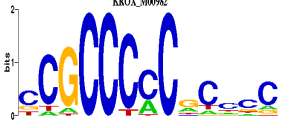
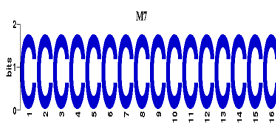



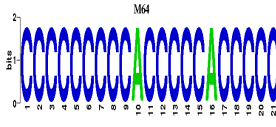

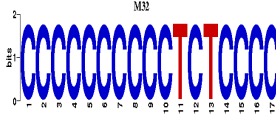





 <p>M3</p>	 <p>BLIMP1_M01066 (E val: 1.4757e-07)</p>
 <p>M83</p>	 <p>GATA-1_M00347 (E val: 3.0521e-05)</p>
 <p>M88</p>	 <p>PBF_M01130 (E val: 2.4789e-06)</p>
 <p>M6</p>	 <p>GAGA_M00723 (E val: 4.2906e-06)</p>
 <p>M11</p>	 <p>PU.1_M00658 (E val: 7.6375e-09)</p>
 <p>M57</p>	 <p>NERF1a_M00531 (E val: 1.0104e-07)</p>
 <p>M12</p>	 <p>SMAD3_M00701 (E val: 1.2284e-05)</p>
 <p>M75</p>	 <p>SMAD3_M00701 (E val: 8.7252e-05)</p>

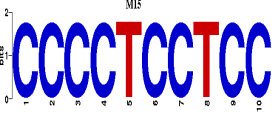





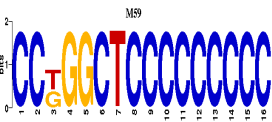
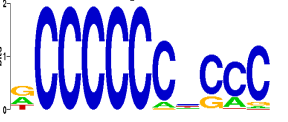


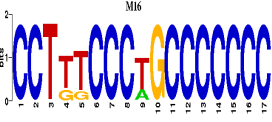





 <p>M63</p>	 <p>Adf-1_M00923 (E val: 1.3335e-06)</p>
 <p>M85</p>	 <p>Tel-2_M00678 (E val: 7.4528e-06)</p>
 <p>M39</p>	 <p>BRK_M01096 (E val: 4.6310e-05)</p>
 <p>M43</p>	 <p>BRK_M01096 (E val: 4.6310e-05)</p>
 <p>M84</p>	 <p>c-Ets-1_M00743 (E val: 9.7459e-07)</p>
 <p>M20</p>	 <p>LBP-1_M00644 (E val: 1.9619e-04)</p>
 <p>M23</p>	 <p>Dde_M00304 (E val: 8.0407e-05)</p>
 <p>M47</p>	 <p>E12_M00693 (E val: 5.4080e-08)</p>




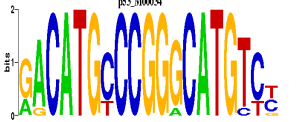
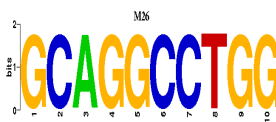



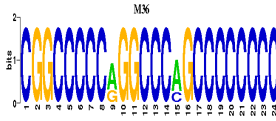

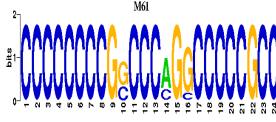





 <p>M54</p>	 <p>HSF_M00641 (E val: 5.2541e-04)</p>
 <p>M72</p>	 <p>CDC5_M00361 (E val: 4.1505e-04)</p>
 <p>M33</p>	 <p>Nrf-2_M00108 (E val: 1.5119e-05)</p>
 <p>M38</p>	 <p>Adf-1_M00171 (E val: 4.5095e-08)</p>
 <p>M51</p>	 <p>GAL4_M00198 (E val: 1.4876e-06)</p>
 <p>M71</p>	 <p>COUPTF_M01036 (E val: 7.1428e-05)</p>
 <p>M78</p>	 <p>BRK_M01096 (E val: 4.6310e-05)</p>
 <p>M5</p>	 <p>PU.1_M00658 (E val: 1.8831e-07)</p>





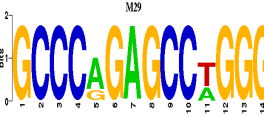



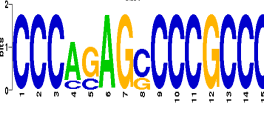







 <p>M9</p>	 <p>ZNF219_M01122 (E val: 1.3895e-10)</p>
 <p>M10</p>	 <p>ZNF219_M01122 (E val: 6.6346e-09)</p>
 <p>M14</p>	 <p>ZNF219_M01122 (E val: 1.3895e-10)</p>
 <p>M21</p>	 <p>UF1H3BETA_M01068 (E val: 1.1855e-10)</p>
 <p>M30</p>	 <p>ZNF219_M01122 (E val: 1.3895e-10)</p>
 <p>M58</p>	 <p>ZNF219_M01122 (E val: 2.3516e-07)</p>
 <p>M66</p>	 <p>ZNF219_M01122 (E val: 2.3093e-08)</p>
 <p>M73</p>	 <p>KROX_M00982 (E val: 4.4309e-11)</p>








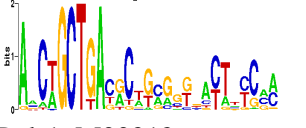
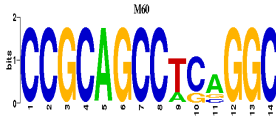
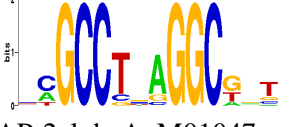






 <p>M76</p>	 <p>KROX_M00982 (E val: 1.4322e-14)</p>
 <p>M28</p>	 <p>UF1H3BETA_M01068 (E val: 4.3843e-13)</p>
 <p>M69</p>	 <p>Adf-1_M00171 (E val: 7.7716e-16)</p>
 <p>M79</p>	 <p>KROX_M00982 (E val: 4.7346e-11)</p>
 <p>M13</p>	 <p>Adf-1_M00171 (E val: 9.4442e-09)</p>
 <p>M24</p>	 <p>UF1H3BETA_M01068 (E val: 7.2349e-10)</p>
 <p>M46</p>	 <p>Sp1_M00931 (E val: 1.2461e-08)</p>
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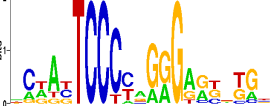
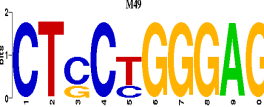

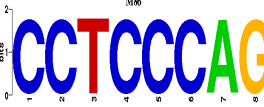









 <p>M62</p>	 <p>ZNF219_M01122 (E val: 2.1546e-08)</p>
 <p>M65</p>	 <p>KROX_M00982 (E val: 1.0512e-06)</p>
 <p>M7</p>	 <p>ZNF219_M01122 (E val: 1.3967e-11)</p>
 <p>M18</p>	 <p>ZNF219_M01122 (E val: 1.0769e-12)</p>
 <p>M64</p>	 <p>UF1H3BETA_M01068 (E val: 2.2147e-12)</p>
 <p>M32</p>	 <p>ZNF219_M01122 (E val: 2.0015e-11)</p>
 <p>M27</p>	 <p>UF1H3BETA_M01068 (E val: 8.6375e-13)</p>
 <p>M41</p>	 <p>KROX_M00982 (E val: 3.3963e-10)</p>

 <p>M15</p>	 <p>UF1H3BETA_M01068 (E val: 2.3808e-10)</p>
 <p>M53</p>	 <p>MAZ_M00649 (E val: 1.0678e-05)</p>
 <p>M19</p>	 <p>MAZ_M00649 (E val: 3.6118e-10)</p>
 <p>M59</p>	 <p>ZNF219_M01122 (E val: 2.6970e-09)</p>
 <p>M74</p>	 <p>MAZ_M00649 (E val: 7.4906e-07)</p>
 <p>M16</p>	 <p>BLIMP1_M01066 (E val: 4.4005e-09)</p>
 <p>M17</p>	 <p>UF1H3BETA_M01068 (E val: 3.3651e-09)</p>
 <p>M56</p>	 <p>UF1H3BETA_M01068 (E val: 2.6569e-10)</p>

 <p>M68</p>	 <p>BLIMP1_M01066 (E val: 1.3678e-09)</p>
 <p>M22</p>	 <p>p53_M00034 (E val: 1.2930e-05)</p>
 <p>M26</p>	 <p>Ttk_M00009 (E val: 2.6228e-05)</p>
 <p>M77</p>	 <p>UAY_M00391 (E val: 5.7350e-04)</p>
 <p>M36</p>	 <p>RREB-1_M00257 (E val: 7.1171e-08)</p>
 <p>M61</p>	 <p>KROX_M00982 (E val: 2.5650e-11)</p>
 <p>M45</p>	 <p>AP-2_M00915 (E val: 4.8028e-06)</p>
 <p>M67</p>	 <p>AP-2_M00915 (E val: 4.8028e-06)</p>

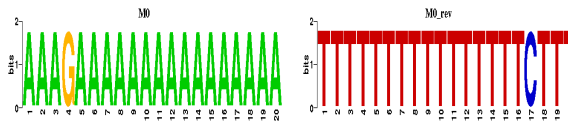
 <p>M35</p>	 <p>CAC-binding_M00720 (E val: 3.1033e-09)</p>
 <p>M44</p>	 <p>CAC-binding_M00720 (E val: 3.6109e-07)</p>
 <p>M29</p>	 <p>CACCC-binding_M00721 (E val: 2.3916e-04)</p>
 <p>M40</p>	 <p>LF-A1_M00646 (E val: 5.5252e-05)</p>
 <p>M50</p>	 <p>Sp1_M00931 (E val: 7.6578e-09)</p>
 <p>M37</p>	 <p>Alfin1_M00479 (E val: 2.8279e-06)</p>
 <p>M48</p>	 <p>HEB_M00698 (E val: 5.7899e-06)</p>
 <p>M52</p>	 <p>LUN-1_M00480 (E val: 6.1017e-08)</p>

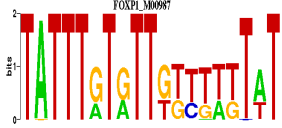




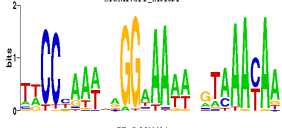




 <p>M70</p>	 <p>Sry-beta_M00666 (E val: 5.0001e-07)</p>
 <p>M34</p>	 <p>Sp1_M00931 (E val: 4.3879e-05)</p>
 <p>M42</p>	 <p>LMAF_M01139 (E val: 5.8168e-06)</p>
 <p>M55</p>	 <p>Bel-1_M00312 (E val: 1.4327e-09)</p>
 <p>M60</p>	 <p>AP-2alphaA_M01047 (E val: 2.3521e-09)</p>
 <p>M91</p>	 <p>Alfin1_M00479 (E val: 2.8801e-06)</p>
 <p>M80</p>	 <p>Sp3_M00665 (E val: 1.0454e-04)</p>
 <p>M92</p>	 <p>Dde_M00304 (E val: 2.5814e-06)</p>

 <p>M89</p>	 <p>Oif-1_M00261 (E val: 4.9455e-07)</p>
 <p>M49</p>	 <p>Lyf-1_M00141 (E val: 3.7282e-05)</p>
 <p>M86</p>	 <p>Lyf-1_M00141 (E val: 7.0228e-08)</p>
 <p>M94</p>	 <p>alpha-CP1_M00687 (E val: 5.8382e-07)</p>
 <p>M87</p>	 <p>Barbie_M00238 (E val: 2.0905e-05)</p>
 <p>M90</p>	 <p>AP-2_M00915 (E val: 4.9237e-06)</p>
 <p>M93</p>	 <p>STE12_M00664 (E val: 3.5192e-05)</p>

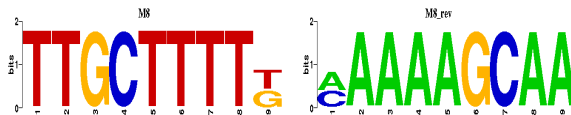
Motif Similarity Matches

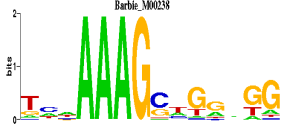


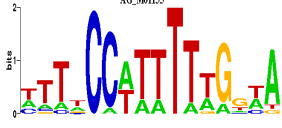






M0



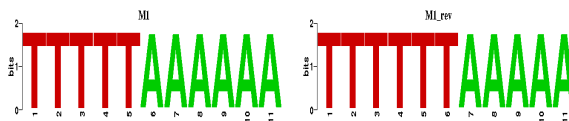
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
FOXP1_M00987	2.4128e-08	AAAGAAAAAAAAAAAAAAAAAA -ATAAAAAACAACACAAATA	
HSF_M00163	4.2848e-08	TTTTTTTTTTTTTTTTTCTTT ---NTTCTNTTCTNTTC---	
STE11_M00274	7.0725e-08	AAAGAAAAAAAAAAAAAAAAAA- ----WNNNNAACAAAGAAANW	
BR-C_M00092	1.5064e-07	AAAGAAAAAAAAAAAAAAAAAA ----RANAAATAGNWNNNN-	
STE11_M01005	5.6586e-07	TTTTTTTTTTTTTTTTTCTTT -----TTCTTTGTC---	
MCM1+SFF_M01051	6.3557e-07	TTTTTTTTTTTTTTTTTCTTT----- -TTRTTTANNTWTTNCCNNWTTNGNA	
BR-C_M00094	6.0444e-05	TTTTTTTTTTTTTTTTTCTTT -----TTWTSTTTAYWW	
XFD-3_M00269	6.3144e-05	TTTTTTTTTTTTTTTTTCTTT -----WKWTTGTTTACWN-	
HSF_M00167	2.1274e-04	TTTTTTTTTTTTTTTTTCTTT ---NTTCNNTTCNNTTC---	
Rim101p_M01030	2.2806e-04	TTTTTTTTTTTTTTTTTCTTT -----TTNCTTG	

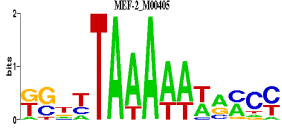

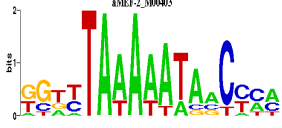
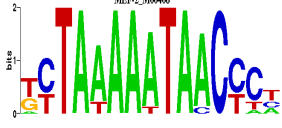

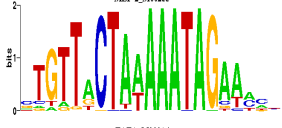



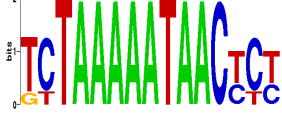
M8



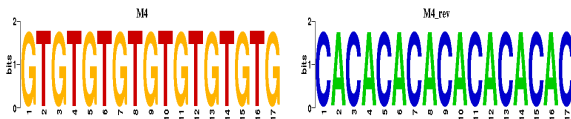
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Barbie_M00238	4.2575e-05	----TTGCTTTTK-- CMNNCNSCTTTNNN	
IRF-1_M00062	9.5326e-05	----TTGCTTTTK GGTTTCRCTTTT--	
IRF-2_M00063	1.1663e-04	----TTGCTTTTK RSTTTTCRCTTTT--	
AG_M01133	1.4779e-04	-----MAAAAGCAA-- TWNCAAAAAWGGNAAN	
Rim101p_M01030	1.8303e-04	TTGCTTTTK TTNCTTG--	
STE11_M01005	2.1050e-04	TTGCTTTTK-- TTTCTTTGTTT	
MADS-A_M00408	2.1570e-04	-TTGCTTTTK----- TTTCCATTTTTNNWN	
HNF3alpha_M00724	2.3110e-04	MAAAAGCAA-- -NWRARCAAAY	
HSF_M00163	2.7261e-04	MAAAAGCAA----- GAANAGAANAGAAN	
HSF_M00164	2.7261e-04	MAAAAGCAA----- GAANAGAANNTTCT	

M1

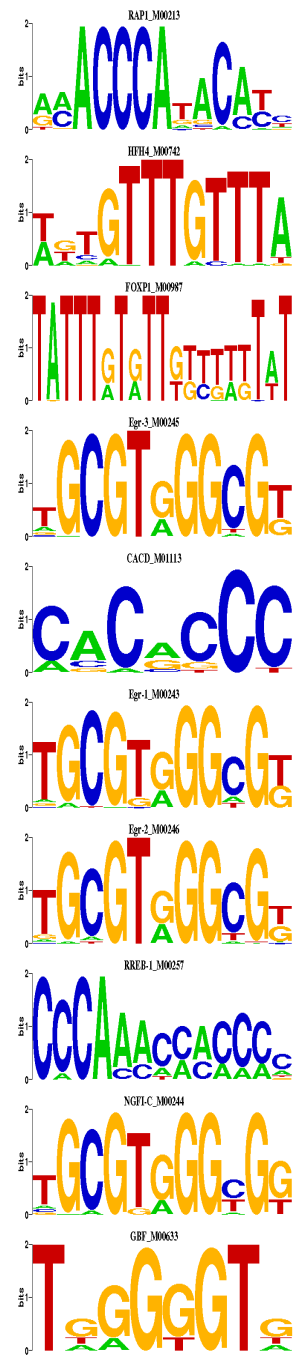


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MEF-2_M00405	1.7998e-07	----TTTTTTAAAAA RGKNWTTTTTANNM	
C-EBPgamma_M00622	1.6386e-05	TTTTTTAAAAA- TNATTCARAAW	
aMEF-2_M00403	2.0644e-05	-----TTTTTAAAAAA KCRGNTATTTTTARNM-	
MEF-2_M00406	1.2453e-04	-----TTTTTAAAAAA NGGTTATTTTTAGM---	
Abd-B_M01094	1.4093e-04	TTTTTAAAAAA -TTTTAT----	
MEF-2_M00233	1.4617e-04	-----TTTTTAAAAAA-- NNNTTCTATTTTTAGTAACAN	
TATA_M00216	1.6655e-04	TTTTTAAAAAA NTTTTATAG--	
HSF_M00166	1.7836e-04	----TTTTTTAAAAA NNTCTNTTCTAGAA-	
FOXO3_M00477	1.8647e-04	TTTTTAAAAAA-- WANGTAAACAANN	
MEF-2_M00006	2.2239e-04	-----TTTTTAAAAAA RGRGTTATTTTTAGA---	

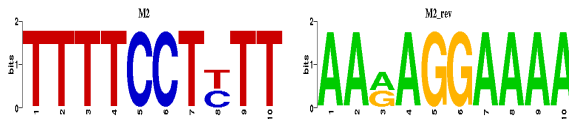
M4

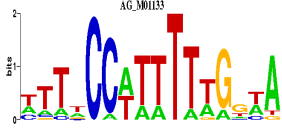



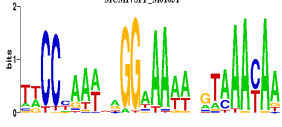







	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
RAP1_M00213	4.4923e-05	-GTGTGTGTGTGTGTGTG NRTGTATGGGTY-----
HFH4_M00742	6.7712e-05	GTGTGTGTGTGTGTGTG -WKTGTTTGTTTA-----
FOXP1_M00987	2.4539e-04	-CACACACACACACACAC- ATAAAAAACAACACAAATA
Egr-3_M00245	6.5719e-04	CACACACACACACACAC -ACGCCACGCA-----
CACD_M01113	6.9270e-04	GTGTGTGTGTGTGTGTG GGGYGTG-----
Egr-1_M00243	8.6540e-04	GTGTGTGTGTGTGTGTG -TGCGTGGGCGK-----
Egr-2_M00246	1.4017e-03	GTGTGTGTGTGTGTGTG -TGCGTGGGCGK-----
RREB-1_M00257	1.5646e-03	GTGTGTGTGTGTGTGTG GGGGTGGTTTGGG----
NGFI-C_M00244	1.6079e-03	CACACACACACACACAC -CCRCCCACGCA-----
GBF_M00633	5.3216e-03	GTGTGTGTGTGTGTGTG -TNGGGTN-----

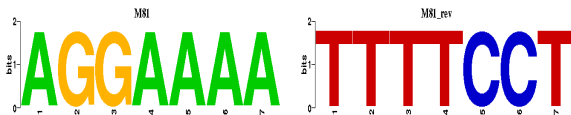



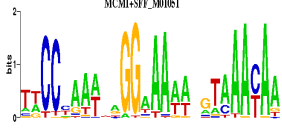
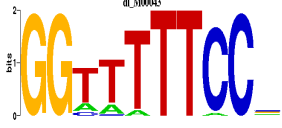
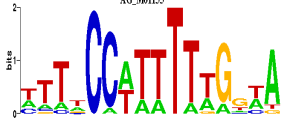






M2



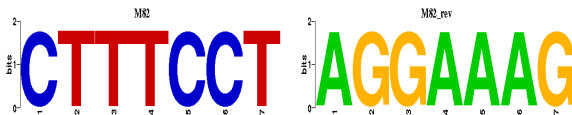
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AG_M01133	2.3005e-09	-----AARAGGAAAA TWNCAAAAAWGGNAAN	
Elf-1_M00746	2.9467e-08	TTTTCTYTT- AYTTCCTCTN	
ID1_M01021	1.5721e-07	AARAGGAAAA AWAASGACAA	
Helios_M01004	2.3313e-07	-TTTTCTYTT NTTTTCTWN-	
MCM1+SFF_M01051	8.5236e-07	-----AARAGGAAAA----- TNCNAAWNNGGNAAWANNTAAAYAA	
HSF_M00163	1.3762e-05	---TTTTCTYTT- NTTCNNTTCTNTTC	
MADS-A_M00408	1.5319e-05	TTTTCTYTT----- -TTCCATTTTTNWN	
IRF-2_M00063	2.7922e-05	--TTTTCTYTT RSTTCRCSTTT	
IRF-1_M00062	2.8891e-05	--TTTTCTYTT GGTTCRCSTTT	
MADS-B_M00404	3.1885e-05	-----AARAGGAAAA NCYAAAAATGSAA-	

M81



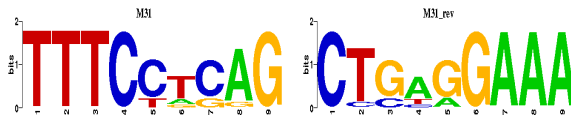
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Helios_M01004	6.4796e-10	-TTTTCT-- NTTTCTWN	
MCM1+SFF_M01051	1.5158e-07	-----AGGAAA----- TNCNAAWNNGGNAAWANNNTAAAYAA	
dI_M00043	1.4412e-06	AGGAAA--- NGGAAAACC	
AG_M01133	1.2806e-05	-----AGGAAA TWNCAAAAAWGGNAAN	
NF-AT_M00302	2.8941e-05	--TTTTCT-- NNNTTCCWNN	
dI_M00120	2.9020e-05	---TTTTCT NGNTTTCYC	
Elf-1_M00746	4.2410e-05	TTTTCT---- AYTTCCTTN	
Ets_M00971	6.2494e-05	-AGGAAA NAGGAAG-	
PU.1_M00658	7.9074e-05	TTTTCT- -CTTCCTC	
STAT5B_M00459	1.0214e-04	TTTTCT----- NWTTCNGGAANYN	











M82



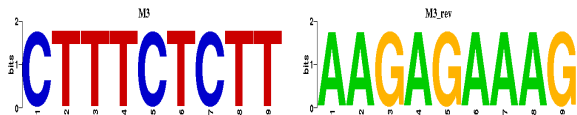
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Helios_M01004	2.5944e-06	-CTTTCCT-- NTTTCCTWN	
BPC1_M01126	6.7139e-06	CTTTCCT NTTTC--	
NF-kappaB_M00208	1.4933e-05	AGGAAAG---- NGGAAARTCCC	
NF-AT_M00302	2.8941e-05	--CTTTCCT-- NNNTTTCWNN	
Elf-1_M00746	4.2410e-05	CTTTCCT---- AYTTCCTCTN	
ISGF-3_M00258	5.3424e-05	AGGAAAG----- GNGAAANWGAACT	
BLIMP1_M01066	5.8307e-05	--CTTTCCT---- YMCTTTCMCTTYC	
Ets_M00971	6.2494e-05	-AGGAAAG NAGGAAG-	
PU.1_M00658	7.9074e-05	CTTTCCT- -CTTCCTC	
MCM1+SFF_M01051	8.7449e-05	-----AGGAAAG----- TNCNAAWNNGGNAAWANNTAAAYAA	




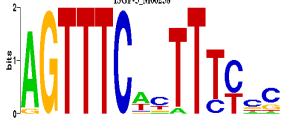






M31



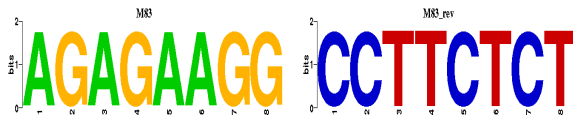
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	1.6230e-06	TTCCTCAG CTTCCTC--	
XPF-1_M00684	6.4166e-06	TTCCTCAG GKTSNYCNG	
Elf-1_M00746	1.1012e-05	-TTCCTCAG- AYTTCCTCTT	
GCR1_M00046	5.6200e-05	CTGAGGAAA- --GWGGAAGC	
Alx-4_M00619	7.8992e-05	---TTCCTCAG GATTATTCTCAG	
Helios_M01004	1.1392e-04	--TTCCTCAG NTTTTCTWN-	
NF-AT_M00302	6.1479e-04	---TTCCTCAG NNNTTTCWNN-	
Ets_M00971	6.1730e-04	CTGAGGAAA --NAGGAAG	
NF-AT_M00935	1.0626e-03	---TTCCTCAG NWNTTTCW---	
PEA3_M00655	2.1377e-03	CTGAGGAAA ---MGGAWG	











M3



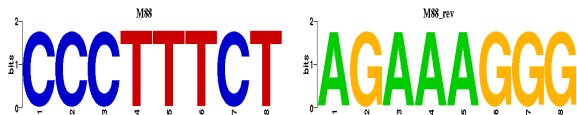
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BLIMP1_M01066	1.4757e-07	--AAGAGAAAG-- GRAAGKGAAGKR	
IRF_M00972	3.0923e-07	CTTTCTCTT- NNTTCWNTTT	
Elf-1_M00746	3.7011e-07	-CTTTCTCTT- AYTTCCTCTTN	
ISGF-3_M00258	9.4066e-07	----AAGAGAAAG- GNGAAANWGAACT	
IRF-2_M00063	1.2334e-06	-CTTTCTCTT-- RSTTTCRCTTTT	
HSF_M00163	8.0764e-06	-AAGAGAAAG---- GAANAGAANAGAAN	
HSF_M00164	8.0764e-06	-AAGAGAAAG---- GAANAGAANNTTCT	
PU.1_M00658	1.5920e-05	AAGAGAAAG --GAGGAAG	
IRF-1_M00062	2.1701e-05	-CTTTCTCTT-- GGTTTCRCTTTT	
ICSBP_M00699	2.5705e-05	--CTTTCTCTT CAGTTTCAYTT	

M83



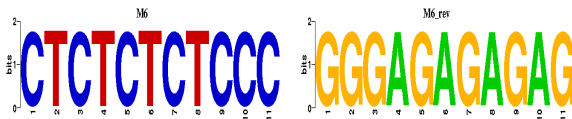
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GATA-1_M00347	3.0521e-05	CCTTCTCT- YNTTATCTN	
Lmo2_M00278	4.7290e-05	AGAGAAGG MGATANS	
Sry-beta_M00666	5.9394e-05	AGAGAAGG AGWGATGC	
GATA-2_M00349	1.3393e-04	-AGAGAAGG SAGATAANA	
GATA-3_M00350	1.7652e-04	CCTTCTCT- TNTTATCTY	
GATA-2_M00348	1.8833e-04	CCTTCTCT- NSTTATCWN	
PEND_M01015	2.5550e-04	CCTTCTCT ACTTCTT-	
ARF_M00438	1.4115e-03	-AGAGAAGG GAGACAA--	
Evi-1_M00078	1.5088e-03	---CCTTCTCT--- TTATCTTATCTTRTC	
PR_M00960	2.1728e-03	-CCTTCTCT NTGYCNNW	


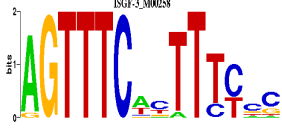








M88



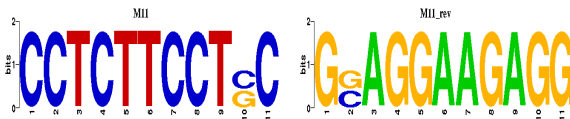
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PBF_M01130	2.4789e-06	CCCTTTCT -CCTT--	
BPC1_M01126	1.4372e-05	CCCTTTCT --NTTTC-	
Lmo2_M00278	1.4536e-05	CCCTTTCT CSNTATCK	
KR_M01089	2.8389e-05	AGAAAGGG--- NNAAGGGTNN	
BLIMP1_M01066	4.8062e-05	-----CCCTTTCT YMCTTTCMCTTYC-	
SED_M01128	5.0296e-05	AGAAAGGG-- -NAAAGNNA	
Rim101p_M01030	8.5146e-04	CCCTTTCT-- ---TTNCTTG	
Nanog_M01123	9.8917e-04	---CCCTTTCT GNCCATTKCC	
Retroviral_M00212	1.2600e-03	-AGAAAGGG----- NAGNRRRRRGNTTTATT	
Lentiviral_M00318	1.3150e-03	-AGAAAGGG AATAAAG--	



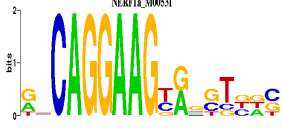






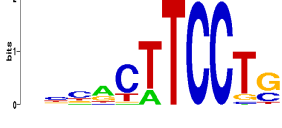
M6



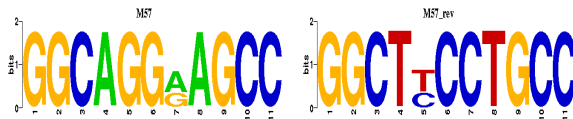
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GAGA_M00723	4.2906e-06	-CTCTCTCTCCC TYNCKTCWS--	
ISGF-3_M00258	5.2783e-06	GGGAGAGAGAG--- GNGAAANWGAAACT	
MAZ_M00649	8.7300e-06	CTCTCTCTCCC ----CCCTCCC	
BLIMP1_M01066	2.6786e-04	GGGAGAGAGAG-- GRAAGKGAAAGKR	
Lyf-1_M00141	3.5571e-04	CTCTCTCTCCC-- -----YCTCCCAA	
SMAD3_M00701	4.3147e-04	GGGAGAGAGAG ---AGNCAGAC	
ZID_M00085	5.5017e-04	GGGAGAGAGAG-- -GRTGATRGAGCC	
TFII-I_M00706	1.5626e-03	-CTCTCTCTCCC CCTMCNTC----	
UF1H3BETA_M01068	2.0336e-03	--GGGAGAGAGAG GYGGGGGAGGGGC	
Nrf-2_M00108	2.4133e-03	CTCTCTCTCCC-- ----SNCTTCCGG	







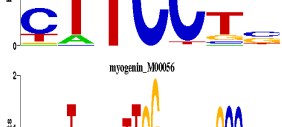



M11



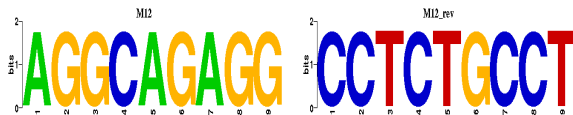
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	7.6375e-09	GSAGGAAGAGG -GAGGAAG---	
Nrf-2_M00108	8.8790e-08	CCTCTTCCTSC -SNCTTCCGG-	
NERF1a_M00531	1.8362e-06	-----CCTCTTCCTSC- SNNASNYRCTTCTGNY	
Ets_M00971	3.7380e-06	GSAGGAAGAGG -NAGGAAG---	
GCR1_M00046	4.4745e-06	GSAGGAAGAGG -GWGGAAGC--	
Tel-2_M00678	9.0972e-06	GSAGGAAGAGG -CAGGAAGTA-	
PEA3_M00655	9.8669e-06	GSAGGAAGAGG --MGGAWG---	
c-Ets-1_M00339	1.1942e-05	----CCTCTTCCTSC NNMNNNACTTCTG-	
c-Ets-1_M00743	2.1589e-05	CCTCTTCCTSC --GCTTCK--	
Ets_M00771	3.4271e-05	GSAGGAAGAGG- -CAGGAAGYNNN	

M57



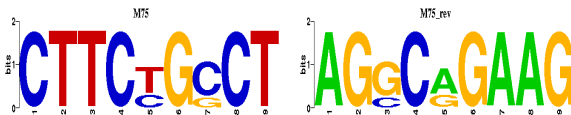
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
NERF1a_M00531	1.0104e-07	GGCAGGRAGCC----- RNCAGGAAGYRNSTNNS	
c-Ets-1_M00743	3.8316e-07	GGCAGGRAGCC ---MGGAAGC-	
Tel-2_M00678	2.1424e-06	GGCAGGRAGCC --CAGGAAGTA	
GCR1_M00046	4.5053e-06	GGCAGGRAGCC --GWGGAAGC-	
LXR_M00766	5.7731e-06	GGCTYCCTGCC---- GGGTTACTNNCGGTC	
Ttk_M00009	1.9082e-05	GGCAGGRAGCC -GCAGGAC---	
Ets_M00971	2.0562e-05	GGCAGGRAGCC --NAGGAAG--	
myogenin_M00056	2.4809e-05	-----GGCAGGRAGCC----- ASCTGTNNNNNTTTGGCACNSNGCCARNN	
PU.1_M00658	2.6175e-05	GGCAGGRAGCC --GAGGAAG--	
PEA3_M00655	5.7031e-05	GGCAGGRAGCC ---MGGAWG--	

M12



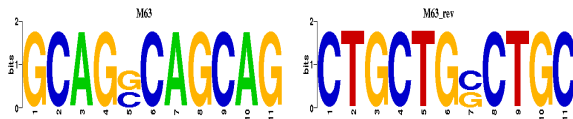
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
SMAD3_M00701	1.2284e-05	AGGCAGAGG AGNCAGAC-	
Dde_M00304	1.6748e-05	AGGCAGAGG -GGCTGAGC	
Adf-1_M00923	2.0171e-04	---AGGCAGAGG----- CRMNKKCAGCGRCKGCRGCS	
Eve_M00629	3.1760e-04	AGGCAGAGG-- --GCNGNSSWN	
TAL1_M00993	3.4491e-04	AGGCAGAGG-- -RNCAGNTGG	
PPAR_M00528	3.6610e-04	---CCTCTGCCT---- TGACCTTTGNCCNNNN	
HNF4alpha1_M00411	3.7553e-04	----CCTCTGCCT- NTGACCTTTGNCCY	
Nrf-2_M00108	5.9107e-04	CCTCTGCCT- -SNCTTCCGG	
COUPTF_M01036	7.4953e-04	-----AGGCAGAGG----- NKNNRNGKNNAAAGGTCANNNN	
HNF4_M01031	9.0981e-04	----CCTCTGCCT NTGRMCTTTGNCC	

M75

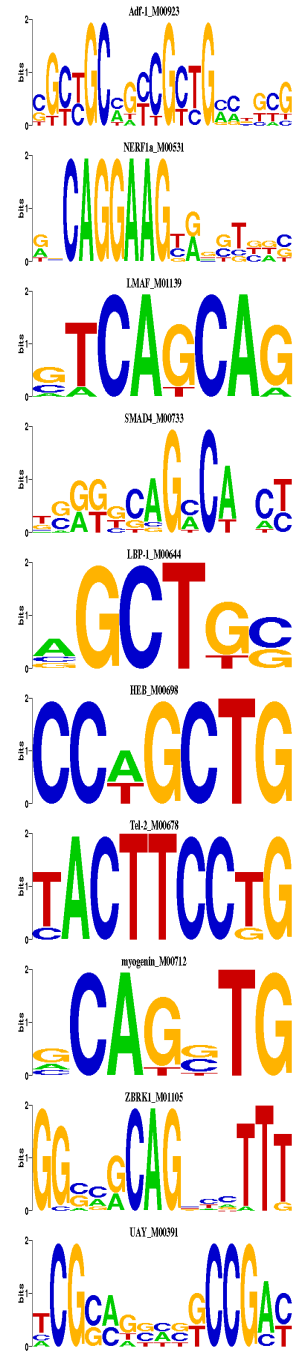


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
SMAD3_M00701	8.7252e-05	AGGCAGAAG AGNCAGAC-	
PU.1_M00658	2.8230e-04	CTTCTGCCT CTTCCTC--	
TAL1_M00993	8.7919e-04	AGGCAGAAG- -RNCAGNTGG	
PEND_M01015	1.1369e-03	-CTTCTGCCT ACTTCTT---	
Nrf-2_M00108	1.2397e-03	--CTTCTGCCT SNCTTCCGG--	
MZF1_M00084	1.3890e-03	CTTCTGCCT---- -TTNCCCCTCENN	
Elk-1_M00007	1.7462e-03	-----CTTCTGCCT- NNGNACTTCKGTNN	
GABP_M00341	2.4092e-03	----CTTCTGCCT YGCNCTTCCGG--	
Tel-2_M00678	2.7715e-03	-AGGCAGAAG CAGGAAGTA-	
LMAF_M01139	3.5008e-03	CTTCTGCCT CTGCTGAS-	

M63


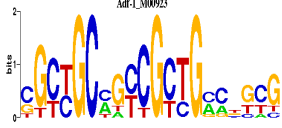










	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Adf-1_M00923	1.3335e-06	-----CTGCTGSCTGC- SGCYGCMGYCGCTGMMNKYG
NERF1a_M00531	3.8257e-06	-GCAGSCAGCAG----- RNCAGGAAGYRNSTNNS
LMAF_M01139	9.4261e-06	CTGCTGSCTGC CTGCTGAS---
SMAD4_M00733	3.9695e-05	CTGCTGSCTGC---- -RGNTGKCTGNMYSN
LBP-1_M00644	1.3907e-04	GCAGSCAGCAG ----SCAGCN-
HEB_M00698	1.7387e-04	-CTGCTGSCTGC CCWGCTG-----
Tel-2_M00678	1.7645e-04	GCAGSCAGCAG -CAGGAAGTA-
myogenin_M00712	1.0085e-03	GCAGSCAGCAG ----NCAGSTG
ZBRK1_M01105	1.2485e-03	-----CTGCTGSCTGC AAANNCTGCKSCC---
UAY_M00391	1.3258e-03	--CTGCTGSCTGC-- RTCGMNNNNKSCGN

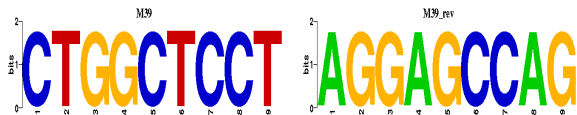




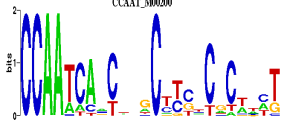
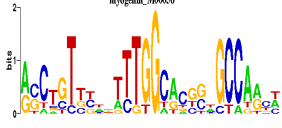






M85



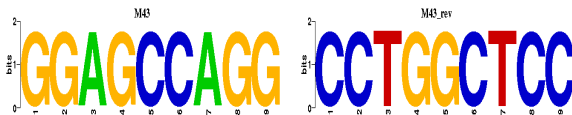
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Tel-2_M00678	7.4528e-06	CAGGCAG-- CAGGAAGTA	
Adf-1_M00923	3.3673e-05	--CAGGCAG----- CRMNKKCAGCGRCKGCRGCS	
Ets_M00771	7.7953e-05	----CTGCCTG NNNRCTTCTG	
NERF1a_M00531	1.4727e-04	-----CTGCCTG-- SNNASNYRCTTCTGNY	
c-Ets-2_M00340	1.5207e-04	-CAGGCAG----- RCAGGAAGTNNNT	
c-Ets-1_M00339	2.5526e-04	-----CTGCCTG NNMNNNACTTCTG	
SMAD3_M00701	2.9542e-04	CAGGCAG-- -AGNCAGAC	
Ets_M00971	5.7503e-04	CAGGCAG NAGGAAG	
SMAD4_M00733	5.9147e-04	-----CTGCCTG- RGNTGKCTGNMYSN	
PU.1_M00658	7.0533e-04	CAGGCAG GAGGAAG	

M39



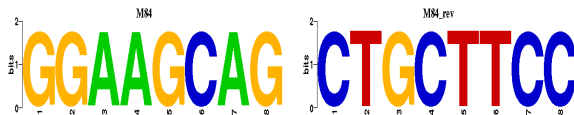
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BRK_M01096	4.6310e-05	CTGGCTCCT NTGGCG---	
YY1_M00069	7.0666e-05	AGGAGCCAG----- WNSANNCAAGATGGCNGNN	
CCAAT_M00200	4.2953e-04	-----AGGAGCCAG----- ANNWGNNGNRRGNNGNTGATTGG	
myogenin_M00056	5.0050e-04	--CTGGCTCCT----- NNYTGGCNSNGTGCCAAANNNNACAGST	
SMAD4_M00733	8.0831e-04	--CTGGCTCCT--- RGNTGKCTGNMYSN	
E12_M00693	1.6696e-03	CTGGCTCCT-- -NNNCACCTGY	
AP-4_M00005	1.9907e-03	-----CTGGCTCCT MNGNCNNCAGCTGNNNN--	
ZID_M00085	2.5044e-03	----AGGAGCCAG GRTGATRGAGCC--	
ARF_M00438	2.5373e-03	AGGAGCCAG --GAGACAA	
NF-E2_M00037	3.8076e-03	AGGAGCCAG- RTGACTCAGC	

M43



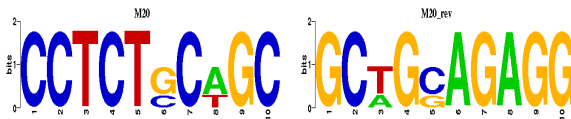
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BRK_M01096	4.6310e-05	CCTGGCTCC -NTGGCG--	
YY1_M00069	8.6086e-05	-GGAGCCAGG----- WNSANNCAAGATGGCNGNN	
myogenin_M00056	5.0050e-04	-CCTGGCTCC----- NNYTGGCNSNGTGCCAAANNNNACAGST	
RFX1_M00280	6.2906e-04	-----CCTGGCTCC- NNGTTRCYWNGYNACN	
E2A_M00804	7.0394e-04	--GGAGCCAGG-- NMNGNGNCAGGTG	
SMAD4_M00733	8.0831e-04	-CCTGGCTCC---- RGNTGKCTGNMYSN	
AP-4_M00005	1.9907e-03	-----CCTGGCTCC MNGNCNNCAGCTGNNNN-	
TFII-I_M00706	2.3931e-03	CCTGGCTCC CCTMCNTC-	
ZID_M00085	2.5044e-03	-----GGAGCCAGG GRTGATRGAGCC---	
ARF_M00438	2.5373e-03	GGAGCCAGG -GAGACAA-	

M84



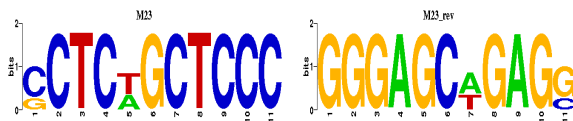
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
c-Ets-1_M00743	9.7459e-07	CTGCTTCC-- --GCTTCCK	
NERF1a_M00531	1.1765e-06	-----CTGCTTCC----- SNNASNYRCTTCTGNY	
GCR1_M00046	1.7592e-06	--GGAAGCAG GWGGAAGC--	
HEN1_M00058	7.4576e-06	---GGAAGCAG----- NNNGGNCGCAGCTGCGNCCNN	
Tel-2_M00678	4.9645e-05	--GGAAGCAG CAGGAAGTA-	
GCR1_M00337	1.4862e-04	-----GGAAGCAG AAWAGTGGAAGCC-	
PU.1_M00658	2.2603e-04	CTGCTTCC-- ---CTTCTC	
Ets_M00971	2.2692e-04	--GGAAGCAG NAGGAAG---	
PEA3_M00655	2.9847e-04	-GGAAGCAG MGGAWG---	
LMAF_M01139	3.3754e-04	CTGCTTCC CTGCTGAS	

M20



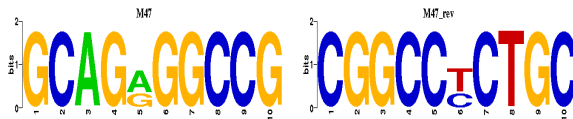
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LBP-1_M00644	1.9619e-04	CCTCTGCAGC- -----SCAGCN	
LMAF_M01139	3.0892e-04	CCTCTGCAGC -STCAGCAG-	
HSF_M00641	1.2027e-03	----CCTCTGCAGC GAARCYNCKNGA--	
Eve_M00629	1.6982e-03	GCTGCAGAGG-- ---GCNGNSSWN	
Adf-1_M00923	1.9495e-03	-----GCTGCAGAGG CRMNKKCAGCGRCKGCRGCS-	
Adf-1_M00171	2.0533e-03	---GCTGCAGAGG-- NMNGCNRCRGCRGCG	
bZIP910_M00357	3.7745e-03	-CCTCTGCAGC ACGTCAGCAYS	
myogenin_M00712	5.1099e-03	CCTCTGCAGC ---CASCTGN	
TAL1_M00993	5.6602e-03	GCTGCAGAGG-- --RNCAGNTGG	
repressor_M00014	7.7213e-03	--CCTCTGCAGC---- NNYNTNGCGGCTANN	





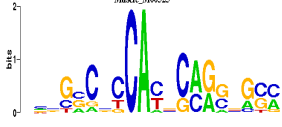





M23



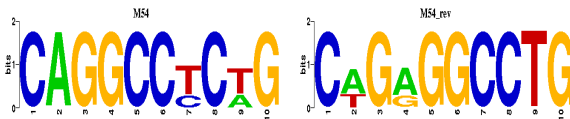
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Dde_M00304	8.0407e-05	CCTCWGCTCCC GCTCAGCC---	
CDC5_M00361	1.1014e-04	GGGAGCWGAGG -NSCGCTGAGS	
bZIP910_M00357	1.6868e-04	-CCTCWGCTCCC ACGTCAGCAYS-	
Eve_M00629	3.9214e-04	GGGAGCWGAGG-- ----GCNGNSSWN	
TAL1_M00993	8.9770e-04	GGGAGCWGAGG- ---RNCAGNTGG	
HEN1_M00068	1.1510e-03	-----CCTCWGCTCCC--- NNGGNCNCAGCTGNGNCNNN	
MAZ_M00649	1.2145e-03	CCTCWGCTCCC ----CCCTCCC	
ZBRK1_M01105	1.2398e-03	---CCTCWGCTCCC AAANNCTGCKSCC	
HEB_M00698	1.9421e-03	GGGAGCWGAGG --CAGCWGG--	
COUPTF_M01036	2.1765e-03	----GGGAGCWGAGG----- NKNNRNGKNNAAAGGTCANNNN	

M47



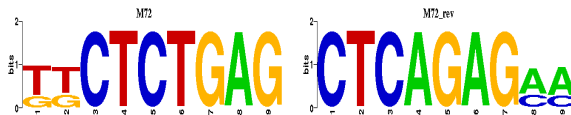
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
E12_M00693	5.4080e-08	CGGCCYCTGC NNNCACCTGY	
COUPTF_M01036	4.6459e-05	-GCAGRGGCCG----- NKNNRNGKNNAAAGGTCANNN	
KROX_M00982	2.0909e-04	---GCAGRGGCCG GNNNGGGGGGCGG	
Eve_M00629	2.4387e-04	CGGCCYCTGC -NWSSNCNGC	
Muscle_M00323	4.0254e-04	CGGCCYCTGC----- -KSCNSTGNRTGGNGNCNNN	
HNF4_M01031	1.0607e-03	-CGGCCYCTGC-- NTGRMCTTTGNNC	
HNF4alpha1_M00411	2.9222e-03	---GCAGRGGCCG- RGGNCAAAGGTCAN	
STRE_M00308	3.3324e-03	CGGCCYCTGC --NCCCCT--	
UF1H3BETA_M01068	3.5408e-03	CGGCCYCTGC----- --GCCCTCCCCRC	
HSF_M00641	3.7570e-03	-CGGCCYCTGC- GAARCYNCKNGA	

M54



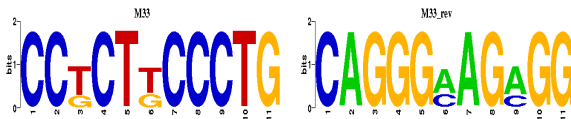
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HSF_M00641	5.2541e-04	CAGGCCTCTG-- GAARCYNCKNGA	
ZBRK1_M01105	1.7517e-03	-----CAGGCCTCTG GGSMGCAGNNNTTT-	
E12_M00693	2.4578e-03	CAGGCCTCTG- -NNNCACCTGY	
Ttk_M00009	4.4109e-03	-CAGGCCTCTG GCAGGAC----	
XPF-1_M00684	5.6002e-03	CAGGCCTCTG -GKTSNYCNG	
Pax-5_M00144	7.0506e-03	-----CAGGCCTCTG-- NNNRYNGTYMCGCTYNANNNNNNCNNNY	
HNF4_M00764	8.1145e-03	----CAGAGGCCTG NGGNCAAAGKTC--	
p53_M00272	9.7908e-03	CAGAGGCCTG-- ---RGRCAWGYC	
Eve_M00629	9.9953e-03	-CAGGCCTCTG GCNGNSSWN--	
AP-2alphaA_M01047	1.0120e-02	-----CAGAGGCCTG ANMGCCTNAGGCKN-	




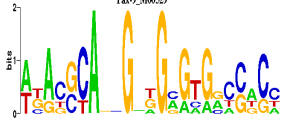
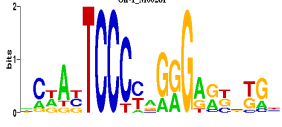





M72



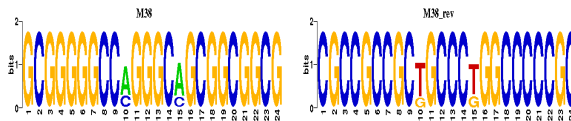
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CDC5_M00361	4.1505e-04	TTCTCTGAG- NSCGCTGAGS	
AP-1_M00173	1.9858e-03	TTCTCTGAG---- ---WKNAGTCAN	
Dde_M00304	2.1442e-03	TTCTCTGAG- --GGCTGAGC	
STE11_M01005	2.4070e-03	-TTCTCTGAG- TTTCTTTGTTT	
TCF-4_M00671	2.5596e-03	CTCAGAGAA WTCAAAG--	
Alx-4_M00619	3.4955e-03	-----TTCTCTGAG GATTATTCTCAG--	
GAGA_M00723	3.5950e-03	---TTCTCTGAG TYNCKCTCWS--	
Sry-beta_M00666	4.8854e-03	CTCAGAGAA-- ---AGWGATGC	
NRSE_M00325	4.9606e-03	----TTCTCTGAG----- GGCRCTCTCCGNGGTGCTGA	
GATA-1_M00346	5.1030e-03	--TTCTCTGAG NNTTATCANN--	

M33



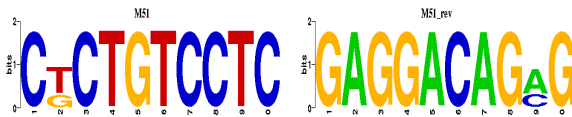
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Nrf-2_M00108	1.5119e-05	CAGGGAAGAGG -CCGGAAGNS-	
MAF_M00648	1.2067e-04	---CCTCTTCCCTG- NSNMMACTTCCYYCN	
STAT1_M00224	4.4738e-04	--CCTCTTCCCTG----- NSNCANTTCCCGGAANNNNN	
Pax-9_M00329	5.6882e-04	-----CCTCTTCCCTG----- NGNSNNCNCNCNNCNNTGSNTNW	
Olf-1_M00261	1.4152e-03	-----CAGGGAAGAGG- NCNANTCCCYGGGARNNKGN	
YY1_M00069	1.4353e-03	--CAGGGAAGAGG----- WNSANCAAGATGGCNGNN	
COUPTF_M01036	2.1363e-03	----CAGGGAAGAGG----- NKNNRNGKNNAAGGTCANNNN	
TFII-I_M00706	2.2618e-03	CAGGGAAGAGG GANGKAGG---	
HNF4alpha1_M00411	2.4993e-03	----CCTCTTCCCTG NTGACCTTTGNCCY-	
PU.1_M00658	2.9048e-03	CCTCTTCCCTG ---CTTCTC-	


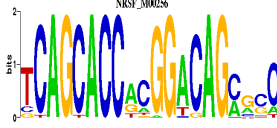



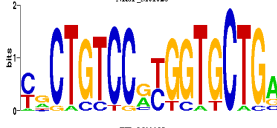

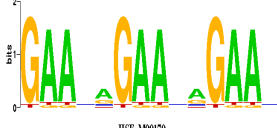
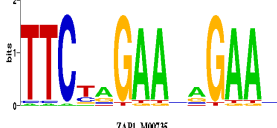

M38



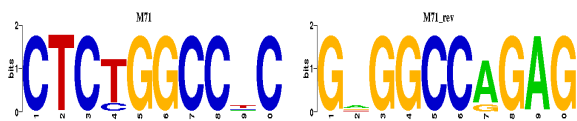
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Adf-1_M00171	4.5095e-08	GCGGGGGCCAGGGCAGCGGCGGCG -----NMNGCNRCRGRGCG	
Adf-1_M00923	6.1122e-07	---CGCCGCGCTGCCCTGGCCCCGCG SGCYGCMGYCGCTGMMNKYG-----	
ERF2_M01057	1.1606e-06	GCGGGGGCCAGGGCAGCGGCGGCG -----GCGGCG-	
KROX_M00982	1.4538e-06	GCGGGGGCCAGGGCAGCGGCGGCG -----GNNGNNGGGGCGG--	
SZF1-1_M01109	1.6167e-04	CGCCGCGCTGCCCTGGCCCCGCG --CNGCTGWTACCCTG-----	
ETF_M00695	1.6707e-04	CGCCGCGCTGCCCTGGCCCCGCG --CCGCCN-----	
bZIP911_M00358	3.9137e-04	GCGGGGGCCAGGGCAGCGGCGGCG ----GGCCACGTCA-----	
Bel-1_M00312	7.5545e-04	GCGGGGGCCAGGGCAGCGGCGGCG--- KNGRNAGTNMNCKCWGYRTCAGCAGNT	
Pax-5_M00143	1.0038e-03	----CGCCGCGCTGCCCTGGCCCCGCG NNNSYSGCYMYNCWNCNNTGMNYNNNG-	
ZBRK1_M01105	1.0660e-03	GCGGGGGCCAGGGCAGCGGCGGCG -----AAANNCTGCKSC---	

M51



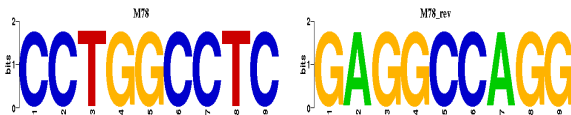
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GAL4_M00198	1.4876e-06	-----GAGGACAGAG----- NGYTTCGNNNANAGNNNNCCG	
NRSF_M00256	2.8788e-06	-----GAGGACAGAG-- TCAGCACCACGGACAGCRSC	
GAL4_M00049	5.1939e-06	-----CTCTGTCCTC----- NNCGGNNNACWNTNSTCCGAAS	
SMAD3_M00701	3.1615e-05	CTCTGTCCTC GTCTGNCT--	
T3R_M00963	5.7999e-05	GAGGACAGAG NAGGWCAN--	
NRSF_M01028	1.2536e-04	-----GAGGACAGAG TCAGCACCRYGGACAGNR	
ZID_M00085	3.8313e-04	GAGGACAGAG-- GRTGATRGAGCC	
HSF_M00167	4.4837e-04	-CTCTGTCCTC--- NTTCNNTTCNNTTC	
HSF_M00170	4.4837e-04	-CTCTGTCCTC--- NTTCNNTTCNNGAA	
ZAP1_M00735	5.4123e-04	-CTCTGTCCTC RCTCGGTCA--	

M71



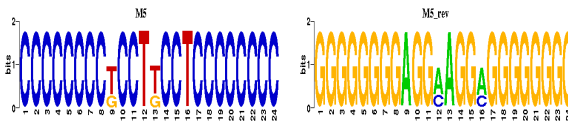
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
COUPTF_M01036	7.1428e-05	-----CTCTGGCCNC----- NNNNTGACCTTTNMCNYYNNMN	
BRK_M01096	7.8395e-05	CTCTGGCCNC --NTGGCG--	
Poly_M00211	2.5266e-04	GNGGCCAGAG GAGACCAC--	
PPARgamma-RXRalpha_M00512	2.6190e-04	-----CTCTGGCCNC----- NNNNTGACCTTTGACCYCNN	
PPARalpha-RXRalpha_M00242	4.2524e-04	-----GNGGCCAGAG----- WRAWCTAGGNCAAAGGTCA	
ATF1_M00691	6.8702e-04	-GNGGCCAGAG TGACGTCANR-	
COUP_M00765	2.4415e-03	GNGGCCAGAG--- -GGGNCAAAGGTC	
HNF4_M01031	2.4504e-03	-----CTCTGGCCNC----- NTGRMCTTTGNNC--	
GAL4_M00049	3.0668e-03	-----GNGGCCAGAG----- STTCGGASNANWGTNNNCCGNN	
HNF4_M01033	3.5384e-03	CTCTGGCCNC ---TGNNC--	

M78



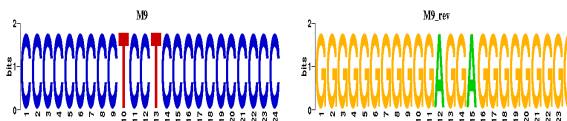
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BRK_M01096	4.6310e-05	CCTGGCCTC -NTGGCG--	
Poly_M00211	9.0048e-05	GAGGCCAGG GAGACCAC-	
PacC_M00247	2.1321e-04	-----CCTGGCCTC NNNNNNKCYTGCCNGN	
ATF4_M00514	7.9103e-04	CCTGGCCTC-- NNTKRCGTCAN	
bZIP911_M00358	8.8448e-04	GAGGCCAGG---- --GGCCACGTCA Y	
PPARalpha-RXRalpha_M00518	1.1809e-03	-----GAGGCCAGG NNGGTCATNGGGGTSANG	
v-ErbA_M00239	1.7400e-03	---CCTGGCCTC--- NNSNGTGACCTYANN	
HNF4_M01033	2.1657e-03	CCTGGCCTC --TGNNC--	
NF-muE1_M00651	2.2140e-03	-CCTGGCCTC AGATGGCC--	
GAL4_M00049	2.9070e-03	-----CCTGGCCTC----- NNCGNNNACWNTNSTCCGAAS	




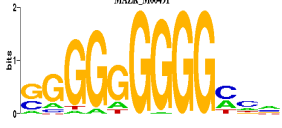


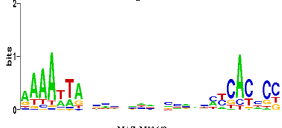

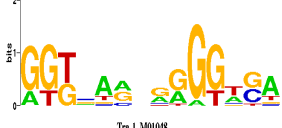

M5



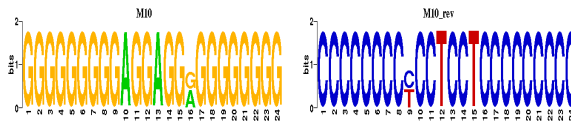
<i>Name</i>	<i>E value</i>	<i>forward</i> <i>reverse compliment</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	1.8831e-07	CCCCCCCCTCCTTCCTCCCCCCCC -----CTTCCT-----		
ZNF219_M01122	4.1536e-07	GGGGGGGGAGGAAGGAGGGGGGGG -GGNGGGGGGN-----		
Pax-4_M00380	4.1991e-06	-----CCCCCCCCTCCTTCCTCCCCCCCC NAAAWTANNNNNNNNNNNNNNNNNACACNCN--		
KROX_M00982	1.8568e-05	GGGGGGGGAGGAAGGAGGGGGGGG -----GNNNGGGGGGCGG		
MAZR_M00491	1.9674e-05	-GGGGGGGGAGGAAGGAGGGGGGGG SGGGGGGGGMNN-----		
TFII-I_M00706	2.1301e-05	CCCCCCCCTCCTTCCTCCCCCCCC -----CCTMCNTC----		
NERF1a_M00531	2.8061e-05	CCCCCCCCTCCTTCCTCCCCCCCC --SNNASNYRCTTCCTGNY-----		
HOXA5_M00023	3.9181e-05	GGGGGGGGAGGAAGGAGGGGGGGG----- NGRNNNNNNNNNANTAAATGRNGNNNNNNNGC		
UF1H3BETA_M01068	5.7697e-05	CCCCCCCCTCCTTCCTCCCCCCCC -----GCCCTCCCCRC-----		
GCR1_M00046	6.2987e-05	CCCCCCCCTCCTTCCTCCCCCCCC -----GCTTCCWC-----		

M9



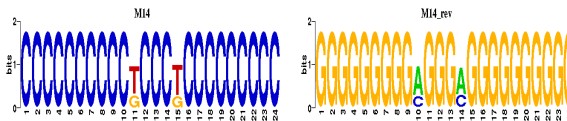
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	1.3895e-10	GGGGGGGGGGGAGGAGGGGGGGGG GGNGGGGGGN-----	
KROX_M00982	2.1546e-09	GGGGGGGGGGGAGGAGGGGGGGGG -GNNNGGGGGCG-----	
AtMYB-84_M00970	5.8527e-08	CCCCCCCCCTCCTCCCCCCCCCCC -----SCACCTACCNC-----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




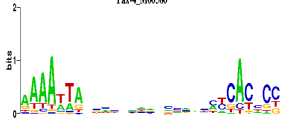
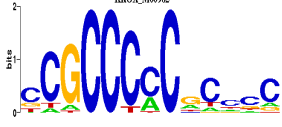





M10



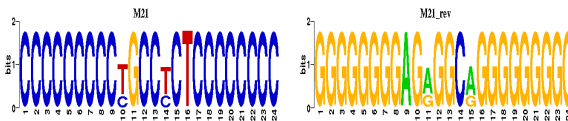
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	6.6346e-09	GGGGGGGGGAGGAGGRGGGGGGGG- -----GGNGGGGGGGN	
AtMYB-84_M00970	5.8527e-08	CCCCCCCCYCCTCCTCCCCCCCCCC -----SCACCTACCNC-----	
MAZR_M00491	1.4729e-07	GGGGGGGGGAGGAGGRGGGGGGGG SGGGGGGGGMNN-----	
KROX_M00982	1.2420e-06	-GGGGGGGGGAGGAGGRGGGGGGGG GNNNGGGGGGCG-----	
UF1H3BETA_M01068	1.7590e-06	CCCCCCCCYCCTCCTCCCCCCCCCC -----GCCCTCCCCRC-----	
TFII-I_M00706	2.1301e-05	CCCCCCCCYCCTCCTCCCCCCCCCC -----CCTMCNTC-----	
MAZ_M00649	6.4065e-05	CCCCCCCCYCCTCCTCCCCCCCCCC -----CCCTCC-----	
Pax-4_M00380	2.0719e-04	-----CCCCCCCCYCCTCCTCCCCCCCCCC NAAAWTANNNNNNNNNNNNNNNNNNCACNCN---	
CAC-binding_M00720	3.3441e-04	GGGGGGGGGAGGAGGRGGGGGGGG -----RGGSTGGG-----	
Tra-1_M01048	4.7281e-04	CCCCCCCCYCCTCCTCCCCCCCCCC -----ACCWCC-----	

M14



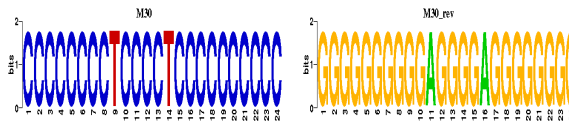
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	1.3895e-10	GGGGGGGGGAGGGAGGGGGGGGGG- -----GGNGGGGGGGN	
MAZR_M00491	1.3791e-08	GGGGGGGGGAGGGAGGGGGGGGGG SGGGGGGGGMNN-----	
MAZ_M00649	3.3345e-08	CCCCCCCCCTCCCTCCCCCCCCC -----CCCTCC-----	
Pax-4_M00380	4.3303e-08	-----CCCCCCCCCTCCCTCCCCCCCCC NAAAWTANNNNNNNNNNNNNNNNNNCACNCN	
KROX_M00982	5.1287e-08	GGGGGGGGGAGGGAGGGGGGGGGG -----GNNNGGGGGGCGG--	
TFII-I_M00706	6.4122e-08	CCCCCCCCCTCCCTCCCCCCCCC -----CCTMCNTC-----	
UF1H3BETA_M01068	6.9171e-07	GGGGGGGGGAGGGAGGGGGGGGGG --GYGGGGGAGGGGC-----	
Sp1_M00931	4.7390e-06	CCCCCCCCCTCCCTCCCCCCCCC -----NCCCCGCC-----	
Sp1_M00933	5.0393e-06	CCCCCCCCCTCCCTCCCCCCCCC -----CCCKCCCN-----	
RREB-1_M00257	3.9463e-05	GGGGGGGGGAGGGAGGGGGGGGGG GGGGTGGTTTGGG-----	






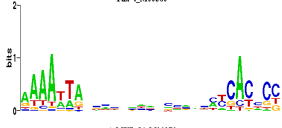

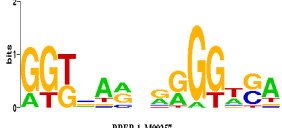


M21



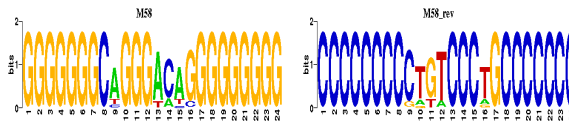
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	1.1855e-10	CCCCCCCCCTGCCTCTCCCCCCCC -----GCCCCTCCCCRC-	
KROX_M00982	3.2922e-08	GGGGGGGAGAGGCAGGGGGGGGG -----GNNNGGGGGCGG--	
ZNF219_M01122	4.7404e-08	CCCCCCCCCTGCCTCTCCCCCCCC --NCCCCCNCCC-----	
MAZR_M00491	4.5097e-07	GGGGGGGAGAGGCAGGGGGGGGG-- -----SGGGGGGGMNN	
MAZ_M00649	6.2213e-06	CCCCCCCCCTGCCTCTCCCCCCCC -----CCCTCC-----	
TFII-I_M00706	1.8428e-04	GGGGGGGAGAGGCAGGGGGGGGG -----GANGKAGG-----	
VDR_M00444	2.0735e-04	CCCCCCCCCTGCCTCTCCCCCCCC TSWCCYNYNTMCC-----	
AtMYB-84_M00970	2.9370e-04	GGGGGGGAGAGGCAGGGGGGGGG --GGNGGTAGGTGS-----	
CAC-binding_M00720	3.0081e-04	GGGGGGGAGAGGCAGGGGGGGGG -----RGGSTGGG-----	
Alfin1_M00479	4.5026e-04	---CCCCCCCCCTGCCTCTCCCCCCCC MNNCCCCACNYYN-----	





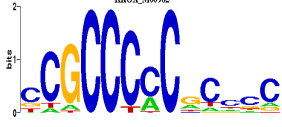





M30



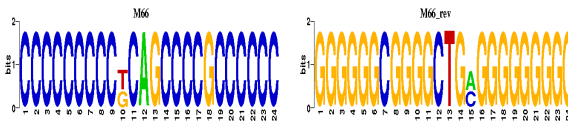
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	1.3895e-10	GGGGGGGGGGAGGGGAGGGGGGGG GGNGGGGGGN-----	
UF1H3BETA_M01068	2.7773e-10	CCCCCCCCCTCCCCTCCCCCCCCCC -----GCCCTCCCCRC---	
KROX_M00982	1.2332e-09	GGGGGGGGGGAGGGGAGGGGGGGG -----GNNGNGGGGGCGG	
MAZ_M00649	3.2502e-08	CCCCCCCCCTCCCCTCCCCCCCCCC -----CCCTCC-----	
MAZR_M00491	1.4729e-07	GGGGGGGGGGAGGGGAGGGGGGGG -SGGGGGGGMNN-----	
Pax-4_M00380	4.8666e-06	-----CCCCCCCCCTCCCCTCCCCCCCCCC NAAAWTANNNNNNNNNNNNNNNNNNCACNCN-	
AtMYB-84_M00970	1.0803e-05	GGGGGGGGGGAGGGGAGGGGGGGG ----GGNGGTAGGTGS-----	
VDR_M00444	1.4092e-05	-CCCCCCCCCTCCCCTCCCCCCCCCC TSWCCYYNYTNMCC-----	
RREB-1_M00257	1.7614e-05	GGGGGGGGGGAGGGGAGGGGGGGG -GGGTGGTTTGGG-----	
TFII-I_M00706	2.1301e-05	CCCCCCCCCTCCCCTCCCCCCCCCC -----CCTMCNTC-----	







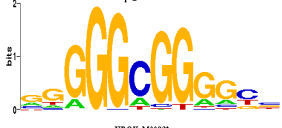



M58



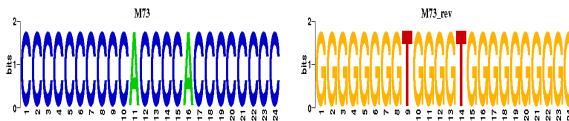
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	2.3516e-07	GGGGGGGCAGGGACAGGGGGGGGG-- -----GGNGGGGGGGN	
MAZR_M00491	3.3208e-07	GGGGGGGCAGGGACAGGGGGGGGG--- -----SGGGGGGGGMNN	
BLIMP1_M01066	3.4596e-06	CCCCCCCCCTGTCCCTGCCCCCCCC -----YMCTTTCMCTTYC-----	
UF1H3BETA_M01068	1.1954e-05	GGGGGGGCAGGGACAGGGGGGGGG -GYGGGGGAGGGGC-----	
KROX_M00982	1.3326e-05	CCCCCCCCCTGTCCCTGCCCCCCCC --CCGCCCCNCNNC-----	
Sp3_M00665	1.9156e-04	CCCCCCCCCTGTCCCTGCCCCCCCC CCCYSCCAAGKS-----	
AtMYB-84_M00970	2.8165e-04	GGGGGGGCAGGGACAGGGGGGGGG --GGNGGTAGGTGS-----	
MAZ_M00649	2.9405e-04	CCCCCCCCCTGTCCCTGCCCCCCCC -----CCCTCC-----	
Sp1_M00931	4.0033e-04	CCCCCCCCCTGTCCCTGCCCCCCCC -----NCCCCGCC-----	
Sp1_M00196	5.3882e-04	CCCCCCCCCTGTCCCTGCCCCCCCC -----NNCCCCGCCCN---	



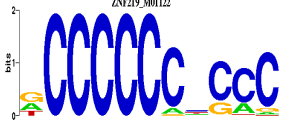

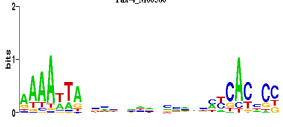





M66



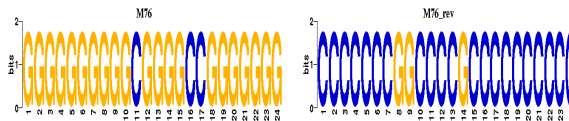
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	2.3093e-08	GGGGGGCGGGGCTGMGGGGGGGGG -GGNGGGGGGN-----	
GC_M00255	2.7312e-08	GGGGGGCGGGGCTGMGGGGGGGGG -NNGGGCGGGGCNN-----	
Sp1_M00931	4.0246e-08	CCCCCCCCCKCAGCCCCGCCCCC -----NCCCCGCC-----	
Sp1_M00933	6.7910e-08	CCCCCCCCCKCAGCCCCGCCCCC -----CCCKCCCCN-----	
Alfin1_M00479	7.0358e-08	CCCCCCCCCKCAGCCCCGCCCCC -----MNNCCCCACNYYN-----	
UF1H3BETA_M01068	8.1295e-08	CCCCCCCCCKCAGCCCCGCCCCC -----GCCCTCCCCRC-----	
Sp1_M00196	2.2522e-07	CCCCCCCCCKCAGCCCCGCCCCC -----NNCCCCGCCCN-----	
KROX_M00982	2.9989e-07	CCCCCCCCCKCAGCCCCGCCCCC -----CCGCCCCNCNNC-----	
MAZR_M00491	4.5097e-07	GGGGGGCGGGGCTGMGGGGGGGGG -----SGGGGGGGMNN-----	
ABI4_M00958	1.0211e-05	GGGGGGCGGGGCTGMGGGGGGGGG ---GGCGGTGCN-----	

M73

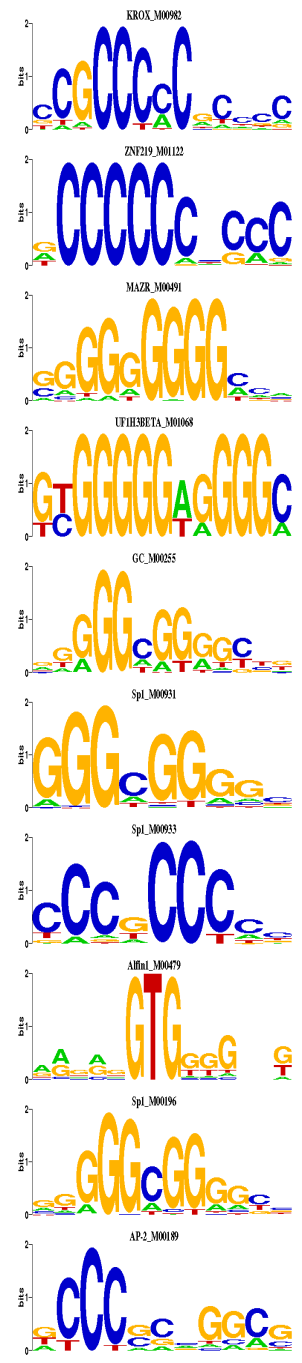


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	4.4309e-11	GGGGGGGGTGGGGTGGGGGGGGGG -----GNNNGGGGGGCG--	
RREB-1_M00257	8.2466e-11	GGGGGGGGTGGGGTGGGGGGGGGG ----GGGGTGGTTTGGG-----	
ZNF219_M01122	1.3895e-10	GGGGGGGGTGGGGTGGGGGGGGGG-- -----GGNGGGGGGGN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

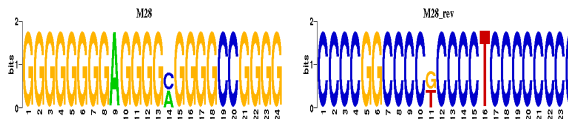
M76







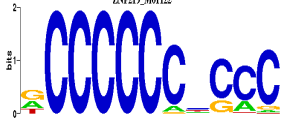



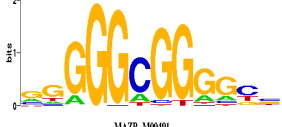

	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
KROX_M00982	1.4322e-14	GGGGGGGGGCGGGGCCGGGGGGG -----GNNNGGGGGGCGG-----
ZNF219_M01122	4.0523e-13	GGGGGGGGGCGGGGCCGGGGGGG GGGNGGGGGGN-----
MAZR_M00491	1.9170e-09	GGGGGGGGGCGGGGCCGGGGGGG -SGGGGGGGMNN-----
UF1H3BETA_M01068	6.2385e-09	GGGGGGGGGCGGGGCCGGGGGGG ---GYGGGGAGGGGC-----
GC_M00255	2.7312e-08	GGGGGGGGGCGGGGCCGGGGGGG -----NNGGGCGGGCCNN-----
Sp1_M00931	4.0246e-08	CCCCCGGCCCGCCCCCCCCC -----NCCCCGCC-----
Sp1_M00933	6.7910e-08	CCCCCGGCCCGCCCCCCCCC -----CCCKCCCN-----
Alfn1_M00479	7.0358e-08	CCCCCGGCCCGCCCCCCCCC -----MNNCCCCACNYNYN-----
Sp1_M00196	2.2522e-07	CCCCCGGCCCGCCCCCCCCC -----NNCCCCGCCCN-----
AP-2_M00189	7.1923e-06	GGGGGGGGGCGGGGCCGGGGGGG -----CGCCNGSGGN-----



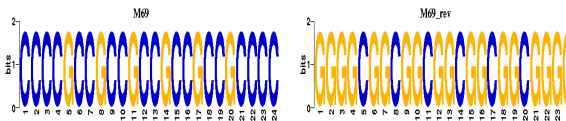
M28



forward *reverse compliment*

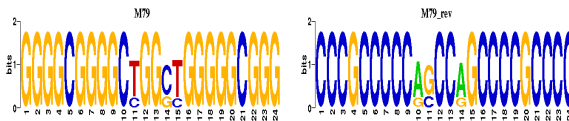
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	4.3843e-13	CCCCGGCCCCCKCCCCTCCCCCCCC -----GCCCCTCCCCRC--	
KROX_M00982	7.4141e-13	GGGGGGGAGGGGMGGGGCCGGGG -----GNNGNGGGGGCGG--	
MAZ_M00649	3.2502e-08	CCCCGGCCCCCKCCCCTCCCCCCCC -----CCCTCC-----	
Alfin1_M00479	5.6210e-08	CCCCGGCCCCCKCCCCTCCCCCCCC ---MNNCCCCACNYNYN-----	
ZNF219_M01122	6.1627e-08	GGGGGGGAGGGGMGGGGCCGGGG ---GGNGGGGGGN-----	
GC_M00255	1.1323e-07	GGGGGGGAGGGGMGGGGCCGGGG -----NNGGGCGGGGCNN---	
Sp1_M00933	2.3766e-07	CCCCGGCCCCCKCCCCTCCCCCCCC -----CCCKCCCN-----	
Sp1_M00931	2.8853e-07	CCCCGGCCCCCKCCCCTCCCCCCCC -----NCCCCGCC-----	
Sp1_M00196	9.6290e-07	CCCCGGCCCCCKCCCCTCCCCCCCC -----NNCCCCGCCCN-----	
MAZR_M00491	2.7403e-06	GGGGGGGAGGGGMGGGGCCGGGG ----SGGGGGGGMNN-----	

M69



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Adf-1_M00171	7.7716e-16	GGGGCGGCGGCGGCGGCGGCGGGG ---NMNGCNRRCRGRGCG-----	
KROX_M00982	2.0095e-14	GGGGCGGCGGCGGCGGCGGCGGGG GNNNGGGGGGCGG-----	
Adf-1_M00923	1.4089e-13	GGGGCGGCGGCGGCGGCGGCGGGG -CRMNKKCAGCGRCKGCRGCS---	
ERF2_M01057	1.1606e-06	GGGGCGGCGGCGGCGGCGGCGGGG --GCGGC-----	
AP-2_M00189	6.4669e-06	CCCCGCCGCCGCCGCCGCCGCC NCCSCNGGCG-----	
UF1H3BETA_M01068	1.3724e-05	-CCCCGCCGCCGCCGCCGCCGCC GCCCTCCCCRC-----	
Sp1_M00931	3.2428e-05	-CCCCGCCGCCGCCGCCGCCGCC NCCCCGCC-----	
Sp1_M00933	4.7035e-05	-GGGGCGGCGGCGGCGGCGGGG NGGGMGG-----	
ZNF219_M01122	8.5890e-05	GGGGCGGCGGCGGCGGCGGGG GGNGGGGGN-----	
Sp1_M00008	1.2356e-04	-CCCCGCCGCCGCCGCCGCCGCC WCCYGYCCY-----	

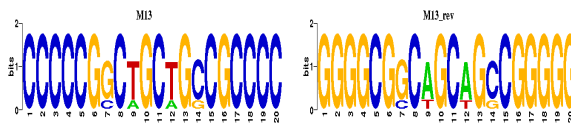
M79






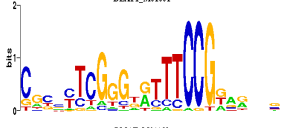

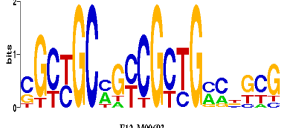




forward *reverse compliment*

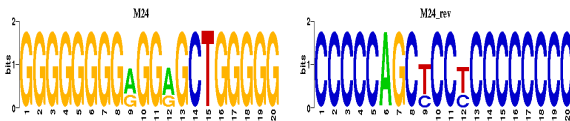
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	4.7346e-11	GGGGCGGGGCTGGCTGGGGGCGGG GNNNGGGGGGCGG-----	
Egr_M00807	1.9982e-08	CCCGCCCCAGCCAGCCCCGCCCC NYYGCSCCA-----	
GC_M00255	2.7312e-08	-GGGGCGGGGCTGGCTGGGGGCGGG NNGGGCGGGGCNN-----	
Sp1_M00931	4.0246e-08	CCCGCCCCAGCCAGCCCCGCCCC -----NCCCCGCC-	
Sp1_M00933	6.7910e-08	-CCCGCCCCAGCCAGCCCCGCCCC C-CKCCCCN-----	
Sp1_M00196	2.2522e-07	CCCGCCCCAGCCAGCCCCGCCCC- -----NNCCCCGCCCN	
Alfin1_M00479	2.4189e-07	CCCGCCCCAGCCAGCCCCGCCCC-- -----MNNCCCCACNYNYN	
ABI4_M00958	1.0211e-05	GGGGCGGGGCTGGCTGGGGGCGGG -GGGCGGTGCN-----	
ZNF219_M01122	1.3537e-05	-GGGGCGGGGCTGGCTGGGGGCGGG GGGNGGGGGGN-----	
MAZR_M00491	2.0086e-05	GGGGCGGGGCTGGCTGGGGGCGGG SGGGGGGGMNN-----	

M13



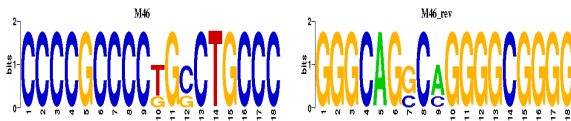
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Adf-1_M00171	9.4442e-09	GGGGCGGCAGCAGCCGGGGG NMNGCNRCRGRGCG-----	
ERF2_M01057	6.6723e-07	GGGGCGGCAGCAGCCGGGGG --GGCGGC-----	
KROX_M00982	8.7130e-06	CCCCGGCTGCTGCCGCCCC -----CCGCCCCCNCNC	
Sp1_M00933	3.2926e-05	-GGGGCGGCAGCAGCCGGGGG NGGGGMGG-----	
TAL1_M00993	3.9040e-05	GGGGCGGCAGCAGCCGGGGG -----RNCAGNTGG---	
DEAF1_M01001	7.8507e-05	--GGGGCGGCAGCAGCCGGGGG-- NNNNNNCGGAAAYNCCCGARNNG	
LMAF_M01139	8.5697e-05	CCCCGGCTGCTGCCGCCCC -----CTGCTGAS-----	
Adf-1_M00923	2.8286e-04	-----GGGGCGGCAGCAGCCGGGGG CRMNKKCAGCGRCKGCRGCS-----	
E12_M00693	4.0472e-04	CCCCGGCTGCTGCCGCCCC ----NNCACCTGY-----	
Egr_M00807	4.1047e-04	CCCCGGCTGCTGCCGCCCC-- -----NYYGCSCCA	





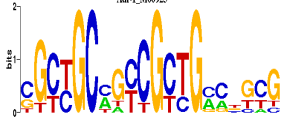





M24



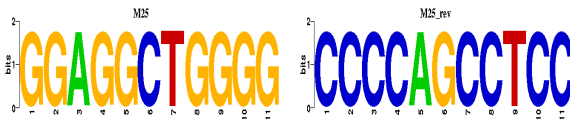
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	7.2349e-10	GGGGGGGGAGGAGCTGGGGG -GYGGGGGAGGGGC-----	
ZNF219_M01122	4.7755e-08	GGGGGGGGAGGAGCTGGGGG GGGNNGGGGGN-----	
AtMYB-84_M00970	7.9268e-06	CCCCCAGCTCCTCCCCCCCC ---SCACCTACCNC-----	
TAL1_M00993	8.6173e-06	CCCCCAGCTCCTCCCCCCCC ---CCANCTGNY-----	
MAZR_M00491	1.4899e-05	CCCCCAGCTCCTCCCCCCCC ----NNKCCCCCCCCS-----	
Alfin1_M00479	1.9507e-05	CCCCCAGCTCCTCCCCCCCC ----MNNCCCCACNYYN--	
KROX_M00982	2.3839e-05	CCCCCAGCTCCTCCCCCCCC ----CCGCCCCCNCNNC---	
TFII-I_M00706	3.0450e-05	CCCCCAGCTCCTCCCCCCCC -----CCTMCNTC---	
MAZ_M00649	8.4304e-05	CCCCCAGCTCCTCCCCCCCC -----CCCTCC-----	
Pax-4_M00380	9.7802e-05	GGGGGGGGAGGAGCTGGGGG----- NGNGTGNNNNNNNNNNNNNNNNNTAWTTN	



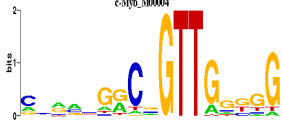


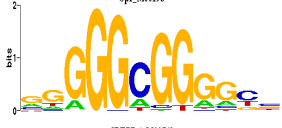




M46



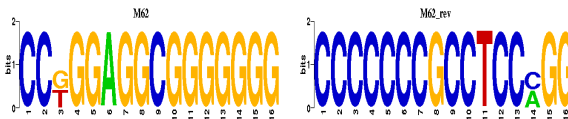
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Sp1_M00931	1.2461e-08	-CCCCGCCCCCTGCCTGCCC NCCCCGCCC-----	
Sp1_M00933	2.1190e-08	CCCCGCCCCCTGCCTGCCC -CCCKCCCCN-----	
Sp1_M00196	3.7763e-08	--CCCCGCCCCCTGCCTGCCC NNCCCCGCCCCN-----	
KROX_M00982	1.0538e-07	GGGCAGGCAGGGGCGGGG ---GNNGNNGGGGGCGG--	
Adf-1_M00923	1.2103e-07	GGGCAGGCAGGGGCGGGG--- -CRMNKKCAGCGRCKGCRGCS	
GC_M00255	1.4981e-06	---CCCCGCCCCCTGCCTGCCC NNGCCCCGCCCCNN-----	
NERF1a_M00531	1.3666e-05	GGGCAGGCAGGGGCGGGG -RNCAGGAAGYRNSTNNS	
Sp1_M00932	1.3905e-05	--CCCCGCCCCCTGCCTGCCC NNCCCCGCCCCNN-----	
UF1H3BETA_M01068	1.8029e-05	-CCCCGCCCCCTGCCTGCCC GCCCCTCCCCRC-----	
Sp1_M00008	4.6303e-05	-CCCCGCCCCCTGCCTGCCC WCCCYGCCY-----	











M25



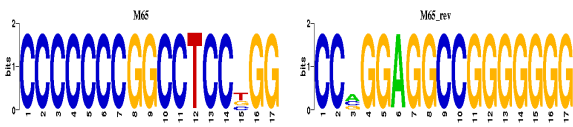
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CAC-binding_M00720	3.0003e-08	CCCCAGCCTCC -CCCASCCY--	
KROX_M00982	2.8515e-05	---CCCAGCCTCC CCGCCCCNCNNC-	
c-Myb_M00004	9.7126e-05	-----GGAGGCTGGGG- NNNNNGRCNGTGNNG	
Dde_M00304	3.2644e-04	GGAGGCTGGGG ---GGCTGAGC	
AP-2_M00915	3.3144e-04	GGAGGCTGGGG--- --NGCCNGNGGNNN	
Sp1_M00196	3.9306e-04	-CCCAGCCTCC NNCCCCGCCCN	
SREBP-1_M00749	4.8755e-04	GGAGGCTGGGG- -----TGGSGT	
UF1H3BETA_M01068	5.6863e-04	-CCCAGCCTCC- GCCCTCCCCRC	
Sp1_M00008	8.5050e-04	CCCAGCCTCC WCCYGCCY--	
Sp1_M00931	9.4087e-04	CCCAGCCTCC NCCCCGCC--	

M62



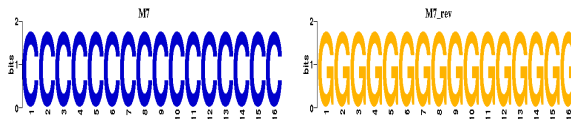
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	2.1546e-08	-CCCCCCCCGCTCCMGG NCCCCCNCCC-----	
KROX_M00982	5.7746e-08	CCKGGAGGCGGGGGGG-- ----GNNGNNGGGGGCGG	
Sp1_M00931	6.5111e-06	CCCCCCCCGCTCCMGG --NCCCCGCC-----	
Sp1_M00196	1.3994e-05	CCCCCCCCGCTCCMGG -NNCCCCGCCCN----	
Sp1_M00008	2.6883e-05	CCCCCCCCGCTCCMGG --WCCCYGCCY-----	
Sp1_M00933	2.8242e-05	CCCCCCCCGCTCCMGG ----CCKKCCCN----	
MAZR_M00491	5.4011e-05	CCKGGAGGCGGGGGGG--- -----SGGGGGGGGMNN	
GC_M00255	7.6800e-05	CCCCCCCCGCTCCMGG NNGCCCCGCCN----	
Alfin1_M00479	1.4491e-04	CCCCCCCCGCTCCMGG MNNCCCCACNYNYN--	
UF1H3BETA_M01068	1.9594e-04	-CCCCCCCCGCTCCMGG GCCCTCCCCRC-----	

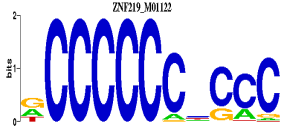









M65



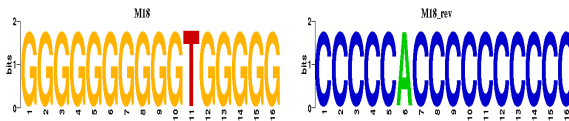
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	1.0512e-06	CCNGGAGGCCGGGGGGG ----GNNNGGGGGGCGG	
AP-2_M00189	1.4589e-06	CCNGGAGGCCGGGGGGG -----CGCCNGSGGGN	
Sp1_M00931	5.9914e-05	CCCCCCGGCCTCCNGG --NCCCCGCC-----	
ZNF219_M01122	1.2187e-04	CCNGGAGGCCGGGGGGG -----GGNGGGGGGN	
ETF_M00695	2.7461e-04	CCCCCCGGCCTCCNGG -----CCGCCN--	
MAZ_M00649	2.8547e-04	CCCCCCGGCCTCCNGG CCCTCC-----	
UAY_M00391	3.6353e-04	CCCCCCGGCCTCCNGG-- ----RTCgMNNNNKSCGN	
MAZR_M00491	4.1896e-04	CCNGGAGGCCGGGGGGG---- -----SGGGGGGGGMNN	
NERF1a_M00531	5.1504e-04	CCCCCCGGCCTCCNGG-- -SNNASNYRCTTCCTGNY	
Adf-1_M00171	5.5288e-04	CCNGGAGGCCGGGGGGG -NMNGCNRCRGCRGC-	










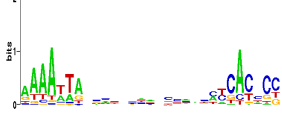
M7



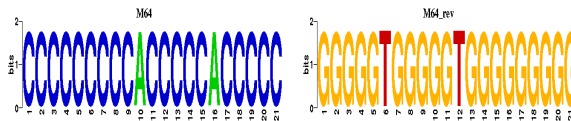
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	1.3967e-11	GGGGGGGGGGGGGGGGG GGGNGGGGGGN-----	
KROX_M00982	1.5182e-10	GGGGGGGGGGGGGGGGG GNNNGGGGGGCGG----	
MAZR_M00491	2.9574e-08	---GGGGGGGGGGGGGGGGG SGSGGGGGGGGMNN-----	
UF1H3BETA_M01068	1.7841e-07	-CCCCCCCCCCCCCCCC GCCCTCCCCRC-----	
RREB-1_M00257	1.5481e-06	GGGGGGGGGGGGGGGGG GGGGTGGTTTGGG----	
AtMYB-84_M00970	1.6632e-05	GGGGGGGGGGGGGGGGG GGNGGTAGGTGS-----	
Sp1_M00196	7.4514e-05	--CCCCCCCCCCCCCCCC NNCCCCGCCCN-----	
Sp1_M00931	1.1754e-04	-CCCCCCCCCCCCCCCC NCCCCGCC-----	
Alfin1_M00479	1.4491e-04	CCCCCCCCCCCCCCCC MNNCCCCACNYNYN--	
Sp1_M00933	2.1993e-04	-CCCCCCCCCCCCCCCC C-CCKCCCN-----	

M18



	<i>forward</i>	<i>reverse compliment</i>	
<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 -GGGTGGTTTGGG--	
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	

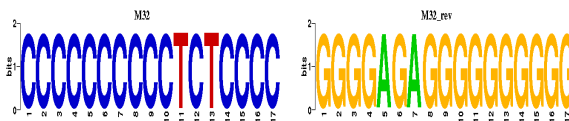
M64













forward *reverse compliment*

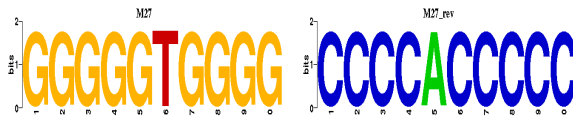
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	2.2147e-12	CCCCCCCCCACCACCCACCC ----GCCCTCCCCRC----	
KROX_M00982	1.0196e-11	GGGGTGGGGTGGGGGGGG -GNNNGGGGGCGG-----	
GBF_M00633	1.0563e-09	CCCCCCCCCACCACCCACCC -----NACCCNA-----	
Alfin1_M00479	1.5622e-09	CCCCCCCCCACCACCCACCC -----MNNCCCCACNYNYN	
AtMYB-84_M00970	3.4967e-08	CCCCCCCCCACCACCCACCC ---SCACCTACCNC-----	
ZNF219_M01122	6.1717e-08	GGGGTGGGGTGGGGGGGG -----GGNGGGGGGN--	
MAZR_M00491	2.0191e-07	GGGGTGGGGTGGGGGGGG--- -----SGGGGGGGMNN	
RREB-1_M00257	4.5017e-07	GGGGTGGGGTGGGGGGGG -----GGGTGGTTTGG--	
CAC-binding_M00720	9.8046e-07	GGGGTGGGGTGGGGGGGG -RGGSTGGG-----	
Pax-4_M00380	7.3488e-06	GGGGTGGGGTGGGGGGGG----- -NGNGTGNNNNNNNNNNNNTAWTTN	

M32

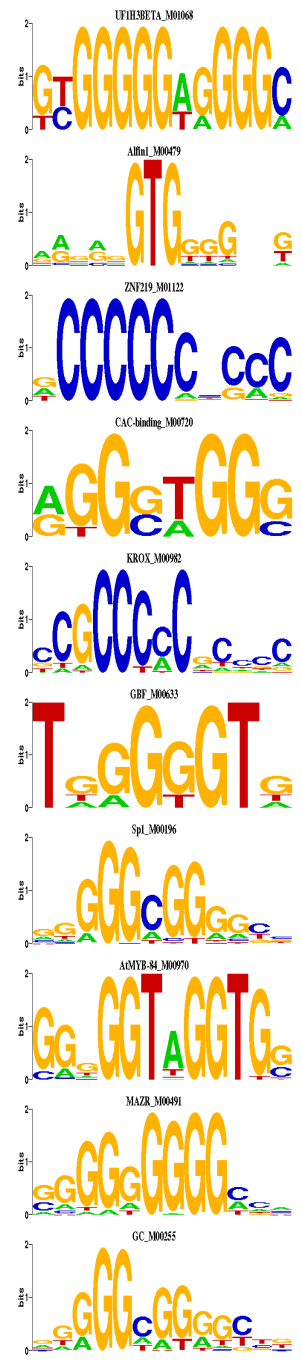


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	2.0015e-11	GGGGAGAGGGGGGGGGG-- -----GGGNGGGGGGN	
MAZR_M00491	5.2681e-08	-GGGGAGAGGGGGGGGGG-- S-----SGGGGGGGGMNN	
UF1H3BETA_M01068	3.6269e-07	-CCCCCCCCCTCTCCCC GCCCTCCCCRC-----	
KROX_M00982	5.8916e-07	CCCCCCCCCTCTCCCC --CCGCCCCNCNNC--	
AtMYB-84_M00970	1.9859e-05	GGGGAGAGGGGGGGGGG GGNGGTAGGTGS-----	
TFII-I_M00706	3.6814e-05	CCCCCCCCCTCTCCCC ----CCTMCNTC-----	
MAZ_M00649	6.2178e-05	CCCCCCCCCTCTCCCC -----CCCTCCC-	
Alfin1_M00479	6.5339e-05	CCCCCCCCCTCTCCCC MNNCCCCACNYYN---	
Sp1_M00196	1.1107e-04	--CCCCCCCCCTCTCCCC NNCCCCGCCCN-----	
Sp1_M00931	1.4515e-04	-CCCCCCCCCTCTCCCC NCCCCGCC-----	

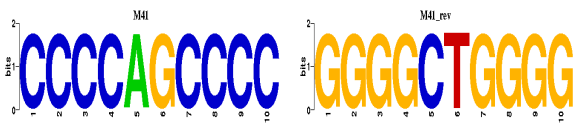
M27



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
UF1H3BETA_M01068	8.6375e-13	-CCCCACCCCC-- GCCCTCCCCRC
Alfin1_M00479	1.9419e-11	---CCCCACCCCC- MNNCCCCACNYNYN
ZNF219_M01122	3.8977e-10	GGGGGTGGGG- GGNGGGGGGN
CAC-binding_M00720	1.1502e-08	GGGGGTGGGG -RGGSTGGG-
KROX_M00982	2.5379e-08	----CCCCACCCCC CCGCCCCNCNNC-
GBF_M00633	4.2515e-08	CCCCACCCCC- ---NACCCNA
Sp1_M00196	9.2244e-08	--CCCCACCCCC NNCCCCGCCCN
AtMYB-84_M00970	1.5022e-07	GGGGGTGGGG-- GGNGGTAGGTGS
MAZR_M00491	1.5866e-07	GGGGGTGGGG--- -SGGGGGGGMNN
GC_M00255	3.0418e-07	---CCCCACCCCC NNGCCCCGCCNN

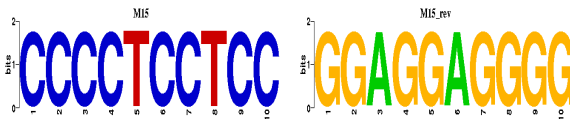


M41



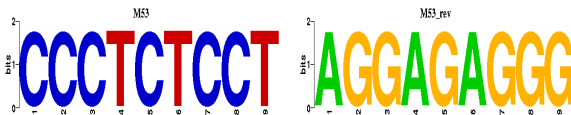
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	3.3963e-10	GGGGCTGGGG--- GNNNGGGGGGCGG	
UF1H3BETA_M01068	5.1434e-08	-CCCCAGCCCC-- GCCCCGCCCCRC	
Sp1_M00196	1.2055e-07	-CCCCAGCCCC- NNCCCCGCCCCN	
CAC-binding_M00720	1.5114e-07	GGGGCTGGGG -RGGSTGGG-	
Alfin1_M00479	5.3739e-07	---CCCCAGCCCC- MNNCCCCACNYYN	
Sp1_M00931	1.4496e-06	CCCCAGCCCC NCCCCGCC-	
GC_M00255	1.9040e-06	--CCCCAGCCCC- NNGCCCCGCCNN	
Sp1_M00933	2.1528e-06	-GGGGCTGGGG NGGGGMGG--	
ZNF219_M01122	6.1548e-06	GGGGCTGGGG- GGNGGGGGGN	
Sp1_M00932	4.8380e-05	-CCCCAGCCCC- NNCCCCGCCCN	



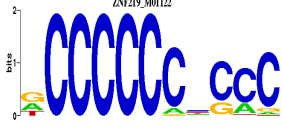


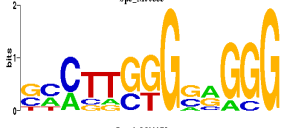



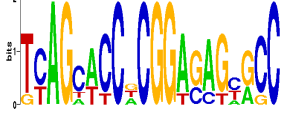
M15



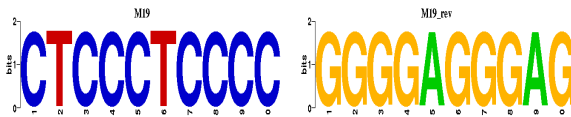
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	2.3808e-10	-CCCCTCCTCC-- GCCCTCCCCRC	
Alfin1_M00479	5.3739e-07	---CCCCTCCTCC- MNNCCCCACNYNYN	
ZNF219_M01122	1.2696e-06	-GGAGGAGGGG GGNGGGGGGN	
MAZ_M00649	1.6668e-06	CCCCTCCTCC -CCCTCCC--	
PU.1_M00658	3.1639e-05	GGAGGAGGGG -GAGGAAG--	
Sp1_M00196	3.6825e-05	--CCCCTCCTCC NNCCCCGCCCN	
STRE_M00308	6.7282e-05	-CCCCTCCTCC NCCCCT-----	
GC_M00255	7.4343e-05	---CCCCTCCTCC NNGCCCCGCCCN	
MAZR_M00491	1.0993e-04	GGAGGAGGGG--- -SGGGGGGGGMNN	
Sp1_M00931	2.0297e-04	-CCCCTCCTCC NCCCCGCC--	





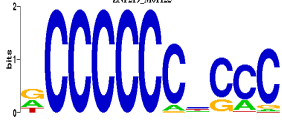
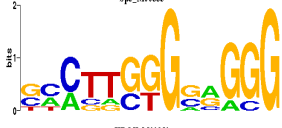


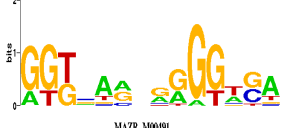

M53



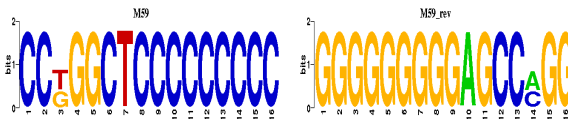
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAZ_M00649	1.0678e-05	CCCTCTCCT CCCTCCC--	
UF1H3BETA_M01068	3.0630e-05	--CCCTCTCCT-- GCCCTCCCCRC	
ZNF219_M01122	1.0456e-04	AGGAGAGGG-- GGNGGGGGGN	
TAL1_M00993	1.9261e-04	AGGAGAGGG RNCAGNTGG	
Sp1_M00933	3.3315e-04	AGGAGAGGG NGGGGMGG	
Sp3_M00665	6.2699e-04	CCCTCTCCT---- CCCYSCCAAGKS	
Lmo2_M00278	1.8491e-03	CCCTCTCCT CSNTATCK-	
LXR_M00965	2.4023e-03	-----AGGAGAGGG- NRGGTYANNNAGGNC	
Sp1_M00196	3.0761e-03	---CCCTCTCCT NNCCCCGCCCN	
NRSE_M00325	3.5315e-03	--CCCTCTCCT----- GGCRCTCTCCGNGGTGCTGA	

M19



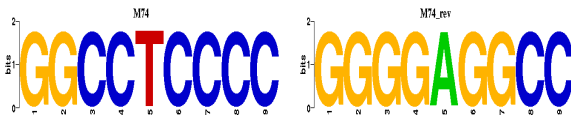
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAZ_M00649	3.6118e-10	CTCCCTCCCC --CCCTCCC-	
UF1H3BETA_M01068	4.1584e-08	CTCCCTCCCC--- GCCCCCTCCCCRC	
TFII-I_M00706	1.3667e-07	-CTCCCTCCCC CCTMCNTC---	
Sp1_M00933	2.7005e-07	CTCCCTCCCC- --CCCKCCCCN	
ZNF219_M01122	1.2815e-06	GGGGAGGGAG-- -GGGNGGGGGGN	
Sp3_M00665	2.0314e-06	CTCCCTCCCC----- --CCCYSCCCAAGKS	
KROX_M00982	4.5495e-06	---CTCCCTCCCC CCGCCCCCNCNCC	
CAC-binding_M00720	6.2476e-06	GGGGAGGGAG RGGSTGGG--	
VDR_M00444	8.3957e-06	----CTCCCTCCCC TSWCCYYNYTNMCC	
MAZR_M00491	1.5166e-05	-GGGGAGGGAG- SGGGGGGGMNN	




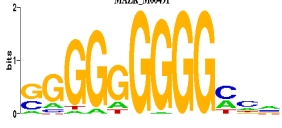



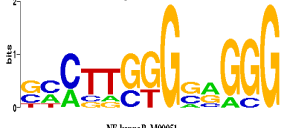

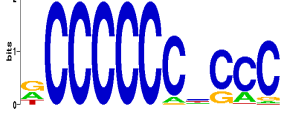
M59



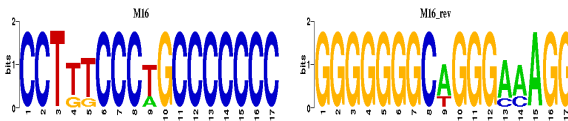
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	2.6970e-09	GGGGGGGGGAGCCMGG -GGGNGGGGGGN-----	
MAZR_M00491	8.7933e-09	GGGGGGGGGAGCCMGG SGGGGGGGGMNN-----	
UF1H3BETA_M01068	1.2970e-05	CCKGGCTCCCCCCCC-- ----GCCCTCCCCRC	
KROX_M00982	1.9993e-05	CCKGGCTCCCCCCCC-- ----CCGCCCCNCNNC	
Sp1_M00196	7.4514e-05	CCKGGCTCCCCCCCC-- ----NNCCCCGCCCCN	
NF-kappaB_M00051	8.5809e-05	GGGGGGGGGAGCCMGG -----GGGRATCCC--	
Sp1_M00931	1.1754e-04	CCKGGCTCCCCCCCC -----NCCCCGCC--	
SMAD4_M00733	1.7543e-04	-CCKGGCTCCCCCCCC RGNTGKCTGNMYSN---	
Sp1_M00933	2.1993e-04	-CCKGGCTCCCCCCCC C-----CCCKCCCN	
MAZ_M00649	2.3211e-04	CCKGGCTCCCCCCCC -----CCCTCCC--	





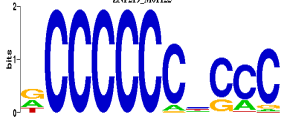


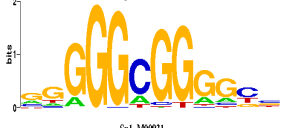


M74



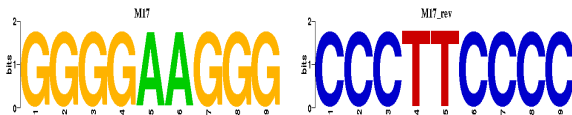
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAZ_M00649	7.4906e-07	GGCCTCCCC -CCCTCCC-	
UF1H3BETA_M01068	4.1305e-06	-GGCCTCCCC--- GCCCCCTCCCCRC	
Tra-1_M01048	8.2984e-06	GGCCTCCCC -ACCWCCC-	
MAZR_M00491	1.9531e-05	-GGCCTCCCC-- NNKCCCCCCCCS	
TFII-I_M00706	3.9388e-05	GGCCTCCCC- --CCTMCNTC	
Sp1_M00933	5.0563e-05	-GGGGAGGCC NNGGGMGGG-	
Zic3_M00450	9.7222e-05	GGCCTCCCC GANCMCCC-	
Sp3_M00665	1.1813e-04	GGCCTCCCC----- -CCCYSCCCAAGKS	
NF-kappaB_M00051	1.9979e-04	GGGGAGGCC GGGRATCCC	
ZNF219_M01122	2.2910e-04	---GGGGAGGCC GGNGGGGGGN-	

M16



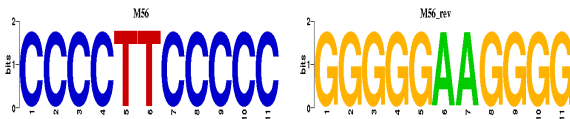
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BLIMP1_M01066	4.4005e-09	GGGGGGGCAGGGAAAGG-- -----GRAAGKGAAAGKR	
MAZR_M00491	2.0140e-05	--GGGGGGGCAGGGAAAGG SGGGGGGGGMNN-----	
UF1H3BETA_M01068	3.0624e-05	CCTTTCCTGCCCCCCC ---GCCCTCCCCRC-	
AtMYB-84_M00970	5.9434e-05	GGGGGGGCAGGGAAAGG --GNNGGTAGGTGS---	
ZNF219_M01122	6.6372e-05	---GGGGGGGCAGGGAAAGG GGNGGGGGGN-----	
PBF_M01130	1.0412e-04	CCTTTCCTGCCCCCCC CCTTT-----	
CAC-binding_M00720	1.0794e-04	GGGGGGGCAGGGAAAGG ----RGGSTGGG-----	
Sp1_M00196	1.2261e-04	CCTTTCCTGCCCCCCC ---NNCCCCGCCCCN--	
Sp1_M00931	1.2671e-04	CCTTTCCTGCCCCCCC ----NCCCCGCC-----	
Sp1_M00933	1.9450e-04	CCTTTCCTGCCCCCCC -----CCCKCCCN--	

M17



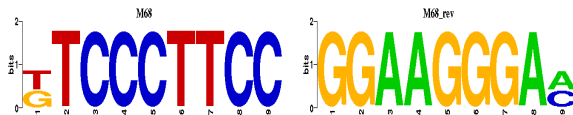
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	3.3651e-09	-CCCTTCCCC--- GCCCTTCCCCRC	
PU.1_M00658	1.9541e-06	CCCTTCCCC --CTTCCTC	
MAZ_M00649	8.3352e-06	CCCTTCCCC -CCCTCCC-	
AtMYB-84_M00970	9.4162e-06	-GGGGAAGGG-- GGNGGTAGGTGS	
VDR_M00444	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	



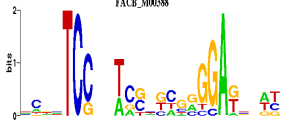







M56



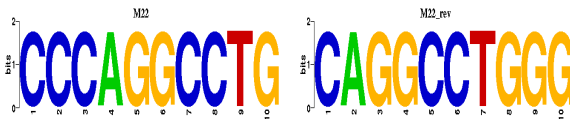
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	2.6569e-10	CCCCTTCCCC-- GCCCTCCCCRC	
AtMYB-84_M00970	7.3430e-09	GGGGGAAGGGG-- GGNGGTAGGTGS	
MAF_M00648	1.1511e-06	---CCCCTTCCCC-- NSNMMACTTCCYYCN	
VDR_M00444	1.3037e-06	----CCCCTTCCCC TSWCCYYNYTNMCC--	
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 --CCCTCCC--	
MZF1_M00084	5.4559e-05	CCCCTTCCCC----- ----TTNCCCCTCNNN	
STRE_M00308	1.0872e-04	-CCCCTTCCCC NCCCCT-----	

M68

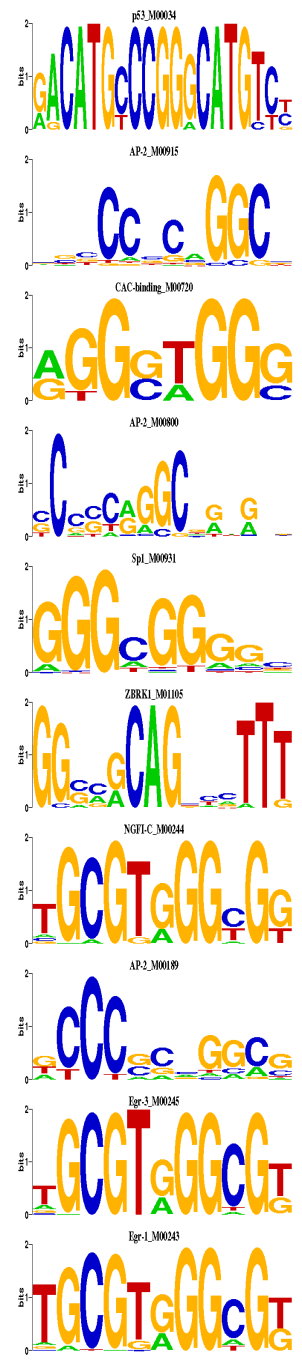


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BLIMP1_M01066	1.3678e-09	----KTCCCTTCC YMCTTTCMCTTYC	
MAZ_M00649	1.0678e-05	KTCCCTTCC --CCCTCCC	
FACB_M00388	1.8059e-04	-----GGAAGGGAM--- NNNNMTCCNNNNNSNANNGGANNNN	
c-Ets-1_M00339	2.1406e-04	---KTCCCTTCC-- NNMNNNACTTCTG	
PU.1_M00658	5.0834e-04	KTCCCTTCC-- ----CTTCTC	
Ets_M00971	5.1020e-04	--GGAAGGGAM NAGGAAG----	
c-Ets-1_M00743	5.2115e-04	KTCCCTTCC- ---GCTTCK	
PEA3_M00655	5.7414e-04	-GGAAGGGAM MGGAWG----	
UF1H3BETA_M01068	6.5301e-04	----GGAAGGGAM GYGGGGGAGGGGC	
EBF_M00977	6.7750e-04	--GGAAGGGAM NCYCWRGGGA-	

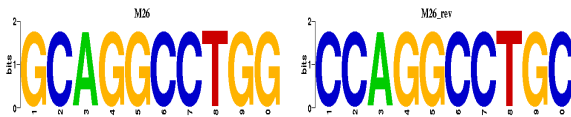
M22



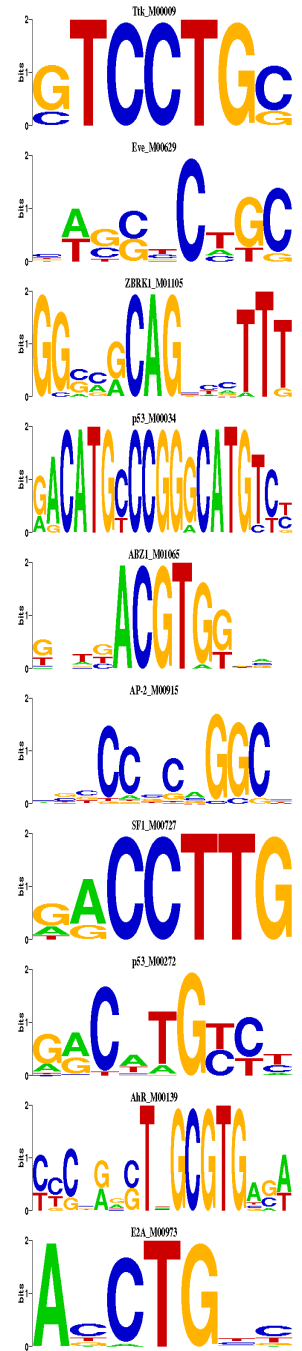
	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
p53_M00034	1.2930e-05	---CAGGCCTGGG----- RGACATGCCCGGGCATGTC
AP-2_M00915	2.6339e-05	CAGGCCTGGG---- --NGCCNGNGGNNN
CAC-binding_M00720	6.8287e-04	CCCAGGCCTG CCCASCCY--
AP-2_M00800	1.8482e-03	---CAGGCCTGGG-- NNYNYNGCCYGSSGS
Sp1_M00931	2.3200e-03	-CCCAGGCCTG NCCCCGCC--
ZBRK1_M01105	2.4281e-03	-CAGGCCTGGG--- AAANNNTGCKSCC
NGFI-C_M00244	2.7402e-03	---CCCAGGCCTG CCRCCCACGCA--
AP-2_M00189	3.2525e-03	CAGGCCTGGG--- --CGCCNGSGGN
Egr-3_M00245	3.4557e-03	---CCCAGGCCTG ACGCCACGCA--
Egr-1_M00243	3.6275e-03	---CCCAGGCCTG MCGCCCACGCA--



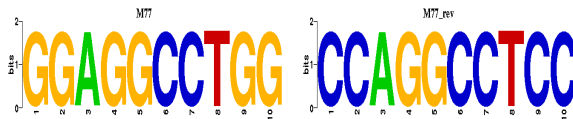
M26








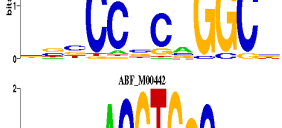




	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Ttk_M00009	2.6228e-05	GCAGGCCTGG GCAGGAC---
Eve_M00629	3.0274e-05	GCAGGCCTGG GCNGNSSWN-
ZBRK1_M01105	1.5365e-04	CCAGGCCTGC----- AAANNCTGCKSCC
p53_M00034	1.5750e-03	--GCAGGCCTGG----- RGACATGCCCGGGCATGTC
ABZ1_M01065	2.7095e-03	---CCAGGCCTGC NNNCCACGTNNNM
AP-2_M00915	3.0690e-03	GCAGGCCTGG----- ---NGCCNGNGGNNN
SF1_M00727	4.7544e-03	GCAGGCCTGG ---GACCTTG
p53_M00272	4.8830e-03	CCAGGCCTGC- --RGRCAWGYC
AhR_M00139	5.0542e-03	-----GCAGGCCTGG- TSTCACGCNASYNGRG
E2A_M00973	6.5929e-03	-GCAGGCCTGG RNCAGNT----



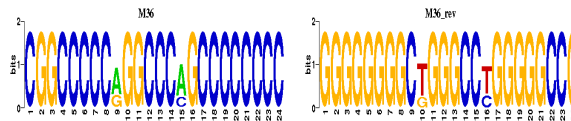
M77



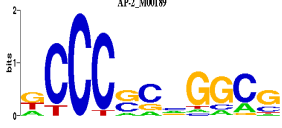

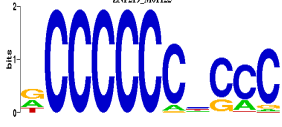







forward *reverse compliment*

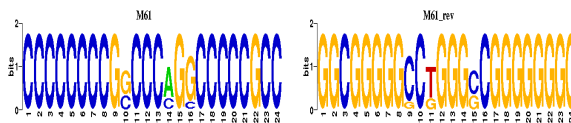
Name	E value	Alignment	Motif
UAY_M00391	5.7350e-04	---GGAGGCCTGG-- RTCGGMNNNNKSCGN	
ERF2_M01057	6.8467e-04	GGAGGCCTGG GGCGGC----	
MAZ_M00649	8.5308e-04	CCAGGCCTCC-- ----CCCTCCC	
GAL4_M00049	1.3163e-03	----GGAGGCCTGG----- STTCGGASNANWGTNNNCCGNN	
TRAB1_M00507	2.9176e-03	-CCAGGCCTCC GNCACRCGTM-	
AP-2_M00915	3.0690e-03	GGAGGCCTGG----- ---NGCCNGNGGNNN	
ABF_M00442	3.9689e-03	-GGAGGCCTGG----- NGGNCACGTGGCNNNN	
Tra-1_M01048	4.0372e-03	CCAGGCCTCC-- ----ACWCCC	
Eve_M00629	4.1313e-03	CCAGGCCTCC GCNGNSSWN-	
ETF_M00695	4.1930e-03	-GGAGGCCTGG NGCGG-----	

M36



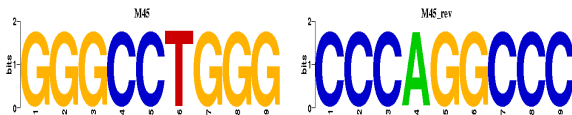
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
RREB-1_M00257	7.1171e-08	CGGCCCCCAGGCCCCAGCCCCCCCC -----CCC AACCACCCC	
MAZR_M00491	5.4238e-07	-GGGGGGGGCTGGGCCTGGGGGCCG SGGGGGGGGMNN-----	
AP-2_M00189	1.1194e-06	GGGGGGGGCTGGGCCTGGGGGCCG -----CGCCNGSGGGN--	
KROX_M00982	1.4075e-06	GGGGGGGGCTGGGCCTGGGGGCCG ----GNNGNNGGGGGCG-----	
ZNF219_M01122	1.5528e-06	--GGGGGGGGCTGGGCCTGGGGGCCG GGGNGGGGGGN-----	
UF1H3BETA_M01068	4.9973e-06	CGGCCCCCAGGCCCCAGCCCCCCCC -----GCCCTCCCCRC-	
GC_M00255	1.3682e-05	CGGCCCCCAGGCCCCAGCCCCCCCC -----NNGCCCCGCCNN--	
Alfin1_M00479	2.6480e-05	CGGCCCCCAGGCCCCAGCCCCCCCC -----MNNCCCCACNYNYN---	
Sp1_M00931	2.9749e-05	CGGCCCCCAGGCCCCAGCCCCCCCC -----NCCCCGCC-----	
CAC-binding_M00720	3.5793e-05	GGGGGGGGCTGGGCCTGGGGGCCG ----RGGSTGG-----	

M61



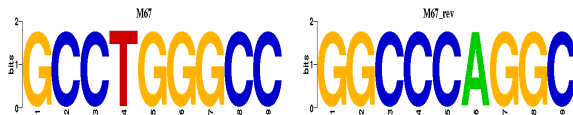
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	2.5650e-11	GGCGGGGGCCTGGGSCGGGGGGGG -----GNNNGGGGGGCGG	
Sp1_M00931	5.3325e-06	CCCCCCCCGSCCCAGGCCCCCGCC ---NCCCCGCC-----	
Sp1_M00933	8.3639e-06	GGCGGGGGCCTGGGSCGGGGGGGG -----NGGGGMGG-----	
Sp3_M00665	8.7160e-06	GGCGGGGGCCTGGGSCGGGGGGGG -----SMCTTGGGSRGG-----	
Sp1_M00196	1.1803e-05	CCCCCCCCGSCCCAGGCCCCCGCC --NNCCCCGCCCN-----	
AP-2_M00189	1.4668e-05	GGCGGGGGCCTGGGSCGGGGGGGG -----CGCCNGSGGGN-	
MAZR_M00491	1.9184e-05	GGCGGGGGCCTGGGSCGGGGGGGG--- -----SGGGGGGGGMNN	
ZNF219_M01122	2.2843e-05	GGCGGGGGCCTGGGSCGGGGGGGG -----GGGNGGGGGGN-	
Sp1_M00008	1.2356e-04	CCCCCCCCGSCCCAGGCCCCCGCC- -----WCCCYGCCY	
GC_M00255	1.9331e-04	CCCCCCCCGSCCCAGGCCCCCGCC -NNGCCCCGCCCN-----	



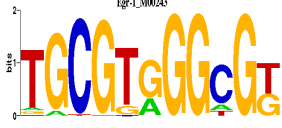


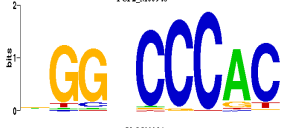
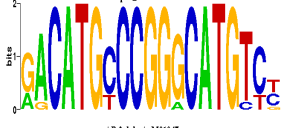
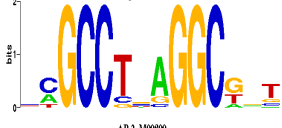


M45



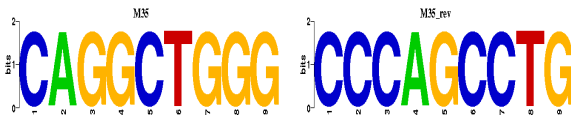
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AP-2_M00915	4.8028e-06	GGGCCTGGG---- -NGCCNGNGGNNN	
KROX_M00982	9.8192e-06	---CCCAGGCC-- CCGCCCCCNCNNC	
Sp1_M00196	7.0428e-05	--CCCAGGCC-- NNCCCCGCCCCN	
CAC-binding_M00720	3.4015e-04	CCCAGGCC CCCASCCY-	
AP-2_M00800	5.0234e-04	----GGCCTGGG-- NNYNYNGCCYGSSGS	
GC_M00255	6.0629e-04	---CCCAGGCC-- NNGCCCCGCCNN	
Sp1_M00931	7.7527e-04	CCCAGGCC NCCCCGCC	
CACD_M01113	7.7580e-04	GGGCCTGGG GGYG TG--	
MTF-1_M00650	7.9276e-04	GGGCCTGGG---- GGGCCGNGTGCAN	
NGFI-C_M00244	1.0294e-03	---CCCAGGCC CCRCCACGCA-	

M67



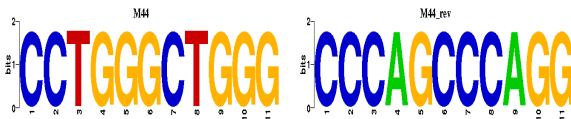
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AP-2_M00915	4.8028e-06	-GCCTGGGCC-- NGCCNGNGGNNN	
Egr-3_M00245	6.3315e-06	-GGCCCAGGC- ACGCCACGCA	
Egr-1_M00243	7.3239e-06	-GCCTGGGCC- TGCGTGGGCGK	
Egr-2_M00246	1.0165e-05	-GGCCCAGGC- MCGCCCACGCA	
NGFI-C_M00244	1.2726e-05	-GGCCCAGGC- CCRCCCACGCA	
PCF2_M00948	3.8829e-05	GCCTGGGCC-- --GTGGGNCCN	
p53_M00034	9.4487e-05	-----GCCTGGGCC----- RGACATGCCCGGGCATGTC	
AP-2alphaA_M01047	5.0025e-04	---GCCTGGGCC-- ANMGCCTNAGGCKN	
AP-2_M00800	5.0234e-04	-----GCCTGGGCC NNYNYNGCCYGSSGS	
Dde_M00304	7.6729e-04	GGCCCAGGC -GCTCAGCC	






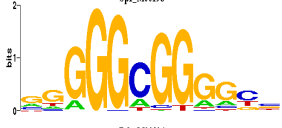




M35



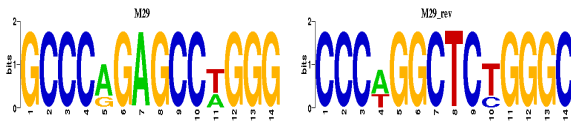
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CAC-binding_M00720	3.1033e-09	CCCAGCCTG CCCASCCY-	
HAC1_M00730	5.1104e-05	CCCAGCCTG-- GMCAGCGTGTC	
Dde_M00304	8.2373e-05	CAGGCTGGG-- --GGCTGAGC	
Sp1_M00008	1.7673e-04	-CCCAGCCTG WCCCYGCCY-	
Sp1_M00931	1.9858e-04	-CCCAGCCTG NCCCCGCC-	
Staf_M00264	5.6717e-04	-----CAGGCTGGG--- NNGCNNKGNANNNTGGGANN	
LUN-1_M00480	1.0599e-03	-----CAGGCTGGG TCCCAAAGTAGCTGGG	
AP-2_M00800	1.1983e-03	----CAGGCTGGG-- NNYNYNGCCYGSSGS	
HEB_M00698	1.2297e-03	CAGGCTGGG -CAGCWGG-	
Staf_M00262	1.3169e-03	-----CAGGCTGGG--- NNCGYRNTGCATKNTGGGWAN	



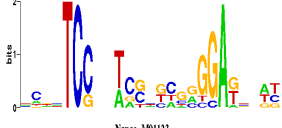

M44



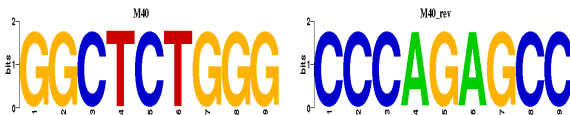
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CAC-binding_M00720	3.6109e-07	CCTGGGCTGGG ---RGGSTGGG	
Sp1_M00931	4.0016e-06	-CCCAGCCCAGG NCCCCGCC---	
CP2_M00072	9.5051e-06	CCTGGGCTGGG -CTGGKTNGNG	
Sp3_M00665	1.0569e-04	--CCTGGGCTGGG SMCTTGGGSRGGG	
Sp1_M00932	1.7504e-04	--CCCAGCCCAGG NNCCCCGCCNN-	
Sp1_M00196	1.9216e-04	CCTGGGCTGGG-- -NGGGGCGGGGNN	
Dde_M00304	3.2644e-04	CCTGGGCTGGG- ----GGCTGAGC	
KROX_M00982	5.7874e-04	----CCCAGCCCAGG CCGCCCCNCNNC--	
Sp1_M00008	8.5050e-04	-CCCAGCCCAGG WCCCYGCCY---	
GC_M00255	9.6684e-04	---CCCAGCCCAGG NNGCCCCGCCNN-	









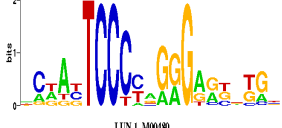

M29



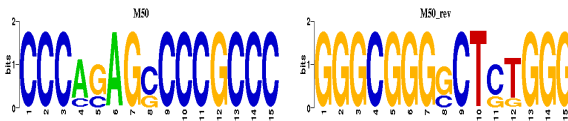
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CACCC-binding_M00721	2.3916e-04	---CCCAGGCTCTGGGC ANCMNWWGGGTGNGG--	
CAC-binding_M00720	4.9688e-04	CCCAGGCTCTGGGC CCCASCCY-----	
LF-A1_M00646	1.2447e-03	GCCCAGAGCCTGGG ---YWGASCC----	
CDC5_M00361	1.6626e-03	CCCAGGCTCTGGGC ----NSCGCTGAGS	
AP-2_M00915	3.2505e-03	GCCCAGAGCCTGGG---- -----NGCCNGNGGNNN	
STATx_M00223	8.0264e-03	GCCCAGAGCCTGGG TCCCRKAA-----	
HSF_M00641	8.7075e-03	CCCAGGCTCTGGGC -GAARCYNCKNGA-	
FACB_M00388	9.2304e-03	-----GCCCAGAGCCTGGG----- NNNNMTCCNNNNNSNANNGGANNNN	
Nanog_M01123	1.0735e-02	CCCAGGCTCTGGGC- ----GGMAATGGNCC	
NERF1a_M00531	1.1927e-02	---GCCCAGAGCCTGGG SNNASNYRCTTCCTGNY	

M40



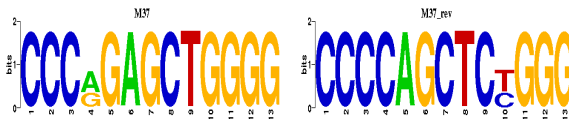
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LF-A1_M00646	5.5252e-05	CCCAGAGCC --YWGASCC	
ZID_M00085	1.7414e-03	GGCTCTGGG--- GGCTCYATCAYC	
NRSF_M00256	1.7424e-03	GGCTCTGGG----- GSYGCTGTCCGTGGTGCTGA	
Eve_M00629	2.0604e-03	CCCAGAGCC- -GCNGNSSWN	
STAT_M00777	2.0611e-03	-CCCAGAGCC-- TCCNAGAANNNN	
CDC5_M00361	2.3480e-03	--CCCAGAGCC NSCGCTGAGS-	
Dde_M00304	3.4678e-03	CCCAGAGCC GGCTGAGC-	
HSF_M00641	3.8517e-03	---GGCTCTGGG GAARCYNCKNGA	
Olf-1_M00261	4.0343e-03	-----GGCTCTGGG----- NCMNNYTCCNRRGGGANTNGN	
LUN-1_M00480	4.6075e-03	-CCCAGAGCC----- TCCCAAAGTAGCTGGG	


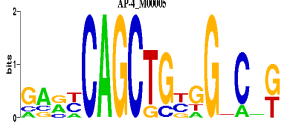


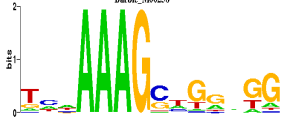
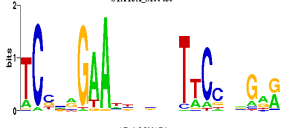


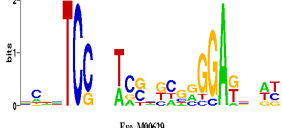

M50



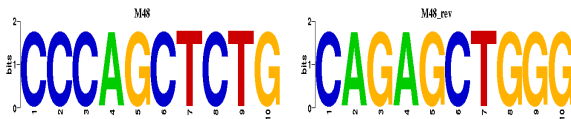
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Sp1_M00931	7.6578e-09	CCCAGAGCCCCGCC -----NCCCCGCC	
GC_M00255	7.3057e-07	CCCAGAGCCCCGCC-- ----NNGCCCCGCCNN	
ABI4_M00958	2.4823e-06	GGGCGGGGCTCTGGG GGGCGGTGCN-----	
Sp1_M00933	6.2427e-06	CCCAGAGCCCCGCC-- -----CCCKCCCN	
Sp1_M00932	7.9700e-06	CCCAGAGCCCCGCC-- ----NNCCCCGCCNN	
Sp1_M00196	9.0077e-06	--GGGCGGGGCTCTGGG NNGGGCGGGGNN-----	
Sp1_M00008	2.3750e-05	CCCAGAGCCCCGCC -----WCCCYGCCY	
MAZ_M00649	3.3588e-05	CCCAGAGCCCCGCC -----CCCTCCC	
KROX_M00982	5.4097e-05	-GGGCGGGGCTCTGGG GNNGNGGGGGCGG---	
MAZR_M00491	1.8572e-04	-GGGCGGGGCTCTGGG SGGGGGGGGMNN----	

M37



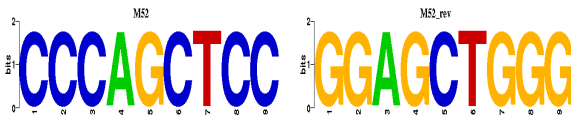
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Alfin1_M00479	2.8279e-06	---CCCCAGCTCYGGG MNNCCCCACNYNYN--	
AP-4_M00005	1.0811e-05	-CCCCAGCTCYGGG--- NNNNCAGCTGNNGNCNK	
HEB_M00698	2.4358e-05	CCCRGAGCTGGGG ----CAGCWGG--	
LBP-1_M00644	4.5927e-05	CCCCAGCTCYGGG --SCAGCN-----	
Barbie_M00238	8.7642e-05	-CCCCAGCTCYGGG CMNNCNSCTTTNNN	
STAT5A_M00460	2.1191e-04	-----CCCCAGCTCYGGG- YNCNNGGAANNNNNTTCNNNGA	
AP-4_M00176	6.0527e-04	CCCCAGCTCYGGG -NNCAGCTGN---	
SREBP-1_M00749	8.7056e-04	CCCRGAGCTGGGG- -----TGSGT	
FACB_M00388	1.1753e-03	-----CCCRGAGCTGGGG----- NNNNMTCCNNNNNSNANNGGANNNN	
Eve_M00629	1.1900e-03	CCCRGAGCTGGGG -GCNGSSWN---	

M48



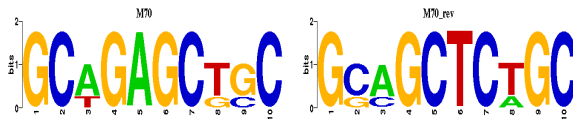
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HEB_M00698	5.7899e-06	CAGAGCTGGG --CAGCWGG-	
LBP-1_M00644	1.3838e-05	CCCAGCTCTG -SCAGCN---	
LUN-1_M00480	3.2321e-05	-----CAGAGCTGGG TCCCAAAGTAGCTGGG	
Alfin1_M00479	4.0276e-05	----CCCAGCTCTG MNNCCCCACNYNYN	
AP-4_M00176	4.9671e-05	CCCAGCTCTG NNCAGCTGN-	
Sry-beta_M00666	8.1749e-05	CAGAGCTGGG -AGWGATGC-	
AP-4_M00005	1.0402e-04	-----CAGAGCTGGG-- MNGNCNNCAGCTGNNNN	
Eve_M00629	1.5518e-04	-CAGAGCTGGG GCNGNSSWN--	
Barbie_M00238	2.3651e-04	--CCCAGCTCTG-- CMNNCNSCTTTNNN	
ROM_M00700	3.7449e-04	CAGAGCTGGG -TGASGTGG-	









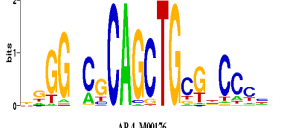

M52



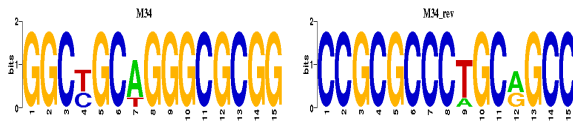
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LUN-1_M00480	6.1017e-08	CCCAGCTCC----- CCCAGCTACTTTGGGA	
HEB_M00698	2.7258e-06	GGAGCTGGG -CAGCWGG-	
TAL1_M00993	7.3857e-06	-GGAGCTGGG RNCAGNTGG-	
LBP-1_M00644	7.6282e-06	CCCAGCTCC -SCAGCN--	
HEN1_M00068	2.7243e-05	-----CCCAGCTCC----- NNGGNCNCAGCTGNGNCCNNN	
Alfin1_M00479	3.3233e-05	----CCCAGCTCC- MNNCCCCACNYYN	
AP-4_M00176	5.3326e-05	GGAGCTGGG NCAGCTGNN	
Sp1_M00196	7.7317e-05	--CCCAGCTCC- NNCCCCGCCCCN	
AP-4_M00927	1.2869e-04	CCCAGCTCC -NCAGCTGY	
KROX_M00982	1.7022e-04	----CCCAGCTCC CCGCCCCNCNNC	

M70



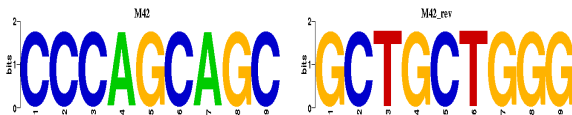
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Sry-beta_M00666	5.0001e-07	GCAGAGCTGC --AGWGATGC	
Eve_M00629	8.7010e-07	GCAGAGCTGC GCNGNSSWN-	
LBP-1_M00644	1.6462e-06	GCAGCTCTGC SCAGCN----	
Dde_M00304	3.9347e-06	GCAGCTCTGC- ---GCTCAGCC	
AP-4_M00927	7.8142e-05	GCAGAGCTGC --NCAGCTGY	
myogenin_M00712	1.0668e-04	GCAGCTCTGC NCAGSTG---	
CDC5_M00361	2.7679e-04	---GCAGAGCTGC NSCGCTGAGS---	
ZBRK1_M01105	4.2632e-04	GCAGAGCTGC---- AAANNCTGCKSCC	
HEN1_M00058	1.1222e-03	-----GCAGCTCTGC----- NNNGGNCGCAGCTGCGNCCNN	
AP-4_M00176	1.3303e-03	-GCAGCTCTGC NNCAGCTGN--	

M34



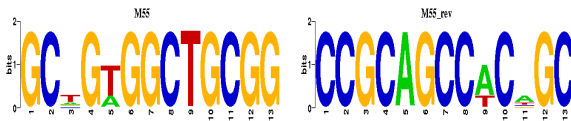
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Sp1_M00931	4.3879e-05	-CCGCGCCCTGCRGCC NCCCCGCC-----	
E2F_M00803	1.2407e-04	CCGCGCCCTGCRGCC -CGCGC-----	
ZF5_M00716	1.3710e-04	GGCYGCAGGGCGCGG -----SGCGCGR	
Ttk_M00009	2.2044e-04	GGCYGCAGGGCGCGG ----GCAGGAC----	
Egr_M00807	2.5766e-04	-CCGCGCCCTGCRGCC NYYGCSCCA-----	
GAGA_M00723	1.0047e-03	GGCYGCAGGGCGCGG -----SWGAGMGNRA	
E2F-1_M00939	1.4226e-03	GGCYGCAGGGCGCGG -----TTSGCGCG-	
E2F_M00918	1.7071e-03	CCGCGCCCTGCRGCC -NSCGCSAA-----	
NRSF_M00256	1.8784e-03	GGCYGCAGGGCGCGG----- -GSYGCTGTCCGTGGTGCTGA	
ZF5_M00333	1.9532e-03	GGCYGCAGGGCGCGG-- -----RNRNRCGCGCWN	

M42



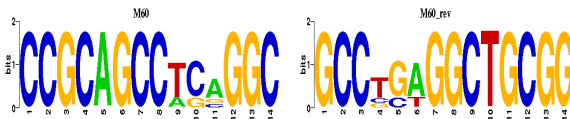
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LMAF_M01139	5.8168e-06	GCTGCTGGG -CTGCTGAS	
TAL1_M00993	7.3857e-06	-GCTGCTGGG RNCAGNTGG-	
HEB_M00698	2.6668e-05	GCTGCTGGG -CAGCWGG-	
HEN1_M00068	2.7243e-05	-----GCTGCTGGG----- NNNGGNCNCAGCTGNGNCCNN	
AP-4_M00927	1.2869e-04	GCTGCTGGG RCAGCTGN-	
myogenin_M00712	2.0052e-04	CCCAGCAGC --CASCTGN	
LBP-1_M00644	2.0250e-04	CCCAGCAGC- ----SCAGCN	
LUN-1_M00480	2.3730e-04	CCCAGCAGC----- CCCAGCTACTTTGGGA	
AP-4_M00176	3.2998e-04	CCCAGCAGC NNCAGCTGN	
CAC-binding_M00720	4.6008e-04	CCCAGCAGC CCCASCCY-	

M55



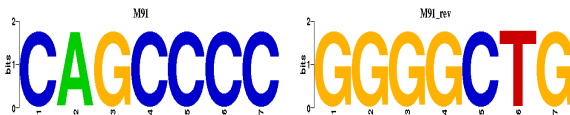
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Bel-1_M00312	1.4327e-09	----GCNGTGGCTGCGG----- ANCTGCTGAYRCWGMGNKNACTNYCNM	
Adf-1_M00923	3.5630e-05	--CCGCAGCCACNGC----- SGCYGCMGYCGCTGMMNKYG	
SMAD4_M00733	5.6062e-04	--CCGCAGCCACNGC NSRKNCAGMCANCY-	
Dde_M00304	7.2579e-04	GCNGTGGCTGCGG -----GGCTGAGC	
LBP-1_M00644	9.1303e-04	CCGCAGCCACNGC --SCAGCN-----	
v-Maf_M00035	1.2817e-03	----GCNGTGGCTGCGG-- NNNTGCNNNGTCAGCANN	
CACCC-binding_M00721	1.5212e-03	--GCNGTGGCTGCGG ANCMNNWGGGTGNGG	
Adf-1_M00171	1.5297e-03	GCNGTGGCTGCGG-- NMNGCNRCRGRGCGG	
MAF_M00983	1.7870e-03	CCGCAGCCACNGC ---NTGACTCANC	
ERF2_M01057	2.0984e-03	GCNGTGGCTGCGG -----GCGGC--	







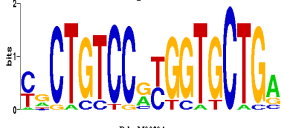

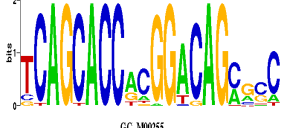

M60



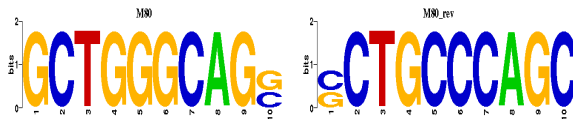
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AP-2alphaA_M01047	2.3521e-09	CCGCAGCCTCAGGC-- --ANMGCCTNAGGCKN	
Bel-1_M00312	5.2730e-08	---GCCTGAGGCTGCGG----- ANCTGCTGAYRCWGMGNKNACTNYCNM	
CACCC-binding_M00721	8.0675e-06	-GCCTGAGGCTGCGG ANCMNNWGGGTGNGG	
AP-2alphaA_M01045	3.6851e-05	CCGCAGCCTCAGGC-- --NNSCCTNAGGCNN	
Adf-1_M00171	3.6500e-04	--CCGCAGCCTCAGGC CGCYGCGYNGCNKN-	
Adf-1_M00923	5.8177e-04	--CCGCAGCCTCAGGC---- SGCYGCMGYCGCTGMMNKYG	
HSF_M00641	7.5971e-04	CCGCAGCCTCAGGC --GAARCYNCKNGA	
Dde_M00304	9.8708e-04	GCCTGAGGCTGCGG -----GGCTGAGC	
LBP-1_M00644	1.1462e-03	CCGCAGCCTCAGGC --SCAGCN-----	
CAC-binding_M00720	1.3595e-03	CCGCAGCCTCAGGC -CCASCCY-----	

M91



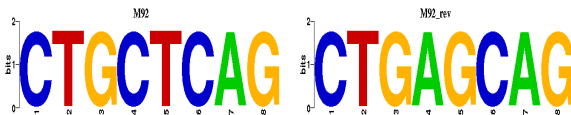
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Alfin1_M00479	2.8801e-06	-----GGGGCTG NRNRNGTGGGGNNK	
GBF_M00633	8.7595e-06	CAGCCCC- NACCCNA	
Sp1_M00933	1.1392e-05	-GGGGCTG- NGGGMGGG	
Sp1_M00196	5.7185e-05	----CAGCCCC- NNCCCCGCCCCN	
bZIP910_M00357	8.2239e-05	----CAGCCCC ACGTCAGCAYS	
KROX_M00982	8.7924e-05	-----GGGGCTG GNNGNGGGGGCGG	
NRSF_M01028	2.4530e-04	-CAGCCCC----- TCAGCACCRYGGACAGNR	
Dde_M00304	2.6766e-04	GGGGCTG--- --GGCTGAGC	
NRSF_M00256	2.8029e-04	-----GGGGCTG- GSYGCTGTCCGTGGTGCTGA	
GC_M00255	2.8898e-04	----CAGCCCC- NNGCCCCGCCNN	

M80



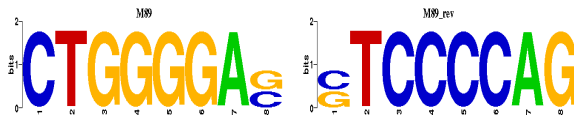
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Sp3_M00665	1.0454e-04	--GCTGGGCAGS- SMCTTGGGSRGGG	
E2A_M00973	1.7311e-04	GCTGGGCAGS- ----RNCAGNT	
Dde_M00304	1.7995e-04	SCTGCCCAGC- ---GCTCAGCC	
HNF4_M01033	2.8061e-04	SCTGCCCAGC --TGNNC---	
UF1H3BETA_M01068	4.0446e-04	---SCTGCCCAGC GCCCTCCCCRC	
CAC-binding_M00720	9.0664e-04	SCTGCCCAGC-- ----CCCASCCY	
myogenin_M00712	1.4637e-03	GCTGGGCAGS-- ----NCAGSTG	
CDC5_M00361	1.6068e-03	---GCTGGGCAGS NSCGCTGAGS---	
E47_M00002	1.6257e-03	-----SCTGCCCAGC NNNNACACCTGCNS---	
HEB_M00698	2.0307e-03	--GCTGGGCAGS CAGCWGG-----	

M92



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Dde_M00304	2.5814e-06	--CTGAGCAG GGCTGAGC--	
LMAF_M01139	8.1004e-06	CTGCTCAG CTGCTGAS	
CDC5_M00361	2.4637e-05	----CTGAGCAG NSCGCTGAGS--	
Alx-4_M00619	2.8911e-04	----CTGCTCAG GATTATTCTCAG	
LF-A1_M00646	5.9625e-04	CTGAGCAG YWGASCC-	
Nrf-2_M00821	6.7101e-04	----CTGAGCAG NNTGACTCAGCA-	
XPF-1_M00684	8.2279e-04	-CTGCTCAG GKTSNYCNG	
AR_M00962	1.0230e-03	--CTGCTCAG NNNTGCTC--	
v-Maf_M00035	1.2606e-03	-----CTGAGCAG-- NNTGCTGACNNGCANN	
MEF-3_M00319	1.7414e-03	CTGCTCAG----- --GSTCAGGTTWCN	

M89




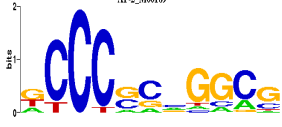







forward *reverse compliment*

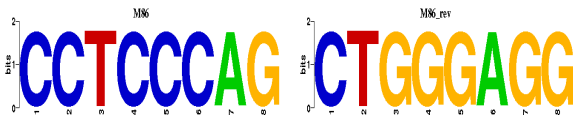
Name	E value	Alignment	Motif
Olf-1_M00261	4.9455e-07	-----CTGGGGAS----- NCMNNYTCCCNRRGGGANTNGN	
SREBP-1_M00749	9.3983e-05	CTGGGGAS -TGGSGT-	
EBF_M00977	1.1168e-04	---CTGGGGAS NCYCWRRGGGA-	
Sp3_M00665	1.6477e-04	--STCCCCAG--- CCCYSCCCAAGKS	
MZF1_M00083	1.7038e-04	STCCCCAG -TCCCCNN	
BRK_M01096	2.0178e-04	CTGGGGAS NTGGCG--	
AP-2_M00915	2.2176e-04	-STCCCCAG--- NNNCCNCNGGCN	
SREBP-1_M00221	5.5943e-04	CTGGGGAS-- GTGGGGTGAT	
LMAF_M01139	5.5970e-04	CTGGGGAS CTGCTGAS	
XPF-1_M00684	8.2279e-04	-STCCCCAG GKTSNYCNG	

M49



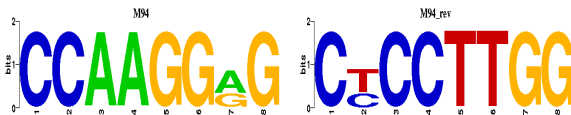
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Lyf-1_M00141	3.7282e-05	-CTCCCAGGAG YCTCCCAA---	
Muscle_M00321	6.8575e-05	--CTCCTGGGAG----- NNCNSNKGNGTGNNNNNNNN	
EBF_M00977	1.0200e-04	CTCCCAGGAG- -NCYCWRGGGA	
STATx_M00223	1.1038e-04	CTCCCAGGAG -TCCCRKAA-	
AP-2_M00189	2.9840e-04	CTCCTGGGAG- CGCCNGSGGGN	
KAISO_M01119	3.0422e-04	CTCCTGGGAG -TCCTGCNAN	
STAT_M00777	5.0004e-04	CTCCCAGGAG--- -TCCNAGAANNNN	
STAT5B_M00459	5.0771e-04	--CTCCTGGGAG-- NWTTCNNGGAANYN	
MAZ_M00649	7.6833e-04	--CTCCCAGGAG CCCTCCC-----	
RBP-Jkappa_M01111	1.0922e-03	CTCCTGGGAG --NGTGGGA-	


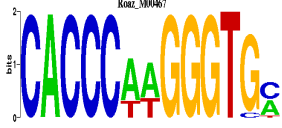


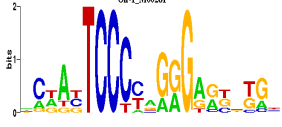





M86



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Lyf-1_M00141	7.0228e-08	CCTCCCAG YCTCCCAA	
MAZ_M00649	2.1421e-07	-CCTCCCAG CCCTCCC--	
Tra-1_M01048	2.7695e-06	-CCTCCCAG ACCWCCC--	
TFII-I_M00706	1.1328e-05	CCTCCCAG CCTMCNTC	
GLI_M01037	1.5724e-05	---CCTCCCAG NGACCACCCAN	
RBP-Jkappa_M01111	1.6619e-04	-CTGGGAGG NGTGGGA--	
UF1H3BETA_M01068	1.6925e-04	---CCTCCCAG-- GCCCCTCCCCRC	
Tra-1_M01049	2.2469e-04	CTGGGAGG- --GGNGGT	
Ik-3_M00088	3.5215e-04	---CCTCCCAG- GGTATTCCNRN	
ETF_M00695	4.5350e-04	CTGGGAGG --NGGCGG	

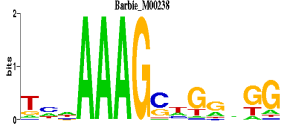









M94



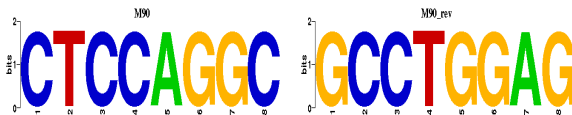
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
alpha-CP1_M00687	5.8382e-07	--CCAAGGRG AGCCAATGAG	
Roaz_M00467	4.3670e-05	--CYCCTTGG--- KCACCCTTGGGTG	
EBF_M00977	1.2901e-04	--CCAAGGRG NCYCWRGGGA	
SF1_M00727	1.6619e-04	CCAAGGRG -CAAGGTC	
Olf-1_M00261	1.7716e-04	-----CYCCTTGG----- NCMNNYTCCCNRGGGANTNGN	
NF-Y_M00287	3.5979e-04	---CYCCTTGG--- NNNNYSATTGGYNN	
LRH1_M01142	6.5211e-04	--CCAAGGRG- NTNCAAGGYNN	
SF1_M01132	6.9726e-04	CYCCTTGG NACCTGN	
PacC_M00247	8.3543e-04	----CYCCTTGG---- NNNNNNKCYTGGCNGN	
STRE_M00308	1.3545e-03	-CYCCTTGG NCCCCT---	






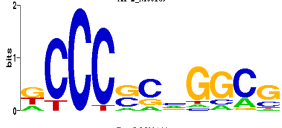
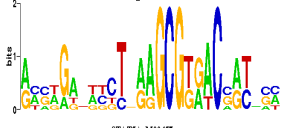


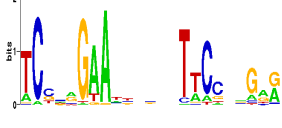
M87



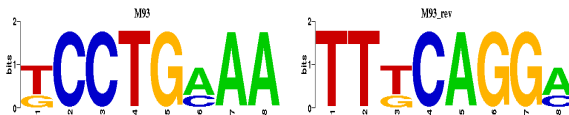
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Barbie_M00238	2.0905e-05	TCCTCCAG----- -CMNNCNSCTTTNNN	
BRK_M01096	2.0178e-04	CTGGAGGA NTGGCG--	
MAZ_M00649	2.1983e-04	TCCTCCAG CCCTCCC-	
PU.1_M00658	3.0455e-04	--TCCTCCAG CTTCCTC---	
Nrf-2_M00108	8.9112e-04	-TCCTCCAG SNCTTCCGG	
Tra-1_M01048	1.2740e-03	TCCTCCAG ACCWCCC-	
Ttk_M00009	1.4089e-03	CTGGAGGA- --GCAGGAC	
LXR_M00647	1.5110e-03	-----CTGGAGGA-- GGGGTYACTNNGGTCA	
ETF_M00695	1.6054e-03	CTGGAGGA -NGGCGG-	
TFII-I_M00706	2.1533e-03	-CTGGAGGA GANGKAGG-	






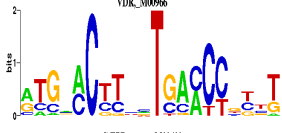




M90



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AP-2_M00915	4.9237e-06	-GCCTGGAG--- NGCCNGNGGNNN	
Pax-6_M00979	9.0228e-05	---CTCCAGGC-- KAGTTCAGGTCA	
BRK_M01096	2.0178e-04	GCCTGGAG --NTGGCG	
STAT5B_M00459	3.8953e-04	---GCCTGGAG--- NWTTCNGGAANYN	
AP-2_M00800	9.3937e-04	-CTCCAGGC----- SCSSCRGGCNRNRNN	
AP-2_M00189	1.0745e-03	-GCCTGGAG-- CGCCNGSGGGN	
Pax-5_M00144	2.4190e-03	-----CTCCAGGC----- NNNRYNGTYMCGCTYNANNNNNCNNNY	
STAT5A_M00457	3.0308e-03	---GCCTGGAG-- NRNTCCNRGAANY	
Barbie_M00238	3.8155e-03	-CTCCAGGC----- CMNNCNSCTTTNNN	
STAT5A_M00460	4.1156e-03	-----GCCTGGAG TCNNNGAANNNNNNNTTCNNNGNR	

M93



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STE12_M00664	3.5192e-05	-TTTCAGGA GTTTCA---	
STAT5B_M00459	4.3188e-05	---TTTCAGGA--- NRNTTCCNGGAAWN	
Ttk_M00009	2.9844e-04	TTTCAGGA- --GCAGGAC	
KAISO_M01119	3.9426e-04	TCCTGAAA- TCCTGCNAN	
STAT5A_M00457	4.6889e-04	--TTTCAGGA---- RNTTCYNGGAANYN	
VDR_M00966	7.1906e-04	-----TTTCAGGA----- ANNNGGKTCANNARGKNCA Y	
C-EBPgamma_M00622	7.3243e-04	-TCCTGAAA--- WTTYTGAAATNA	
TGIF_M00418	1.0694e-03	TCCTGAAA-- WNTGACAGC	
FOXP3_M00992	1.5337e-03	TCCTGAAA----- NTMTGNNANAACNNNW	
STATx_M00223	1.6361e-03	TTTCAGGA TTMYGGGA	

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