



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

Input file: 91 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 :          -----AAAAAAAA
M1 :          --GGGGGGGG-----
M2 :          --CACACACA-----
M3 :          --TTTTAAAA-----
M4 :          ----GGGAGGAG---
M5 :          ---AGGGAGGG----
M6 :          --GAGGGAGG-----
M7 :          ----CCCAGCCC---
M8 :          -CTTCCCAG-----
M9 :          -----CAGGAAGG-
M10 :         -----AGAGAAAG--
M11 :         -----GAGGAGGG-
M12 :         ---AGGCAGAG----
M13 :         ---GGGAAGGG----
M14 :         ---AGAGAGAG----
M15 :         -----TCCAGGAA---
M16 :         --GGGGCAGG-----
M17 :         -CCCAGCAG-----
M18 :         -----GGAGGGGA--
M19 :         CACCCCCA-----
M20 :         ----GGCAGAGG---
M21 :         -----CAGAGAAG-
M22 :         ----GGGAGAGG---
```

Stamp Results

10/01/13

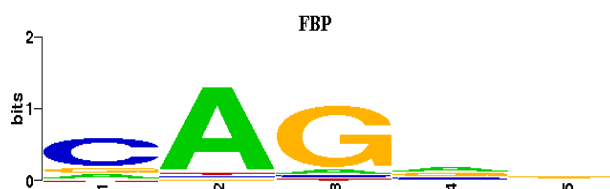
M23: -----AGGAAAGG
M24: ---CAGCAGCA----
M25: -----CAGAGCTG-
M26: -----CAGCCTCC-
M27: --TCCCAGA-----
M28: -----GCAGCAGC--
M29: -----AGAAGAAA
M30: -----CCAGGCTG--
M31: -----AAGGAAAA-
M32: ----GAAAGAAA---
M33: ----GAGAGAGA---
M34: ---CTGCAGAG----
M35: ---GGGGAGGA----
M36: --AGAAAAGA-----
M37: ----GGAAGGAA---
M38: -AGAGGCAG-----
M39: ----CCCAGAGC---
M40: --AGAGCAGG-----
M41: -----CAGGCAGC-
M42: CCACCCCA-----
M43: ---TCCCAGAA----
M44: -AGCCACAG-----
M45: -----CAGCTCCT-
M46: ---CCTCAGCC----
M47: -----CCAGCTCC--
M48: -CCAGCCAG-----
M49: -----GAAGGAAG--
M50: --CCTCCAGG-----
M51: -----CAGGGCAG-
M52: --CAAACAAA-----
M53: -----CAGGGAGA-
M54: ----AGGAGAGA---
M55: -----CAGAGGGA-
M56: -----CAGGGACA-
M57: -----CAAAACAA-
M58: -GGAAGCAG-----
M59: --AAGGCAGG-----
M60: -----CCACACCC--
M61: -GAGGCCAG-----
M62: --GAGGAAGA-----
M63: ----GGAAGCCA---
M64: --TCCCCAGG-----
M65: -TCTCCCAG-----

Stamp Results

10/01/13

```
M66: --AAAACAGA-----
M67: -----CAGAAGCC-
M68: -----CAGGAGAG-
M69: -----CAGGCCTG-
M70: -----AGGGGGAG
M71: -----CAAAGCCA-
M72: --CTGGCAGC-----
M73: CCCACCCA-----
M74: --TTTCCAGG-----
M75: --GCTGCAGA-----
M76: ---TCCCAGGC-----
M77: -----CAGAGAGC-
M78: -TGGCTCAG-----
M79: -----ACAGAGCA--
M80: -----CAGCTGAG-
M81: ---CCTCAGCT-----
M82: ---AGCAGCCT---
M83: --CTCACAGA-----
M84: --AATTAAAA-----
M85: ---AAGCAGCT-----
M86: --AGCAAAGA-----
M87: ---TGGCAGCT-----
M88: ---CCCAGCTT---
M89: ---GCCAGAGC---
M90: ---TGCAGCCA---
```

Familial Profile:
(click for matrix)



Motif Tree

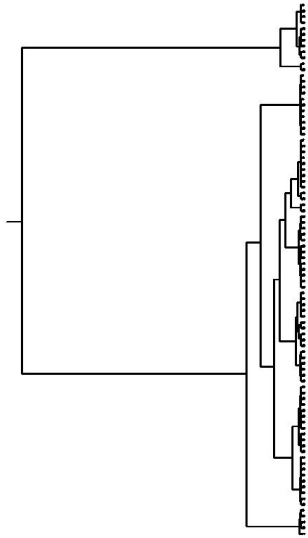
Tree (drawn by [Phylip](#))

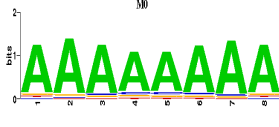

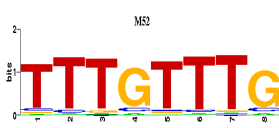

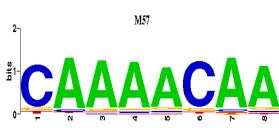

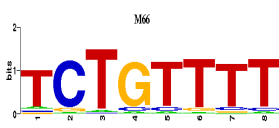

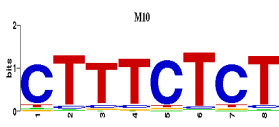

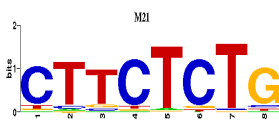

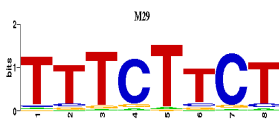

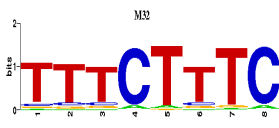

[Click here for Newick-format tree \(viewable with MEGA\)](#)

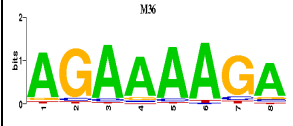
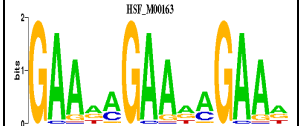



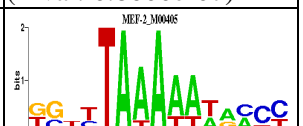







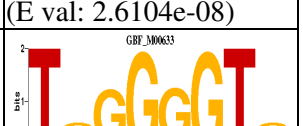

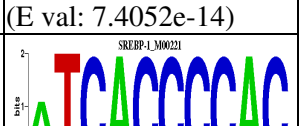
Input Motif

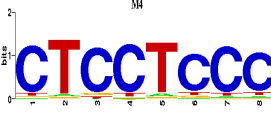








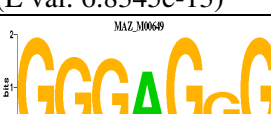


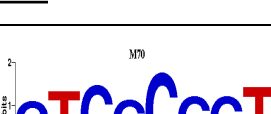



Best match in
TRANSFAC

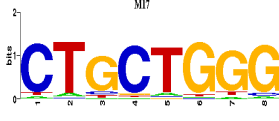

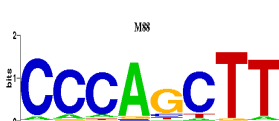


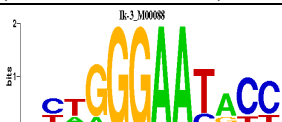



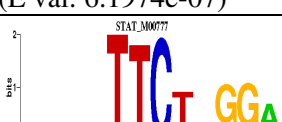


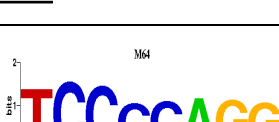
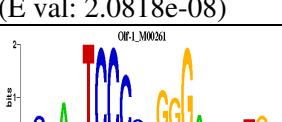

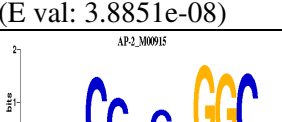
--	--

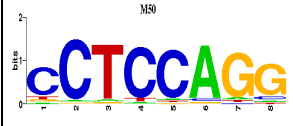

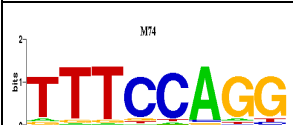
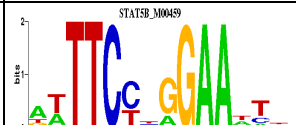
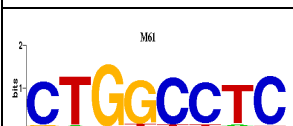



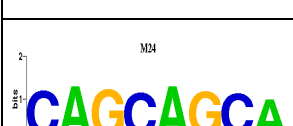
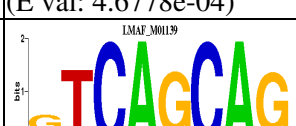

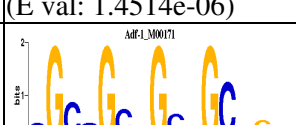

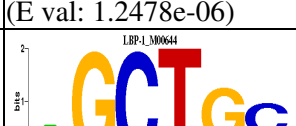

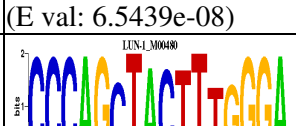


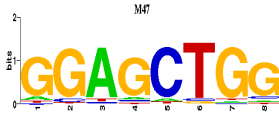

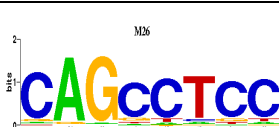

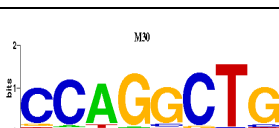



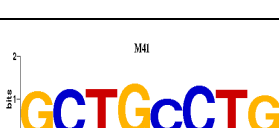
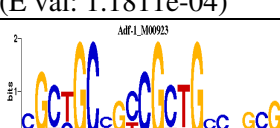

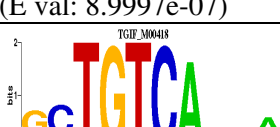

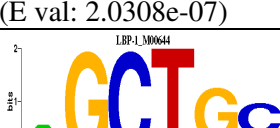


<p>M0</p> 	<p>Hb_M00022</p>  <p>(E val: 1.0779e-06)</p>
<p>M52</p> 	<p>HFH4_M00742</p>  <p>(E val: 4.8176e-08)</p>
<p>M57</p> 	<p>HNF3alpha_M00724</p>  <p>(E val: 3.9639e-06)</p>
<p>M66</p> 	<p>HSF_M00167</p>  <p>(E val: 4.9229e-06)</p>
<p>M10</p> 	<p>PU.1_M00658</p>  <p>(E val: 4.2343e-06)</p>
<p>M21</p> 	<p>GATA-2_M00349</p>  <p>(E val: 2.9660e-05)</p>
<p>M29</p> 	<p>Rim101p_M01030</p>  <p>(E val: 1.2520e-06)</p>
<p>M32</p> 	<p>STE11_M01005</p>  <p>(E val: 2.3459e-08)</p>

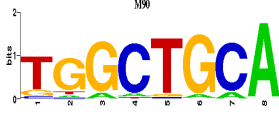

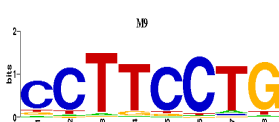

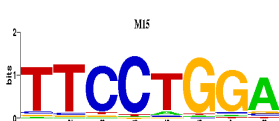

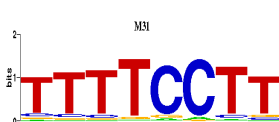

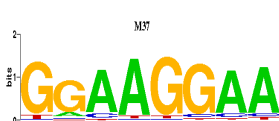

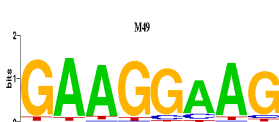





<p>M36</p>  <p>M36</p>	<p>HSF_M00163</p>  <p>HSF_M00163 (E val: 1.5105e-09)</p>
<p>M86</p>  <p>M86</p>	<p>STE11_M01005</p>  <p>STE11_M01005 (E val: 6.8600e-07)</p>
<p>M3</p>  <p>M3</p>	<p>MEF-2_M00405</p>  <p>MEF-2_M00405 (E val: 2.6317e-06)</p>
<p>M84</p>  <p>M84</p>	<p>Nkx6-1_M00424</p>  <p>Nkx6-1_M00424 (E val: 9.2729e-11)</p>
<p>M1</p>  <p>M1</p>	<p>MAZR_M00491</p>  <p>MAZR_M00491 (E val: 9.1951e-12)</p>
<p>M73</p>  <p>M73</p>	<p>CAC-binding_M00720</p>  <p>CAC-binding_M00720 (E val: 2.6104e-08)</p>
<p>M19</p>  <p>M19</p>	<p>GBF_M00633</p>  <p>GBF_M00633 (E val: 7.4052e-14)</p>
<p>M42</p>  <p>M42</p>	<p>SREBP-1_M00221</p>  <p>SREBP-1_M00221 (E val: 8.4734e-09)</p>

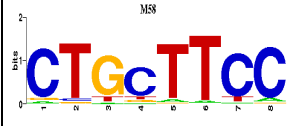

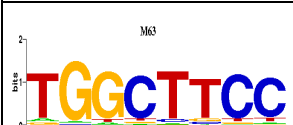
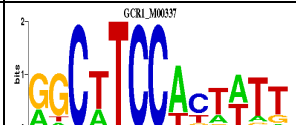


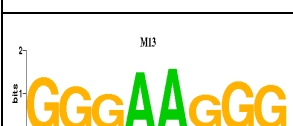




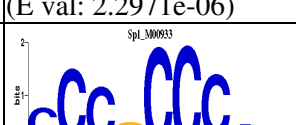

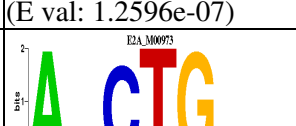

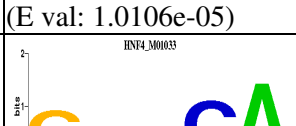
 <p>M4</p>	 <p>MAZ_M00649 (E val: 2.1081e-07)</p>
 <p>M35</p>	 <p>MAZ_M00649 (E val: 1.9656e-07)</p>
 <p>M5</p>	 <p>MAZ_M00649 (E val: 2.0682e-11)</p>
 <p>M6</p>	 <p>TFII-I_M00706 (E val: 6.8345e-13)</p>
 <p>M11</p>	 <p>MAZ_M00649 (E val: 2.1091e-07)</p>
 <p>M18</p>	 <p>UF1H3BETA_M01068 (E val: 1.6828e-07)</p>
 <p>M70</p>	 <p>MZF1_M00084 (E val: 2.8262e-07)</p>
 <p>M7</p>	 <p>CAC-binding_M00720 (E val: 7.0097e-09)</p>

<p>M17</p>  <p>M17</p>	<p>LMAF_M01139</p>  <p>LMAF_M01139 (E val: 1.4477e-06)</p>
<p>M88</p>  <p>M88</p>	<p>LUN-1_M00480</p>  <p>LUN-1_M00480 (E val: 2.9075e-07)</p>
<p>M8</p>  <p>M8</p>	<p>Ik-3_M00088</p>  <p>Ik-3_M00088 (E val: 7.1688e-07)</p>
<p>M27</p>  <p>M27</p>	<p>Ik-3_M00088</p>  <p>Ik-3_M00088 (E val: 6.1974e-07)</p>
<p>M43</p>  <p>M43</p>	<p>STAT_M00777</p>  <p>STAT_M00777 (E val: 5.8084e-10)</p>
<p>M65</p>  <p>M65</p>	<p>Lyf-1_M00141</p>  <p>Lyf-1_M00141 (E val: 2.0818e-08)</p>
<p>M64</p>  <p>M64</p>	<p>Olf-1_M00261</p>  <p>Olf-1_M00261 (E val: 3.8851e-08)</p>
<p>M76</p>  <p>M76</p>	<p>AP-2_M00915</p>  <p>AP-2_M00915 (E val: 7.2538e-07)</p>

<p>M50</p> 	<p>Barbie_M00238</p>  <p>Barbie_M00238 (E val: 2.1070e-05)</p>
<p>M74</p> 	<p>STAT5B_M00459</p>  <p>STAT5B_M00459 (E val: 1.2148e-08)</p>
<p>M61</p> 	<p>Poly_M00211</p>  <p>Poly_M00211 (E val: 2.1203e-05)</p>
<p>M69</p> 	<p>ZBRK1_M01105</p>  <p>ZBRK1_M01105 (E val: 4.6778e-04)</p>
<p>M24</p> 	<p>LMAF_M01139</p>  <p>LMAF_M01139 (E val: 1.4514e-06)</p>
<p>M28</p> 	<p>Adf-1_M00171</p>  <p>Adf-1_M00171 (E val: 1.2478e-06)</p>
<p>M85</p> 	<p>LBP-1_M00644</p>  <p>LBP-1_M00644 (E val: 6.5439e-08)</p>
<p>M45</p> 	<p>LUN-1_M00480</p>  <p>LUN-1_M00480 (E val: 3.8038e-06)</p>

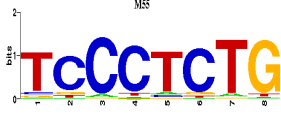

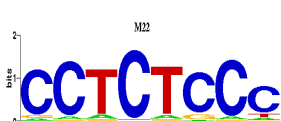








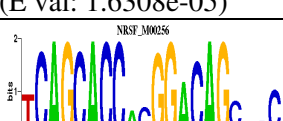

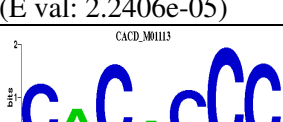
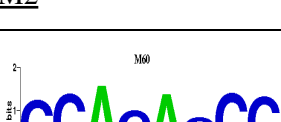
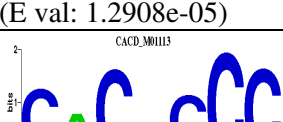
<p>M47</p> 	<p>TAL1_M00993</p>  <p>(E val: 7.4620e-07)</p>
<p>M26</p> 	<p>SMAD4_M00733</p>  <p>(E val: 3.9846e-05)</p>
<p>M30</p> 	<p>AP-2_M00800</p>  <p>(E val: 5.6770e-05)</p>
<p>M82</p> 	<p>LBP-1_M00644</p>  <p>(E val: 1.1811e-04)</p>
<p>M41</p> 	<p>Adf-1_M00923</p>  <p>(E val: 8.9997e-07)</p>
<p>M72</p> 	<p>TGIF_M00418</p>  <p>(E val: 2.0308e-07)</p>
<p>M87</p> 	<p>LBP-1_M00644</p>  <p>(E val: 1.9083e-07)</p>
<p>M48</p> 	<p>GLI_M01037</p>  <p>(E val: 1.8433e-05)</p>

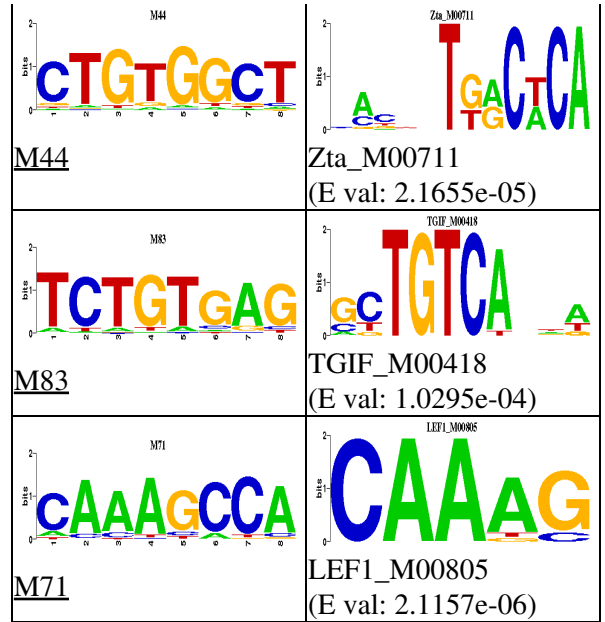
<p>M90</p> 	<p>SMAD4_M00733</p>  <p>SMAD4_M00733 (E val: 7.9798e-07)</p>
<p>M9</p> 	<p>Tel-2_M00678</p>  <p>Tel-2_M00678 (E val: 3.1576e-09)</p>
<p>M15</p> 	<p>STAT5B_M00459</p>  <p>STAT5B_M00459 (E val: 2.3530e-10)</p>
<p>M31</p> 	<p>Helios_M01004</p>  <p>Helios_M01004 (E val: 2.6288e-11)</p>
<p>M37</p> 	<p>MAF_M00648</p>  <p>MAF_M00648 (E val: 5.7431e-06)</p>
<p>M49</p> 	<p>MAF_M00648</p>  <p>MAF_M00648 (E val: 2.2469e-07)</p>
<p>M38</p> 	<p>PU.1_M00658</p>  <p>PU.1_M00658 (E val: 8.2390e-06)</p>
<p>M62</p> 	<p>PU.1_M00658</p>  <p>PU.1_M00658 (E val: 9.0049e-11)</p>

<p>M58</p> 	<p>c-Ets-1_M00743</p>  <p>(E val: 1.0598e-06)</p>
<p>M63</p> 	<p>GCR1_M00337</p>  <p>(E val: 5.2234e-07)</p>
<p>M67</p> 	<p>GCR1_M00337</p>  <p>(E val: 2.6855e-04)</p>
<p>M13</p> 	<p>UF1H3BETA_M01068</p>  <p>(E val: 2.9450e-07)</p>
<p>M23</p> 	<p>PBF_M01130</p>  <p>(E val: 2.2971e-06)</p>
<p>M16</p> 	<p>Sp1_M00933</p>  <p>(E val: 1.2596e-07)</p>
<p>M59</p> 	<p>E2A_M00973</p>  <p>(E val: 1.0106e-05)</p>
<p>M51</p> 	<p>HNF4_M01033</p>  <p>(E val: 1.4072e-04)</p>

<p>M40</p>	<p>HEB_M00698</p>
<p>M40</p>	<p>(E val: 2.4229e-05)</p>
<p>M12</p>	<p>Dde_M00304</p>
<p>M12</p>	<p>(E val: 3.1499e-06)</p>
<p>M20</p>	<p>Dde_M00304</p>
<p>M20</p>	<p>(E val: 2.9997e-06)</p>
<p>M34</p>	<p>LMAF_M01139</p>
<p>M34</p>	<p>(E val: 8.9521e-06)</p>
<p>M75</p>	<p>LMAF_M01139</p>
<p>M75</p>	<p>(E val: 1.8379e-05)</p>
<p>M25</p>	<p>Eve_M00629</p>
<p>M25</p>	<p>(E val: 7.1616e-06)</p>
<p>M39</p>	<p>STAT_M00777</p>
<p>M39</p>	<p>(E val: 4.8148e-04)</p>
<p>M89</p>	<p>BRK_M01096</p>
<p>M89</p>	<p>(E val: 2.1157e-05)</p>

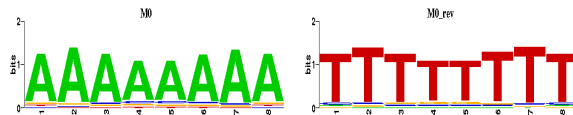
<p>M79</p>	<p>HSF_M00167</p>
<p>M79 (E val: 9.6729e-06)</p>	<p>HSF_M00167 (E val: 9.6729e-06)</p>
<p>M46</p>	<p>Dde_M00304</p>
<p>M46 (E val: 8.1511e-10)</p>	<p>Dde_M00304 (E val: 8.1511e-10)</p>
<p>M80</p>	<p>AP-4_M00175</p>
<p>M80 (E val: 1.3389e-07)</p>	<p>AP-4_M00175 (E val: 1.3389e-07)</p>
<p>M81</p>	<p>Dde_M00304</p>
<p>M81 (E val: 1.8838e-06)</p>	<p>Dde_M00304 (E val: 1.8838e-06)</p>
<p>M78</p>	<p>NF-E2_M00037</p>
<p>M78 (E val: 4.4629e-07)</p>	<p>NF-E2_M00037 (E val: 4.4629e-07)</p>
<p>M14</p>	<p>GAGA_M00723</p>
<p>M14 (E val: 1.6714e-06)</p>	<p>GAGA_M00723 (E val: 1.6714e-06)</p>
<p>M33</p>	<p>GAGA_M00723</p>
<p>M33 (E val: 1.1581e-06)</p>	<p>GAGA_M00723 (E val: 1.1581e-06)</p>
<p>M77</p>	<p>GAGA_M00723</p>
<p>M77 (E val: 2.3337e-07)</p>	<p>GAGA_M00723 (E val: 2.3337e-07)</p>

<p>M55</p>  <p>M55</p>	<p>TFII-I_M00706</p>  <p>TFII-I_M00706 (E val: 1.7764e-05)</p>
<p>M22</p>  <p>M22</p>	<p>MAZ_M00649</p>  <p>MAZ_M00649 (E val: 1.1881e-06)</p>
<p>M54</p>  <p>M54</p>	<p>TBX5_M01044</p>  <p>TBX5_M01044 (E val: 1.9277e-04)</p>
<p>M68</p>  <p>M68</p>	<p>Ttk_M00009</p>  <p>Ttk_M00009 (E val: 1.7832e-04)</p>
<p>M53</p>  <p>M53</p>	<p>TFII-I_M00706</p>  <p>TFII-I_M00706 (E val: 1.6308e-05)</p>
<p>M56</p>  <p>M56</p>	<p>NRSF_M00256</p>  <p>NRSF_M00256 (E val: 2.2406e-05)</p>
<p>M2</p>  <p>M2</p>	<p>CACD_M01113</p>  <p>CACD_M01113 (E val: 1.2908e-05)</p>
<p>M60</p>  <p>M60</p>	<p>CACD_M01113</p>  <p>CACD_M01113 (E val: 1.1738e-10)</p>



Motif Similarity Matches

M0

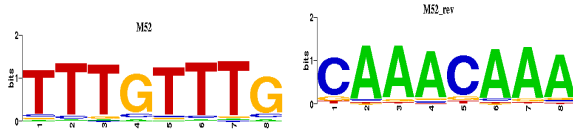


forward

reverse compliment

Name	E value	Alignment	Motif
Hb_M00022	1.0779e-06	AAAAAAA- MRNAAAAAN	
MEF-2_M00006	2.2432e-06	----TTTTTTTT-- RGRGTTATTTTTAGA	
MEF-2_M00406	2.9523e-06	----TTTTTTTT-- NGGGTTATTTTTAGM	
aMEF-2_M00403	4.2510e-06	----TTTTTTTT---- KKRGNTATTTTTARNCM	
MEF-2_M00405	5.2438e-06	--TTTTTTTT---- RGKNWTTTTTANNM	

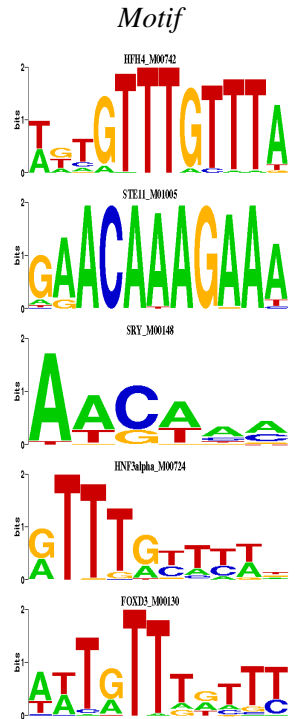
M52



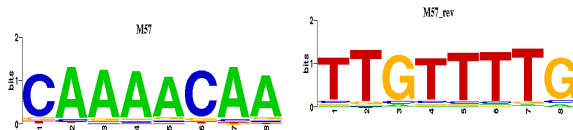
forward

reverse compliment

Name	E value	Alignment
HFH4_M00742	4.8176e-08	----CAAACAAA TAAACAAACAMW
STE11_M01005	1.8029e-07	TTTGTTTG--- TTTCTTTGTTTC
SRY_M00148	4.3910e-07	TTTGTTTG KNTGTT--
HNF3alpha_M00724	6.6189e-07	-CAAACAAA- NWRARCAAA
FOXD3_M00130	1.4099e-06	CAAACAAA---- -AAANAAACAWT



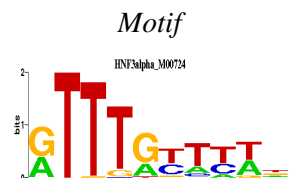
M57



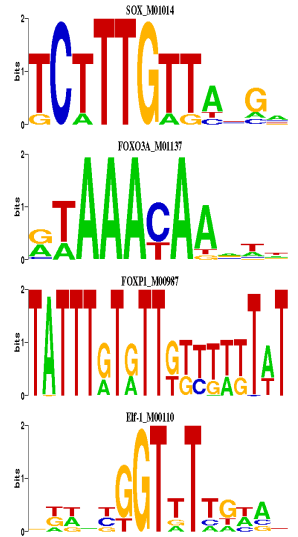
forward

reverse compliment

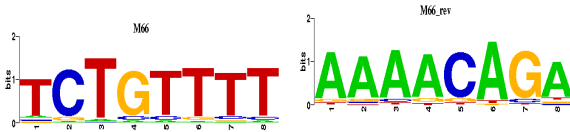
Name	E value	Alignment
HNF3alpha_M00724	3.9639e-06	--TTGTTTGG RTTTGTYWYN



SOX_M01014	7.8936e-06	---TTGTTTTG- TCTTTGTTANGN
FOXO3A_M01137	2.5038e-05	---TTGTTTTG NNNTTGTTTAY
FOXP1_M00987	3.3273e-05	-----TTGTTTTG--- TATTTGTGTTGTTTTTAT
Elf-1_M00110	3.3892e-05	---CAAACAA--- NNNNNANACCNNNNN



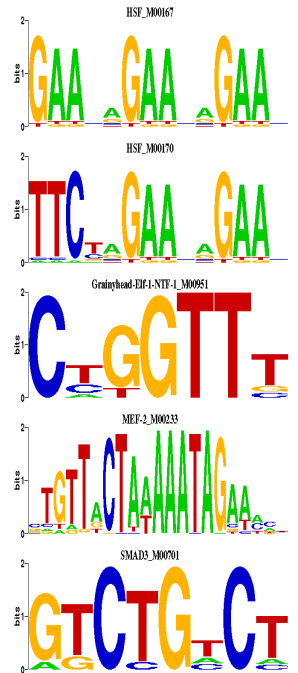
M66



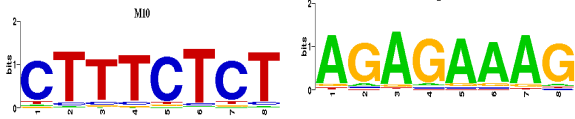
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HSF_M00167	4.9229e-06	----AAAACAGA-- GAANNGAANNGAAN	
HSF_M00170	4.9229e-06	----AAAACAGA-- TTCNNGAANNGAAN	
Grainyhead-Elf-1-NTF-1_M00951	1.1293e-05	AAAACAGA AAACCRG-	
MEF-2_M00233	1.3114e-05	----TCTGTTTT----- NNNTTCTATTTTTAGTAACAN	
SMAD3_M00701	4.4426e-05	AAAACAGA- -AGNCAGAC	



M10

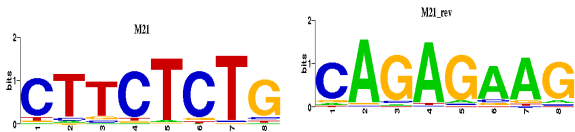


forward

reverse compliment

Name	E value	Alignment	Motif
PU.1_M00658	4.2343e-06	AGAGAAAG -GAGGAAG	
BLIMP1_M01066	5.9757e-06	--CTTTCTCT-- YMCTTTCMCTTYC	
Elf-1_M00746	6.3995e-06	-CTTTCTCT-- AYTTCCTCTTN	
BPC1_M01126	1.1169e-05	CTTTCTCT NTTC---	
IRF_M00972	3.3692e-05	CTTTCTCT-- NTTTCWNTTT	

M21



forward

reverse compliment

Name	E value	Alignment	Motif
GATA-2_M00349	2.9660e-05	CAGAGAAG- SAGATAANA	
Sry-beta_M00666	4.8208e-05	CAGAGAAG- -AGWGATGC	

Stamp Results

10/01/13

GATA-1_M00347 1.1964e-04

-CTTCTCTG
YNTTATCTN



STE11_M01005 1.8409e-04

CTTCTCTG---
TTTCTTTGTTT

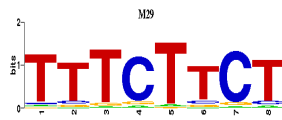


PEND_M01015 2.3205e-04

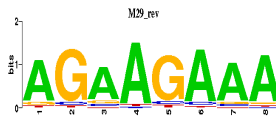
-CTTCTCTG
ACTTCTT--



M29



forward



reverse compliment

Name

E value

Alignment

Motif

Rim101p_M01030 1.2520e-06

TTTCTTCT
TTNCTTG-



Elf-1_M00746 9.0802e-06

-TTTCTTCT--
AYTTCCTCTN



STE11_M01005 2.7757e-05

TTTCTTCT---
TTTCTTTGTTT



HSF_M00163 3.6535e-05

-----TTTCTTCT-
NTTCTNTTCTNTTC

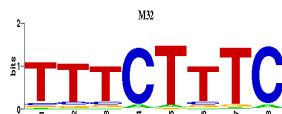


HSF_M00164 3.6535e-05

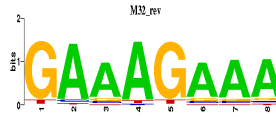
-----TTTCTTCT-
AGAANNTTCTNTTC



M32



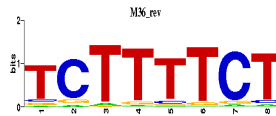
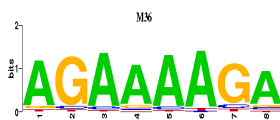
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STE11_M01005	2.3459e-08	TTTCTTTC--- TTTCTTTGTC	
STE11_M00274	4.1288e-07	-----GAAAGAAA-- WNNNNAACAAAGAAANW	
Rim101p_M01030	1.7548e-06	TTTCTTTC TTNCTTG--	
HSF_M00163	5.9953e-06	-----TTTCTTTC- NTTCTNTTCTNTTC	
HSF_M00164	5.9953e-06	-----TTTCTTTC- AGAANNTTCTNTTC	

M36



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HSF_M00163	1.5105e-09	--TCTTTTCT---- NTTCTNTTCTNTTC	
HSF_M00166	1.5105e-09	--TCTTTTCT---- NTTCTNTTCTAGAA	

GATA-2_M00349 1.6656e-07

TCTTTTCT-
TNTTATCTS



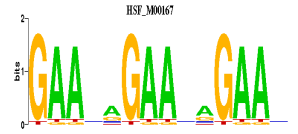
GATA-3_M00350 2.9850e-07

TCTTTTCT-
TNTTATCTY

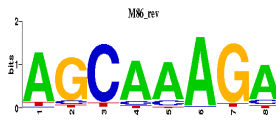
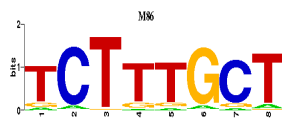


HSF_M00167 3.3337e-07

--TCTTTTCT----
NTTCNNTTCNNTTC



M86



forward

reverse compliment

Name

E value

Alignment

Motif

STE11_M01005 6.8600e-07

--TCTTTGCT-
TTTCTTTGTTC



LEF1_M00805 2.3590e-06

TCTTTGCT
-CTTTG--



SOX_M01014 2.8645e-06

----AGCAAAGA
NCNTAACAAAGA



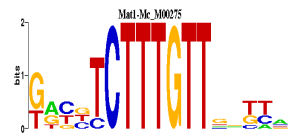
STE11_M00274 7.5721e-06

----AGCAAAGA----
WNNNNAACAAAGAAANW

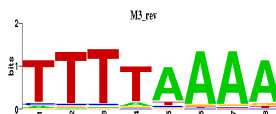
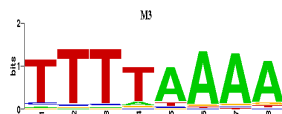


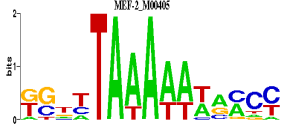

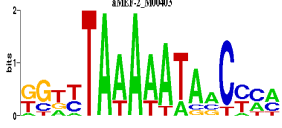

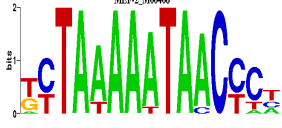
Mat1-Mc_M00275 9.3868e-06

----AGCAAAGA----
NRMNNAACAAAGANRYC

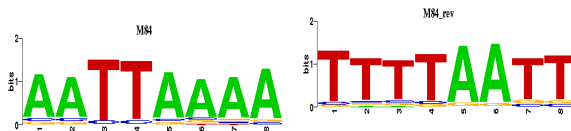




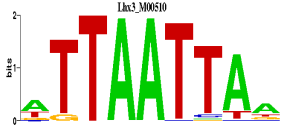
M3



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MEF-2_M00405	2.6317e-06	-----TTTTAAAA- RGKNWTTTTTANNSM	
TATA_M00216	5.7559e-06	-TTTTAAAA NTTTTATAG	
aMEF-2_M00403	1.7691e-05	-----TTTTAAAA- KKRGNTATTTTTARNCM	
Abd-B_M01094	2.5227e-05	TTTTAAAA --ATAAAA	
MEF-2_M00406	1.3073e-04	-----TTTTAAAA NGGGTTATTTTTAGM-	

M84

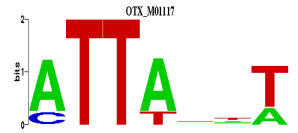


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Nkx6-1_M00424	9.2729e-11	----AATTAAAA AANCAATTAAAW	
Nkx2-5_M00241	1.4696e-06	-AATTAAAA NAATTAW--	
Lhx3_M00510	3.4136e-06	--AATTAAAA NTAATTAAW-	

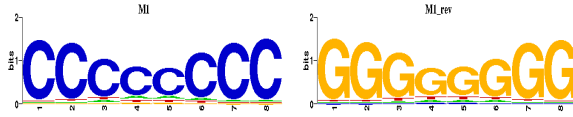
CF1A_M01098 4.4101e-06
 -TTTTAATT-----
 NTTTNAAYTNATTAW



OTX_M01117 4.4172e-06
 TTTTAATT
 -ATTANNT



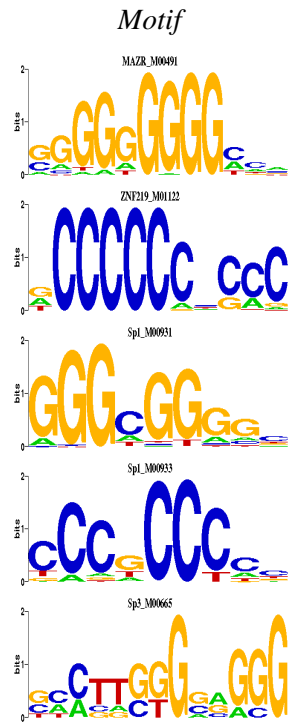
M1



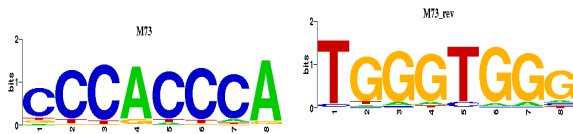
forward

reverse compliment

Name	E value	Alignment
MAZR_M00491	9.1951e-12	---CCCCCCC- NNKCCCCCCCCS
ZNF219_M01122	2.1164e-10	--GGGGGGGG- GGNGGGGGGN
Sp1_M00931	2.5470e-07	-CCCCCCCC NCCCCGCC
Sp1_M00933	5.9988e-07	-GGGGGGGG NGGGGMGG
Sp3_M00665	7.0280e-07	CCCCCCCC----- CCCYSCCAAGKS








M73

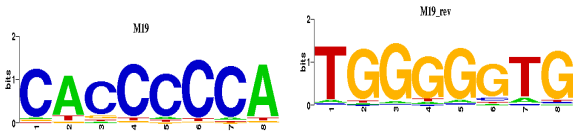


forward

reverse compliment



<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CAC-binding_M00720	2.6104e-08	CCCACCCA CCCASCCY	
GLI_M01037	4.0218e-08	--CCCACCCA- NGACCACCCAN	
NGFI-C_M00244	5.3644e-07	TGGGTGGG--- TGCGTGGGYGG	
Egr-3_M00245	7.2060e-07	TGGGTGGG--- TGCGTGGGCGT	
Egr-1_M00243	7.4638e-07	---CCCACCCA MCGCCCACGCA	

M19



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GBF_M00633	7.4052e-14	CACCCCA NACCCNA	
UF1H3BETA_M01068	1.3051e-07	----CACCCCA- GCCCTCCCCRC	
Egr_M00807	2.6515e-06	--CACCCCA NYYGCSCCA	
CACD_M01113	7.6092e-06	CACCCCA CACRCC-	

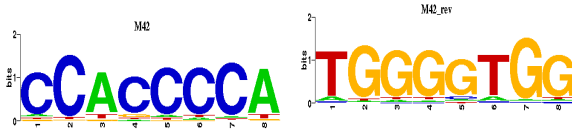
Alfin1_M00479

1.1176e-05

CACCCCCA-----
MNNCCCCACNYNYN



M42

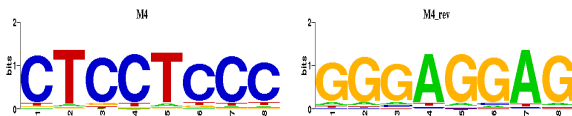


forward

reverse compliment

Name	E value	Alignment	Motif
SREBP-1_M00221	8.4734e-09	-TGGGGTGG- GTGGGGTIGAT	
SREBP-1_M00749	4.6870e-08	TGGGGTGG TGGSGT--	
ROM_M00700	5.2435e-08	TGGGGTGG TGASGTGG	
SREBP_M00776	1.6340e-07	---CCACCCCCA NNNTCACCCYA	
CAC-binding_M00720	5.5456e-07	-CCACCCCCA CCCASCCY-	





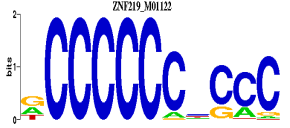
M4



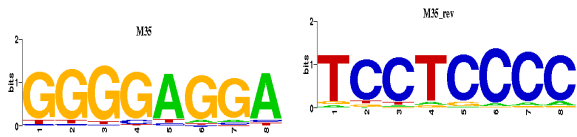
forward

reverse compliment

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





MAZ_M00649	2.1081e-07	GGGAGGAG GGGAGGG-	
Tra-1_M01048	2.4487e-06	CTCCTCCC -ACCWCCC	
UF1H3BETA_M01068	3.0006e-06	-CTCCTCCC---- GCCCCCTCCCCRC	
TFII-I_M00706	1.6460e-05	CTCCTCCC-- --CCTMCNTC	
ZNF219_M01122	2.7199e-05	GGGAGGAG--- GGGNNGGGGGGN	

M35



forward

reverse compliment

Name	E value	Alignment	Motif
MAZ_M00649	1.9656e-07	TCCTCCCC CCCTCCC-	
UF1H3BETA_M01068	2.2094e-07	--TCCTCCCC--- GCCCCCTCCCCRC	
Tra-1_M01048	2.3218e-06	TCCTCCCC ACCWCCC-	
Sp1_M00933	1.0277e-05	-GGGGAGGA NGGGGMGGG	

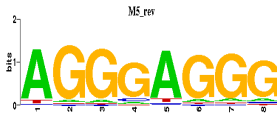
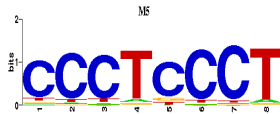
TFII-I_M00706

1.0480e-05

TCCTCCCC-
-CCTMCNTC



M5

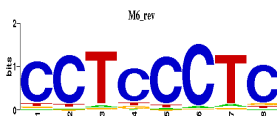
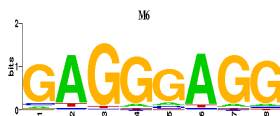


forward

reverse compliment

Name	E value	Alignment	Motif
MAZ_M00649	2.0682e-11	AGGGAGGG -GGGAGGG	
TFII-I_M00706	1.2694e-08	-AGGGAGGG GANGKAGG-	
CAC-binding_M00720	3.0968e-08	AGGGAGGG RGGSTGGG	
UF1H3BETA_M01068	2.1139e-07	--CCCTCCCT-- GCCCTCCCCRC	
ZNF219_M01122	2.3835e-06	AGGGAGGG---- -GGNGGGGGGN	





M6



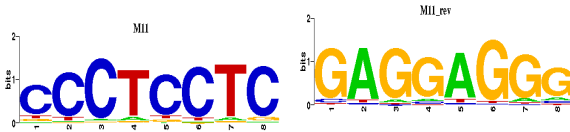
forward

reverse compliment

Name	E value	Alignment	Motif
TFII-I_M00706	6.8345e-13	GAGGGAGG GANGKAGG	




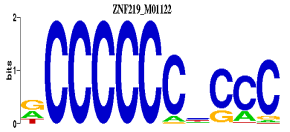

MAZ_M00649	2.0460e-07	-CCTCCCTC CCCTCCC--	
Tra-1_M01048	2.6699e-06	-CCTCCCTC ACCWCCC--	
UF1H3BETA_M01068	3.4931e-06	--GAGGGAGG--- GYGGGGGAGGGGC	
PU.1_M00658	5.3690e-06	CCTCCTC -CTTCCTC	

M11

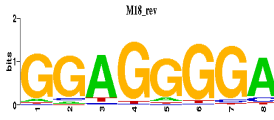
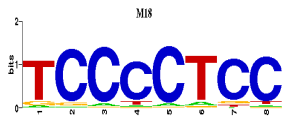


forward

reverse compliment

Name	E value	Alignment	Motif
MAZ_M00649	2.1091e-07	CCCTCCTC CCCTCCC-	
UF1H3BETA_M01068	3.4363e-06	---GAGGGAGG-- GYGGGGGAGGGGC	
PU.1_M00658	6.8314e-06	CCCTCCTC -CTTCCTC	
ZNF219_M01122	2.2281e-05	-CCCTCCTC-- NCCCCCNCCC	
Sp1_M00933	4.5142e-05	CCCTCCTC- CCCKCCCN	

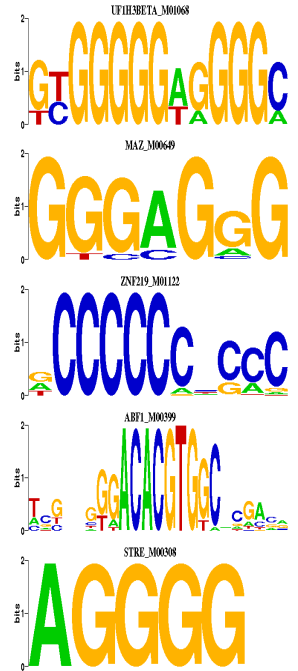
M18



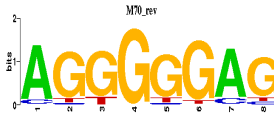
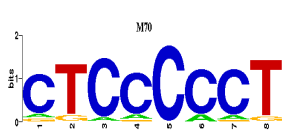
forward

reverse compliment

Name	E value	Alignment
UF1H3BETA_M01068	1.6828e-07	TCCCCTCC----- GCCCCTCCCCRC
MAZ_M00649	2.1218e-07	TCCCCTCC-- --CCCTCCC
ZNF219_M01122	2.4491e-06	--GGAGGGGA-- GGNGGGGGGN
ABF1_M00399	1.5436e-05	-----TCCCCTCC-- NNTCNGCCACGTGTCCCNNNW
STRE_M00308	1.8744e-05	TCCCCTCC NCCCCT--



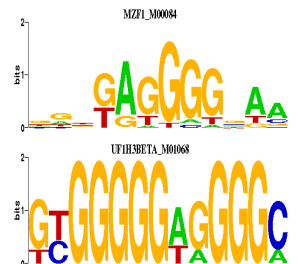
M70



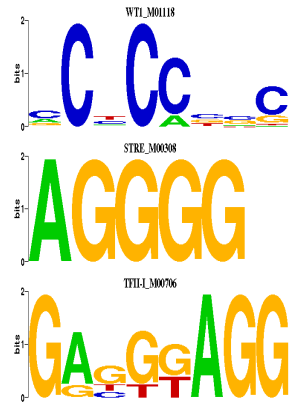
forward

reverse compliment

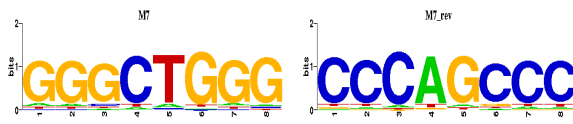
Name	E value	Alignment
MZF1_M00084	2.8262e-07	----AGGGGGAG NNGAGGGGNAA
UF1H3BETA_M01068	5.2107e-07	----CTCCCCCT-- GCCCCTCCCCRC



WT1_M01118	6.4871e-06	AGGGGGAG- -GNNGGNGN
STRE_M00308	2.1201e-05	CTCCCCCT --NCCCCT
TFII-I_M00706	2.6254e-05	-CTCCCCCT CCTMCNTC-



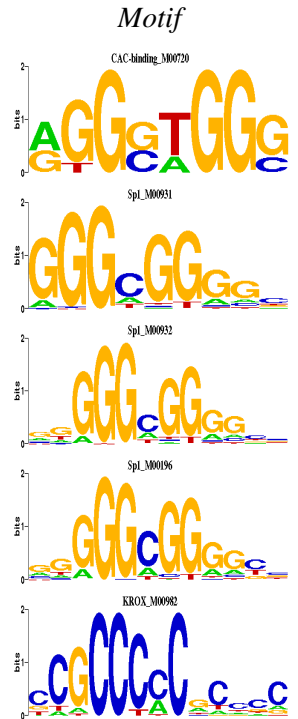
M7



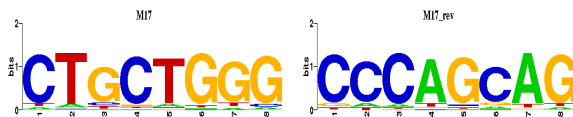
forward






reverse compliment

Name	E value	Alignment
CAC-binding_M00720	7.0097e-09	CCCAGCCC CCCASCCY
Sp1_M00931	6.6766e-08	GGGCTGGG- GGGCGGGN
Sp1_M00932	1.1620e-06	--CCCAGCCC-- NNCCCCGCCCN
Sp1_M00196	1.3406e-06	--CCCAGCCC-- NNCCCCGCCCN
KROX_M00982	4.4963e-06	----CCCAGCCC- CCGCCCCCNCNN

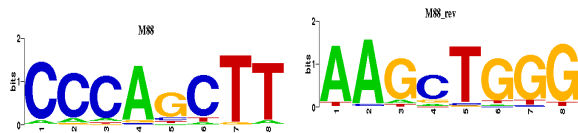





M17



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LMAF_M01139	1.4477e-06	CTGCTGGG CTGCTGAS	
HEB_M00698	5.4877e-06	CTGCTGGG CAGCWGG-	
AP-4_M00176	7.7773e-05	-CTGCTGGG NCAGCTGNN	
CAC-binding_M00720	1.3226e-04	CCCAGCAG CCCASCCY	
LUN-1_M00480	1.6963e-04	-----CTGCTGGG TCCCAAAGTAGCTGGG	

M88



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LUN-1_M00480	2.9075e-07	-----AAGCTGGG TCCCAAAGTAGCTGGG	
Barbie_M00238	4.2833e-07	----AAGCTGGG-- NNNAAAGSNGNNKG	
HEB_M00698	1.1215e-06	AAGCTGGG CAGCWGG-	

LBP-1_M00644 3.5897e-06

CCCAGCTT
-SCAGCN-



AP-4_M00176 1.1606e-05

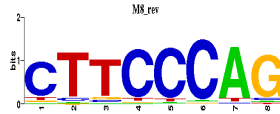
CCCAGCTT-
NNCAGCTGN



M8



forward



reverse compliment

Name

E value

Alignment

Motif

Ik-3_M00088

7.1688e-07

---CTTCCcAG-
GGTATTCCcNRN



RBP-Jkappa_M01112

1.3829e-05

CTTCCcAG--
KTTCCcACGN



Lyf-1_M00141

1.9059e-05

CTTCCcAG
YCTCCcAA



NF-kappaB_M00208

3.3224e-05

CTGGGAAG----
-NGGAAARTCCc



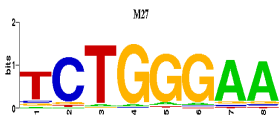
Su_H_M00234

7.5031e-05

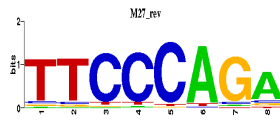
--CTGGGAAG--
NYGTGGGAAMcN








M27



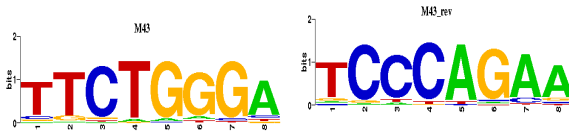
forward



reverse compliment



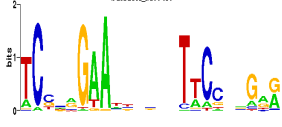
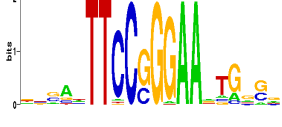
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Ik-3_M00088	6.1974e-07	----TTCCCAGA GGTATTCCCNRN	
STAT_M00777	1.4754e-06	TTCCCAGA---- -TCCNAGAANNNN	
Su_H_M00234	3.7673e-06	---TTCCCAGA- NGKTTCCCACRN	
STATx_M00223	9.9288e-06	TTCCCAGA- -TCCCRKAA	
RBP-Jkappa_M01112	1.3562e-05	-TCTGGGAA- NCGTGGGAAM	

M43



forward

reverse compliment

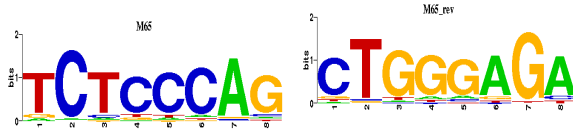
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STAT_M00777	5.8084e-10	TCCCAGAA---- TCCNAGAANNNN	
STATx_M00223	3.6907e-09	TTCTGGGA TTMYGGGA	
STAT5A_M00460	3.9707e-08	-----TTCTGGGA YNCNNGGAANNNNNTTCNNGA	
STAT1_M00224	2.1673e-05	-----TCCCAGAA----- NSNCANTTCCCAGGAANNNNN	

STAT5A_M00457 2.8028e-05

----TCCCAGAA--
NRNTTCCNRGAANY



M65

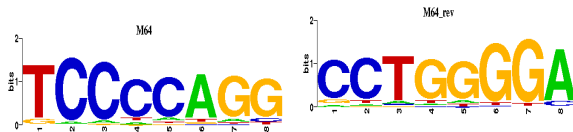


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Lyf-1_M00141	2.0818e-08	TCTCCCAG YCTCCCAA	
RBP-Jkappa_M01111	1.7211e-04	-CTGGGAGA NGTGGGA--	
MAZ_M00649	2.1121e-04	-TCTCCCAG CCCTCCC--	
Ik-3_M00088	3.7133e-04	---TCTCCCAG- GGTATTCCNRN	
RBP-Jkappa_M01112	3.9509e-04	TCTCCCAG-- KTTCCACGN	

M64



forward

reverse compliment

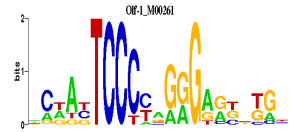
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
-------------	----------------	------------------	--------------

Stamp Results

10/01/13

Olf-1_M00261 3.8851e-08

-----TCCCAGG-----
NCNANTCCCYGGGARNNKGN



AP-2_M00915 5.7037e-07

--CCTGGGGA--
NGCCNGNGGNNN



EBF_M00977 9.9176e-07

--CCTGGGGA
NCYCWRGGGA



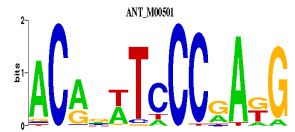
AP-2gamma_M00470 2.2985e-05

TCCCAGG
SCCNNNGG

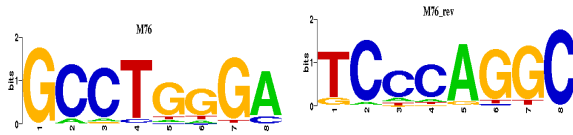


ANT_M00501 6.5140e-05

CCTGGGGA-----
CMTYGGGAWNTGT



M76



forward

reverse compliment

Name

E value

Alignment

Motif

AP-2_M00915 7.2538e-07

-GCCTGGGA---
NGCCNGNGGNNN



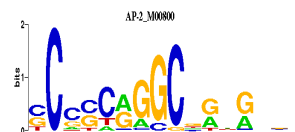
RBP-Jkappa_M01111 2.0790e-05

GCCTGGGA
-NGTGGGA



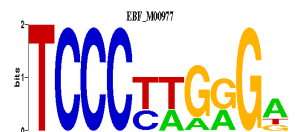
AP-2_M00800 9.6574e-05

-----GCCTGGGA-
NNYNYNGCCYGSSGS



EBF_M00977 1.0157e-04

TCCCAGGC--
NCYCWRGGGA

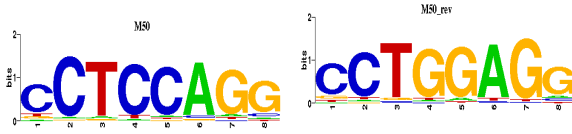


RBP-Jkappa_M01112 1.7264e-04

--TCCCAGGC
KTTCCCACGN



M50

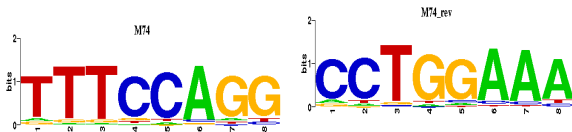


forward

reverse compliment

Name	E value	Alignment	Motif
Barbie_M00238	2.1070e-05	-----CCTGGAGG NNNAAAGSNGNNGK	
ZAP1_M00754	5.8210e-05	-CCTGGAGG- ACCTTKAGGG	
Pax-6_M00979	8.6811e-05	--CCTCCAGG--- KAGTTCAGGTCA	
BRK_M01096	2.1731e-04	CCTGGAGG -NTGGCG-	
MAZ_M00649	2.2320e-04	-CCTCCAGG CCCTCCC--	

M74



forward

reverse compliment

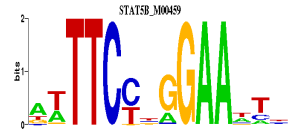
Name	E value	Alignment	Motif
------	---------	-----------	-------

Stamp Results

10/01/13

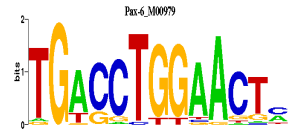
STAT5B_M00459 1.2148e-08

--TTTCCAGG----
NRNTTCCNGGAAWN



Pax-6_M00979 1.2051e-07

--TTTCCAGG---
KAGTTCCAGGTCA



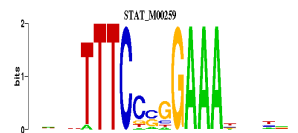
STAT5A_M00457 4.2730e-07

----CCTGGAAA--
RNTTCYNGGAANYN



STAT_M00259 9.8138e-06

-----CCTGGAAA-----
NNNNNTTTCSSGAAANNNN

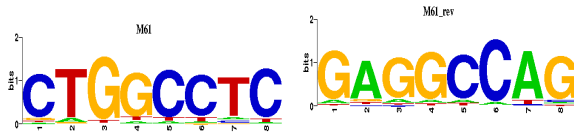


NF-AT_M00935 1.4744e-05

CCTGGAAA---
--WGGAAANWN



M61



forward

reverse compliment

Name E value

Alignment

Motif

Poly_M00211 2.1203e-05

GAGGCCAG
GAGACCAC



BRK_M01096 2.3030e-05

CTGGCCTC
NTGGCG--



GAL4_M00049 4.5889e-04

-----GAGGCCAG-----
STTCGGASNANWGTNNNCCGNN



GAL4_M00198 1.0625e-03

-----GAGGCCAG-----
NGYTCGGNNNANAGNNNNCCG

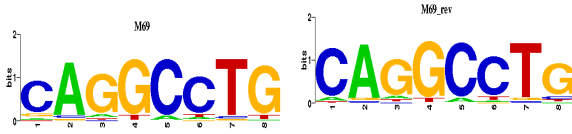


NF-muE1_M00651 1.1213e-03

--CTGGCCTC
AGATGGCC--



M69

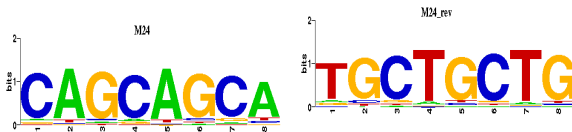


forward

reverse compliment

Name	E value	Alignment	Motif
ZBRK1_M01105	4.6778e-04	-CAGGCCTG----- AAANNCTGCKSCC	
Ttk_M00009	1.0590e-03	-CAGGCCTG GCAGGAC--	
Eve_M00629	1.3683e-03	-CAGGCCTG GCNGNSSWN	
p53_M00272	5.5920e-03	CAGGCCTG-- -RGRCAWGYC	
p53_M00034	6.6995e-03	-----CAGGCCTG--- GACATGCCCGGCATGTCY	

M24



forward

reverse compliment

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

Stamp Results

10/01/13

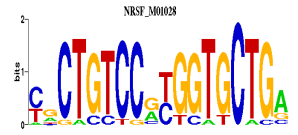
LMAF_M01139 1.4514e-06

TGCTGCTG--
--CTGCTGAS



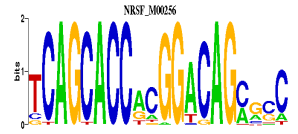
NRSF_M01028 1.3043e-05

-CAGCAGCA-----
TCAGCACCRYGGACAGNR



NRSF_M00256 1.3733e-05

-----TGCTGCTG-
GSYGCTGTCCGTGGTGTGA



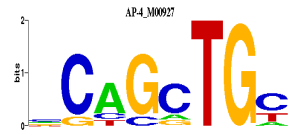
HEB_M00698 1.5919e-05

CAGCAGCA
CAGCWGG-

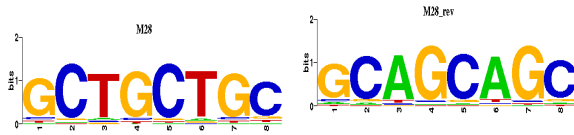


AP-4_M00927 3.4433e-05

TGCTGCTG-
-RCAGCTGN



M28



forward

reverse compliment

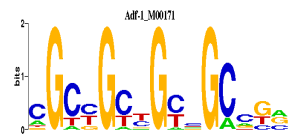
Name E value

Alignment

Motif

Adf-1_M00171 1.2478e-06

-GCTGCTGC-----
CGCYGCGYNGCNKN



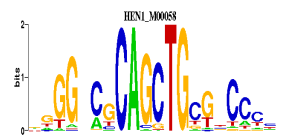
LMAF_M01139 1.4615e-06

GCTGCTGC-
-CTGCTGAS



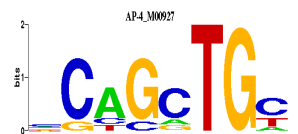
HEN1_M00058 6.7570e-06

-----GCTGCTGC-----
NNGGNCGCAGCTGCGNCCNNN



AP-4_M00927 1.4537e-05

GCAGCAGC
RCAGCTGN



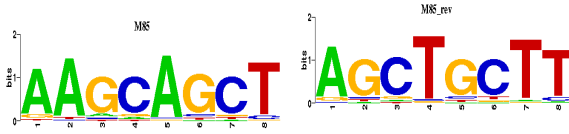
HEB_M00698

1.6783e-05

GCTGCTGC
CCWGCTG-



M85

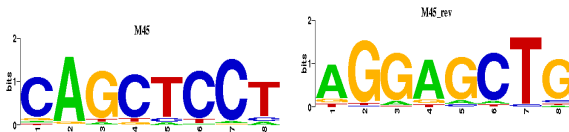


forward

reverse compliment

Name	E value	Alignment	Motif
LBP-1_M00644	6.5439e-08	AAGCAGCT --SCAGCN	
TAL1_M00993	6.8220e-07	AAGCAGCT-- -RNCAGNTGG	
LUN-1_M00480	4.1136e-06	-----AAGCAGCT---- TCCCAAAGTAGCTGGG	
AP-4_M00927	4.3113e-06	AAGCAGCT-- --RCAGCTGN	
HEN1_M00058	5.7214e-06	-----AAGCAGCT----- NNNGGNCGCAGCTGCGNCCNN	

M45



forward

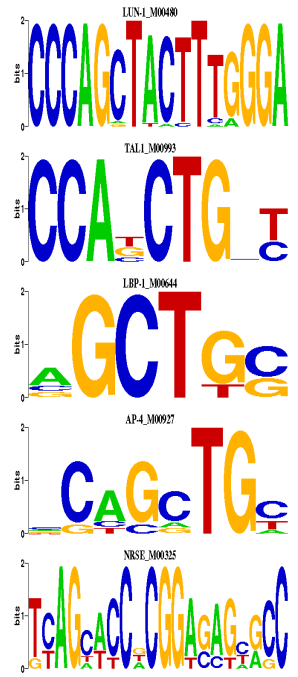
reverse compliment

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

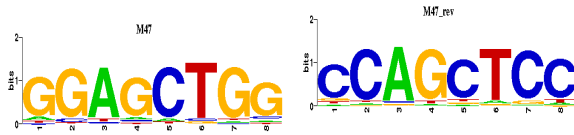
Stamp Results

10/01/13

LUN-1_M00480	3.8038e-06	-----AGGAGCTG-- TCCCAAAGTAGCTGGG
TAL1_M00993	6.7565e-06	AGGAGCTG- RNCAGNTGG
LBP-1_M00644	4.1640e-05	-CAGCTCCT SCAGCN---
AP-4_M00927	7.4023e-05	-CAGCTCCT NCAGCTGY-
NRSE_M00325	8.3798e-05	-----AGGAGCTG- GGCRCTCTCCGNGGTGCTGA



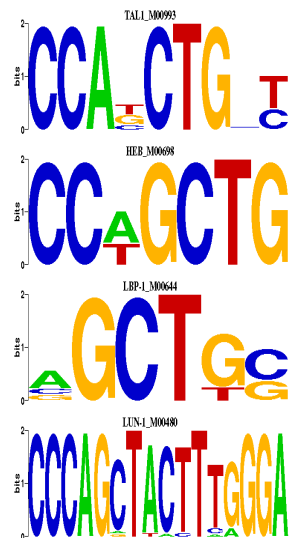
M47



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
TAL1_M00993	7.4620e-07	CCAGCTCC- CCANCTGNY	TAL1_M00993 CCA CTG T
HEB_M00698	1.0415e-06	CCAGCTCC CCWGCTG-	HEB_M00698 CCAGCTG
LBP-1_M00644	3.3377e-06	CCAGCTCC SCAGCN--	LBP-1_M00644 GCT Gc
LUN-1_M00480	3.5488e-06	-CCAGCTCC----- CCCAGCTACTTTGGGA	LUN-1_M00480 CCGAGCTACTTTGGGA



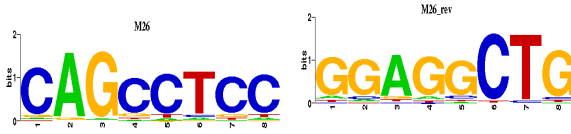
AP-4_M00176

1.2119e-05

-CCAGCTCC
NNCAGCTGN



M26

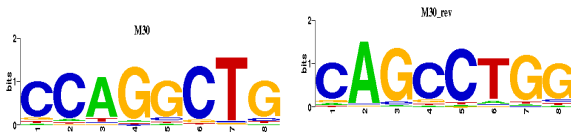


forward

reverse compliment

Name	E value	Alignment	Motif
SMAD4_M00733	3.9846e-05	-GGAGGCTG----- RGNTGKCTGNMYSN	
MAZ_M00649	2.2758e-04	-GGAGGCTG GGGAGGG--	
ERF2_M01057	2.5720e-04	GGAGGCTG GGCGGC--	
CAC-binding_M00720	5.4771e-04	--CAGCCTCC CCCASCCY--	
Dde_M00304	9.1381e-04	GGAGGCTG--- ---GGCTGAGC	

M30



forward

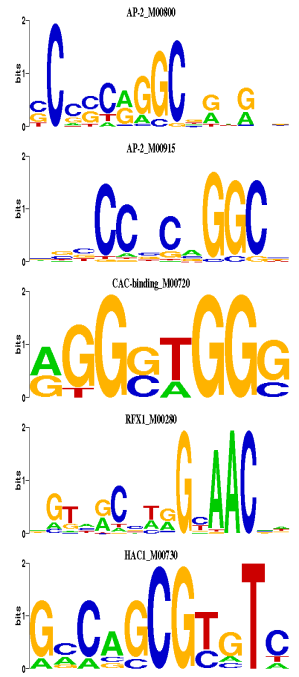
reverse compliment

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

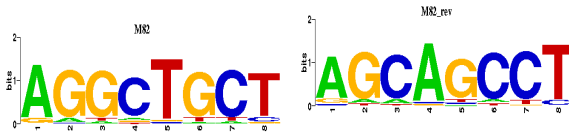
Stamp Results

10/01/13

AP-2_M00800	5.6770e-05	---CCAGGCTG--- SCSSCRGGCNRNRNN
AP-2_M00915	2.4766e-04	CAGCCTGG----- -NGCCNGNGGNNN
CAC-binding_M00720	4.8355e-04	--CAGCCTGG CCCASCCY--
RFX1_M00280	5.9284e-04	--CAGCCTGG----- NGTNRNCNWRGYAACNN
HAC1_M00730	7.2830e-04	-CCAGGCTG-- GACACGCTGKC



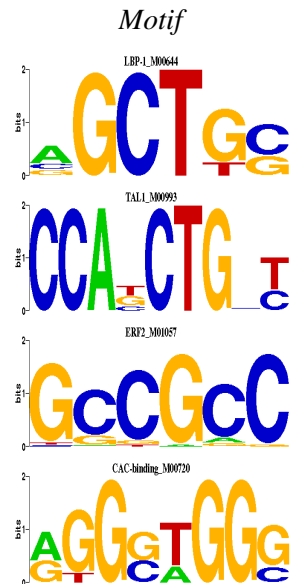
M82



forward

reverse compliment

Name	E value	Alignment
LBP-1_M00644	1.1811e-04	AGCAGCCT -SCAGCN-
TAL1_M00993	2.4806e-04	AGCAGCCT- RNCAGNTGG
ERF2_M01057	2.8214e-04	AGGCTGCT -GGCGGC-
CAC-binding_M00720	4.5445e-04	AGGCTGCT RGGSTGGG



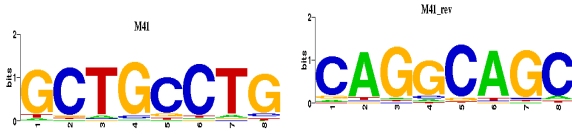
YY1_M00069

5.3039e-04

AGCAGCCT-----
WNSANNCAAGATGGCNGNN



M41

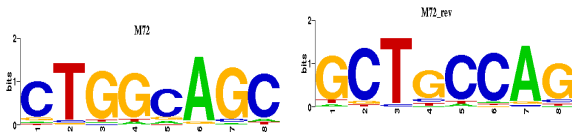


forward

reverse compliment

Name	E value	Alignment	Motif
Adf-1_M00923	8.9997e-07	-----GCTGCCTG-- SGCYGCMGYCGCTGMMNKYG	
Tel-2_M00678	6.7812e-05	CAGGCAGC- CAGGAAGTA	
SMAD4_M00733	7.1785e-05	-----GCTGCCTG- RGNTGKCTGNMYSN	
c-Ets-1_M00743	8.4722e-05	GCTGCCTG GCTTCCK-	
LBP-1_M00644	9.8232e-05	CAGGCAGC- ---SCAGCN	

M72

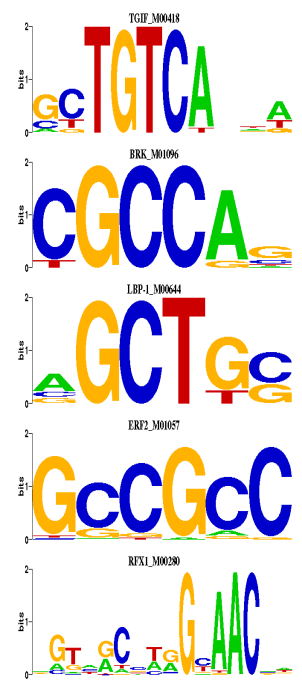


forward

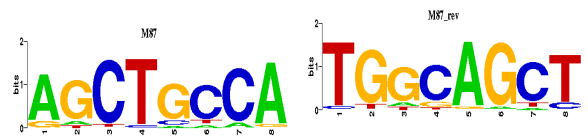
reverse compliment

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

TGIF_M00418	2.0308e-07	--CTGGCAGC WNNTGACAGC
BRK_M01096	2.0644e-05	CTGGCAGC NTGGCG--
LBP-1_M00644	1.3108e-04	CTGGCAGC-- ---SCAGCN
ERF2_M01057	1.6954e-04	CTGGCAGC --GGCGGC
RFX1_M00280	1.7583e-04	--GCTGCCAG----- NNGTTRCYWNGYNACN



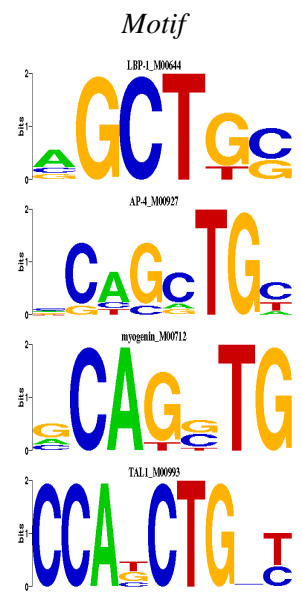
M87



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
LBP-1_M00644	1.9083e-07	TGGCAGCT --SCAGCN
AP-4_M00927	5.4089e-06	TGGCAGCT-- --RCAGCTGN
myogenin_M00712	2.1030e-05	TGGCAGCT-- --NCAGSTG
TAL1_M00993	2.4679e-05	--AGCTGCCA CCANCTGNY-



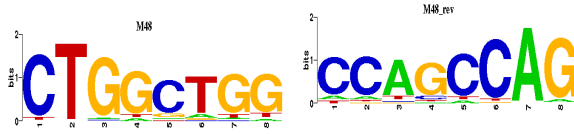
E2A_M00973

7.2276e-05

AGCTGCCA
ANCTGNY-



M48



forward

reverse compliment

Name E value Alignment Motif

GLI_M01037

1.8433e-05

---CCAGCCAG
NGACCACCCAN



BRK_M01096

2.3043e-05

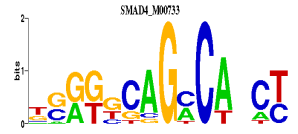
CCAGCCAG
--CGCCAN



SMAD4_M00733

3.0265e-05

--CTGGCTGG----
RGNTGKCTGNMYSN



CAC-binding_M00720 6.5389e-05

-CCAGCCAG
CCCASCCY-



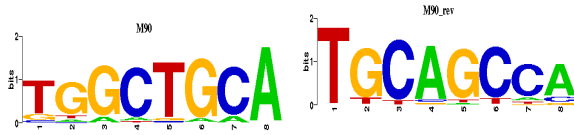
HEB_M00698

4.9248e-04

CCAGCCAG
CCWGCTG-



M90





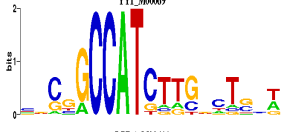

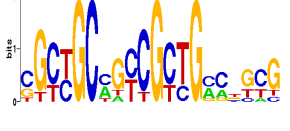
forward

reverse compliment

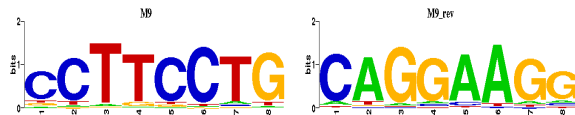
Name E value Alignment Motif

Stamp Results

10/01/13



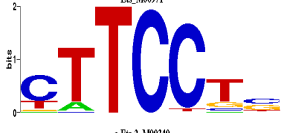


SMAD4_M00733	7.9798e-07	---TGGCTGCA--- RGNTGKCTGNMYSN	
RCS1_M00753	1.7067e-06	---TGGCTGCA- AANTGGGTGCAK	
YY1_M00069	9.0641e-06	TGCAGCCA----- WNSANNCAAGATGGCNGNN	
LBP-1_M00644	1.5357e-04	TGCAGCCA -SCAGCN-	
Adf-1_M00923	2.6473e-04	-----TGGCTGCA--- CRMNKKCAGCGRCKGCRGCS	

M9

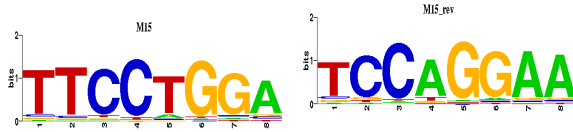


forward

reverse compliment

Name	E value	Alignment	Motif
Tel-2_M00678	3.1576e-09	CAGGAAGG- CAGGAAGTA	
Ets_M00771	1.0503e-07	CAGGAAGG--- CAGGAAGYNNN	
Ets_M00971	2.4289e-07	CAGGAAGG NAGGAAG-	
c-Ets-2_M00340	2.8130e-07	----CCTTCCTG- ANNNACTTCCTGY	
NERF1a_M00531	3.8801e-07	----CCTTCCTG-- SNNASNYRCTTCCTGNY	

M15

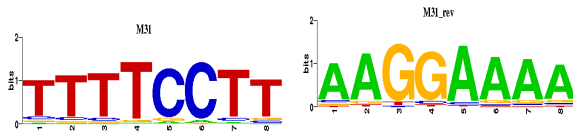


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STAT5B_M00459	2.3530e-10	--TTCCTGGA---- NWTTCNNGGAANYN	
STAT5A_M00457	6.6710e-09	---TTCCTGGA--- NRNTTCNNGAANY	
STATx_M00223	1.6992e-06	TTCCTGGA TTYGGGA	
STAT5A_M00460	3.9563e-06	-TCCAGGAA----- YNCNNGGAANNNNNTTCNNGA	
Tel-2_M00678	6.5419e-06	TCCAGGAA--- --CAGGAAGTA	

M31



forward

reverse compliment

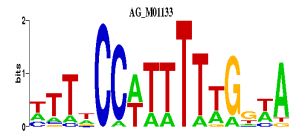
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Helios_M01004	2.6288e-11	-TTTTCTT- NTTTTCTWN	

Stamp Results

10/01/13

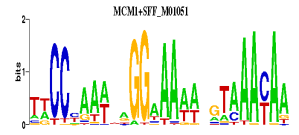
AG_M01133 3.0822e-07

-----AAGGAAAA
 TWNCAAAAAWGGNAAN



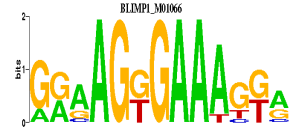
MCM1+SFF_M01051 6.1085e-06

-----TTTTCCTT-----
 TTRITTTANNITWTTNCCNNWTTNGGNA



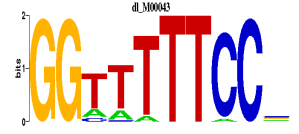
BLIMP1_M01066 1.1257e-05

---TTTTCCTT--
 YMCTTTCMCTTYC

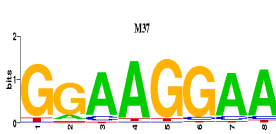


dl_M00043 1.5858e-05

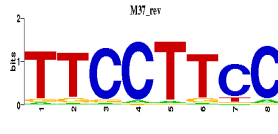
AAGGAAAA---
 -NGGAAAAACC



M37



forward



reverse compliment

Name

E value

Alignment

Motif

MAF_M00648

5.7431e-06

-----TTCCTTCC
 NSNMMACTTCCYCN



Tel-2_M00678

5.8710e-05

TTCCTTCC--
 -TACTTCTG



Helios_M01004

8.9695e-05

---TTCCTTCC
 NTTTTCTWN-



BLIMP1_M01066

9.1277e-05

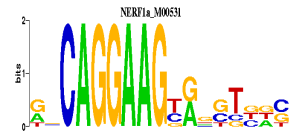
-----TTCCTTCC
 YMCTTTCMCTTYC



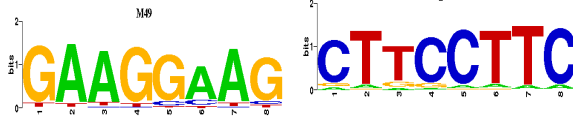
NERF1a_M00531

1.5934e-04

-----TTCCTTCC
 SNNASNYRCTTCTGNY



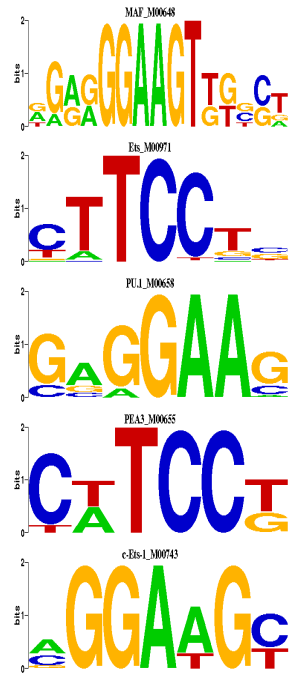
M49



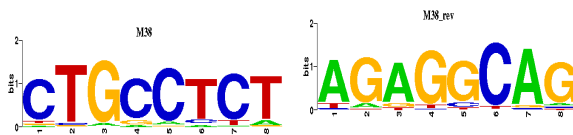
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
MAF_M00648	2.2469e-07	-----CTTCCTTC- NSNMMACTTCCYYCN
Ets_M00971	3.5687e-07	GAAGGAAG -NAGGAAG
PU.1_M00658	4.9182e-07	GAAGGAAG -GAGGAAG
PEA3_M00655	1.1506e-06	GAAGGAAG --MGGAWG
c-Ets-1_M00743	2.2858e-06	-CTTCCTTC GCTTCCK--



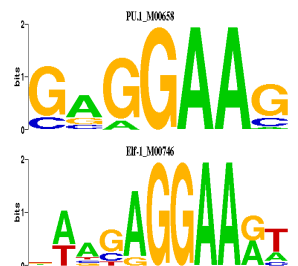
M38



forward


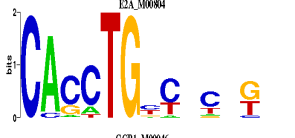

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
PU.1_M00658	8.2390e-06	CTGCCTCT CTTCCTC-
Elf-1_M00746	1.3436e-05	-CTGCCTCT-- AYTTCCTCTTN

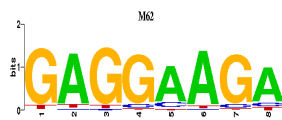


Stamp Results

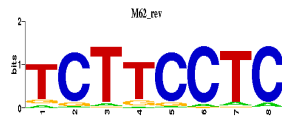
10/01/13

TFII-I_M00706	9.5435e-05	-CTGCCTCT CCTMCNTC-	
E2A_M00804	1.9825e-04	--AGAGGCAG--- NMNGNGNCAGGTG	
GCR1_M00046	3.0086e-04	AGAGGCAG- -GWGGAAGC	



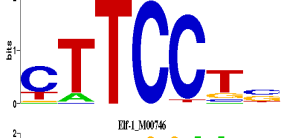


M62



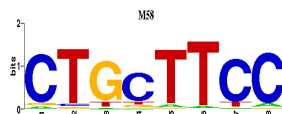
forward



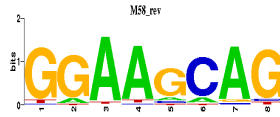
reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	9.0049e-11	GAGGAAGA GAGGAAG-	
GCR1_M00046	1.2269e-08	GAGGAAGA GWGGAAGC	
Ets_M00971	3.3111e-07	TCTTCCTC -CTTCCTN	
Elf-1_M00746	1.0127e-06	TCTTCCTC--- AYTTCCTCTTN	
PEA3_M00655	1.2311e-06	TCTTCCTC -CWTCC-	

M58

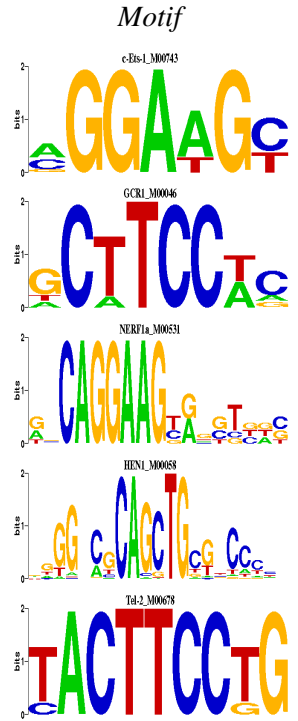


forward

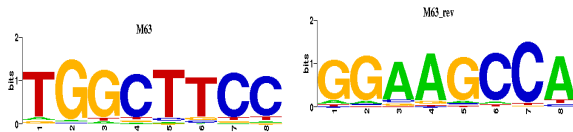


reverse compliment

Name	E value	Alignment
c-Ets-1_M00743	1.0598e-06	CTGCTTCC- --GCTTCK
GCR1_M00046	1.5663e-06	--GGAAGCAG GWGGAAGC--
NERF1a_M00531	1.6711e-06	-----CTGCTTCC----- SNNASNYRCTTCTGNY
HEN1_M00058	9.0724e-06	---GGAAGCAG----- NNNGGNCGCAGCTGCGNCCNN
Tel-2_M00678	5.6309e-05	--GGAAGCAG CAGGAAGTA-



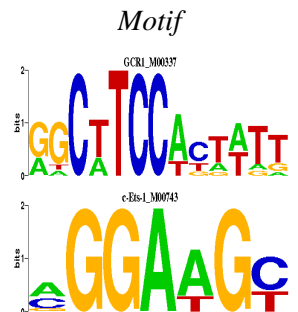
M63



forward

reverse compliment

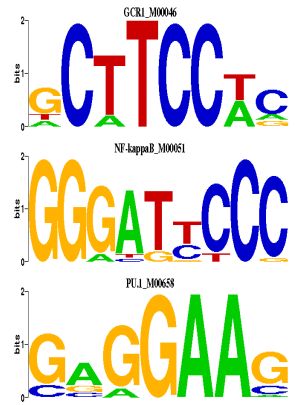
Name	E value	Alignment
GCR1_M00337	5.2234e-07	-----GGAAGCCA AAWAGTGGGAAGCC-
c-Ets-1_M00743	9.3943e-07	TGGCTTCC- --GCTTCK



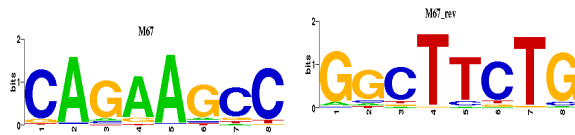
Stamp Results

10/01/13

GCR1_M00046	1.6681e-06	--GGAAGCCA GWGGAAGC--
NF-kappaB_M00051	1.6890e-04	-GGAAGCCA GGGRATCCC
PU.1_M00658	2.2098e-04	TGGCTTCC-- ---CTTCTC



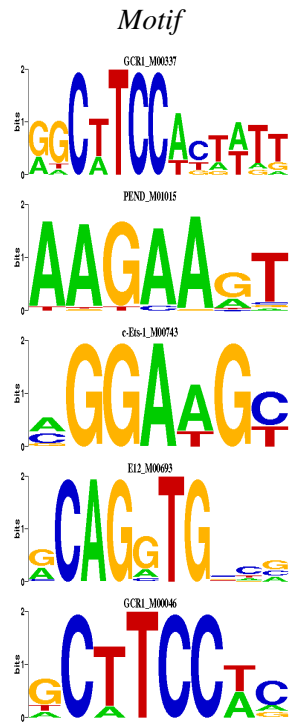
M67



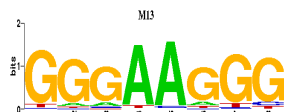
forward

reverse complement

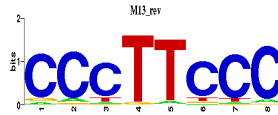
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
GCR1_M00337	2.6855e-04	-----CAGAAGCC AAWAGTGGGAAGCC
PEND_M01015	2.7455e-04	CAGAAGCC AAGAAGT-
c-Ets-1_M00743	6.9525e-04	GGCTTCTG -GCTTCK
E12_M00693	8.4709e-04	-CAGAAGCC- RCAGGTGNNN
GCR1_M00046	8.8124e-04	-CAGAAGCC GWGGAAGC-



M13

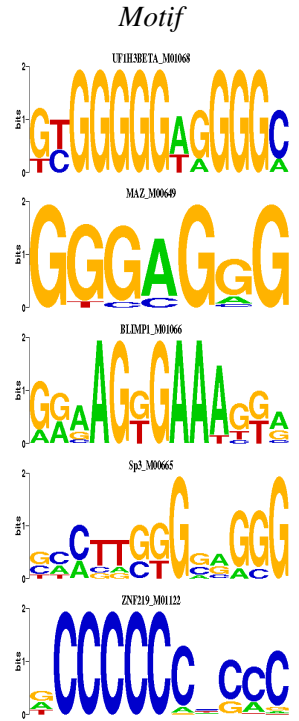


forward

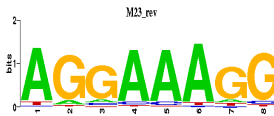
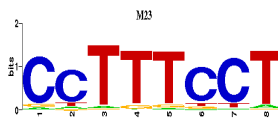


reverse compliment

Name	E value	Alignment
UF1H3BETA_M01068	2.9450e-07	----GGAAGGG- GYGGGGAGGGGC
MAZ_M00649	3.3507e-06	CCCTTCCC -CCCTCCC
BLIMP1_M01066	5.7535e-06	-----CCCTTCCC YMCTTTCMCTTYC-
Sp3_M00665	2.4700e-05	-----GGAAGGG SMCTTGGGSRGGG
ZNF219_M01122	3.2988e-05	---CCCTTCCC NCCCCCNCCC



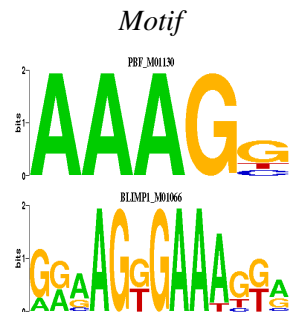
M23


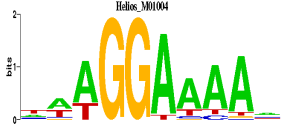



forward

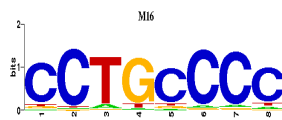
reverse compliment

Name	E value	Alignment
PBF_M01130	2.2971e-06	CCTTTCCT CCTTT---
BLIMP1_M01066	9.0054e-06	-CCTTTCCT---- YMCTTTCMCTTYC

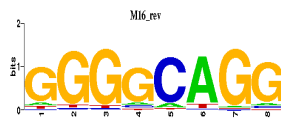


BPC1_M01126	1.2072e-05	CCTTTCCT -NTTTC--	
Helios_M01004	2.2050e-05	CCTTTCCT-- NTTTCCTWN	
NF-kappaB_M00208	1.3250e-04	AGGAAAGG--- NGGAAARTCCC	



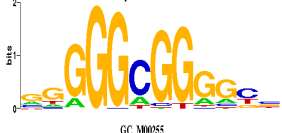


M16



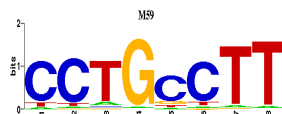
forward



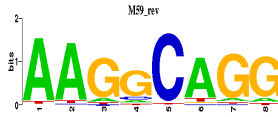
reverse compliment

Name	E value	Alignment	Motif
Sp1_M00933	1.2596e-07	-GGGGCAGG NGGGGMGGG	
AtMYB-84_M00970	8.8133e-07	---CCTGCCCC- SCACCTACCNCC	
Sp1_M00196	1.4985e-06	---CCTGCCCC- NNCCCCGCCCCN	
GC_M00255	2.6374e-06	----CCTGCCCC- NNGCCCCGCCCCN	
UF1H3BETA_M01068	3.3382e-06	--GGGGCAGG--- GYGGGGGAGGGGC	

M59



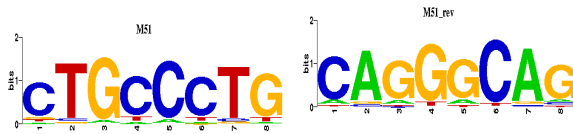
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
E2A_M00973	1.0106e-05	AAGGCAGG- --RNCAGNT	
E2A_M00804	1.2661e-04	---AAGGCAGG-- NMNGNGNCAGGTG	
TFII-I_M00706	1.4649e-04	CCTGCCTT CCTMCNTC	
CAC-binding_M00720	2.0014e-04	AAGGCAGG- -RGGSTGGG	
Ttk_M00009	2.2330e-04	AAGGCAGG-- ---GCAGGAC	

M51



forward

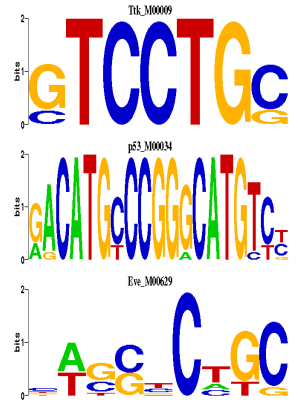
reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HNF4_M01033	1.4072e-04	CTGCCCTG -TGNNC--	
Pax-6_M00979	1.0081e-03	-----CAGGGCAG KAGTTCCAGGTCA-	

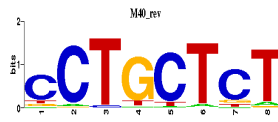
Stamp Results

10/01/13

Ttk_M00009	1.0255e-03	-CAGGGCAG GCAGGAC--
p53_M00034	1.4612e-03	----CTGCCCTG----- RGACATGCCCGGGCATGTC
Eve_M00629	1.5340e-03	-CAGGGCAG GCNGNSSWN



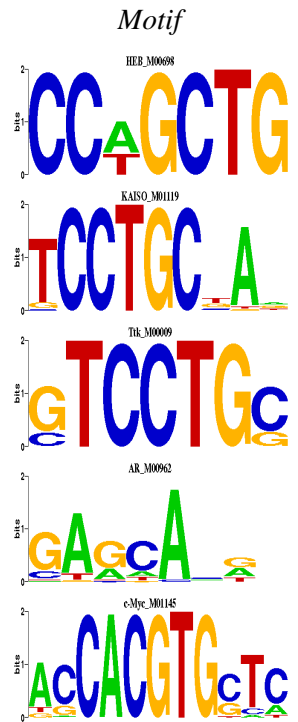
M40



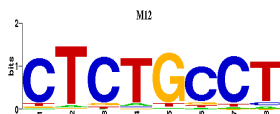
forward

reverse compliment

Name	E value	Alignment
HEB_M00698	2.4229e-05	AGAGCAGG -CAGCWGG
KAISO_M01119	2.7550e-05	AGAGCAGG- NNGCAGGA
Ttk_M00009	2.7635e-04	AGAGCAGG-- ---GCAGGAC
AR_M00962	4.4608e-04	-CCTGCTCT NNTGCTC-
c-Myc_M01145	4.9498e-04	AGAGCAGG---- -GAGCACGTGGT



M12

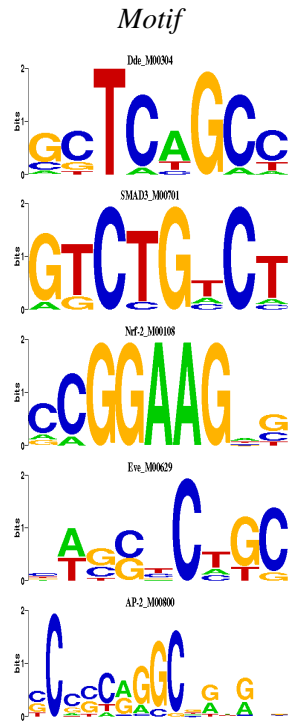


forward

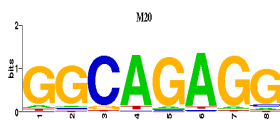


reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Dde_M00304	3.1499e-06	-CTCTGCCT GCTCAGCC-
SMAD3_M00701	3.4565e-06	AGGCAGAG AGNCAGAC
Nrf-2_M00108	1.2217e-04	CTCTGCCT- SNCTTCCGG
Eve_M00629	3.0772e-04	AGGCAGAG--- --GCNGNSSWN
AP-2_M00800	8.8784e-04	--CTCTGCCT---- NNYNYNGCCYGSSGS



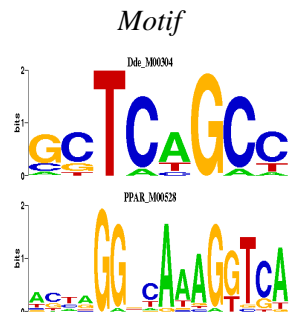
M20



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Dde_M00304	2.9997e-06	GGCAGAGG GGCTGAGC
PPAR_M00528	4.9746e-05	-----GGCAGAGG--- NNNNGGNCAAAGGTCA

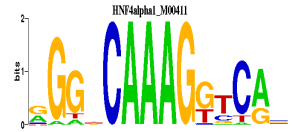


Stamp Results

10/01/13

HNF4alpha1_M00411 5.4728e-05

----CCTCTGCC--
NTGACCTTTGNCCY



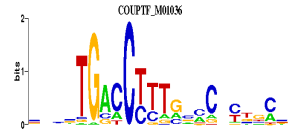
TAL1_M00993 7.6436e-05

GGCAGAGG--
RNCAGNTGG

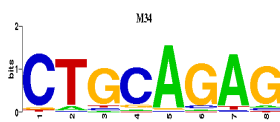


COUPTF_M01036 8.1727e-05

-----GGCAGAGG-----
NKNNRNGKNNAAAGGTCANNNN



M34

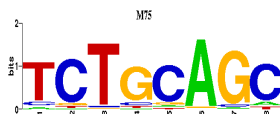


forward

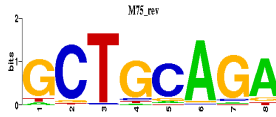
reverse compliment

Name	E value	Alignment	Motif
LMAF_M01139	8.9521e-06	CTGCAGAG CTGCTGAS	
Nrf-2_M00821	1.9414e-04	CTGCAGAG---- -TGCTGAGTCANN	
Eve_M00629	3.6652e-04	CTGCAGAG--- --GCNGNSSWN	
v-Maf_M00035	8.1260e-04	--CTGCAGAG----- NNNTGCNNNGTCAGCANN	
Adf-1_M00923	8.2934e-04	-----CTGCAGAG CRMNKKCAGCGRCKGCRGCS	

M75

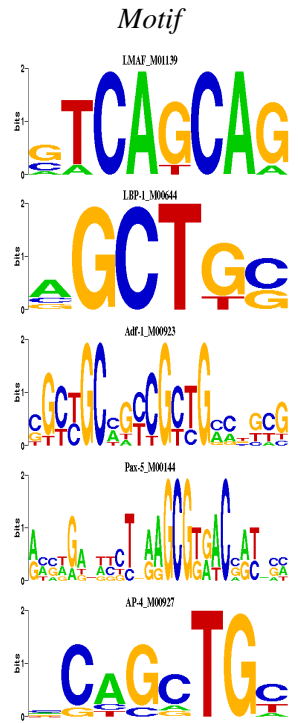


forward

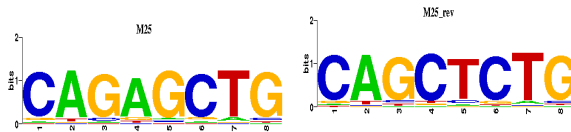


reverse compliment

Name	E value	Alignment
LMAF_M01139	1.8379e-05	GCTGCAGA- -CTGCTGAS
LBP-1_M00644	8.6116e-05	TCTGCAGC- ---SCAGCN
Adf-1_M00923	1.4972e-04	-----TCTGCAGC- CRMNKKCAGCGRCKGCRGCS
Pax-5_M00144	1.1192e-03	-----TCTGCAGC----- RNNNGNNNNNTNRAGCGKRACNRYNNN
AP-4_M00927	1.7565e-03	TCTGCAGC--- ---RCAGCTGN



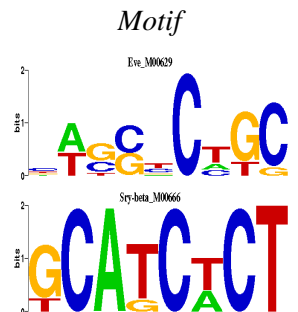
M25



forward

reverse compliment

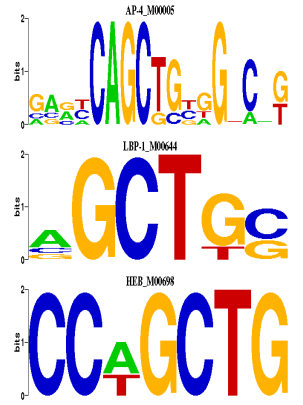
Name	E value	Alignment
Eve_M00629	7.1616e-06	-CAGAGCTG GCNGNSSWN
Sry-beta_M00666	9.9374e-06	-CAGCTCTG GCATCWCT-



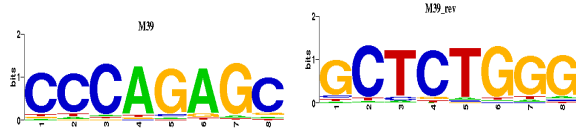
Stamp Results

10/01/13

AP-4_M00005	3.5207e-05	----CAGCTCTG----- NNNNCAGCTGNNGNCNK
LBP-1_M00644	3.8039e-05	-CAGCTCTG SCAGCN---
HEB_M00698	4.8439e-04	CAGAGCTG- --CAGCWGG



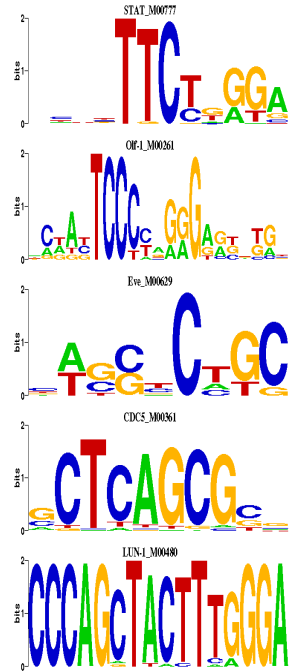
M39



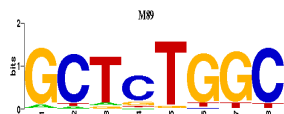
forward

reverse compliment

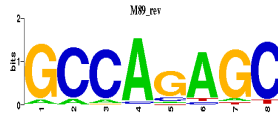
Name	E value	Alignment	Motif
STAT_M00777	4.8148e-04	---GCTCTGGG- NNNNTTCTNGGA	STAT_M00777 TTC T GGA
Olf-1_M00261	5.3294e-04	-----CCCAGAGC----- NCNANTCCCYNGGGARNNKGN	Olf-1_M00261 C A T T T T A A A G T T G
Eve_M00629	6.1769e-04	--GCTCTGGG NWSSNCNGC-	Eve_M00629 A G C C G C
CDC5_M00361	7.7898e-04	--CCCAGAGC NSCGCTGAGS	CDC5_M00361 C T c A G C G
LUN-1_M00480	9.3087e-04	-CCCAGAGC----- TCCCAAAGTAGCTGGG	LUN-1_M00480 C C C A G C T A C T T T G G G A



M89

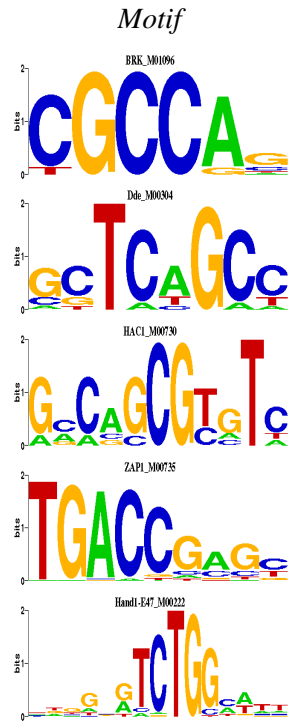


forward

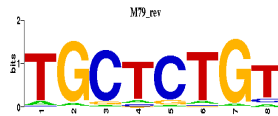
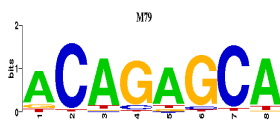


reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
BRK_M01096	2.1157e-05	GCTCTGGC- ---NTGGCG
Dde_M00304	1.2101e-04	GCTCTGGC GCTCAGCC
HAC1_M00730	1.2955e-04	GCCAGAGC--- GMCAGCGTGTC
ZAP1_M00735	2.9427e-04	GCTCTGGC- RCTCGGTCA
Hand1-E47_M00222	7.0601e-04	---GCCAGAGC--- NNWNCCAGAYNCNNN



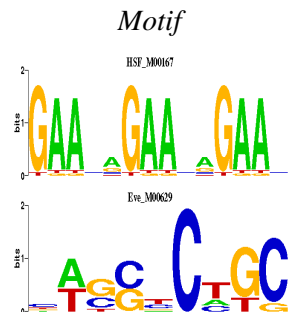
M79



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
HSF_M00167	9.6729e-06	---TGCTCTGT-- NTTCNNTTCNNTTC
Eve_M00629	3.6141e-05	ACAGAGCA- GCNGNSSWN

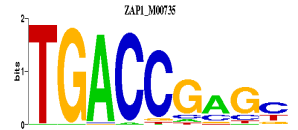


Stamp Results

10/01/13

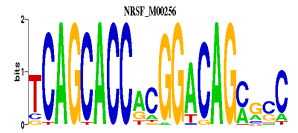
ZAP1_M00735 1.5615e-04

--ACAGAGCA
TGACCGAGY-



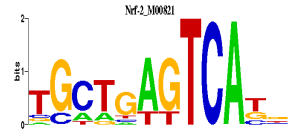
NRSF_M00256 4.6380e-04

TGCTCTGT-----
GSYGCTGTCCGTGGTGCTGA

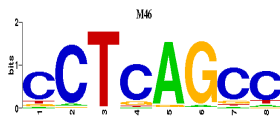


Nrf-2_M00821 5.1379e-04

----ACAGAGCA
NNTGACTCAGCA



M46



forward

reverse compliment

Name

E value

Alignment

Motif

Dde_M00304

8.1511e-10

GGCTGAGG
GGCTGAGC



CDC5_M00361

1.0698e-05

--GGCTGAGG
NSCGCTGAGS



AP-2alphaA_M01047 1.4521e-05

----CCTCAGCC--
ANMGCCTNAGGCKN



MAF_M00983

2.9763e-05

---CCTCAGCC
NTGACTCANC-



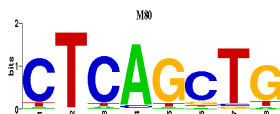
NF-E2_M00037

4.1723e-05

---CCTCAGCC
RTGACTCAGC-



M80

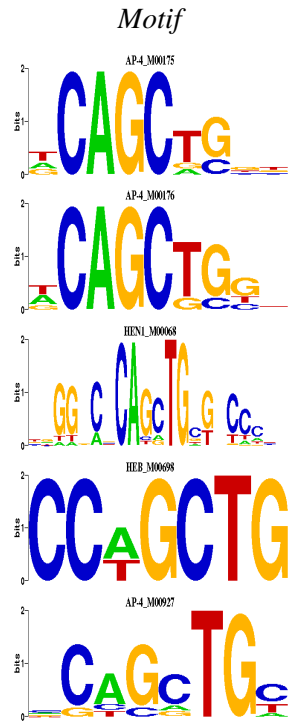


forward

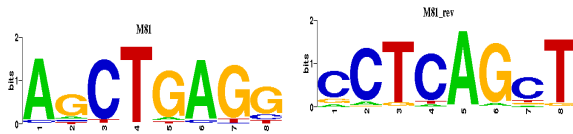


reverse compliment

Name	E value	Alignment
AP-4_M00175	1.3389e-07	CTCAGCTG-- -NCAGCTGNN
AP-4_M00176	2.3418e-07	--CAGCTGAG NNCAGCTGN-
HEN1_M00068	4.2246e-07	-----CTCAGCTG----- NNGGNCNCAGCTGNGNCCNNN
HEB_M00698	1.0533e-06	CAGCTGAG CAGCWGG-
AP-4_M00927	2.4022e-06	-CAGCTGAG RCAGCTGN-



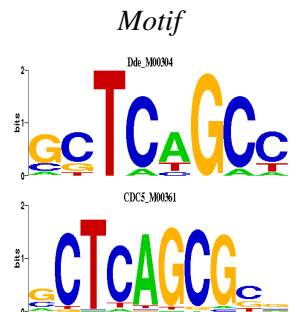
M81



forward

reverse compliment

Name	E value	Alignment
Dde_M00304	1.8838e-06	AGCTGAGG GGCTGAGC
CDC5_M00361	4.0603e-06	CCTCAGCT-- SCTCAGCGSN



Stamp Results

10/01/13

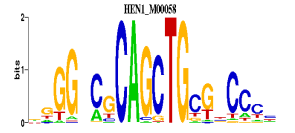
MAF_M00983 3.0321e-05

---CCTCAGCT
NTGACTCANC-



HEN1_M00058 3.2973e-05

-----AGCTGAGG-----
NNNGGNCGCAGCTGCGNCCNN

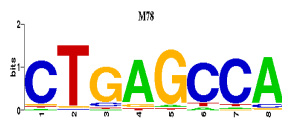


LBP-1_M00644 3.4296e-05

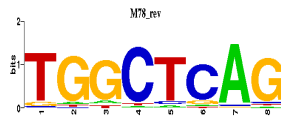
CCTCAGCT
--SCAGCN



M78



forward



reverse compliment

Name

E value

Alignment

Motif

NF-E2_M00037 4.4629e-07

-TGGCTCAG-
RTGACTCAGC



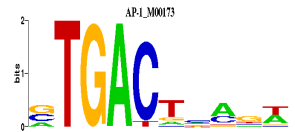
MAF_M00983 5.1700e-07

-TGGCTCAG-
NTGACTCANC



AP-1_M00173 6.1805e-07

-CTGAGCCA-
WKNAGTCAN



Nrf-2_M00821 1.1002e-06

--TGGCTCAG--
NNTGACTCAGCA

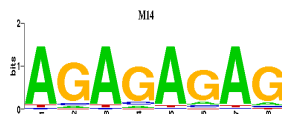


LF-A1_M00646 1.2879e-06

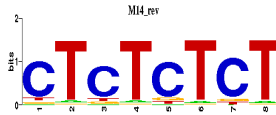
TGGCTCAG
-GGSTCWR



M14

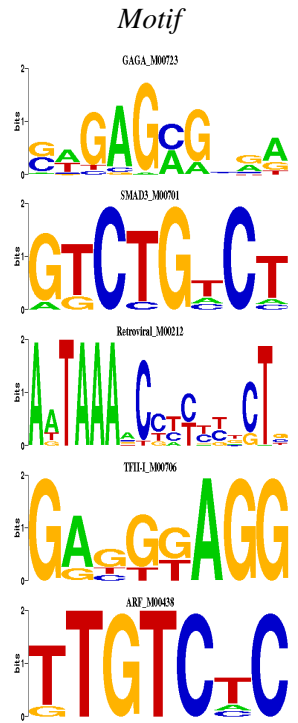


forward

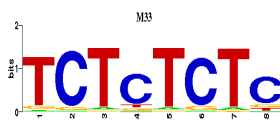


reverse compliment

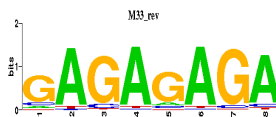
Name	E value	Alignment
GAGA_M00723	1.6714e-06	-AGAGAGAG- SWGAGMGNRA
SMAD3_M00701	3.0863e-05	CTCTCTCT GCTGNCT
Retroviral_M00212	5.9012e-05	-----CTCTCTCT- AATAAANCYYYYNCTN
TFII-I_M00706	2.7877e-04	-CTCTCTCT CCTMCNTC-
ARF_M00438	1.1913e-03	AGAGAGAG -GAGACAA



M33

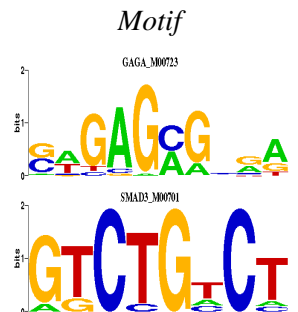


forward



reverse compliment

Name	E value	Alignment
GAGA_M00723	1.1581e-06	TCTCTCTC-- TYNCKCTCWS
SMAD3_M00701	2.9371e-05	GAGAGAGA- -AGNCAGAC



Stamp Results

10/01/13

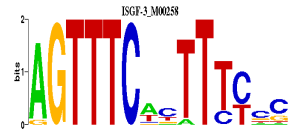
TFII-I_M00706 2.4204e-04

TCTCTCTC
CCTMCNTC



ISGF-3_M00258 1.0531e-03

----TCTCTCTC--
AGTTTCWNTTTCNC

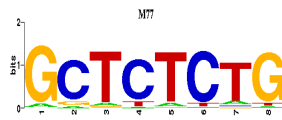


ARF_M00438 1.0745e-03

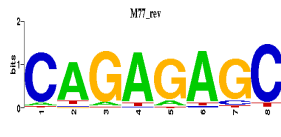
-TCTCTCTC
TTGTCTC--



M77



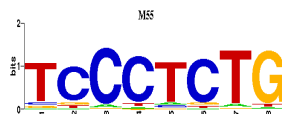
forward



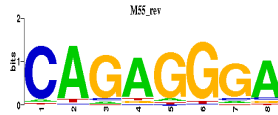
reverse compliment

Name	E value	Alignment	Motif
GAGA_M00723	2.3337e-07	--GCTCTCTG TYNCKCTCWS	
NRSE_M00325	1.2688e-04	-----CAGAGAGC--- TCAGCACCNCGGAGAGYGCC	
TGIF_M00418	7.5406e-04	--CAGAGAGC WNNTGACAGC	
SMAD4_M00733	1.1605e-03	-GCTCTCTG----- RGNTGKCTGNMYSN	
Sry-beta_M00666	1.8983e-03	CAGAGAGC- -AGWGATGC	

M55



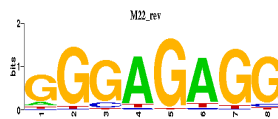
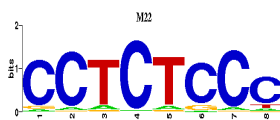
forward



reverse compliment

Name	E value	Alignment	Motif
TFII-I_M00706	1.7764e-05	--TCCCTCTG CCTMCNTC--	
MAF_M00648	9.3400e-05	-----TCCCTCTG NSNMMACTTCCYYCN-	
MAZ_M00649	2.3756e-04	TCCCTCTG -CCCTCCC	
Elf-1_M00746	2.4398e-04	--TCCCTCTG- AYTTCCTCTTN	
COUPTF_M01036	4.8068e-04	--CAGAGGGA----- NKNNRNGKNNAAAGGTCANNNN	

M22



forward

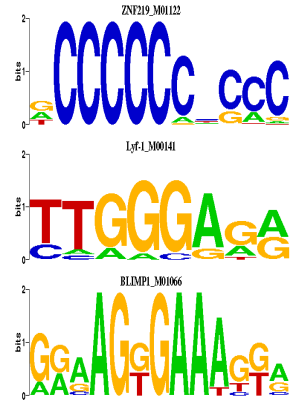
reverse compliment

Name	E value	Alignment	Motif
MAZ_M00649	1.1881e-06	CCTCTCCC -CCCTCCC	
UF1H3BETA_M01068	3.9301e-06	---CCTCTCCC-- GCCCTCCCCRC	

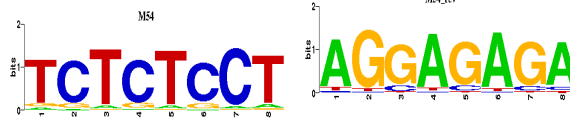
Stamp Results

10/01/13

ZNF219_M01122	2.6178e-05	GGGAGAGG--- GGGNGGGGGGN
Lyf-1_M00141	4.0738e-05	CCTCTCCC-- --YCTCCCAA
BLIMP1_M01066	4.9927e-05	-CCTCTCCC---- YMCTTTCMCTTYC



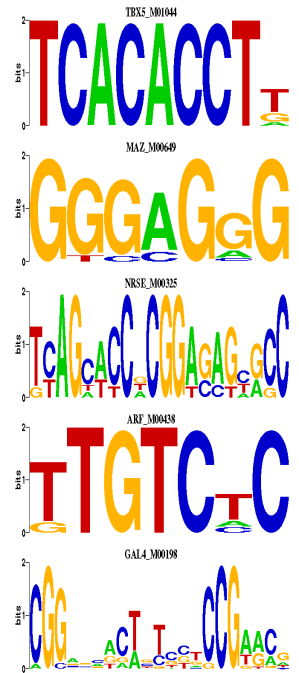
M54



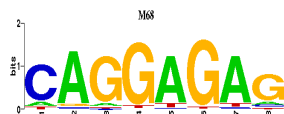
forward

reverse complement

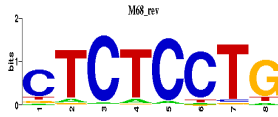
Name	E value	Alignment	Motif
TBX5_M01044	1.9277e-04	-AGGAGAGA AAGGTGTGA	TCACACCT
MAZ_M00649	6.4035e-04	TCTCTCCT -CCCTCCC	GGGAGGG
NRSE_M00325	8.7261e-04	-----AGGAGAGA--- TCAGCACCNCGGAGAGYGCC	TCTCACCTTCTCTAG
ARF_M00438	9.1295e-04	AGGAGAGA- --GAGACAA	TGTCTC
GAL4_M00198	1.1937e-03	-----AGGAGAGA----- NGYTCGGNNNANAGNNNNCCG	CGGACTTCTTAACTGAG



M68

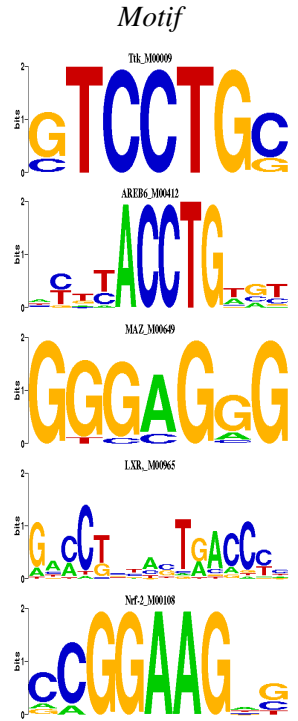


forward

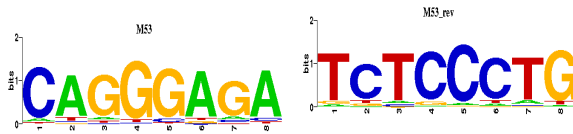


reverse compliment

Name	E value	Alignment
Ttk_M00009	1.7832e-04	-CAGGAGAG GCAGGAC--
AREB6_M00412	4.5986e-04	---CAGGAGAG- RNWCAGGTRNRN
MAZ_M00649	7.4181e-04	CAGGAGAG -GGGAGGG
LXR,_M00965	7.9219e-04	-----CAGGAGAG--- NRGGTYANNNNAGGNC
Nrf-2_M00108	9.8572e-04	CTCTCCTG- SNCTTCCGG



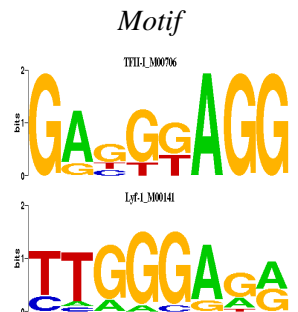
M53



forward

reverse compliment

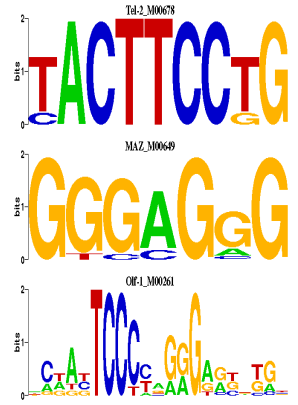
Name	E value	Alignment
TFII-I_M00706	1.6308e-05	TCTCCCTG CCTMCNTC
Lyf-1_M00141	3.4995e-05	TCTCCCTG YCTCCCAA



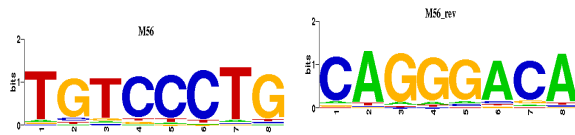
Stamp Results

10/01/13

Tel-2_M00678	7.4673e-05	CAGGGAGA- CAGGAAGTA
MAZ_M00649	2.0126e-04	-TCTCCCTG CCCTCCC--
Olf-1_M00261	2.0458e-04	-----TCTCCCTG----- NCMNNYTCCCNRRGGGANTNGN



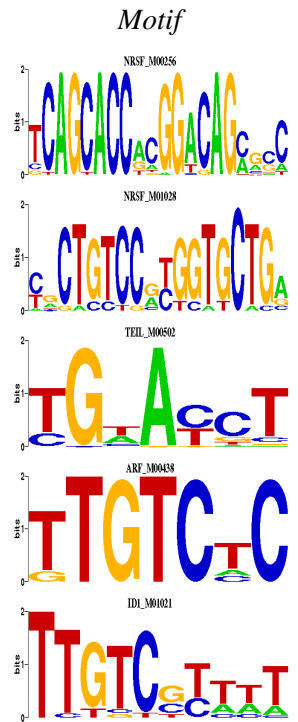
M56



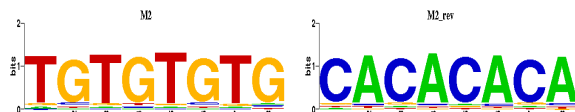
forward

reverse compliment

Name	E value	Alignment
NRSF_M00256	2.2406e-05	-----TGTCCTG----- GSYGCTGTCCGTGGTGCTGA
NRSF_M01028	4.4054e-05	-----CAGGGACA--- TCAGCACCRYGGACAGNR
TEIL_M00502	1.0846e-04	CAGGGACA -AGRTWCA
ARF_M00438	3.7399e-04	CAGGGACA- --GAGACAA
ID1_M01021	4.9957e-04	-CAGGGACA- AWAASGACAA



M2



forward *reverse compliment*

Name *E value* *Alignment* *Motif*

CACD_M01113 1.2908e-05

TGTGTGTG
-GGGYGTG



Hmx3_M00433 6.5954e-05

CACACACA-
CACGCACTT



CACCC-binding_M00721 8.0321e-05

-CACACACA-----
CCNCACCCWNNKGNT



GBF_M00633 8.0942e-05

CACACACA
NACCCNA

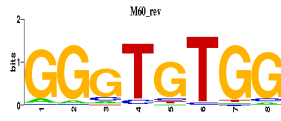
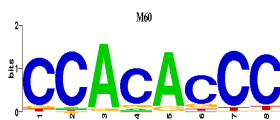


HFH4_M00742 8.4795e-05

----CACACACA
TAAACAAACAMW



M60



forward

reverse compliment

Name *E value* *Alignment* *Motif*

CACD_M01113 1.1738e-10

GGGTGTGG
GGGYGTG-



CACCC-binding_M00721 1.7646e-09

-----GGGTGTGG
ANCMNNWGGGTGNGG



Alfin1_M00479 4.3654e-06

---GGGTGTGG---
NRNRNGTGGGGNNK



TBX5_M01044

5.2174e-06

-GGGTGTGG
AAGGTGTGA



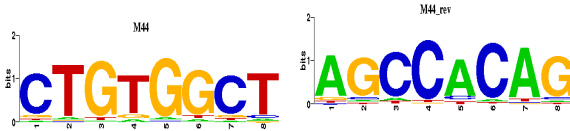
GBF_M00633

8.8662e-06

CCACACCC-
-NACCCNA



M44



forward

reverse compliment

Name

E value

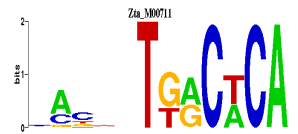
Alignment

Motif

Zta_M00711

2.1655e-05

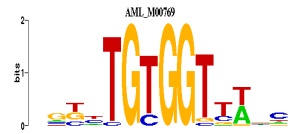
--AGCCACAG--
TGWGYCANNNTN



AML_M00769

5.7589e-05

---CTGTGGCT---
NNNNTGTGGTYWNN



SEF-1_M00214

1.3312e-04

AGCCACAG-----
RACCACAGATATCCGTGT



Osf2_M00731

2.4312e-04

-CTGTGGCT
KNTGTGG--



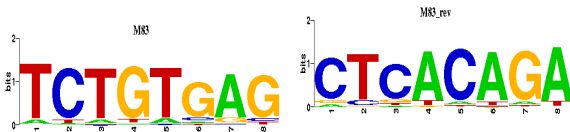
RAV1_M00343

2.8988e-04

---CTGTGGCT
NNWNTGTTGCN








M83

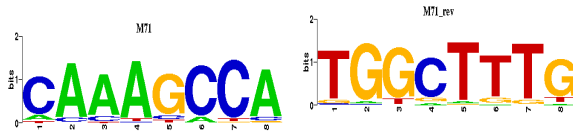


forward

reverse compliment





<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
TGIF_M00418	1.0295e-04	--CTCACAGA WNNTGACAGC	
SEF-1_M00214	3.2223e-04	-CTCACAGA----- RACCACAGATATCCGTGT	
Osf2_M00731	1.0497e-03	TCTGTGAG KNTGTGG-	
TCF-4_M00671	1.1409e-03	CTCACAGA WTCAAAG-	
SMAD3_M00701	1.3939e-03	CTCACAGA- -AGNCAGAC	

M71



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LEF1_M00805	2.1157e-06	TGGCTTTG ---CTTTG	
TCF-4_M00671	2.2102e-04	--CAAAGCCA WTCAAAG---	
Elf-1_M00110	2.7891e-04	---CAAAGCCA---- NNNNNANACCNNNNN	
STE11_M01005	8.0911e-04	TGGCTTTG--- TTTCTTTGTTC	

Stamp Results

10/01/13

c-Rel_M00053 9.4748e-04

-CAAAGCCA
GGAAWNYCC



Sequence logo generation powered by [weblogo](#)
[STAMP](#) is written by Shaun Mahony