



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

Input file: 99 motifs loaded

Settings: Metric=PCC, Alignment=SWU, Gap-open=1000, Gap-extend=1000, -nooverlapalign

Multiple Alignment=IR, Tree=UPGMA, Matching against: TRANSFAC

Note: All results files are removed nightly at midnight EST. Please save your results by saving "Webpage, complete".

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## Multiple Alignment

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

```

M0 :          AAAAAAAAA-----
M1 :          TTTTAAAA-----
M2 :          --GGGGGGGG-----
M3 :          ----AAAGGAAA---
M4 :          -----AGAAAGAA-
M5 :          -----AAGGAAAA--
M6 :          -----AAGAAAAG--
M7 :          ----GAAAGAAA----
M8 :          CACACACA-----
M9 :          ----AAGAGAAA----
M10 :         ----AGAAGAAA---
M11 :         -----AGAAAAAG-
M12 :         ----GGGAGGAG----
M13 :         -AGAGAGAG-----
M14 :         ----AAATAAAT---
M15 :         --CAAACAAA-----
M16 :         ----CAAACAA---
M17 :         ----GGAAGGAA----
M18 :         ----AGAGGAAG---
M19 :         --GAGGGAGG-----
M20 :         ----AACAAAAC----
M21 :         ----GGAGGGAG---
M22 :         -----AGGAAAGG-

```

## Stamp Results

10/01/13

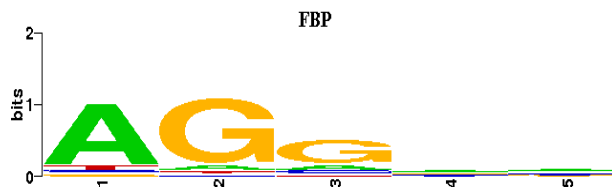
M23: --AATTAAAA-----  
M24: -----CAGGAAGG--  
M25: -----GAGGAGGG--  
M26: ----GGGAGGGA-----  
M27: ----GAAGGAAG----  
M28: ----GCAGCAGC----  
M29: ----GGAGAAAG----  
M30: --TGGGGAGG-----  
M31: -----AGGCAGAG--  
M32: --AGGGGAGG-----  
M33: --AGAGAAGG-----  
M34: ---GGGAAGGG-----  
M35: ----GGAGGGGA----  
M36: -----TTGGTTTT--  
M37: ----CCAGGAAG----  
M38: -----AGGAGAGA--  
M39: --AGCAGAGG-----  
M40: -CAGAGCAG-----  
M41: -CTCTGCAG-----  
M42: -GGAAGCAG-----  
M43: -----GAGGAAGA--  
M44: --GGGAGAGG-----  
M45: ----CCCAGCCC----  
M46: -----GGTTTTTT--  
M47: ---GGGGAGGA-----  
M48: ----GGAGGCTG----  
M49: ----GGCGGGGC----  
M50: -TTTCCCAG-----  
M51: -----AGGAGCTG--  
M52: -----CAGAGCTG--  
M53: --AGGGCAGG-----  
M54: -GGAAAGAG-----  
M55: --GGGGAAGG-----  
M56: ---CTGCAGCC-----  
M57: ---CCCCAGCC-----  
M58: -CTCCCAG-----  
M59: ---CTGGAGGA-----  
M60: -----CAGGAGAG--  
M61: ---GGAGAGGG-----  
M62: -----CAGGGAAG--  
M63: -----CAGCCCAG--  
M64: --TTCCCAGG-----  
M65: --CTGGGAGG-----

## Stamp Results

10/01/13

```
M66: -----CAGGGCAG--
M67: ----TGGGGGTG----
M68: ---AGGAGGGG----
M69: -----CCAGCCCC---
M70: -----CAGGCAGG--
M71: -CCCAGCAG-----
M72: -----CCAGAGCC---
M73: --GGAAAAGG-----
M74: -----CAGGGCTG--
M75: ---GCAGAGGC-----
M76: -----CCAGGCTG---
M77: --GGCGGCGG-----
M78: ---CTCCAGCT-----
M79: --AGCCCAGG-----
M80: -----AGTTCITT-
M81: --CCCAGAGG-----
M82: ---GAGAAGGA-----
M83: --CCTCCAGG-----
M84: -----CAGGAGGA--
M85: ----CTGAGGAA----
M86: -----AGGGGCGG-
M87: -GGGGAGAG-----
M88: -----CCAGCTCT---
M89: -----CAGAGCCC--
M90: ----CAGAGGGA----
M91: -----CAGGAGCT--
M92: ----GGAAGCCA----
M93: -GGAGCCAG-----
M94: -----AGTTTCTT-
M95: -----GAGGCTGC--
M96: -----GTGGGGGA--
M97: ---CTCCAGGC-----
M98: ---TGGGTGGG-----
```

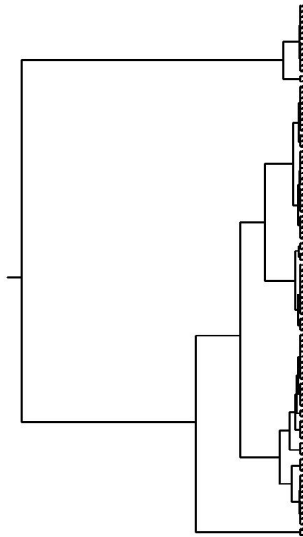
**Familial Profile:**  
**(click for matrix)**

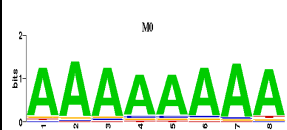

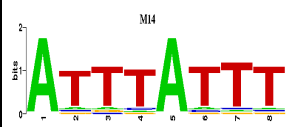
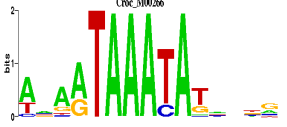
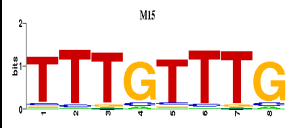

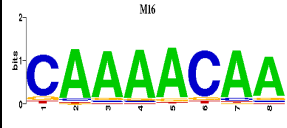

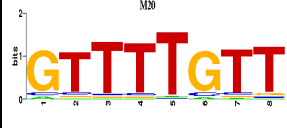

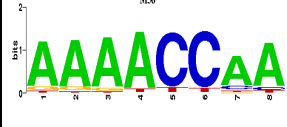

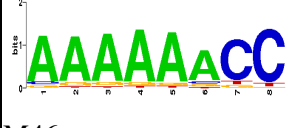

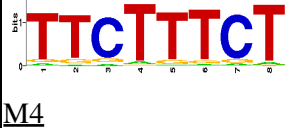
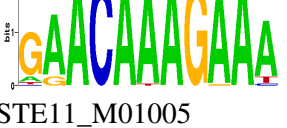


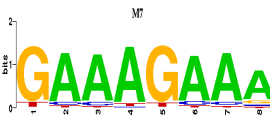

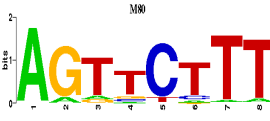

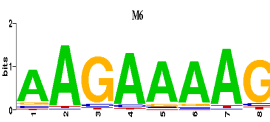

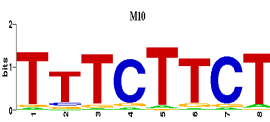

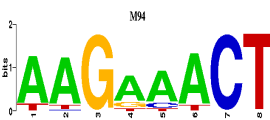

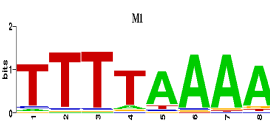
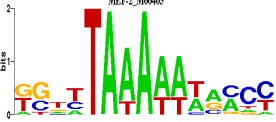
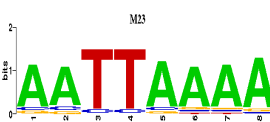

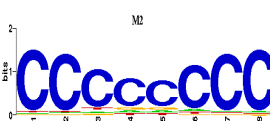

# Motif Tree

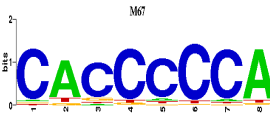

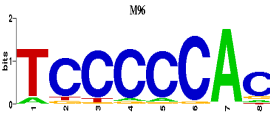

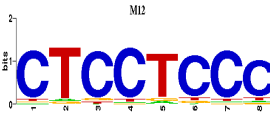

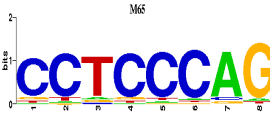

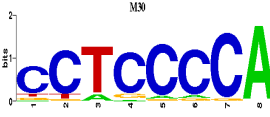

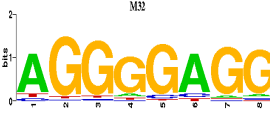

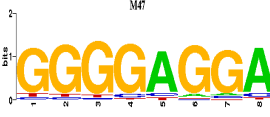

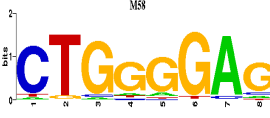
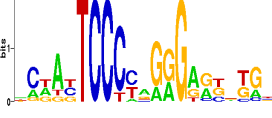
Tree (drawn by [Phylip](#))

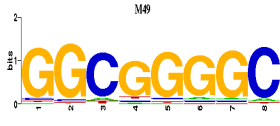
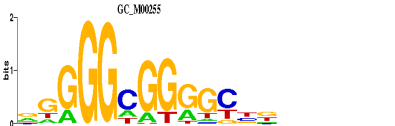
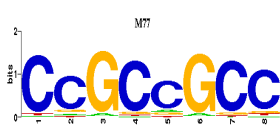

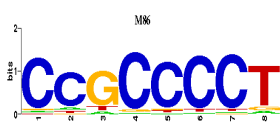

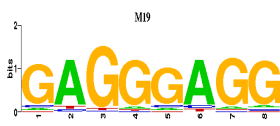

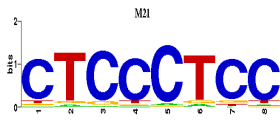

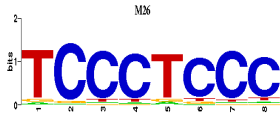

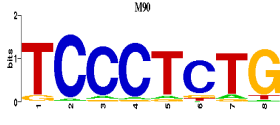

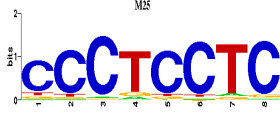

[Click here for Newick-format tree](#) (viewable with [MEGA](#))

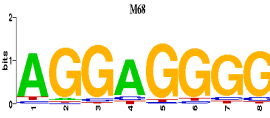







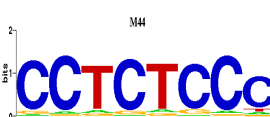

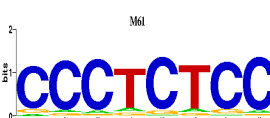

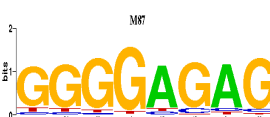





Input Motif	Best match in TRANSFAC
 <b>M0</b>	 Hb_M00022 (E val: 1.1162e-06)
 <b>M14</b>	 Croc_M00266 (E val: 1.8226e-10)
 <b>M15</b>	 HFH4_M00742 (E val: 4.6508e-08)
 <b>M16</b>	 HNF3alpha_M00724 (E val: 3.6711e-06)
 <b>M20</b>	 SRY_M00148 (E val: 3.2018e-07)
 <b>M36</b>	 Grainyhead-Elf-1-NTF-1_M00951 (E val: 8.6868e-07)
 <b>M46</b>	 d1_M00043 (E val: 1.2915e-08)
 <b>M4</b>	 STE11_M01005

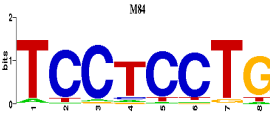



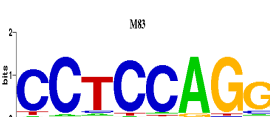

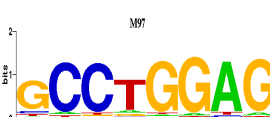



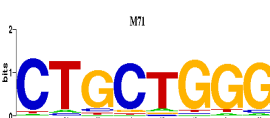

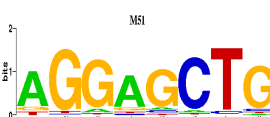

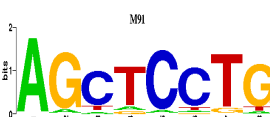

 <p><b>M7</b></p>	<p>(E val: 2.1399e-07)</p>  <p>STE11_M01005 (E val: 2.5410e-08)</p>
 <p><b>M80</b></p>	 <p>PR_M00960 (E val: 6.8921e-07)</p>
 <p><b>M6</b></p>	 <p>HSF_M00163 (E val: 7.3070e-09)</p>
 <p><b>M10</b></p>	 <p>Rim101p_M01030 (E val: 1.1410e-06)</p>
 <p><b>M94</b></p>	 <p>HSF_M00164 (E val: 3.0941e-06)</p>
 <p><b>M1</b></p>	 <p>MEF-2_M00405 (E val: 2.6470e-06)</p>
 <p><b>M23</b></p>	 <p>Nkx6-1_M00424 (E val: 9.4912e-11)</p>
 <p><b>M2</b></p>	 <p>MAZR_M00491 (E val: 9.6906e-12)</p>

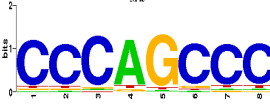

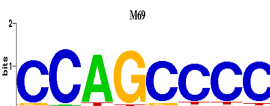



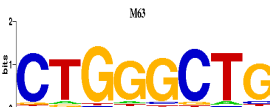

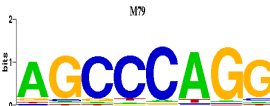

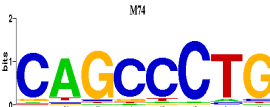

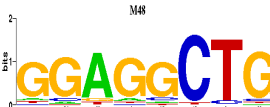

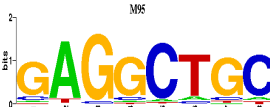

 <p><b>M67</b></p>	 <p><b>GBF_M00633</b> (E val: 7.8493e-14)</p>
 <p><b>M96</b></p>	 <p><b>UF1H3BETA_M01068</b> (E val: 5.7988e-10)</p>
 <p><b>M12</b></p>	 <p><b>MAZ_M00649</b> (E val: 1.9689e-07)</p>
 <p><b>M65</b></p>	 <p><b>Lyf-1_M00141</b> (E val: 5.0260e-08)</p>
 <p><b>M30</b></p>	 <p><b>Sp3_M00665</b> (E val: 1.4123e-08)</p>
 <p><b>M32</b></p>	 <p><b>MAZ_M00649</b> (E val: 1.9164e-07)</p>
 <p><b>M47</b></p>	 <p><b>MAZ_M00649</b> (E val: 1.8818e-07)</p>
 <p><b>M58</b></p>	 <p><b>Olf-1_M00261</b> (E val: 2.9386e-07)</p>

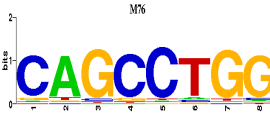
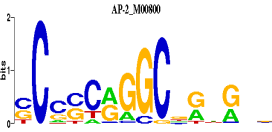
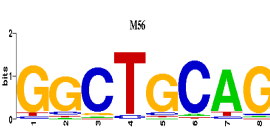
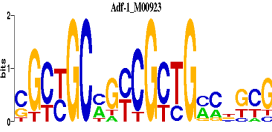
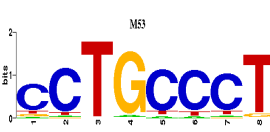

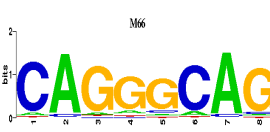
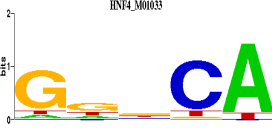
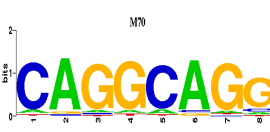

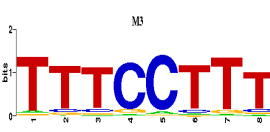
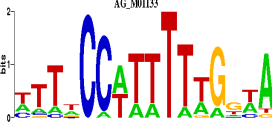
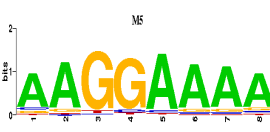

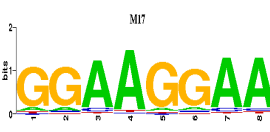

<p>M49</p>  <p>M49</p>	<p>GC_M00255</p>  <p>GC_M00255 (E val: 1.5710e-10)</p>
<p>M77</p>  <p>M77</p>	<p>ERF2_M01057</p>  <p>ERF2_M01057 (E val: 4.8620e-09)</p>
<p>M86</p>  <p>M86</p>	<p>Sp1_M00933</p>  <p>Sp1_M00933 (E val: 3.8651e-09)</p>
<p>M19</p>  <p>M19</p>	<p>TFII-I_M00706</p>  <p>TFII-I_M00706 (E val: 6.4060e-13)</p>
<p>M21</p>  <p>M21</p>	<p>TFII-I_M00706</p>  <p>TFII-I_M00706 (E val: 8.7796e-09)</p>
<p>M26</p>  <p>M26</p>	<p>MAZ_M00649</p>  <p>MAZ_M00649 (E val: 1.9410e-11)</p>
<p>M90</p>  <p>M90</p>	<p>TFII-I_M00706</p>  <p>TFII-I_M00706 (E val: 1.2319e-05)</p>
<p>M25</p>  <p>M25</p>	<p>MAZ_M00649</p>  <p>MAZ_M00649 (E val: 1.9724e-07)</p>
<p></p>	<p></p>

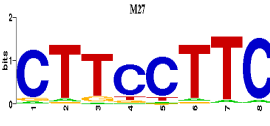

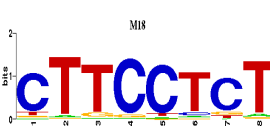

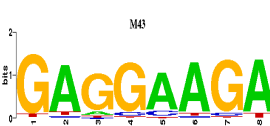

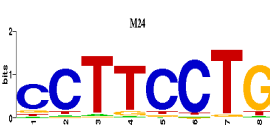

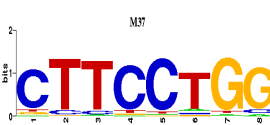
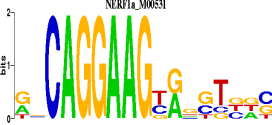
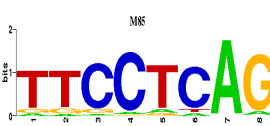

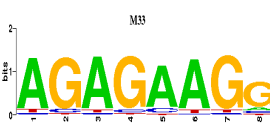

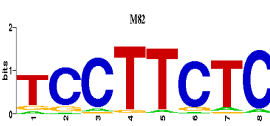

<p>M68</p>  <p>M68</p>	<p>MAZ_M00649</p>  <p>MAZ_M00649 (E val: 2.2618e-07)</p>
<p>M35</p>  <p>M35</p>	<p>UF1H3BETA_M01068</p>  <p>UF1H3BETA_M01068 (E val: 2.1383e-07)</p>
<p>M38</p>  <p>M38</p>	<p>TBX5_M01044</p>  <p>TBX5_M01044 (E val: 1.7994e-04)</p>
<p>M60</p>  <p>M60</p>	<p>Ttk_M00009</p>  <p>Ttk_M00009 (E val: 1.7886e-04)</p>
<p>M44</p>  <p>M44</p>	<p>MAZ_M00649</p>  <p>MAZ_M00649 (E val: 1.1408e-06)</p>
<p>M61</p>  <p>M61</p>	<p>UF1H3BETA_M01068</p>  <p>UF1H3BETA_M01068 (E val: 4.6133e-06)</p>
<p>M87</p>  <p>M87</p>	<p>MAZ_M00649</p>  <p>MAZ_M00649 (E val: 1.1582e-06)</p>
<p>M59</p>  <p>M59</p>	<p>Barbie_M00238</p>  <p>Barbie_M00238 (E val: 1.6659e-05)</p>

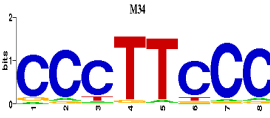



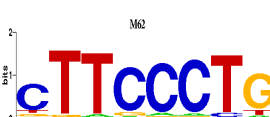

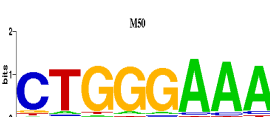

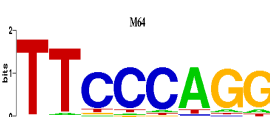

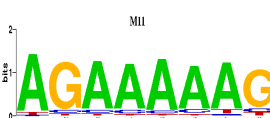

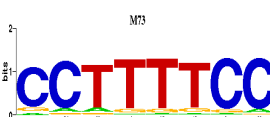

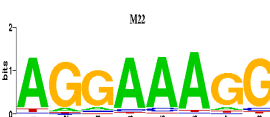



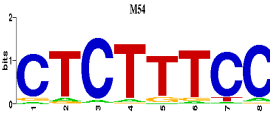
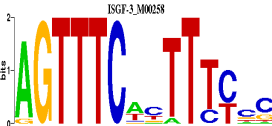
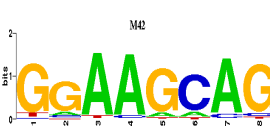

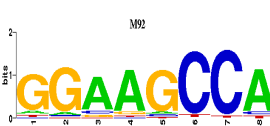

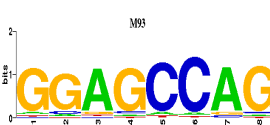

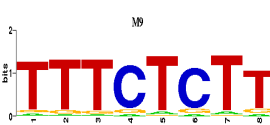

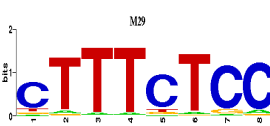

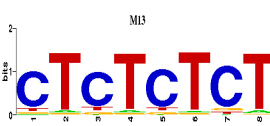

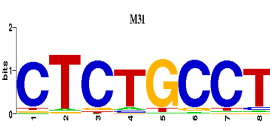

 <p><b>M84</b></p>	 <p><b>Tel-2_M00678</b> (E val: 6.1077e-05)</p>
 <p><b>M78</b></p>	 <p><b>Barbie_M00238</b> (E val: 1.5713e-08)</p>
 <p><b>M83</b></p>	 <p><b>Barbie_M00238</b> (E val: 1.4991e-05)</p>
 <p><b>M97</b></p>	 <p><b>AP-2_M00915</b> (E val: 7.6141e-06)</p>
 <p><b>M28</b></p>	 <p><b>LMAF_M01139</b> (E val: 1.5390e-06)</p>
 <p><b>M71</b></p>	 <p><b>LMAF_M01139</b> (E val: 1.4368e-06)</p>
 <p><b>M51</b></p>	 <p><b>LUN-1_M00480</b> (E val: 3.4205e-06)</p>
 <p><b>M91</b></p>	 <p><b>Ttk_M00009</b> (E val: 1.8407e-04)</p>

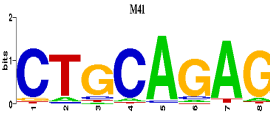

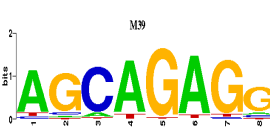

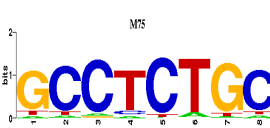

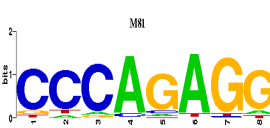

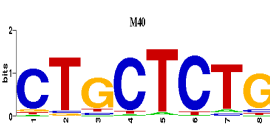



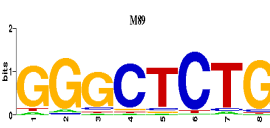

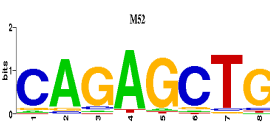

<p>M45</p>  <p>M45</p>	<p>CAC-binding_M00720</p>  <p>CAC-binding_M00720 (E val: 7.3794e-09)</p>
<p>M69</p>  <p>M69</p>	<p>Sp1_M00933</p>  <p>Sp1_M00933 (E val: 1.0371e-07)</p>
<p>M57</p>  <p>M57</p>	<p>CAC-binding_M00720</p>  <p>CAC-binding_M00720 (E val: 2.8905e-07)</p>
<p>M63</p>  <p>M63</p>	<p>YY1_M00069</p>  <p>YY1_M00069 (E val: 4.5527e-05)</p>
<p>M79</p>  <p>M79</p>	<p>AP-2_M00915</p>  <p>AP-2_M00915 (E val: 2.5704e-04)</p>
<p>M74</p>  <p>M74</p>	<p>ZBRK1_M01105</p>  <p>ZBRK1_M01105 (E val: 3.0112e-05)</p>
<p>M48</p>  <p>M48</p>	<p>SMAD4_M00733</p>  <p>SMAD4_M00733 (E val: 3.6726e-05)</p>
<p>M95</p>  <p>M95</p>	<p>SMAD4_M00733</p>  <p>SMAD4_M00733 (E val: 7.4491e-05)</p>
<p></p>	<p></p>

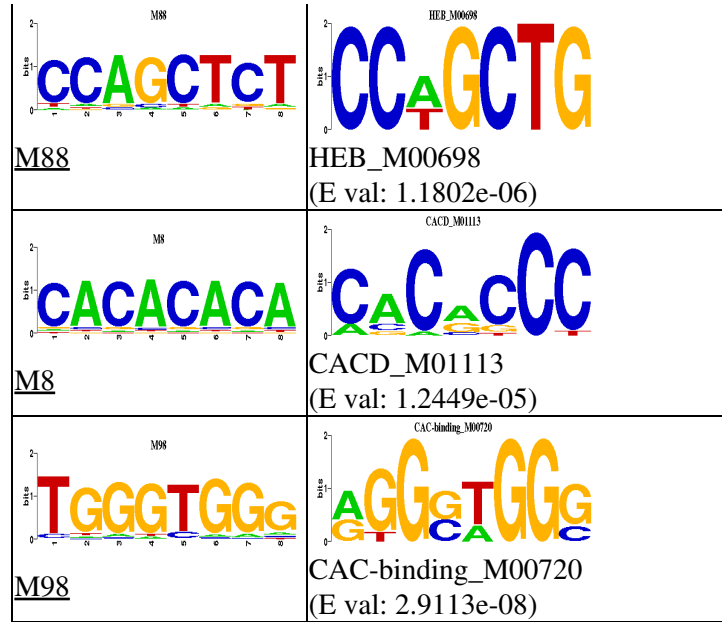
<p>M76</p>  <p>M76</p>	<p>AP-2_M00800</p>  <p>AP-2_M00800 (E val: 5.6885e-05)</p>
<p>M56</p>  <p>M56</p>	<p>Adf-1_M00923</p>  <p>Adf-1_M00923 (E val: 3.7975e-06)</p>
<p>M53</p>  <p>M53</p>	<p>E2A_M00973</p>  <p>E2A_M00973 (E val: 7.9005e-06)</p>
<p>M66</p>  <p>M66</p>	<p>HNF4_M01033</p>  <p>HNF4_M01033 (E val: 9.9081e-05)</p>
<p>M70</p>  <p>M70</p>	<p>E2A_M00973</p>  <p>E2A_M00973 (E val: 9.0104e-06)</p>
<p>M3</p>  <p>M3</p>	<p>AG_M01133</p>  <p>AG_M01133 (E val: 7.5265e-08)</p>
<p>M5</p>  <p>M5</p>	<p>Helios_M01004</p>  <p>Helios_M01004 (E val: 2.6369e-11)</p>
<p>M17</p>  <p>M17</p>	<p>MAF_M00648</p>  <p>MAF_M00648 (E val: 3.3959e-06)</p>

 <p><b>M27</b></p>	 <p><b>MAF_M00648</b> (E val: 1.9187e-07)</p>
 <p><b>M18</b></p>	 <p><b>PU.1_M00658</b> (E val: 5.0007e-11)</p>
 <p><b>M43</b></p>	 <p><b>PU.1_M00658</b> (E val: 7.3399e-11)</p>
 <p><b>M24</b></p>	 <p><b>Tel-2_M00678</b> (E val: 2.7343e-09)</p>
 <p><b>M37</b></p>	 <p><b>NERF1a_M00531</b> (E val: 2.4961e-09)</p>
 <p><b>M85</b></p>	 <p><b>XPF-1_M00684</b> (E val: 3.5131e-07)</p>
 <p><b>M33</b></p>	 <p><b>GATA-1_M00347</b> (E val: 2.5142e-05)</p>
 <p><b>M82</b></p>	 <p><b>KAISO_M01119</b> (E val: 2.2740e-04)</p>

<p>M34</p>  <p>M34</p>	<p>UF1H3BETA_M01068</p>  <p>UF1H3BETA_M01068 (E val: 3.0853e-07)</p>
<p>M55</p>  <p>M55</p>	<p>UF1H3BETA_M01068</p>  <p>UF1H3BETA_M01068 (E val: 3.2431e-07)</p>
<p>M62</p>  <p>M62</p>	<p>MAF_M00648</p>  <p>MAF_M00648 (E val: 4.1874e-06)</p>
<p>M50</p>  <p>M50</p>	<p>RBP-Jkappa_M01112</p>  <p>RBP-Jkappa_M01112 (E val: 1.5408e-07)</p>
<p>M64</p>  <p>M64</p>	<p>RBP-Jkappa_M01112</p>  <p>RBP-Jkappa_M01112 (E val: 2.3956e-07)</p>
<p>M11</p>  <p>M11</p>	<p>dI_M00043</p>  <p>dI_M00043 (E val: 1.8319e-05)</p>
<p>M73</p>  <p>M73</p>	<p>Nanog_M01123</p>  <p>Nanog_M01123 (E val: 1.8096e-06)</p>
<p>M22</p>  <p>M22</p>	<p>PBF_M01130</p>  <p>PBF_M01130 (E val: 2.2804e-06)</p>

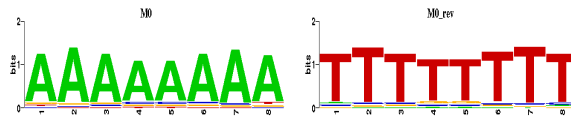
 <p><b>M54</b></p>	 <p><b>ISGF-3_M00258</b> (E val: 1.8012e-07)</p>
 <p><b>M42</b></p>	 <p><b>c-Ets-1_M00743</b> (E val: 1.2339e-06)</p>
 <p><b>M92</b></p>	 <p><b>GCR1_M00337</b> (E val: 5.5252e-07)</p>
 <p><b>M93</b></p>	 <p><b>BRK_M01096</b> (E val: 2.0731e-05)</p>
 <p><b>M9</b></p>	 <p><b>IRF_M00972</b> (E val: 1.7759e-08)</p>
 <p><b>M29</b></p>	 <p><b>PU.1_M00658</b> (E val: 5.8464e-06)</p>
 <p><b>M13</b></p>	 <p><b>GAGA_M00723</b> (E val: 1.3075e-06)</p>
 <p><b>M31</b></p>	 <p><b>Dde_M00304</b> (E val: 3.5241e-06)</p>

 <p><b>M41</b></p>	 <p><b>LMAF_M01139</b> (E val: 1.3172e-05)</p>
 <p><b>M39</b></p>	 <p><b>TAL1_M00993</b> (E val: 9.1839e-06)</p>
 <p><b>M75</b></p>	 <p><b>Eve_M00629</b> (E val: 8.5530e-05)</p>
 <p><b>M81</b></p>	 <p><b>HSF_M00641</b> (E val: 4.2495e-06)</p>
 <p><b>M40</b></p>	 <p><b>HSF_M00167</b> (E val: 5.2065e-06)</p>
 <p><b>M72</b></p>	 <p><b>LF-A1_M00646</b> (E val: 2.2510e-05)</p>
 <p><b>M89</b></p>	 <p><b>LF-A1_M00646</b> (E val: 1.8683e-05)</p>
 <p><b>M52</b></p>	 <p><b>Sry-beta_M00666</b> (E val: 7.9974e-06)</p>





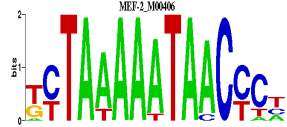
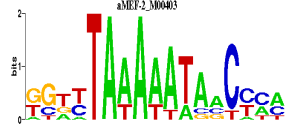
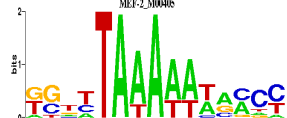
### Motif Similarity Matches

**M0**



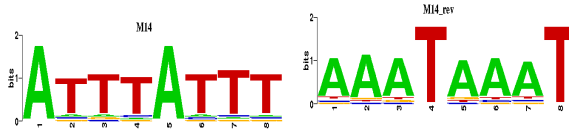
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
Hb_M00022	1.1162e-06	-TTTTTTTT NTTTTTNYK	
MEF-2_M00006	2.2978e-06	---AAAAAAA--- TCTAAAATAACYCY	
MEF-2_M00406	3.0301e-06	----TTTTTTTT-- NGGTTATTTTTAGM	
aMEF-2_M00403	4.4418e-06	----TTTTTTTT-- KKGNTATTTTTARNCM	
MEF-2_M00405	5.4438e-06	--TTTTTTTT-- RGKNWTTTTTANNSM	



**M14**

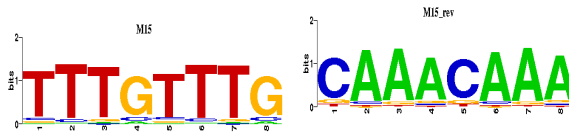


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
Croc_M00266	1.8226e-10	-----ATTTATTT- NNNNMTATTTATTNT	
POU1F1_M00744	9.9378e-08	ATTTATTT- WWTATNCA	
Lentiviral_M00318	1.4638e-07	ATTTATTT CTTTATT-	
<b>TBP_M00471</b>	1.7712e-07	-ATTTATTT WATTTAT--	
HFH1_M00129	2.3383e-07	AAATAAAT --- AWATAAACAWT	

**M15**

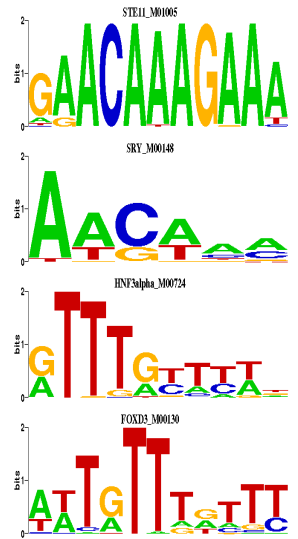


*forward*

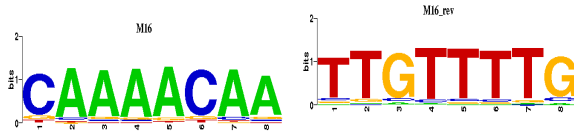
*reverse compliment*

Name	E value	Alignment	Motif
HFH4_M00742	4.6508e-08	----CAAACAAA TAAACAAACAMW	

STE11_M01005	1.9096e-07	TTTGTTTG--- TTTCTTTGTTC
SRY_M00148	4.3752e-07	TTTGTTTG KNTGTT--
HNF3alpha_M00724	6.5432e-07	-CAAACAAA- NWRARCAAAA
FOXD3_M00130	1.3461e-06	CAAACAAA---- -AAANAAACAWT



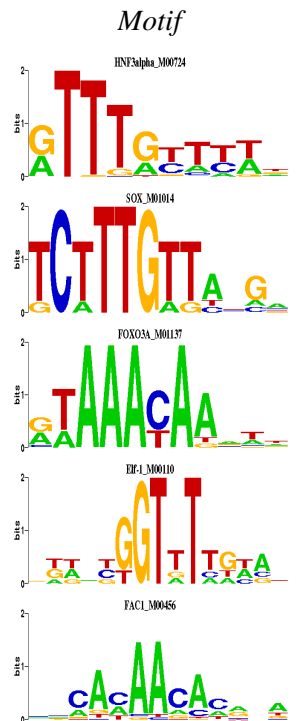
**M16**



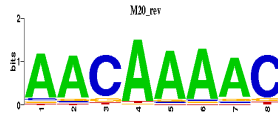
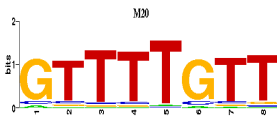
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
HNF3alpha_M00724	3.6711e-06	--TTGTTTGG RITTGYTYWN
SOX_M01014	8.1322e-06	-CAAACAAA--- NCNTAACAAAGA
FOXO3A_M01137	2.4965e-05	CAAACAAA--- RTAAACAANNN
Elf-1_M00110	3.3572e-05	---CAAACAAA--- NNNNNANACCNNNNN
FAC1_M00456	3.4244e-05	---TTGTTTGG-- NNNNTGTTKTGNN



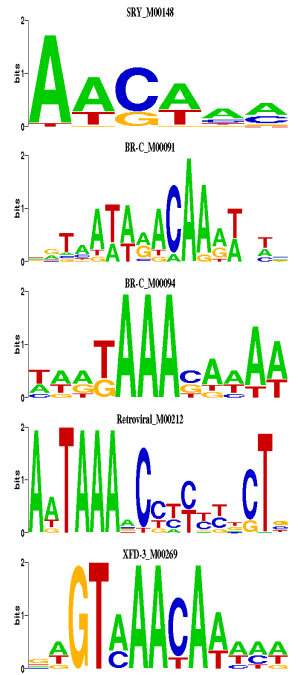
**M20**



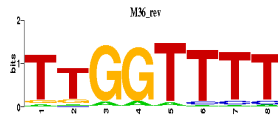
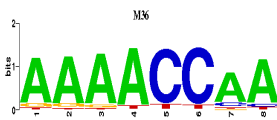
*forward*

*reverse compliment*

Name	E value	Alignment
SRY_M00148	3.2018e-07	GTTTGT --KNTGTT
BR-C_M00091	1.8735e-06	--GTTTGT----- NNNWTGTYTANN
BR-C_M00094	3.9632e-06	GTTTGT----- -TTWTSTTAYWW
Retroviral_M00212	5.8262e-06	-----GTTTGT NAGNRRRRGNTTATT
XFD-3_M00269	6.5844e-06	GTTTGT----- WKWTTGTTTACWN



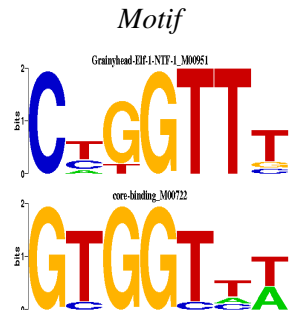
**M36**



*forward*

*reverse compliment*

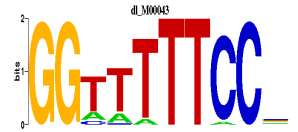
Name	E value	Alignment
Grainyhead-Elf-1-NTF-1_M00951	8.6868e-07	TTGGTTTT CYGGTTT-
core-binding_M00722	4.2710e-06	TTGGTTTT GTGGTNW-



dI\_M00043

1.7230e-05

----AAAACCAA  
 NGGAAAAACC--



Elf-1\_M00110

2.2020e-05

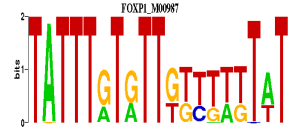
---TTGGTTTT---  
 NNNNNGGTNTNNNN



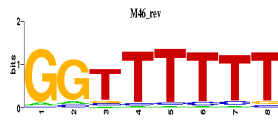
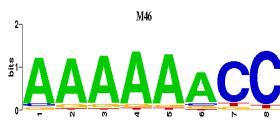
FOXP1\_M00987

2.3373e-05

---AAAACCAA-----  
 ATAAAAACAACACAAATA



**M46**



*forward*

*reverse compliment*

*Name*

*E value*

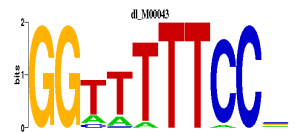
*Alignment*

*Motif*

dI\_M00043

1.2915e-08

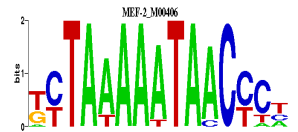
GGTTTTT--  
 GGTTTTCCN



MEF-2\_M00406

5.7521e-06

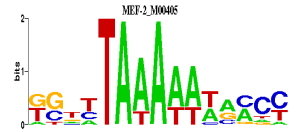
--GGTTTTT-----  
 NGGGTATTTTTAGM



MEF-2\_M00405

6.8451e-06

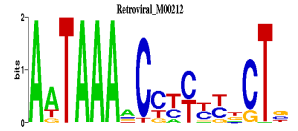
-----AAAAACC-  
 KSNNTAAAAWNMCY



Retroviral\_M00212

1.0880e-05

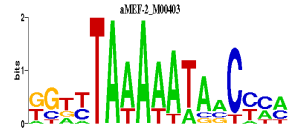
-----GGTTTTT-  
 NAGNRRRRRGNTTTATT



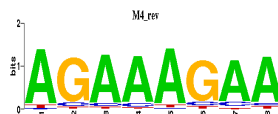
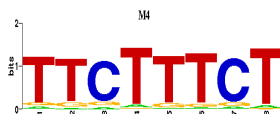
aMEF-2\_M00403



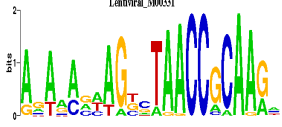


1.1897e-05

--GGTTTTT-----  
 KKRGNATTTTTARNCM

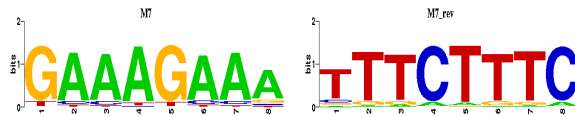






**M4**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STE11_M01005	2.1399e-07	-TTCTTTCT-- TTTCTTTGTT	
STE11_M00274	3.1010e-06	-----AGAAAGAA--- WNNNNAACAAAGAAANW	
Lentiviral_M00331	5.8057e-06	-----TTCTTTCT NCTTGC GGTTANNCTNNTYNT	
BPC1_M01126	2.4098e-05	TTCTTTCT --NTTTC-	
SMAD3_M00701	2.4162e-05	AGAAAGAA AGNCAGAC	

**M7**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STE11_M01005	2.5410e-08	---GAAAGAAA GAACAAAGAAA	
STE11_M00274	4.4842e-07	-----GAAAGAAA--- WNNNNAACAAAGAAANW	
Rim101p_M01030	1.1018e-06	TTTCTTTC TTNCTTG-	
HSF_M00163	8.5129e-06	-GAAAGAAA----- GAANAGAANAGAAN	

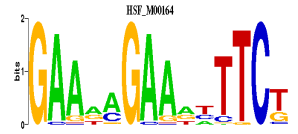
Stamp Results

10/01/13

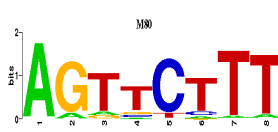
HSF\_M00164

8.5129e-06

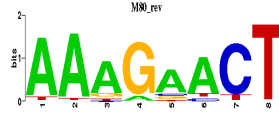
-GAAAGAAA-----  
GAANAGAANNNTTCT



**M80**



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

PR\_M00960

6.8921e-07

-AGTTCTTT  
NTGYCNNW



ZBRK1\_M01105

4.1518e-06

AAAGAACT-----  
AAANNCTGCKSCC



PEND\_M01015

1.3173e-05

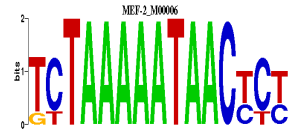
AGTTCTTT  
ACTTCTT-



MEF-2\_M00006

1.3806e-05

-----AAAGAACT--  
TCTAAAATAACYCY



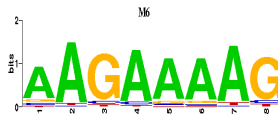
STE11\_M01005

2.7939e-05

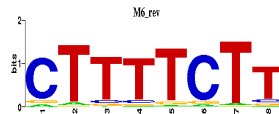
AGTTCTTT----  
-TTTCTTTGTTT



**M6**



*forward*



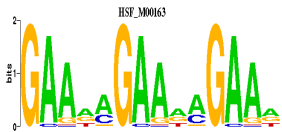

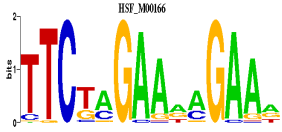


*reverse compliment*

*Name*

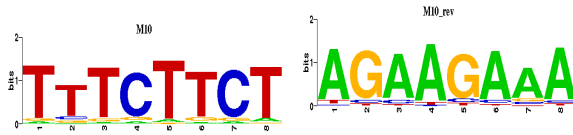
*E value*

*Alignment*

*Motif*





HSF_M00163	7.3070e-09	---CTTTTCTT--- NTTCTNTTCTNTTC	
Rim101p_M01030	1.2643e-06	CTTTTCTT- --TTNCTTG	
HSF_M00166	2.5394e-06	---CTTTTCTT--- NTTCTNTTCTAGAA	
Evi-1_M00078	8.3790e-06	----CTTTTCTT--- TTATCTTATCTTRTC	
Evi-1_M00011	2.1104e-05	-AAGAAAAG CAAGATAA-	

**M10**



*forward*

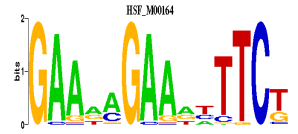
*reverse compliment*

Name	E value	Alignment	Motif
Rim101p_M01030	1.1410e-06	TTTCTTCT TTNCTTG-	
Elf-1_M00746	1.4067e-05	-TTTCTTCT-- AYTTCCTCTTN	
STE11_M01005	2.7711e-05	TTTCTTCT--- TTTCTTTGTC	
HSF_M00163	5.9821e-05	----TTTCTTCT- NTTCTNTTCTNTTC	

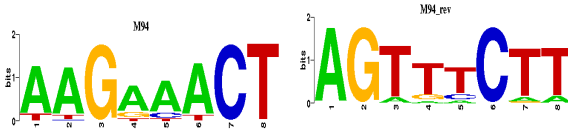
HSF\_M00164

5.9821e-05

-----TTTCTTCT-  
AGAANNTTCTNTTC



**M94**



*forward*

*reverse compliment*

*Name*

*E value*

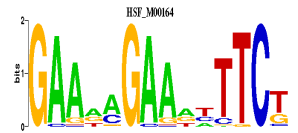
*Alignment*

*Motif*

HSF\_M00164

3.0941e-06

---AGTTTCTT---  
AGAANNTTCTNTTC



Rim101p\_M01030

4.1618e-06

AGTTTCTT-  
--TTNCTTG



ICSBP\_M00699

5.2027e-06

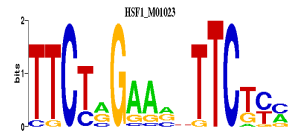
-AGTTTCTT--  
CAGTTTCAYTT



HSF1\_M01023

2.0308e-05

-AAGAACT-----  
KRAGAANNTTCYAGAA



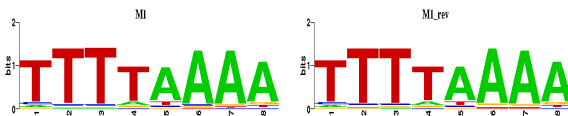
STE12\_M00664

2.2738e-05

AGTTTCTT  
-GTTCA-



**M1**



*forward*

*reverse compliment*

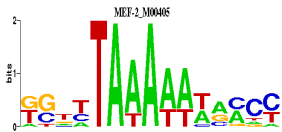

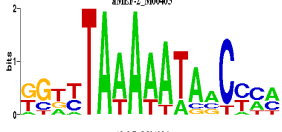

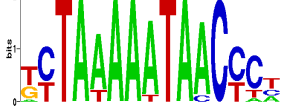
*Name*

*E value*

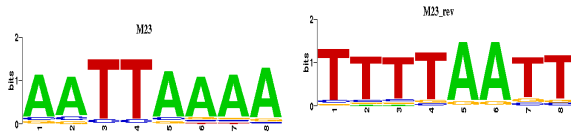
*Alignment*

*Motif*



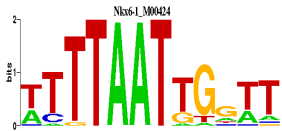


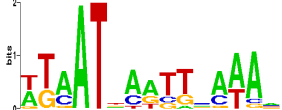
MEF-2_M00405	2.6470e-06	-----TTTTAAAA- RGKNWTTTTTTANNSM	
TATA_M00216	5.8372e-06	TTTTAAAA- CTATAAAN	
aMEF-2_M00403	1.7831e-05	-----TTTTAAAA- KKRGNtATTTTTARNCM	
Abd-B_M01094	2.5336e-05	TTTTAAAA TTTTAT--	
MEF-2_M00406	1.3193e-04	-----TTTTAAAA NGGTTATTTTTAGM-	

**M23**



*forward*

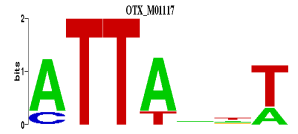
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Nkx6-1_M00424	9.4912e-11	TTTTAATT---- WTTTAATTGNTT	
Nkx2-5_M00241	1.4315e-06	-AATTAAAA NAATTAW--	
Lhx3_M00510	3.5445e-06	TTTTAATT-- -WTTAATTAN	
CF1A_M01098	4.3590e-06	-TTTTAATT----- NTTNAAYTNATTAW	

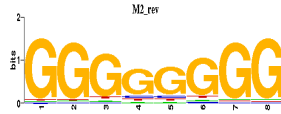
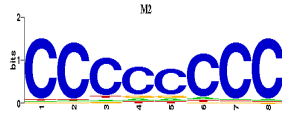
OTX\_M01117

4.6648e-06

TTTTAATT  
-ATTANNT



**M2**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

MAZR\_M00491

9.6906e-12

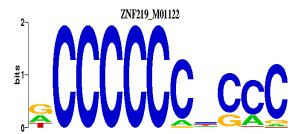
---CCCCCCC-  
NNKCCCCCCCCS



ZNF219\_M01122

2.0975e-10

--GGGGGGG-  
GGNGGGGGGN



Sp1\_M00931

1.8449e-07

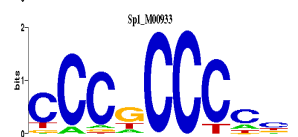
GGGGGGG-  
GGCGGGGN



Sp1\_M00933

4.5253e-07

CCCCCCC-  
CCCKCCCCN



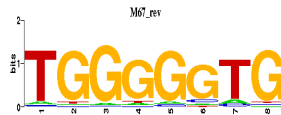
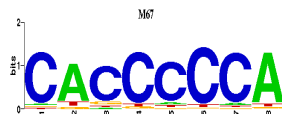
Sp3\_M00665

5.4630e-07

CCCCCCC-----  
CCCYSCCCAAGKS



**M67**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

Stamp Results

10/01/13

GBF\_M00633 7.8493e-14

TGGGGGTG  
TNGGGGTN



UF1H3BETA\_M01068 1.5429e-07

----CACCCCCA-  
GCCCCTCCCCRC



Egr\_M00807 1.8363e-06

--CACCCCCA  
NYYGCSCCCA



CACD\_M01113 6.7636e-06

CACCCCCA  
CACRCC-

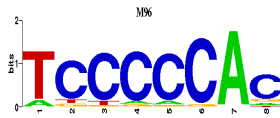


Alfin1\_M00479 9.1023e-06

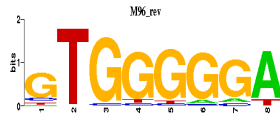
-----TGGGGGTG  
NRNRNGTGGGGNNK



M96



*forward*



*reverse compliment*

Name E value

Alignment

Motif

UF1H3BETA\_M01068 5.7988e-10

-----TCCCCCAC  
GCCCCTCCCCRC



GBF\_M00633 4.5330e-06

-TCCCCCAC  
NACCCNA-



MZF1\_M00084 8.5952e-06

-TCCCCCAC---  
TTNCCCCTCNNN



SREBP-1\_M00221 1.3161e-05

--TCCCCCAC  
ATCACCAC

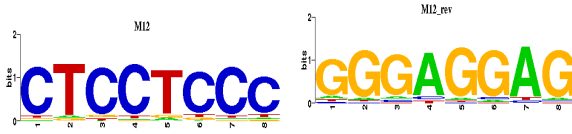


MOVO-B\_M01104 4.5943e-05

GTGGGGGA  
-NGGGGG-



**M12**

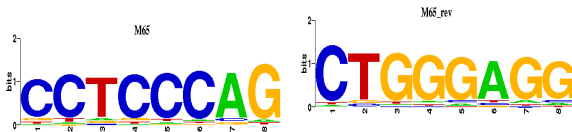


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MAZ_M00649	1.9689e-07	CTCCTCCC -CCCTCCC	
Tra-1_M01048	2.8464e-06	GGGAGGAG GGWGGT-	
UF1H3BETA_M01068	3.4777e-06	-CTCCTCCC---- GCCCCTCCCCRC	
TFII-I_M00706	1.5393e-05	CTCCTCCC-- --CCTMCNTC	
ZNF219_M01122	3.4478e-05	GGGAGGAG--- GGNNGGGGGGN	

**M65**

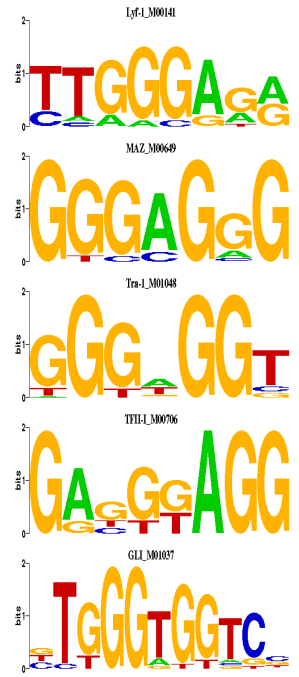


*forward*

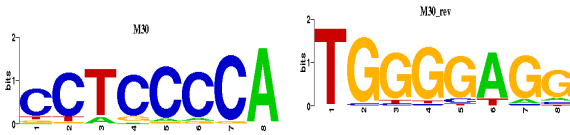
*reverse compliment*

Name	E value	Alignment	Motif
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Lyf-1_M00141	5.0260e-08	CCTCCCAG YCTCCCAA
MAZ_M00649	2.0847e-07	-CCTCCCAG CCCTCCC--
Tra-1_M01048	2.7111e-06	-CCTCCCAG ACCWCCC--
TFII-I_M00706	1.3122e-05	CCTCCCAG CCTMCNTC
GLI_M01037	1.6016e-05	---CCTCCCAG NGACCACCCAN



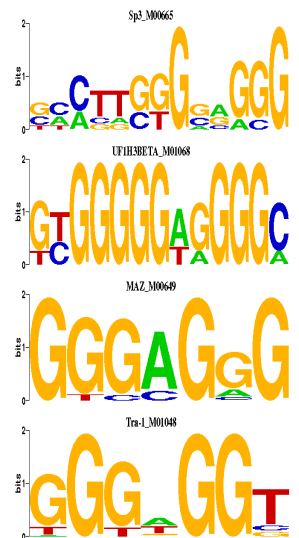
**M30**



*forward*

*reverse compliment*

Name	E value	Alignment
Sp3_M00665	1.4123e-08	-CCTCCCCA---- CCCYSCCAAGKS
UF1H3BETA_M01068	1.4963e-07	---CCTCCCCA-- GCCCTCCCCRC
MAZ_M00649	2.5006e-07	-CCTCCCCA CCCTCCC--
Tra-1_M01048	1.3506e-06	TGGGGAGG- --GGWGGT



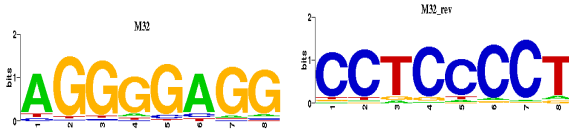
Lyf-1\_M00141

4.3672e-06

CCTCCCCA  
YCTCCCAA



**M32**

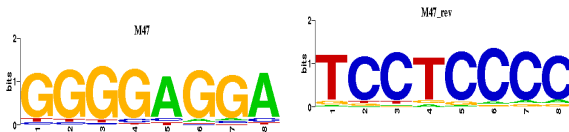


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MAZ_M00649	1.9164e-07	-CCTCCCCT CCCTCCC--	
UF1H3BETA_M01068	2.3741e-07	---CCTCCCCT-- GCCCCTCCCCRC	
Tra-1_M01048	2.8671e-06	-CCTCCCCT ACCWCCC--	
Sp1_M00933	7.3192e-06	AGGGGAGG- NNGGGMGGG	
TFII-I_M00706	1.1362e-05	AGGGGAGG GANGKAGG	






**M47**



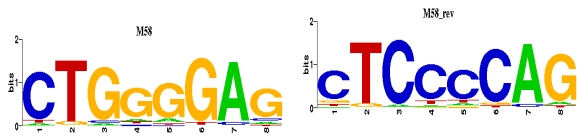
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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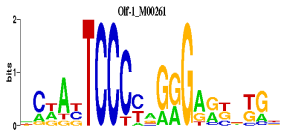


MAZ_M00649	1.8818e-07	TCCTCCCC CCCTCCC-	
UF1H3BETA_M01068	2.3785e-07	---GGGGAGGA-- GYGGGGGAGGGGC	
Tra-1_M01048	2.7702e-06	TCCTCCCC ACCWCCC-	
Sp1_M00933	8.3631e-06	-GGGGAGGA NGGGGMGGG	
TFII-I_M00706	1.0329e-05	-GGGGAGGA GANGKAGG-	

**M58**



*forward*

*reverse compliment*

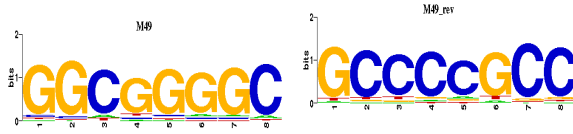
Name	E value	Alignment	Motif
Olf-1_M00261	2.9386e-07	-----CTGGGGAG----- NCMNNYTCCCNRRGGANTNGN	
Sp3_M00665	1.6452e-05	--CTCCCCAG--- CCCYSCCCAAGKS	
UF1H3BETA_M01068	5.9825e-05	----CTCCCCAG- GCCCTCCCCRC	
CP2_M00072	7.9794e-05	--CTCCCCAG CNCNAMCCAG	

SREBP-1\_M00221 1.1231e-04

CTGGGGAG--  
GTGGGGTGAT



**M49**

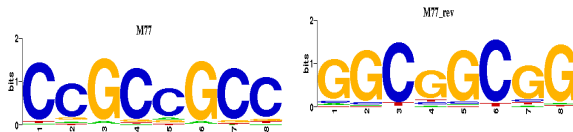


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GC_M00255	1.5710e-10	--GCCCGCC-- NNGCCCCGCCNN	
Sp1_M00931	2.5608e-09	-GGCGGGC GGCGGGGN	
Sp1_M00008	2.6450e-08	GCCCGCC- WCCYGCCY	
Sp1_M00196	6.2081e-08	---GGCGGGC- NGGGGCGGGNN	
Sp1_M00932	6.5478e-08	-GCCCGCC-- NNCCCCGCCNN	

**M77**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Stamp Results

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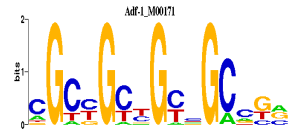
ERF2\_M01057 4.8620e-09

GGCGGCGG  
GGCGGC--



Adf-1\_M00171 1.4557e-07

--GGCGGCGG-----  
NMNGCNRCRGCRGCG



ETF\_M00695 2.7492e-06

CCGCCGCC  
CCGCCN--



KROX\_M00982 4.2508e-06

-----GGCGGCGG  
GNNGNGGGGGCGG

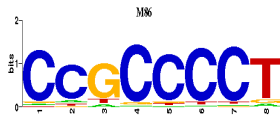


ABI4\_M00958 1.1439e-05

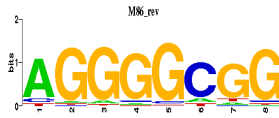
-GGCGGCGG-  
GGGCGGTGCN



M86



*forward*



*reverse compliment*

*Name E value Alignment*

Sp1\_M00933 3.8651e-09

AGGGGCGG-  
NNGGGMGGG

Sp1\_M00196 5.8666e-08

AGGGGCGG----  
NNGGGCGGGNN

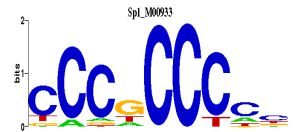
KROX\_M00982 2.1957e-07

-----AGGGGCGG  
GNNGNGGGGGCGG

GC\_M00255 2.9909e-07

AGGGGCGG----  
NNGGGCGGGCNN

*Motif*



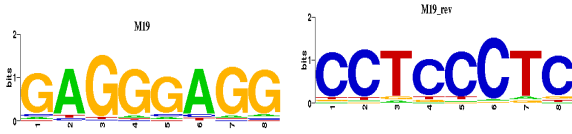
Egr\_M00807

5.0286e-06

-CCGCCCT-  
NYYGCSCCCA



**M19**

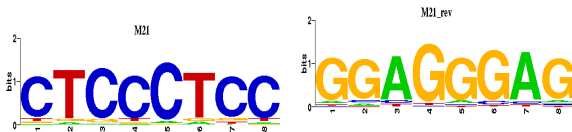


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
TFII-I_M00706	6.4060e-13	CCTCCCTC CCTMCNTC	
MAZ_M00649	1.9970e-07	-CCTCCCTC CCCTCCC--	
Tra-1_M01048	2.8189e-06	-CCTCCCTC ACCWCCC--	
UF1H3BETA_M01068	3.7900e-06	---CCTCCCTC-- GCCCCTCCCCRC	
PU.1_M00658	5.3894e-06	GAGGGAGG GAGGAAG-	

**M21**







*forward*

*reverse compliment*

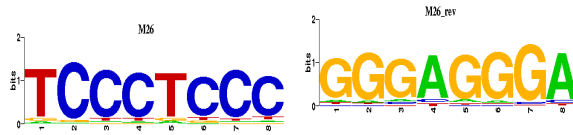
Name	E value	Alignment	Motif
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Stamp Results

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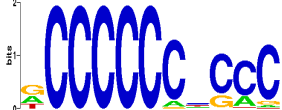
TFII-I_M00706	8.7796e-09	GGAGGGAG- -GANGKAGG	
MAZ_M00649	1.9923e-07	CTCCCTCC- --CCCTCCC	
PU.1_M00658	8.7990e-06	CTCCCTCC CTTCTC-	
ZNF219_M01122	3.1936e-05	-GGAGGGAG-- GGNGGGGGGN	
MAF_M00648	1.2726e-04	GGAGGGAG----- NGRRGGAAGTKKNSN	

M26



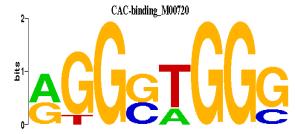
*forward*

*reverse compliment*

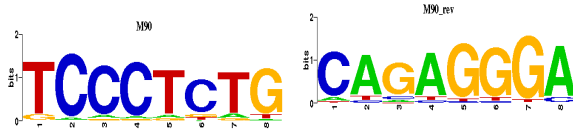
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAZ_M00649	1.9410e-11	GGGAGGGA GGGAGGG-	
UF1H3BETA_M01068	2.2440e-07	----GGGAGGGA- GYGGGGGAGGGC	
Tra-1_M01048	2.7605e-06	TCCCTCCC -ACCWCCC	
ZNF219_M01122	2.9706e-06	GGGAGGGA--- GGNGGGGGGN	

CAC-binding\_M00720 6.4407e-06

TCCCTCCC-  
-CCCASCCY



**M90**

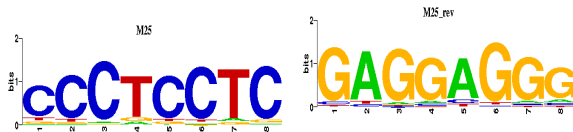


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
TFII-I_M00706	1.2319e-05	--TCCCTCTG CCTMCNTC--	
MAF_M00648	2.0840e-04	-----TCCCTCTG NSNMMACTTCYYCN-	
MAZ_M00649	2.2990e-04	TCCCTCTG -CCCTCCC	
Elf-1_M00746	3.3768e-04	--TCCCTCTG- AYTTCCTCTTN	
RBP-Jkappa_M01111	4.6693e-04	CAGAGGGA -NGTGGGA	

**M25**



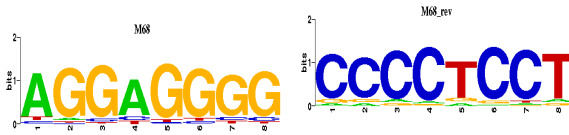
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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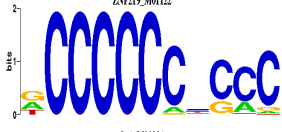

MAZ_M00649	1.9724e-07	CCCTCCTC CCCTCCC-	
UF1H3BETA_M01068	4.0159e-06	--CCCTCCTC--- GCCCTCCCCRC	
PU.1_M00658	6.9427e-06	GAGGAGGG GAGGAAG-	
ZNF219_M01122	2.7693e-05	--GAGGAGGG- GGGNGGGGGN	
Sp1_M00933	3.4570e-05	-GAGGAGGG NGGGMGGG	

**M68**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAZ_M00649	2.2618e-07	CCCCTCCT -CCCTCCC	
UF1H3BETA_M01068	2.7268e-07	-CCCCTCCT---- GCCCTCCCCRC	
ZNF219_M01122	3.1486e-06	---CCCCTCCT NCCCCCNCCC	
Sp1_M00931	1.3314e-05	-CCCCTCCT NCCCCGCC	

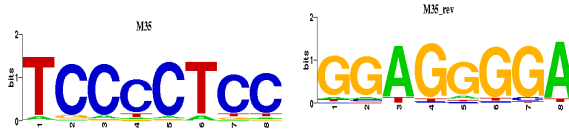
STRE\_M00308

1.9311e-05

-CCCCTCCT  
NCCCCT---



**M35**

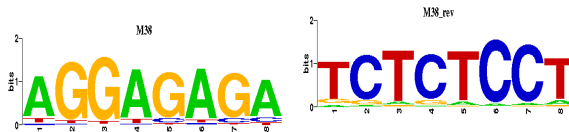


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
UF1H3BETA_M01068	2.1383e-07	TCCCCTCC----- GCCCTCCCCCRC	
MAZ_M00649	2.3224e-07	TCCCCTCC- --CCCTCC	
ZNF219_M01122	2.0052e-06	--TCCCCTCC- NCCCCCNCCC	
ABF1_M00399	1.3502e-05	-----TCCCCTCC- NNTCNGCCACGTGTCCNNNW	
FACB_M00388	1.6913e-05	----TCCCCTCC----- NNNNTCCNNTNSNNNNNGGAKNNNN	

**M38**





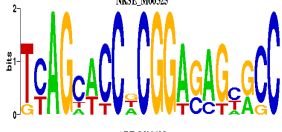

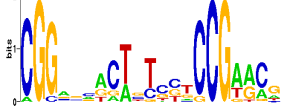
*forward*

*reverse compliment*

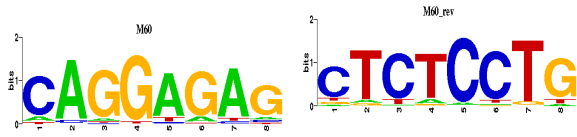
Name	E value	Alignment	Motif
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Stamp Results

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TBX5_M01044	1.7994e-04	-AGGAGAGA AAGGTGTGA	
MAZ_M00649	6.9976e-04	TCTCTCCT -CCCTCCC	
NRSE_M00325	8.2690e-04	-----AGGAGAGA--- TCAGCACCCNCGGAGAGYGCC	
ARF_M00438	8.9628e-04	AGGAGAGA- --GAGACAA	
GAL4_M00198	1.5211e-03	-----TCTCTCCT----- CGGNNNNCTNTNNNCCGARCN	

**M60**



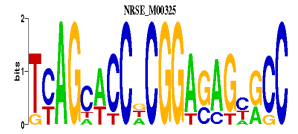
*forward*

*reverse compliment*

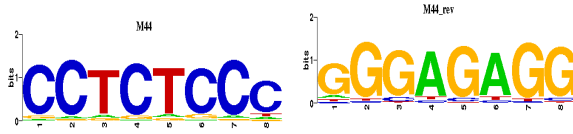
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Ttk_M00009	1.7886e-04	CTCTCCTG- --GTCCTGC	
AREB6_M00412	2.5217e-04	---CAGGAGAG- RNWCAGGTRNRN	
LXR_M00965	7.1847e-04	---CTCTCCTG----- GNCCTNNNNTRACCYN	
MAZ_M00649	7.2792e-04	CTCTCCTG CCCTCCC-	

NRSE\_M00325 1.2159e-03

---CTCTCCTG-----  
GGCRCTCTCCGNGGTGCTGA



**M44**

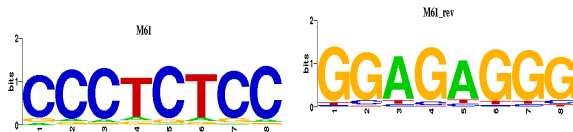


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MAZ_M00649	1.1408e-06	CCTCTCCC -CCCTCCC	
UF1H3BETA_M01068	4.3764e-06	---CCTCTCCC-- GCCCCTCCCCRC	
ZNF219_M01122	3.0594e-05	GGGAGAGG--- GGNGGGGGGN	
Lyf-1_M00141	5.0883e-05	--GGGAGAGG TTGGGAGR--	
BLIMP1_M01066	7.0277e-05	-CCTCTCCC---- YMCTTTCMCTTYC	

**M61**



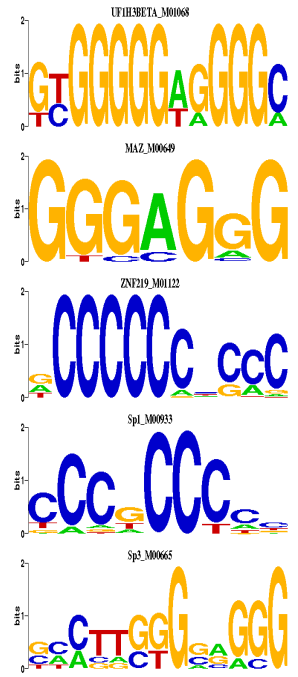
*forward*

*reverse compliment*

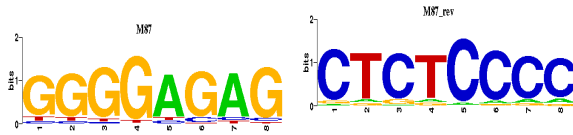
Name	E value	Alignment	Motif
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UF1H3BETA_M01068	4.6133e-06	--CCCTCTCC--- GCCCTCCCCRC
MAZ_M00649	6.2879e-06	CCCTCTCC CCCTCCC-
ZNF219_M01122	3.4165e-05	-GGAGAGGG-- GGGNGGGGGGN
Sp1_M00933	1.1112e-04	-GGAGAGGG NGGGGMGGG
Sp3_M00665	2.0689e-04	CCCTCTCC----- CCCYSCCAAGKS



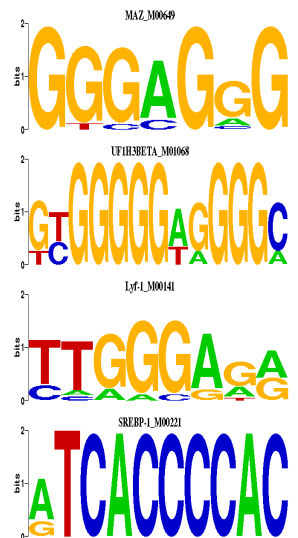
**M87**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MAZ_M00649	1.1582e-06	CTCTCCCC CCCTCCC-	GGGAGGG
UF1H3BETA_M01068	4.8620e-06	---GGGGAGAG-- GYGGGGGAGGGG	GTGGGGAGGGC
Lyf-1_M00141	6.7119e-05	-GGGGAGAG TTGGGAGR-	TTGGGAGA
SREBP-1_M00221	8.1314e-05	--GGGGAGAG GTGGGTGAT	ATCACCCAC



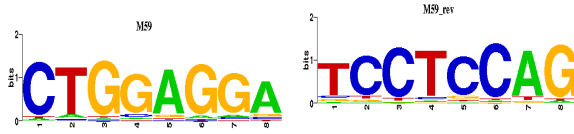
Sp1\_M00933

1.4821e-04

CTCTCCCC-  
CCCKCCCCN



**M59**

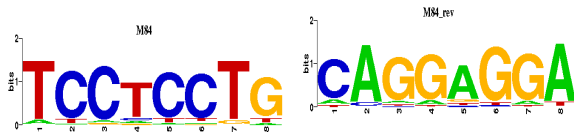


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Barbie_M00238	1.6659e-05	TCCTCCAG----- -CMNNCNSCTTTNNN	
MAZ_M00649	2.1542e-04	TCCTCCAG CCCTCCC-	
BRK_M01096	2.4388e-04	CTGGAGGA NTGGCG--	
PU.1_M00658	2.7611e-04	--TCCTCCAG CTTCCTC---	
Nrf-2_M00108	7.6811e-04	-TCCTCCAG SNCTCCGG	

**M84**




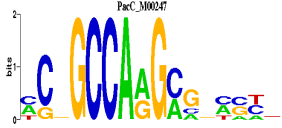



*forward*

*reverse compliment*

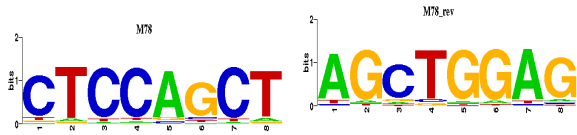
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Stamp Results

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Tel-2_M00678	6.1077e-05	CAGGAGGA- CAGGAAGTA	
PacC_M00247	1.0011e-04	---TCCTCCTG----- NNNNNNKCYTGCCNGN	
Ttk_M00009	1.7919e-04	-CAGGAGGA GCAGGAC--	
KAISO_M01119	1.9861e-04	-CAGGAGGA NTNGCAGGA	
Nrf-2_M00108	2.0332e-04	CAGGAGGA- CCGGAAGNS	

**M78**



*forward*

*reverse compliment*

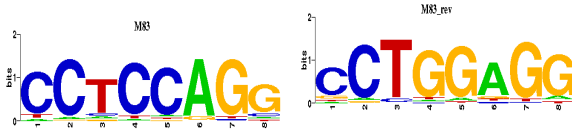
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Barbie_M00238	1.5713e-08	-CTCCAGCT----- CMNNCNSCTTTNNN	
HEB_M00698	1.1959e-06	-AGCTGGAG CAGCWGG--	
LBP-1_M00644	5.6527e-06	CTCCAGCT --SCAGCN	
AP-4_M00176	1.3707e-05	CTCCAGCT-- -NNCAGCTGN	

TAL1\_M00993 9.0100e-05

---AGCTGGAG  
RNCAGNTGG--



**M83**



*forward*

*reverse compliment*

*Name E value Alignment Motif*

Barbie\_M00238 1.4991e-05

CCTCCAGG-----  
CMNNCNSCTTTNNN



ZAP1\_M00754 5.8320e-05

-CCTGGAGG-  
ACCTTKAGGG



Pax-6\_M00979 8.1482e-05

--CCTCCAGG---  
KAGTTCAGGTCA



BRK\_M01096 2.2336e-04

CCTGGAGG  
-NTGGCG-

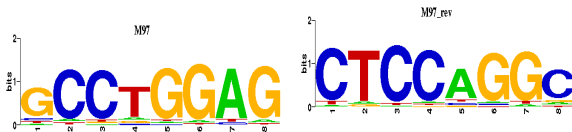


MAZ\_M00649 2.2886e-04

-CCTCCAGG  
CCCTCCC--



**M97**



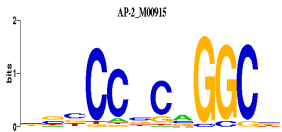




*forward*

*reverse compliment*

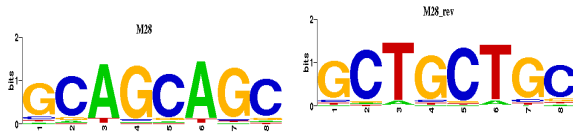
*Name E value Alignment Motif*

Stamp Results

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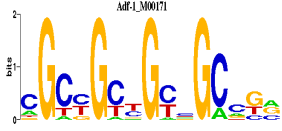
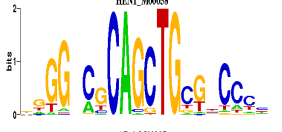

AP-2_M00915	7.6141e-06	-GCCTGGAG--- NGCCNGNGGNNN	
Pax-6_M00979	9.9811e-05	---CTCCAGGC-- KAGTTCAGGTCA	
BRK_M01096	1.7561e-04	GCCTGGAG --NTGGCG	
STAT5B_M00459	3.8601e-04	---GCCTGGAG--- NWTTCNGGAANYN	
AP-2_M00800	1.3071e-03	-----GCCTGGAG- NNYNYNGCCYGSSGS	

M28



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
LMAF_M01139	1.5390e-06	GCTGCTGC- -CTGCTGAS	
Adf-1_M00171	2.1175e-06	-GCTGCTGC----- CGCYGCGYNGCNKN	
HEN1_M00058	5.2917e-06	-----GCAGCAGC----- NNNGGNCGCAGCTGCGNCCNN	
AP-4_M00927	1.2158e-05	GCAGCAGC RCAGCTGN	

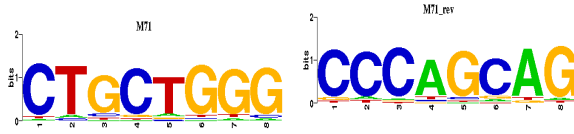
HEB\_M00698

1.3163e-05

GCTGCTGC  
CCWGCTG-



**M71**

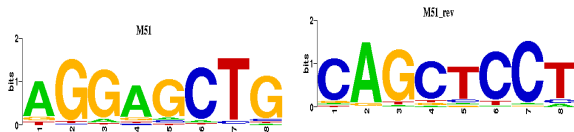


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
LMAF_M01139	1.4368e-06	CTGCTGGG CTGCTGAS	
HEB_M00698	6.4470e-06	CTGCTGGG CAGCWGG-	
AP-4_M00176	7.8892e-05	-CTGCTGGG NCAGCTGNN	
CAC-binding_M00720	1.3362e-04	CCCAGCAG CCCASCCY	
LUN-1_M00480	1.6787e-04	-----CTGCTGGG TCCCAAAGTAGCTGGG	

**M51**



*forward*

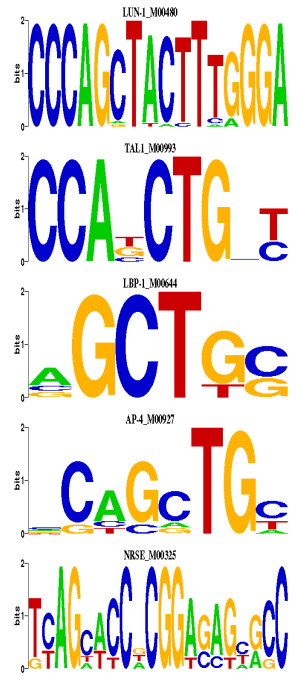
*reverse compliment*

Name	E value	Alignment	Motif
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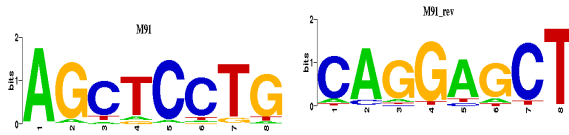
Stamp Results

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LUN-1_M00480	3.4205e-06	-----AGGAGCTG-- TCCCAAAGTAGCTGGG
TAL1_M00993	6.5693e-06	-CAGCTCCT CCANCTGNY
LBP-1_M00644	3.6635e-05	-CAGCTCCT SCAGCN---
AP-4_M00927	6.7775e-05	AGGAGCTG- -RCAGCTGN
NRSE_M00325	9.4998e-05	-CAGCTCCT----- TCAGCACCNCGGAGAGYGCC



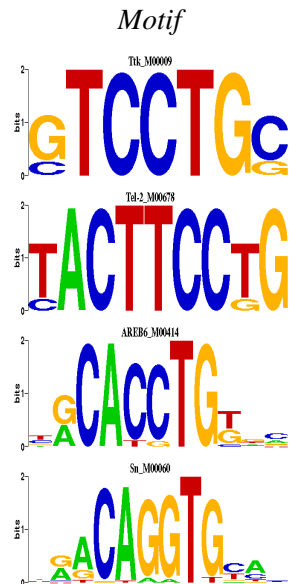
M91



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Ttk_M00009	1.8407e-04	-CAGGAGCT GCAGGAC--
Tel-2_M00678	2.3304e-04	CAGGAGCT- CAGGAAGTA
AREB6_M00414	4.5385e-04	---CAGGAGCT NNMCAGGTGYN
Sn_M00060	4.7253e-04	-AGCTCCTG--- NKRCACCTGTYN



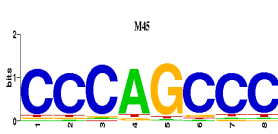
E12\_M00693

5.0771e-04

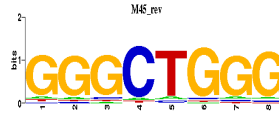
-AGCTCCTG-  
NNNCACCTGY



**M45**



*forward*



*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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CAC-binding_M00720	7.3794e-09	GGGCTGGG RGGSTGGG	
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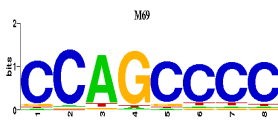
Sp1_M00931	7.2680e-08	-CCCAGCCC NCCCCGCC	
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Sp1_M00932	1.2675e-06	--CCCAGCCC-- NNCCCCGCCCN	
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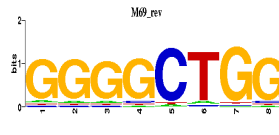
Sp1_M00196	1.4595e-06	--CCCAGCCC-- NNCCCCGCCCN	
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KROX_M00982	5.1128e-06	-GGGCTGGG---- GNNGNGGGGGCGG	
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**M69**



*forward*








*reverse compliment*

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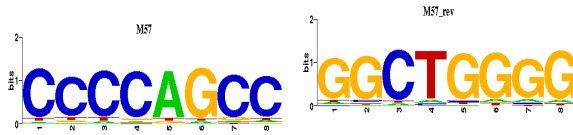


Stamp Results

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Sp1_M00933	1.0371e-07	-GGGGCTGG NNGGGMGGG	
Sp1_M00196	1.4607e-06	---CCAGCCCC- NNCCCCGCCCN	
KROX_M00982	5.1681e-06	GGGGCTGG----- GNNGNGGGGGCGG	
CAC-binding_M00720	8.7677e-06	-CCAGCCCC CCCASCCY-	
GC_M00255	1.4625e-05	----CCAGCCCC- NNGCCCCGCCNN	

**M57**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CAC-binding_M00720	2.8905e-07	-GGCTGGGG RGGSTGGG-	
AP-2_M00915	2.6927e-06	-GGCTGGGG--- NGCCNGNGGNN	
KROX_M00982	4.6751e-06	--GGCTGGGG--- GNNGNGGGGGCGG	
Dde_M00304	1.9417e-05	GGCTGGGG GGCTGAGC	

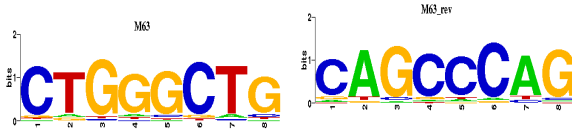
Alfin1\_M00479

5.7238e-05

---CCCCAGCC---  
MNNCCCCACNYNYN



**M63**

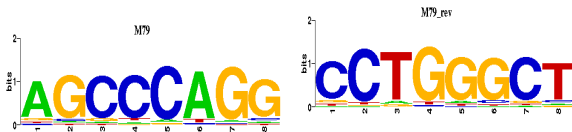


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
YY1_M00069	4.5527e-05	--CAGCCCAG----- WNSANNCAAGATGGCNGNN	
SREBP-1_M00221	7.7482e-05	--CAGCCCAG ATCACCCCAC	
SREBP_M00776	1.8542e-04	CTGGGCTG---- -TRGGGTGANNN	
CP2_M00072	2.2581e-04	--CAGCCCAG CNCNAMCCAG	
CP2-LBP-1c-LSF_M00947	4.7964e-04	CTGGGCTG----- CTGGNTNNNNCYNG	

**M79**



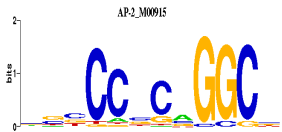




*forward*

*reverse compliment*

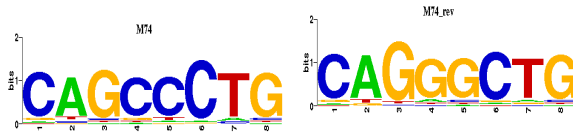
Name	E value	Alignment	Motif
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Stamp Results

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AP-2_M00915	2.5704e-04	--CCTGGGCT-- NGCCNGNGGNNN	
Egr-3_M00245	3.8345e-04	--CCTGGGCT- TGCGTGGGCGT	
Egr-1_M00243	4.2493e-04	-AGCCCAGG-- MCGCCCACGCA	
Egr-2_M00246	5.8282e-04	-AGCCCAGG-- MCGCCCACGCA	
SREBP-1_M00749	6.6095e-04	CCTGGGCT --TGGSCT	

**M74**



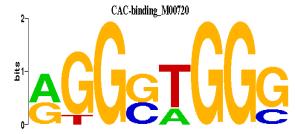
*forward*

*reverse compliment*

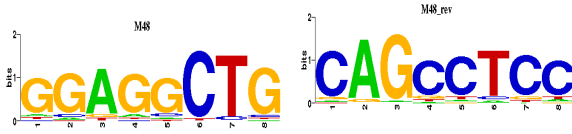
Name	E value	Alignment	Motif
ZBRK1_M01105	3.0112e-05	-CAGGGCTG----- AAANNCTGCKSCC	
Eve_M00629	9.9568e-05	-CAGGGCTG GCNGNSSWN	
Dde_M00304	8.6229e-04	CAGGGCTG--- ---GGCTGAGC	
Ttk_M00009	1.5253e-03	-CAGGGCTG GCAGGAC--	

CAC-binding\_M00720 2.6313e-03

--CAGCCCTG  
CCCASCCY--



**M48**

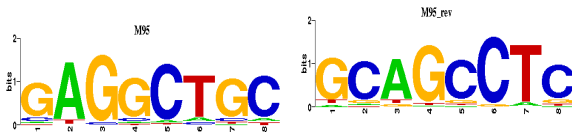


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
SMAD4_M00733	3.6726e-05	-GGAGGCTG----- RGNTGKCTGNMYSN	
MAZ_M00649	2.3821e-04	-GGAGGCTG GGGAGGG--	
ERF2_M01057	3.2096e-04	GGAGGCTG GGCGGC--	
CAC-binding_M00720	5.2557e-04	GGAGGCTG-- --RGGSTGGG	
Dde_M00304	9.7235e-04	GGAGGCTG--- ---GGCTGAGC	

**M95**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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SMAD4\_M00733 7.4491e-05

--GAGGCTGC----  
RGNTGKCTGNMYSN



LBP-1\_M00644 1.4424e-04

GAGGCTGC  
--NGCTGS



GCR1\_M00046 2.1100e-04

GAGGCTGC  
GWGGAAGC



HSF\_M00641 3.0050e-04

GCAGCCTC----  
GAARCYNCKNGA

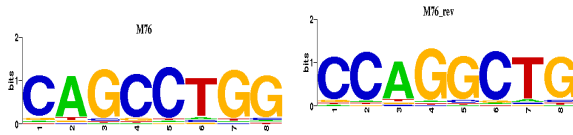


ERF2\_M01057 4.0974e-04

GAGGCTGC  
--GGCGGC



**M76**



*forward*

*reverse compliment*

*Name*

*E value*

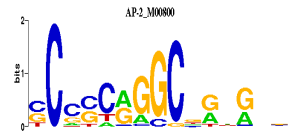
*Alignment*

*Motif*

AP-2\_M00800

5.6885e-05

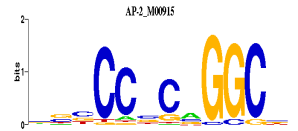
---CCAGGCTG---  
SCSSCRGGCNRNRNN



AP-2\_M00915

2.2194e-04

CAGCCTGG-----  
-NGCCNGNGGNNN



CAC-binding\_M00720 4.5490e-04

CCAGGCTG--  
--RGGSTGGG



RFX1\_M00280

6.3757e-04

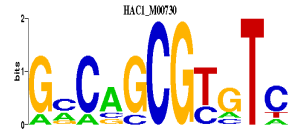
-----CCAGGCTG--  
NNGTTRCYWNGYNACN



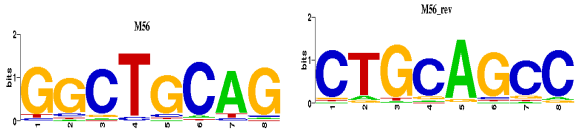
HAC1\_M00730

7.0290e-04

--CAGCCTGG--  
GMCAGCGTGTc



**M56**

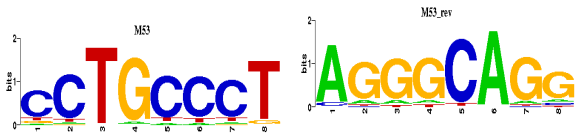


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
Adf-1_M00923	3.7975e-06	--CTGCAGCC----- SGCYGCMGYCGCTGMMNKYG	
RCS1_M00753	9.5500e-05	----GGCTGCAG AANTGGGTGCAK	
LBP-1_M00644	1.2143e-04	CTGCAGCC --SCAGCN	
Adf-1_M00171	1.8017e-04	-----CTGCAGCC-- CGCYGCGYNGCNKN	
ERF2_M01057	2.9454e-04	GGCTGCAG GGCGGC--	

**M53**




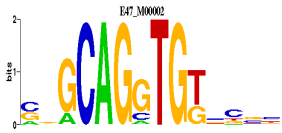


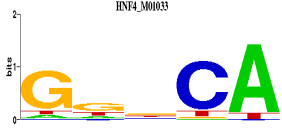
*forward*

*reverse compliment*

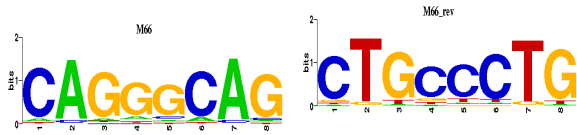
Name	E value	Alignment	Motif
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Stamp Results

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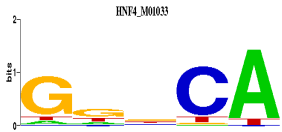


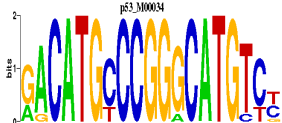
E2A_M00973	7.9005e-06	AGGGCAGG- --RNCAGNT	
E47_M00002	2.5122e-05	AGGGCAGG----- -SNGCAGGTGTNNNN	
Sp1_M00931	5.4400e-05	--CCTGCCCT NCCCCGCC-	
Sp1_M00933	7.2564e-05	-AGGGCAGG NGGGGMGGG	
HNF4_M01033	1.1088e-04	CCTGCCCT --TGNNC-	

**M66**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
HNF4_M01033	9.9081e-05	CTGCCCTG -TGNNC--	
Eve_M00629	6.9855e-04	-CAGGGCAG GCNGNSSWN	
Pax-6_M00979	1.2623e-03	-----CAGGGCAG KAGTTCCAGGTCA-	
p53_M00034	1.2712e-03	----CTGCCCTG----- RGACATGCCCGGGCATGTC	

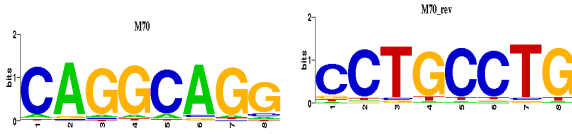
Ttk\_M00009

1.6483e-03

-CAGGGCAG  
GCAGGAC--



**M70**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

E2A\_M00973

9.0104e-06

CAGGCAGG-  
--RNCAGNT



Tel-2\_M00678

3.0636e-05

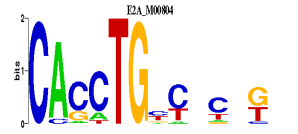
CAGGCAGG-  
CAGGAAGTA



E2A\_M00804

7.6422e-05

--CCTGCCTG---  
CACCTGNCNCNKN



TFII-I\_M00706

1.7250e-04

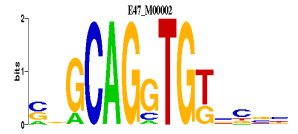
CCTGCCTG  
CCTMCNTC



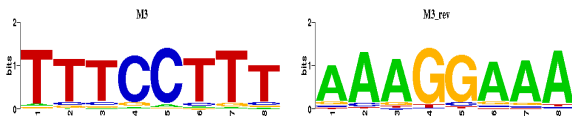
E47\_M00002

2.2404e-04

-----CCTGCCTG  
NNNNACCTGCNS-



**M3**



*forward*

*reverse compliment*

*Name*

*E value*

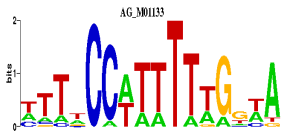




*Alignment*

*Motif*

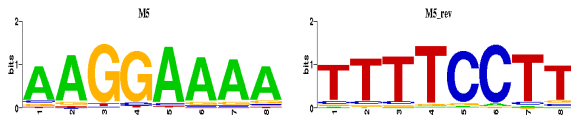


Stamp Results

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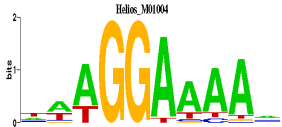
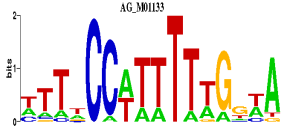
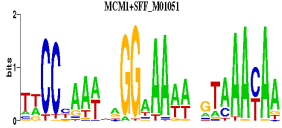

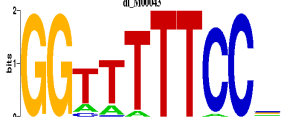
AG_M01133	7.5265e-08	-----AAAGGAAA-- TWNCAAAAAWGGNAAN	
Helios_M01004	1.2549e-07	--TTTCCTTT NTTTCCTWN	
PBF_M01130	2.2474e-06	TTTCCTTT ---CCTTT	
BLIMP1_M01066	5.9033e-06	---TTTCCTTT-- YMCTTTCMCTTYC	
MADS-A_M00408	6.2733e-06	TTTCCTTT----- TTTCATTTTNNWN	

M5

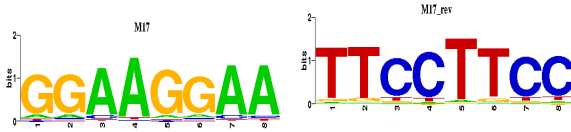


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Helios_M01004	2.6369e-11	-AAGGAAAA- NWAGGAAAAAN	
AG_M01133	3.2460e-07	-----AAGGAAAA TWNCAAAAAWGGNAAN	
MCM1+SFF_M01051	6.3058e-06	-----TTTTCCTT----- TTRTTTANNWTWTTNCCNNWTTNGGNA	
BLIMP1_M01066	1.1504e-05	--AAGGAAAA-- GRAAGKGAAGKR	
dl_M00043	1.5978e-05	AAGGAAAA--- -NGGAAAAACC	

**M17**

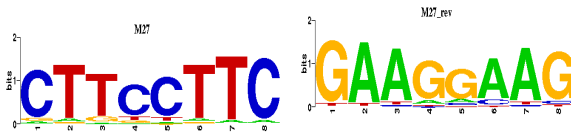


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAF_M00648	3.3959e-06	-----TTCCTTCC NSNMMACTTCCYCN	
Tel-2_M00678	7.3807e-05	TTCCTTCC-- -TACTTCTG	
Helios_M01004	8.8516e-05	---TTCCTTCC NTTTTCTWN-	
BLIMP1_M01066	9.7033e-05	-----TTCCTTCC YMCTTTCMCTTYC	
NERF1a_M00531	1.2235e-04	GGAAGGAA----- RNCAGGAAGYRNSTNNS	

**M27**

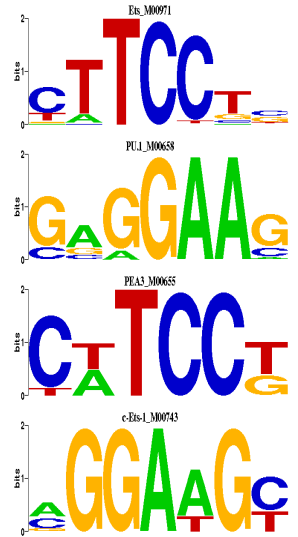


*forward*

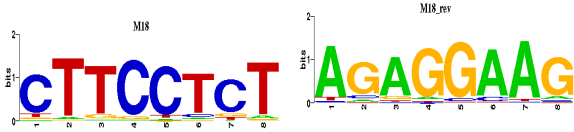
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAF_M00648	1.9187e-07	-----CTTCCTTC- NSNMMACTTCCYCN	

Ets_M00971	3.1294e-07	GAAGGAAG -NAGGAAG
PU.1_M00658	3.8102e-07	CTTCCTTC CTTCCTC-
PEA3_M00655	1.1012e-06	CTTCCTTC CWTCK--
c-Ets-1_M00743	2.0246e-06	GAAGGAAG- --MGGAAGC



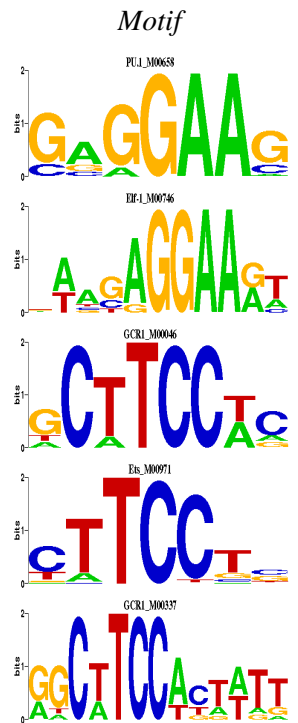
**M18**



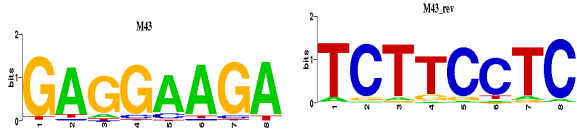
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
PU.1_M00658	5.0007e-11	CTTCCTCT CTTCCTC-
Elf-1_M00746	2.0812e-10	-CTTCCTCT-- AYTTCCTCTTN
GCR1_M00046	2.3475e-08	AGAGGAAG- -GWGGAAGC
Ets_M00971	2.3424e-07	AGAGGAAG -NAGGAAG
GCR1_M00337	4.3357e-07	--CTTCCTCT--- GGCTTCCACTWTT



**M43**

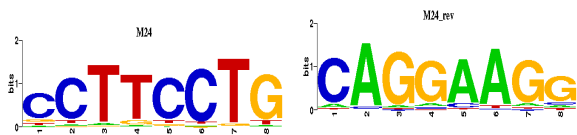


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	7.3399e-11	TCTTCTC -CTTCTC	
GCR1_M00046	1.3689e-08	GAGGAAGA GWGGAAGC	
Ets_M00971	3.1155e-07	GAGGAAGA NAGGAAG-	
Elf-1_M00746	8.0272e-07	TCTTCTC--- AYTTCCTCTT	
PEA3_M00655	1.0969e-06	GAGGAAGA -MGGAWG-	

**M24**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Tel-2_M00678	2.7343e-09	CAGGAAGG- CAGGAAGTA	
Ets_M00771	1.0315e-07	CAGGAAGG--- CAGGAAGYNNN	

Stamp Results

10/01/13

Ets\_M00971 2.2193e-07

CCTTCCTG  
-CTTCCTN



c-Ets-2\_M00340 2.9771e-07

----CCTTCCTG-  
ANNNACTTCCTGY

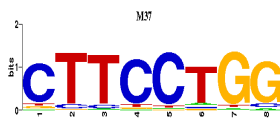


PU.1\_M00658 3.7278e-07

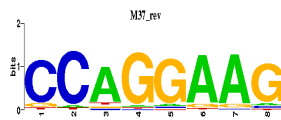
CCTTCCTG  
-CTTCCTC



M37



*forward*



*reverse compliment*

*Name*

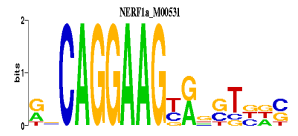
*E value*

*Alignment*

*Motif*

NERF1a\_M00531 2.4961e-09

-----CTTCCTGG-  
SNNASNYRCTTCCTGNY



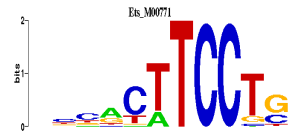
Tel-2\_M00678 2.8968e-09

--CTTCCTGG  
TACTTCCTG-



Ets\_M00771 1.3179e-07

----CTTCCTGG  
NNNRCTTCCTG-



Ets\_M00971 2.7285e-07

CCAGGAAG  
-NAGGAAG

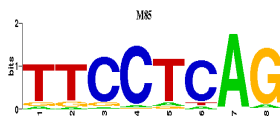


c-Ets-2\_M00340 3.3775e-07

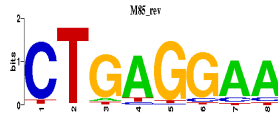
----CTTCCTGG  
ANNNACTTCCTGY



M85



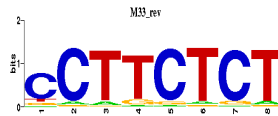
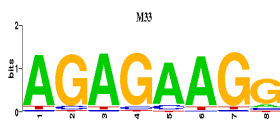
*forward*



*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
XPF-1_M00684	3.5131e-07	-TTCCTCAG GKTSNYCNG	
PU.1_M00658	6.2073e-07	-TTCCTCAG CTTCCTC--	
GCR1_M00046	2.5419e-05	CTGAGGAA-- --GWGGAAGC	
Elf-1_M00746	6.0139e-05	-CTGAGGAA-- NAAGAGGAART	
Ets_M00971	2.3037e-04	CTGAGGAA-- --NAGGAAG	

**M33**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GATA-1_M00347	2.5142e-05	CCTTCTCT- YNTTATCTN	
Sry-beta_M00666	3.2102e-05	AGAGAAGG AGWGATGC	

Stamp Results

10/01/13

Lmo2\_M00278 5.7890e-05

CCTTCTCT  
CSNTATCK



GATA-2\_M00349 9.3966e-05

CCTTCTCT-  
TNTTATCTS

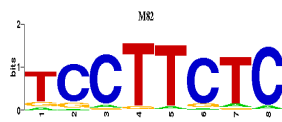


GATA-3\_M00350 1.3243e-04

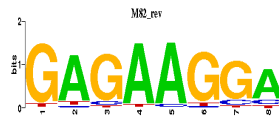
CCTTCTCT-  
TNTTATCTY



M82



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

KAISO\_M01119 2.2740e-04

-GAGAAGGA  
NTNGCAGGA



PEND\_M01015 3.0151e-04

TCCTTCTC  
-ACTTCTT



Ttk\_M00009 1.6112e-03

GAGAAGGA-  
--GCAGGAC



Lmo2\_M00278 1.6427e-03

-GAGAAGGA  
MGATANS-

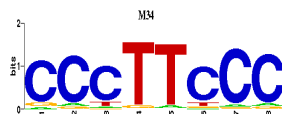


MAF\_M00648 1.7454e-03

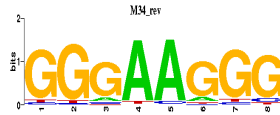
GAGAAGGA-----  
-NGRRGGAAGTKKNSN



M34



*forward*



*reverse compliment*

*Name* *E value*

*Alignment*

*Motif*

UF1H3BETA\_M01068 3.0853e-07

---CCCTTCCC---  
GCCCCTCCCCRC



MAZ\_M00649 3.3080e-06

CCCTTCCC  
---CCCTCCC



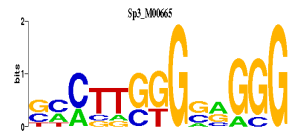
BLIMP1\_M01066 7.7957e-06

-----CCCTTCCC  
YMCTTTCMCTTYC-



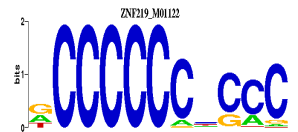
Sp3\_M00665 1.9555e-05

CCCTTCCC-----  
CCCYSCCCAAGKS

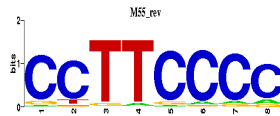
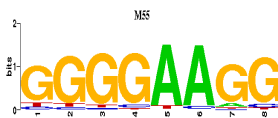


ZNF219\_M01122 3.1661e-05

---CCCTTCCC  
NCCCCCNCCC



**M55**



*forward*

*reverse compliment*

*Name* *E value*

*Alignment*

*Motif*

UF1H3BETA\_M01068 3.2431e-07

--CCTTCCCC--  
GCCCCTCCCCRC



AtMYB-84\_M00970 8.4321e-07

---CCTTCCCC-  
SCACCTACCNC

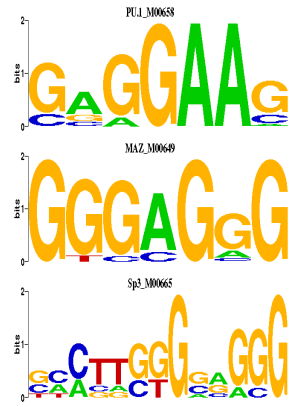




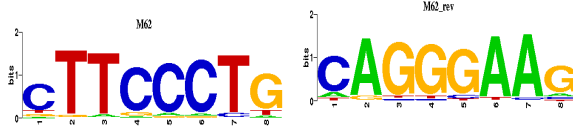
Stamp Results

10/01/13

PU.1_M00658	1.2013e-06	CCTTCCCC -CTTCCTC
MAZ_M00649	3.2570e-06	GGGGAAGG -GGGAGGG
Sp3_M00665	3.6509e-05	-----GGGGAAGG SMCTTGGGSRGGG



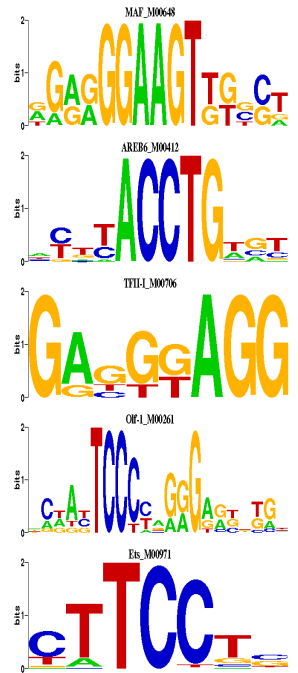
M62



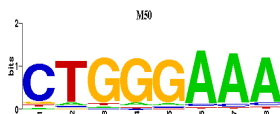
*forward*

*reverse complement*

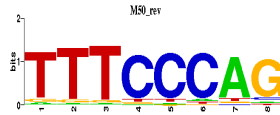
Name	E value	Alignment	Motif
MAF_M00648	4.1874e-06	-----CTTCCCTG- NSNMMACTTCCYYCN	
AREB6_M00412	1.8274e-05	---CAGGGAAG- RNWCAGGTRNRN	
TFII-I_M00706	9.7639e-05	CTTCCCTG CCTMCNTC	
Olf-1_M00261	1.8449e-04	----CTTCCCTG----- NCMNNYTCCNRRGGGANTNGN	
Ets_M00971	2.2856e-04	CAGGGAAG -NAGGAAG	



M50

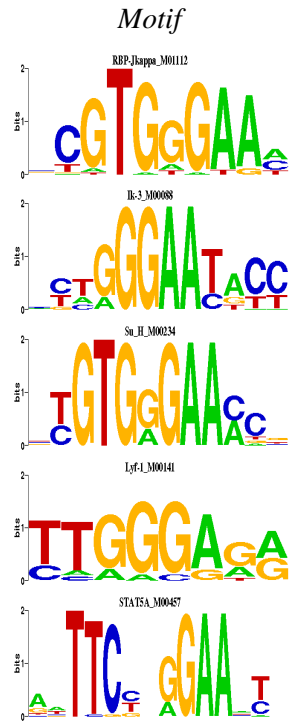


*forward*

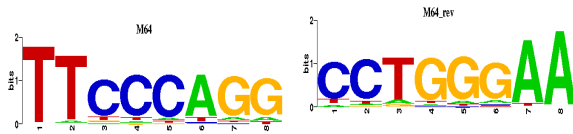


*reverse compliment*

Name	E value	Alignment
RBP-Jkappa_M01112	1.5408e-07	TTTCCCAG-- KTTCCCACGN
Ik-3_M00088	6.8364e-07	---TTTCCCAG- GGTATTCCNRN
Su_H_M00234	1.4292e-06	--CTGGGAAA-- NYGTGGGAAMCN
Lyf-1_M00141	1.7749e-05	TTTCCCAG YCTCCCAA
STAT5A_M00457	3.6835e-05	----CTGGGAAA-- RNTTCYNGGAANYN



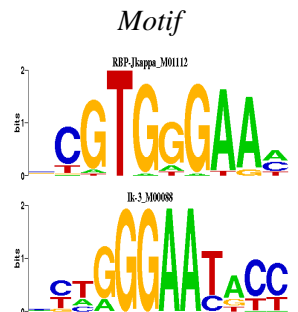
**M64**



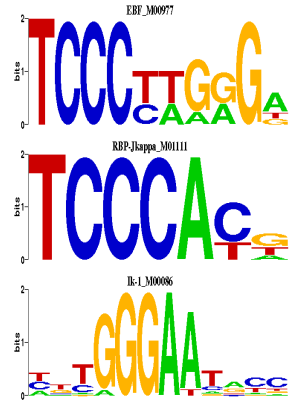
*forward*

*reverse compliment*

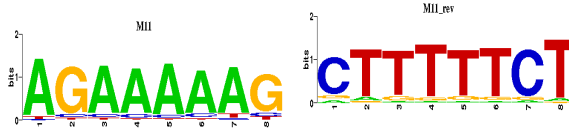
Name	E value	Alignment
RBP-Jkappa_M01112	2.3956e-07	-TTCCCAGG- KTTCCCACGN
Ik-3_M00088	6.5132e-07	----TTCCCAGG GGTATTCCNRN



EBF_M00977	2.4204e-05	---CCTGGGAA TCCCYWGRGN-
RBP-Jkappa_M01111	2.5162e-05	CCTGGGAA NGTGGGA-
Ik-1_M00086	5.4927e-05	----TTCCCAGG NNNATTCCCANN



**M11**

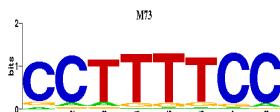


*forward*

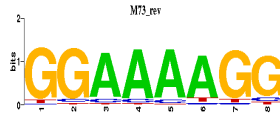
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
dl_M00043	1.8319e-05	-AGAAAAAG- NGGAAAAACC	
Dof_M01136	3.3417e-05	---CTTTTTCT NNNCTTTTTN-	
dl_M00120	1.8532e-04	-CTTTTTCT- NGNTTTCYC	
Helios_M01004	2.0739e-04	CTTTTTCT-- NNTTTCCTWN	
Abd-B_M01094	2.2801e-04	CTTTTTCT --TTTTAT	

**M73**

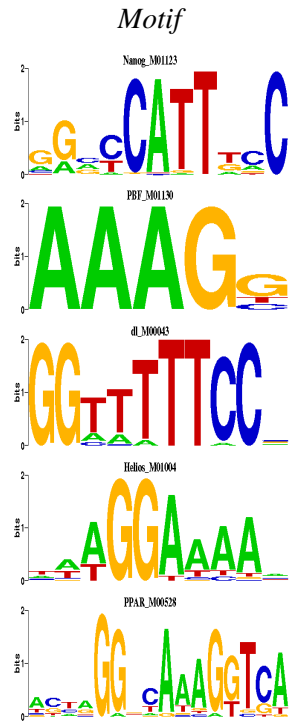


*forward*

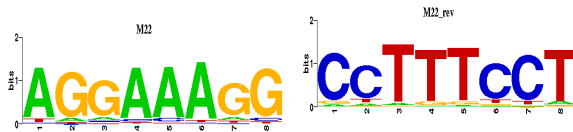


*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Nanog_M01123	1.8096e-06	GGAAAAGG--- GGMAATGGNCC
PBF_M01130	2.2397e-06	CCTTTTCC CCTTT---
dl_M00043	1.5011e-05	-GGAAAAGG- -NGGAAAAACC
Helios_M01004	1.5081e-05	CCTTTTCC--- -NTTTTCCTWN
PPAR_M00528	2.2601e-05	---CCTTTTCC----- TGACCTTTGNCNNNN



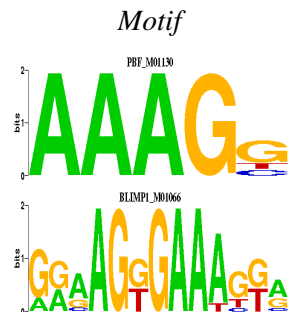
**M22**






*forward*

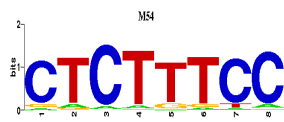
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
PBF_M01130	2.2804e-06	CCTTTcCT CCTTT---
BLIMP1_M01066	8.8929e-06	-CCTTTcCT----- YMCTTTcMCTTYC



BPC1_M01126	1.2328e-05	CCTTTCTCT -NTTTC--	
Helios_M01004	2.2309e-05	CCTTTCTCT-- NTTTCCTWN	
NF-kappaB_M00208	1.3824e-04	---CCTTTCTCT GGGAYTTTCCN	

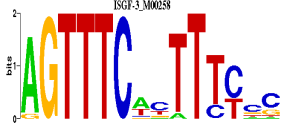

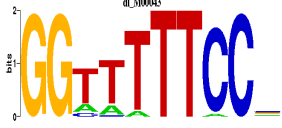


**M54**



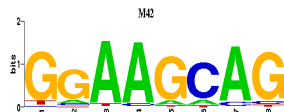
*forward*



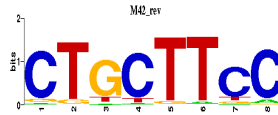
*reverse complement*

Name	E value	Alignment	Motif
ISGF-3_M00258	1.8012e-07	-GGAAAGAG----- GNGAAANWGAAACT	
BPC1_M01126	1.9369e-05	CTCTTTCC --NTTTC-	
dl_M00043	1.6642e-04	-CTCTTTCC- GGTTTTTCCN	
NF-kappaB_M00208	1.8190e-04	-GGAAAGAG-- NGGAAARTCCC	
Nrf-2_M00108	1.9264e-04	-GGAAAGAG CCGGAAGNS	

**M42**



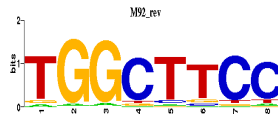
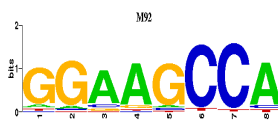
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
c-Ets-1_M00743	1.2339e-06	CTGCTTCC- --GCTTCCK	
GCR1_M00046	1.6998e-06	--GGAAGCAG GWGGAAGC--	
NERF1a_M00531	2.3202e-06	----GGAAGCAG---- RNCAGGAAGYRNSTNNS	
HEN1_M00058	6.9139e-06	-----CTGCTTCC--- NNGGNCGCAGCTGCGNCCNNN	
Tel-2_M00678	5.9535e-05	--GGAAGCAG CAGGAAGTA-	

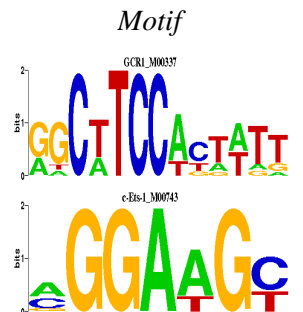
**M92**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
GCR1_M00337	5.5252e-07	-----GGAAGCCA AAWAGTGGAAGCC-	
c-Ets-1_M00743	8.7969e-07	-GGAAGCCA MGGAAAGC--	



Stamp Results

10/01/13

GCR1\_M00046 1.8171e-06

--GGAAGCCA  
GWGGAAGC--



NF-kappaB\_M00051 1.7067e-04

-GGAAGCCA  
GGGRATCCC

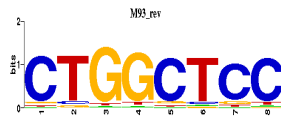
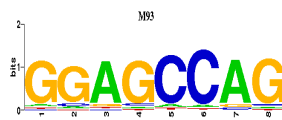


PU.1\_M00658 2.1829e-04

TGGCTTCC--  
---CTTCTC



**M93**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

BRK\_M01096

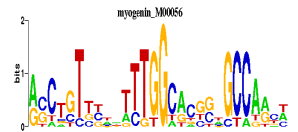
2.0731e-05

CTGGCTCC  
NTGGCG--



myogenin\_M00056 5.7202e-05

-----GGAGCCAG--  
ASCTGTNNNNTTTGGCACNSNGCCARNN



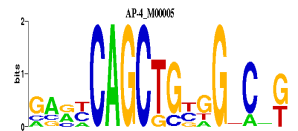
SMAD4\_M00733 1.0752e-04

--CTGGCTCC----  
RGNTGKCTGNMYSN



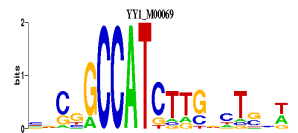
AP-4\_M00005 2.7125e-04

-----CTGGCTCC  
MNGNCNNCAGCTGNNNN-

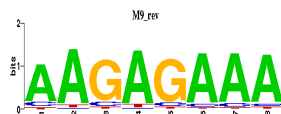
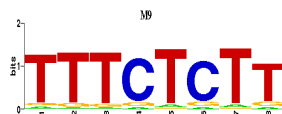



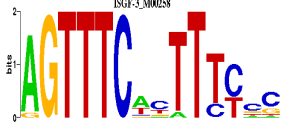



YY1\_M00069 2.9400e-04

-----CTGGCTCC-  
NNCNGCCATCTTGNNTSNW

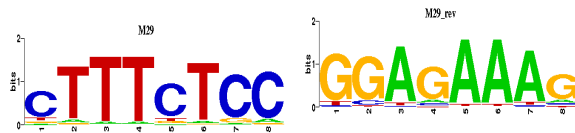




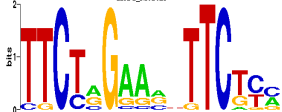
**M9**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
IRF_M00972	1.7759e-08	-TTTCTCTT- NTTTCWNTTT	
ISGF-3_M00258	3.7053e-08	----AAGAGAAA-- GNGAAANWGAAACT	
HSF_M00163	1.5690e-06	-----TTTCTCTT- NTTCTNTTCTNTTC	
HSF_M00164	1.5690e-06	-----TTTCTCTT- AGAANNTTCTNTTC	
Elf-1_M00746	2.3387e-06	-AAGAGAAA-- NAAGAGGAART	

**M29**

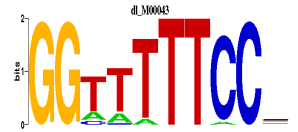


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	5.8464e-06	CTTCTCC CTTCTC-	
BPC1_M01126	1.1895e-05	CTTCTCC NTTTC---	
HSF1_M01023	3.6244e-05	-----CTTCTCC TTCTRGAANNTTCTYM	



dI\_M00043 1.0249e-04

-CTTTCTCC-  
GGTTTTTCN

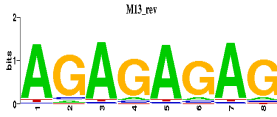
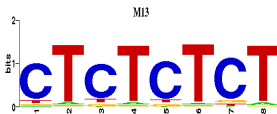


GCR1\_M00046 1.8566e-04

-CTTTCTCC  
GCTTCCWC-



**M13**

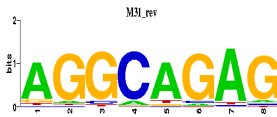
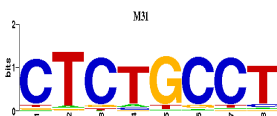


*forward*

*reverse compliment*




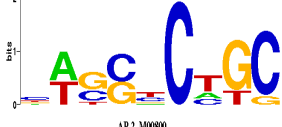

Name	E value	Alignment	Motif
GAGA_M00723	1.3075e-06	-CTCTCTCT- TYNCKCTCWS	
SMAD3_M00701	3.3168e-05	CTCTCTCT GCTGNCT	
Retroviral_M00212	5.9478e-05	-----CTCTCTCT- AATAAANCYYYYNCTN	
TFII-I_M00706	2.9988e-04	-CTCTCTCT CCTMCNTC-	
ARF_M00438	1.2121e-03	AGAGAGAG -GAGACAA	

**M31**

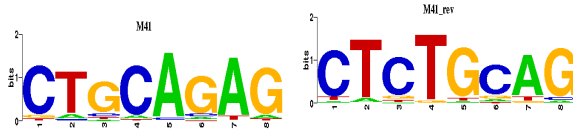


*forward*

*reverse compliment*


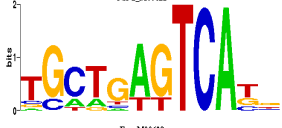


<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Dde_M00304	3.5241e-06	-CTCTGCCT GCTCAGCC-	
SMAD3_M00701	4.7071e-06	AGGCAGAG AGNCAGAC	
Nrf-2_M00108	1.1988e-04	CTCTGCCT- SNCTTCCGG	
Eve_M00629	2.9966e-04	AGGCAGAG--- --GCNGNSSWN	
AP-2_M00800	8.4488e-04	-----AGGCAGAG-- SCSSCRGGCNRNRNN	

**M41**



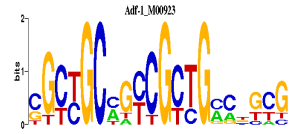
*forward*

*reverse compliment*

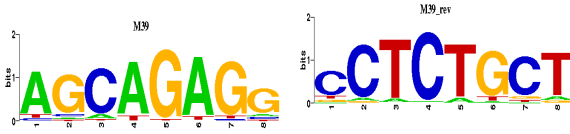
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LMAF_M01139	1.3172e-05	CTGCAGAG CTGCTGAS	
Nrf-2_M00821	1.6206e-04	-----CTCTGCAG NNTGACTCAGCA-	
Eve_M00629	4.5002e-04	CTGCAGAG--- --GCNGNSSWN	
v-Maf_M00035	7.6139e-04	-----CTCTGCAG-- NNTGCTGACNNGCANNN	

Adf-1\_M00923 1.3045e-03

-----CTGCAGAG  
CRMNKKCAGCGRCKGCRGCS



**M39**

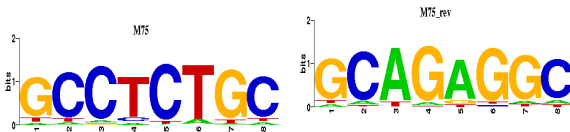


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
TAL1_M00993	9.1839e-06	AGCAGAGG- RNCAGNTGG	
Eve_M00629	6.5488e-05	AGCAGAGG-- -GCNGNSSWN	
COUPTF_M01036	6.6704e-04	-----CCTCTGCT NNNTGACCTTTNNMCNYYNMN	
LMAF_M01139	7.6852e-04	CCTCTGCT--- ---CTGCTGAS	
Dde_M00304	8.9322e-04	AGCAGAGG GGCTGAGC	

**M75**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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Stamp Results

10/01/13

Eve\_M00629 8.5530e-05

GCAGAGGC-  
GCNGNSSWN



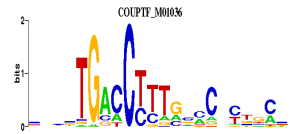
MAF\_M00983 1.1634e-04

--GCCTCTGC  
NTGACTCANC



COUPTF\_M01036 2.6217e-04

-GCAGAGGC-----  
NKNNRNGKNNAAGGTCANNNN



HSF\_M00641 2.9907e-04

---GCCTCTGC-  
GAARCYNCKNGA

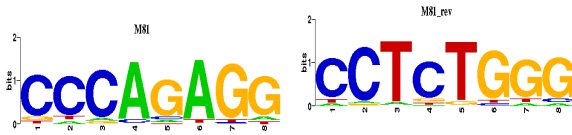


NF-E2\_M00037 4.3070e-04

--GCCTCTGC  
RTGACTCAGC



M81



*forward*

*reverse compliment*

*Name*

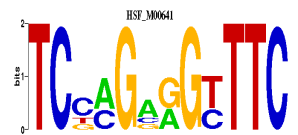
*E value*

*Alignment*

*Motif*

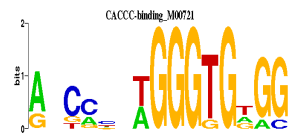
HSF\_M00641 4.2495e-06

----CCTCTGGG  
GAARCYNCKNGA



CACCC-binding\_M00721 8.1697e-05

--CCTCTGGG-----  
ANCMNWNWGGGTGNGG



RP58\_M00532 1.8749e-04

CCCAGAGG---  
TCCAGATGTTN



EBF\_M00977 2.6298e-04

-CCCAGAGG-  
NCYCWRGGGA



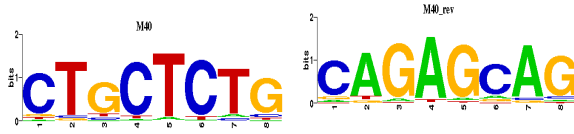
STAT\_M00777

5.2953e-04

---CCCAGAGG---  
TCCNAGAANNNN



**M40**

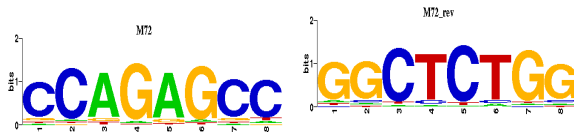


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HSF_M00167	5.2065e-06	---CTGCTCTG--- NTTCNNTTCNNTTC	
Eve_M00629	7.6471e-05	CTGCTCTG- NWSSNCNGC	
XPF-1_M00684	4.7832e-04	-CTGCTCTG GKTSNYCNG	
LMAF_M01139	7.2220e-04	CTGCTCTG CTGCTGAS	
AR_M00962	1.0039e-03	--CTGCTCTG NNNTGCTC--	

**M72**



*forward*

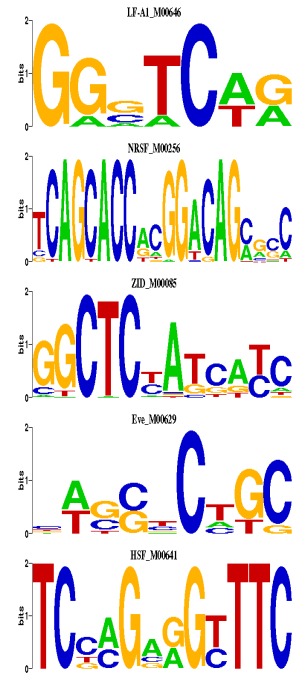
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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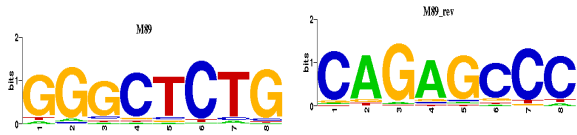
Stamp Results

10/01/13

LF-A1_M00646	2.2510e-05	CCAGAGCC -YWGASCC
NRSF_M00256	3.6070e-04	-----CCAGAGCC TCAGCACCACGGACAGCRSC
ZID_M00085	3.6533e-04	----CCAGAGCC GRTGATRGAGCC
Eve_M00629	5.5712e-04	CCAGAGCC- GCNGNSSWN
HSF_M00641	1.0143e-03	---GGCTCTGG- GAARCYNCKNGA



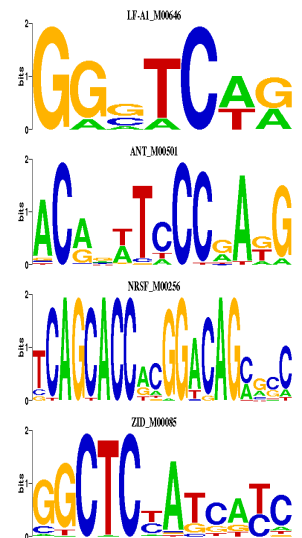
**M89**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
LF-A1_M00646	1.8683e-05	CAGAGCCC YWGASCC-	
ANT_M00501	5.8082e-05	----GGGCTCTG- CMTYGGAWNTGT	
NRSF_M00256	2.6794e-04	-----CAGAGCCC TCAGCACCACGGACAGCRSC-	
ZID_M00085	3.5064e-04	----CAGAGCCC GRTGATRGAGCC-	

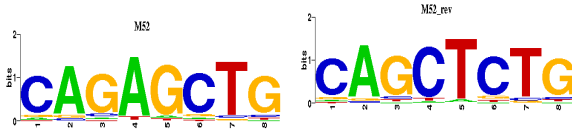


GAGA\_M00723 5.3389e-04

CAGAGCCC--  
SWGAGMGNRA



**M52**

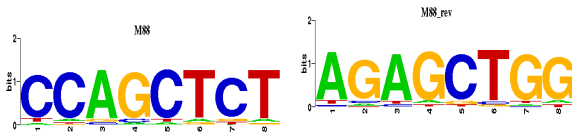


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
Sry-beta_M00666	7.9974e-06	-CAGCTCTG GCATCWCT-	
Eve_M00629	2.2159e-05	-CAGAGCTG GCNGNSSWN	
AP-4_M00005	2.2895e-05	-----CAGAGCTG----- MNGNCNNCAGCTGNNNN	
LBP-1_M00644	4.3608e-05	-CAGCTCTG SCAGCN---	
HEB_M00698	4.9095e-04	CAGCTCTG CAGCWGG-	

**M88**



*forward*

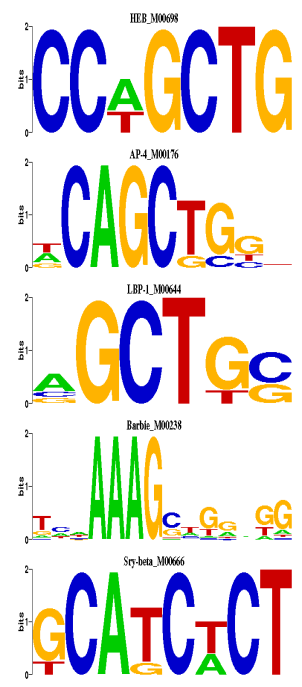
*reverse compliment*

Name	E value	Alignment	Motif
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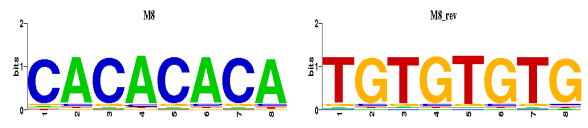
Stamp Results

10/01/13

HEB_M00698	1.1802e-06	CCAGCTCT CCWGCTG-
AP-4_M00176	2.9848e-06	-CCAGCTCT NNCAGCTGN
LBP-1_M00644	6.2505e-06	AGAGCTGG --NGCTGS
Barbie_M00238	8.1614e-06	---AGAGCTGG--- NNNAAAGSNGNNGK
Sry-beta_M00666	1.3979e-05	CCAGCTCT GCATCWCT

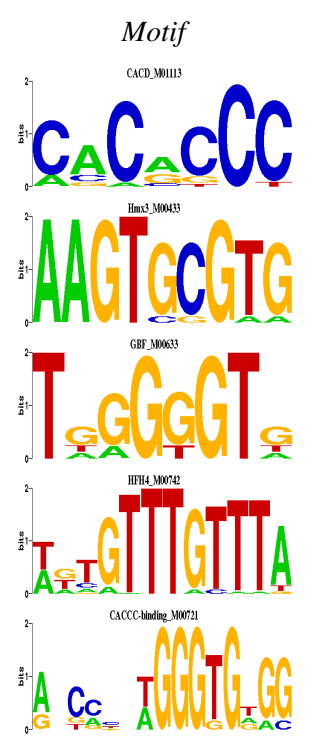


M8

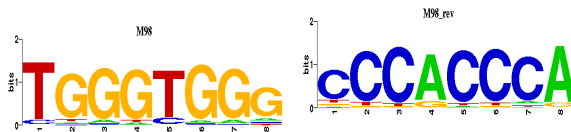


*forward*                      *reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
CACD_M01113	1.2449e-05	CACACACA CACRCCC-
Hmx3_M00433	6.4341e-05	CACACACA- CACGCACTT
GBF_M00633	7.7283e-05	CACACACA NACCCNA
HFH4_M00742	8.2484e-05	TGTGTGTG---- WKTGTTTGTTTA
CACCC-binding_M00721	8.6429e-05	-----TGTGTGTG- ANCMNNWGGGTGNGG





**M98***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CAC-binding_M00720	2.9113e-08	CCCACCCA CCCASCCY	
GLI_M01037	4.5035e-08	--CCCACCCA-- NGACCACCCAN	
NGFI-C_M00244	5.3289e-07	TGGGTGGG--- TGCGTGGGYGG	
Egr-3_M00245	7.2450e-07	TGGGTGGG--- TGCGTGGGCGT	
Egr-1_M00243	7.5841e-07	TGGGTGGG--- TGCGTGGGCGK	

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