



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 :          --GGGGGGGG-----
M1 :          AAAAAAAAA-----
M2 :          ----CCCAGCCC----
M3 :          CACACACA-----
M4 :          ----GGAGGAGG--
M5 :          -CTGGCCAG-----
M6 :          --GAGGGAGG-----
M7 :          ---CCCCAGCC----
M8 :          --AGGGCAGG-----
M9 :          --CCAGCAGG-----
M10 :         -GAGGGCAG-----
M11 :         -----CAGGCAGG-
M12 :         -----AGGGAGGG
M13 :         ---ACACACAC----
M14 :         -CCCAGCAG-----
M15 :         ----GCAGAGGG--
M16 :         ---AGGCAGAG----
M17 :         ---GGGAAGGG----
M18 :         ---CAGCAGAG----
M19 :         --TGGGGAGG-----
M20 :         -----CAGCCCAG-
M21 :         --CTCCCAGG-----
M22 :         ----AGAGAGAG--

```

## Stamp Results

10/01/13

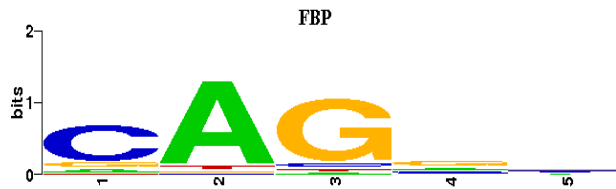
M23: ----AGCAGAGG---  
M24: --GGGAGAGG-----  
M25: -----CCAGGCTG--  
M26: -GCCAGCAG-----  
M27: ---CTGCAGCC----  
M28: -----CCAGAGCC--  
M29: -----CACCCCA-  
M30: --GCCCCAGG-----  
M31: ---CTCCAGCC----  
M32: -----CCAGCCTC--  
M33: --GCAGCAGC-----  
M34: -----AGGAAGGA  
M35: --GAGAGAGA-----  
M36: ----CCCAGGAG---  
M37: -----CAGGCCTG-  
M38: -----CCAGCTCC--  
M39: -----CAGAGCTG-  
M40: ----CCCAGGCT---  
M41: ---CTGCAGGG----  
M42: -CTTCCCAG-----  
M43: --CCTCCAGG-----  
M44: -----CCAGCCAG--  
M45: -----AGGGGGCG  
M46: ----CACAGCAG---  
M47: -GGGGACAG-----  
M48: TTTTAAAA-----  
M49: --GAGCCAGG-----  
M50: ---CCTCAGCC----  
M51: -GGTGGCAG-----  
M52: -AGGGGCAG-----  
M53: ---GGCCAGAG----  
M54: ----CCCAGCTG---  
M55: -----CAGCCTCT-  
M56: ---TGGGAGAG----  
M57: -AGCCACAG-----  
M58: --TCCCAGG-----  
M59: -----CAGAGCCT-  
M60: -----CAGAGAAG-  
M61: -GGAAGCAG-----  
M62: --GGGGAAGG-----  
M63: ---CTCCAGGA----  
M64: --GAGGCAGA-----  
M65: --GAGGCAGC-----

## Stamp Results

10/01/13

```
M66: ---TCCCAGAG----
M67: -----AGGAAAGG
M68: -----CAGGAAGA-
M69: ---CTCCAGAG----
M70: -----GAAGGAAG--
M71: -----CAGGGGAG-
M72: ---CACAGAGA---
M73: -----AGGAGAGA
M74: -----GAGGGGGA-
M75: -----CAGGAAAG-
M76: --AGAGAAGG-----
M77: ---TCCCAGCT----
M78: ---AGAGAGGA----
M79: ---CCCACCCA---
M80: -----AGGGAAGA
M81: -----AGGGAAAG
M82: -----AGAAAGAA
M83: -GAAGCCAG-----
M84: ---CCTCAGCA----
M85: -----ACAGACAG--
M86: -TTCCCCAG-----
M87: -CTGAGCAG-----
M88: -----CAGAGGAA-
M89: ----GAAAGAAA---
M90: -----CCACACCC--
M91: ---TGCCAGGG----
M92: ---CCACAGTG----
M93: -----GGAGAAAG--
M94: -----AAAGGAAA--
M95: ---CTCCAGCT----
M96: -----CAGAAGGG-
M97: -CCTTCCAG-----
M98: -TGGCTCAG-----
```

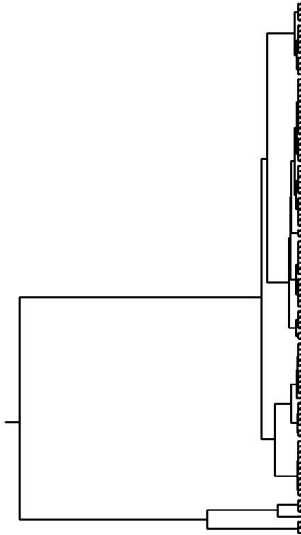
**Familial Profile:**  
**(click for matrix)**

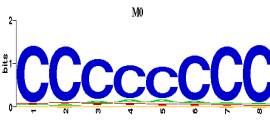

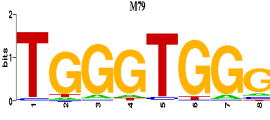

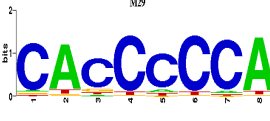

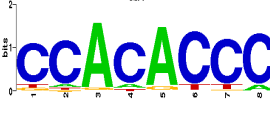

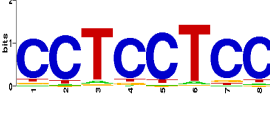

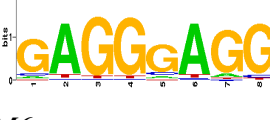

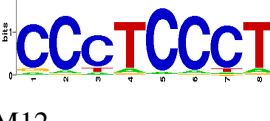

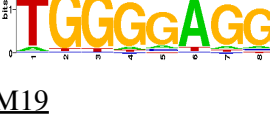



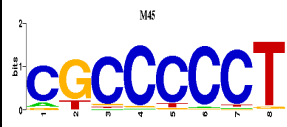

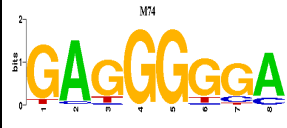

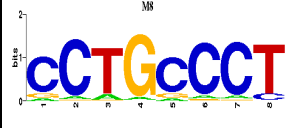

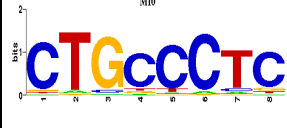

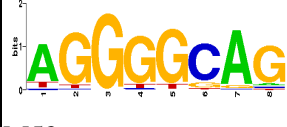

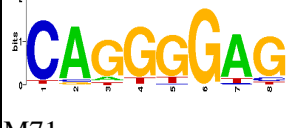





# Motif Tree

Tree (drawn by [Phylip](#))

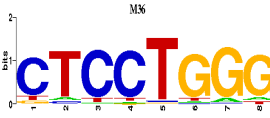




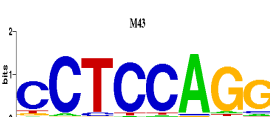



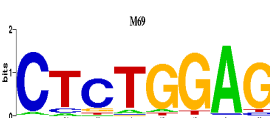



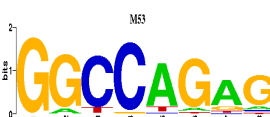

[Click here for Newick-format tree](#) (viewable with [MEGA](#))

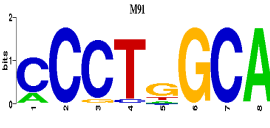
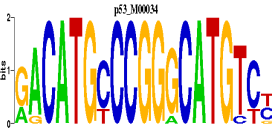
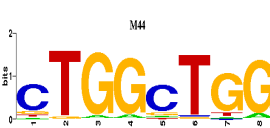



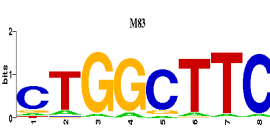

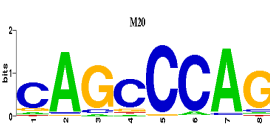

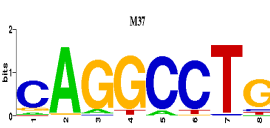

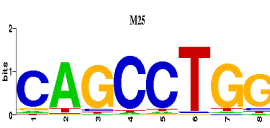
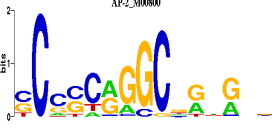
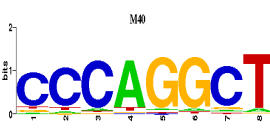



Input Motif	Best match in TRANSFAC
<p>M0</p> 	<p>MAZR_M00491 (E val: 9.2694e-12)</p> 
<p>M79</p> 	<p>CAC-binding_M00720 (E val: 2.5009e-08)</p> 
<p>M29</p> 	<p>GBF_M00633 (E val: 6.8723e-14)</p> 
<p>M90</p> 	<p>CACD_M01113 (E val: 1.7283e-10)</p> 
<p>M4</p> 	<p>UF1H3BETA_M01068 (E val: 2.8276e-06)</p> 
<p>M6</p> 	<p>TFII-I_M00706 (E val: 6.5070e-13)</p> 
<p>M12</p> 	<p>MAZ_M00649 (E val: 2.7858e-11)</p> 
<p>M19</p> 	<p>Sp3_M00665</p> 

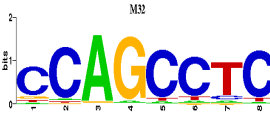

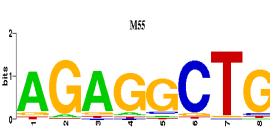

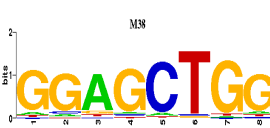

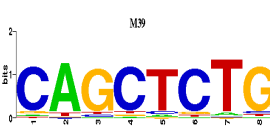

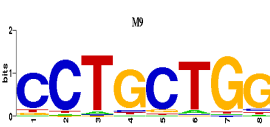

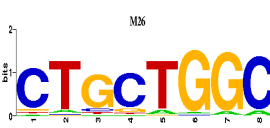

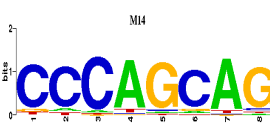

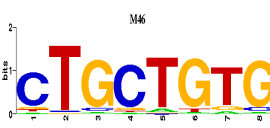

	(E val: 1.4018e-08)
 <p>M45</p>	 <p>KROX_M00982 (E val: 2.1221e-07)</p>
 <p>M74</p>	 <p>MZF1_M00084 (E val: 1.5037e-10)</p>
 <p>M8</p>	 <p>E2A_M00973 (E val: 2.6560e-05)</p>
 <p>M10</p>	 <p>MAF_M00648 (E val: 5.5020e-05)</p>
 <p>M52</p>	 <p>STRE_M00308 (E val: 2.0064e-05)</p>
 <p>M71</p>	 <p>EBF_M00977 (E val: 6.4143e-06)</p>
 <p>M2</p>	 <p>CAC-binding_M00720 (E val: 6.4290e-09)</p>
 <p>M7</p>	 <p>CAC-binding_M00720 (E val: 2.7095e-07)</p>

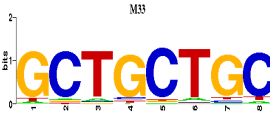
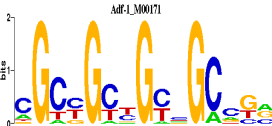
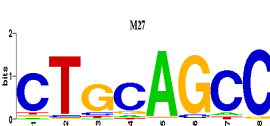
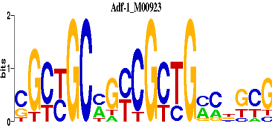
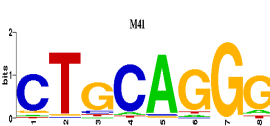

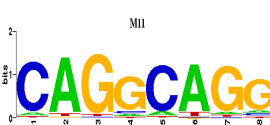

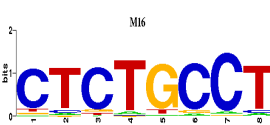

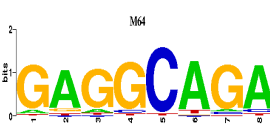

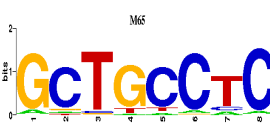

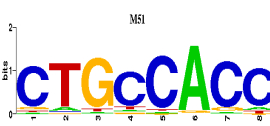

<p>M54</p>	<p>HEB_M00698</p>
<p>M77</p>	<p>LUN-1_M00480</p>
<p>M21</p>	<p>Lyf-1_M00141</p>
<p>M42</p>	<p>Ik-3_M00088</p>
<p>M66</p>	<p>STAT_M00777</p>
<p>M30</p>	<p>AP-2_M00915</p>
<p>M58</p>	<p>Olf-1_M00261</p>
<p>M86</p>	<p>Olf-1_M00261</p>

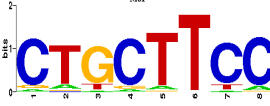









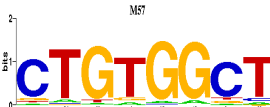
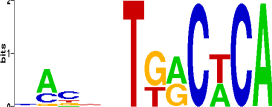


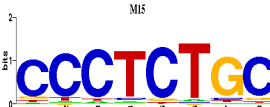

 <p><b>M36</b></p>	<p>Muscle_M00321 (E val: 3.8377e-05)</p>
 <p><b>M31</b></p>	 <p>Barbie_M00238 (E val: 1.7358e-05)</p>
 <p><b>M95</b></p>	 <p>Barbie_M00238 (E val: 1.1949e-08)</p>
 <p><b>M43</b></p>	 <p>Barbie_M00238 (E val: 1.9136e-05)</p>
 <p><b>M63</b></p>	 <p>STAT5B_M00459 (E val: 9.6987e-07)</p>
 <p><b>M69</b></p>	 <p>HSF_M00641 (E val: 5.8498e-06)</p>
 <p><b>M5</b></p>	 <p>BRK_M01096 (E val: 1.9239e-05)</p>
 <p><b>M53</b></p>	 <p>BRK_M01096 (E val: 2.7470e-05)</p>

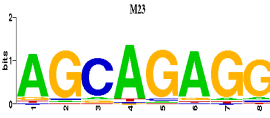





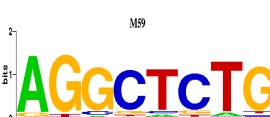

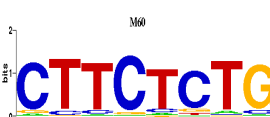







 <p><b>M91</b></p>	 <p><b>p53_M00034</b> (E val: 1.4833e-05)</p>
 <p><b>M44</b></p>	 <p><b>BRK_M01096</b> (E val: 2.1235e-05)</p>
 <p><b>M49</b></p>	 <p><b>BRK_M01096</b> (E val: 2.2915e-05)</p>
 <p><b>M83</b></p>	 <p><b>Grainyhead-Elf-1-NTF-1_M00951</b> (E val: 1.2559e-05)</p>
 <p><b>M20</b></p>	 <p><b>YY1_M00069</b> (E val: 3.1957e-05)</p>
 <p><b>M37</b></p>	 <p><b>ZBRK1_M01105</b> (E val: 5.1461e-04)</p>
 <p><b>M25</b></p>	 <p><b>AP-2_M00800</b> (E val: 5.7677e-05)</p>
 <p><b>M40</b></p>	 <p><b>AP-2_M00915</b> (E val: 6.5686e-07)</p>

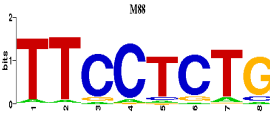

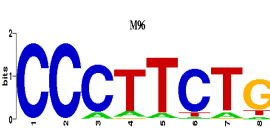

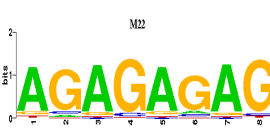

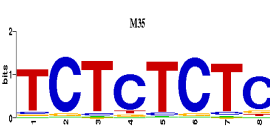

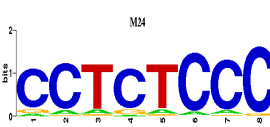

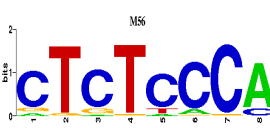

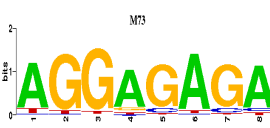

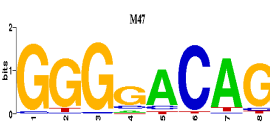
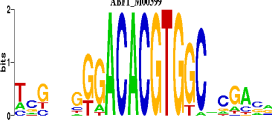


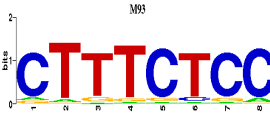

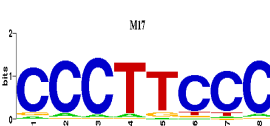

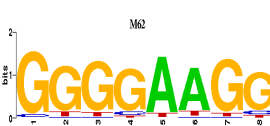

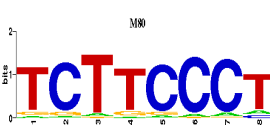

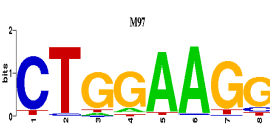

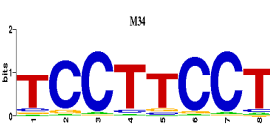

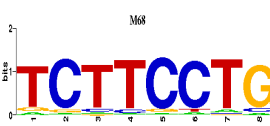

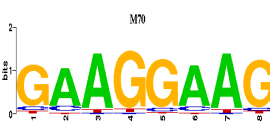

 <p><b>M32</b></p>	 <p><b>CAC-binding_M00720</b> (E val: 8.0908e-07)</p>
 <p><b>M55</b></p>	 <p><b>HSF_M00641</b> (E val: 1.5645e-04)</p>
 <p><b>M38</b></p>	 <p><b>HEB_M00698</b> (E val: 9.5573e-07)</p>
 <p><b>M39</b></p>	 <p><b>Eve_M00629</b> (E val: 7.5930e-06)</p>
 <p><b>M9</b></p>	 <p><b>HEB_M00698</b> (E val: 6.4050e-09)</p>
 <p><b>M26</b></p>	 <p><b>LMAF_M01139</b> (E val: 3.6677e-08)</p>
 <p><b>M14</b></p>	 <p><b>LMAF_M01139</b> (E val: 1.4936e-06)</p>
 <p><b>M46</b></p>	 <p><b>LMAF_M01139</b> (E val: 1.4611e-06)</p>

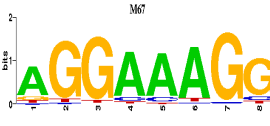

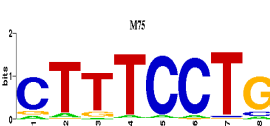

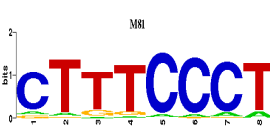

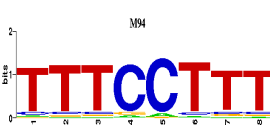
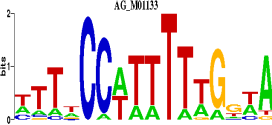
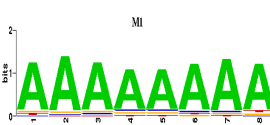

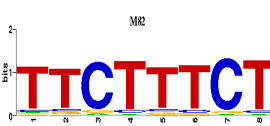

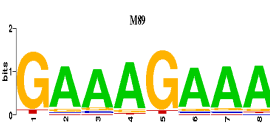

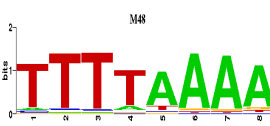
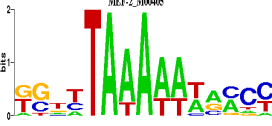
<p>M33</p>  <p>M33</p>	<p>Adf-1_M00171</p>  <p>Adf-1_M00171 (E val: 1.1713e-06)</p>
<p>M27</p>  <p>M27</p>	<p>Adf-1_M00923</p>  <p>Adf-1_M00923 (E val: 1.6006e-06)</p>
<p>M41</p>  <p>M41</p>	<p>Ttk_M00009</p>  <p>Ttk_M00009 (E val: 2.1203e-04)</p>
<p>M11</p>  <p>M11</p>	<p>E2A_M00973</p>  <p>E2A_M00973 (E val: 1.1608e-05)</p>
<p>M16</p>  <p>M16</p>	<p>Dde_M00304</p>  <p>Dde_M00304 (E val: 3.3254e-06)</p>
<p>M64</p>  <p>M64</p>	<p>SMAD3_M00701</p>  <p>SMAD3_M00701 (E val: 4.5632e-06)</p>
<p>M65</p>  <p>M65</p>	<p>GCR1_M00046</p>  <p>GCR1_M00046 (E val: 1.2750e-07)</p>
<p>M51</p>  <p>M51</p>	<p>CG1_M00440</p>  <p>CG1_M00440 (E val: 9.1667e-05)</p>

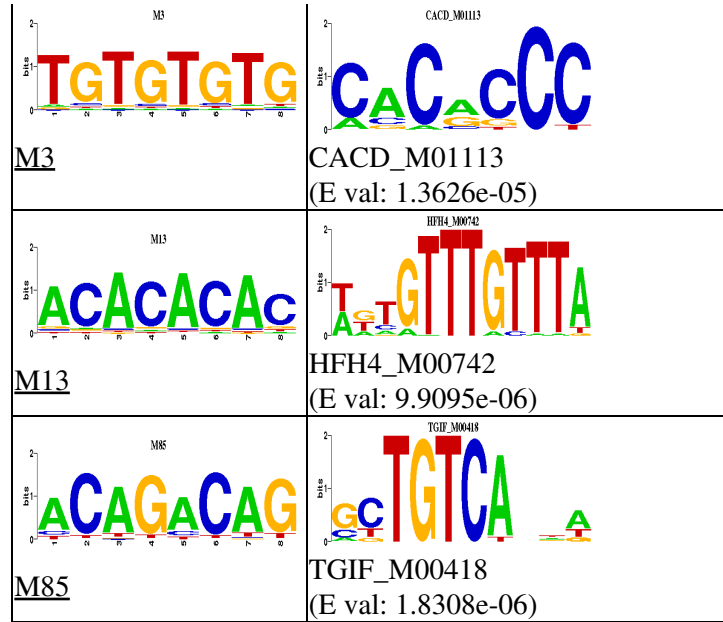
<p>M61</p>  <p>M61</p>	<p>c-Ets-1_M00743</p>  <p>c-Ets-1_M00743 (E val: 1.0700e-06)</p>
<p>M50</p>  <p>M50</p>	<p>Dde_M00304</p>  <p>Dde_M00304 (E val: 1.1764e-09)</p>
<p>M84</p>  <p>M84</p>	<p>Nrf-2_M00821</p>  <p>Nrf-2_M00821 (E val: 1.6629e-07)</p>
<p>M87</p>  <p>M87</p>	<p>Dde_M00304</p>  <p>Dde_M00304 (E val: 2.2058e-06)</p>
<p>M98</p>  <p>M98</p>	<p>NF-E2_M00037</p>  <p>NF-E2_M00037 (E val: 3.5695e-07)</p>
<p>M57</p>  <p>M57</p>	<p>Zta_M00711</p>  <p>Zta_M00711 (E val: 1.7162e-05)</p>
<p>M92</p>  <p>M92</p>	<p>ER_M00191</p>  <p>ER_M00191 (E val: 7.7365e-06)</p>
<p>M15</p>  <p>M15</p>	<p>TAL1_M00993</p>  <p>TAL1_M00993 (E val: 1.3958e-06)</p>

 <p><b>M23</b></p>	 <p><b>TAL1_M00993</b> (E val: 5.5303e-06)</p>
 <p><b>M18</b></p>	 <p><b>LMAF_M01139</b> (E val: 1.4647e-06)</p>
 <p><b>M28</b></p>	 <p><b>LF-A1_M00646</b> (E val: 1.3741e-05)</p>
 <p><b>M59</b></p>	 <p><b>LF-A1_M00646</b> (E val: 1.5300e-05)</p>
 <p><b>M60</b></p>	 <p><b>GATA-2_M00349</b> (E val: 2.3150e-05)</p>
 <p><b>M76</b></p>	 <p><b>Sry-beta_M00666</b> (E val: 2.3930e-05)</p>
 <p><b>M72</b></p>	 <p><b>SEF-1_M00214</b> (E val: 1.6210e-05)</p>
 <p><b>M78</b></p>	 <p><b>Pax-1_M00326</b> (E val: 5.8300e-06)</p>

 <p><b>M8</b></p>	 <p><b>Elf-1_M00746</b> (E val: 3.2837e-08)</p>
 <p><b>M96</b></p>	 <p><b>HEB_M00698</b> (E val: 1.3298e-04)</p>
 <p><b>M22</b></p>	 <p><b>GAGA_M00723</b> (E val: 4.9258e-06)</p>
 <p><b>M35</b></p>	 <p><b>GAGA_M00723</b> (E val: 1.4536e-06)</p>
 <p><b>M24</b></p>	 <p><b>MAZ_M00649</b> (E val: 1.3557e-06)</p>
 <p><b>M56</b></p>	 <p><b>Lyf-1_M00141</b> (E val: 5.6336e-08)</p>
 <p><b>M73</b></p>	 <p><b>TBX5_M01044</b> (E val: 2.2047e-04)</p>
 <p><b>M47</b></p>	 <p><b>ABF1_M00399</b> (E val: 4.6243e-06)</p>

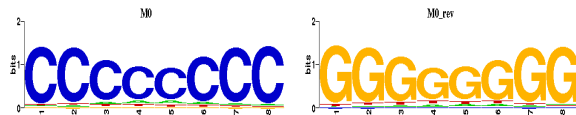
<p>M93</p> 	<p>PU.1_M00658 (E val: 7.2577e-06)</p> 
<p>M17</p> 	<p>UF1H3BETA_M01068 (E val: 4.7925e-07)</p> 
<p>M62</p> 	<p>UF1H3BETA_M01068 (E val: 4.4345e-07)</p> 
<p>M80</p> 	<p>MAF_M00648 (E val: 5.1574e-06)</p> 
<p>M97</p> 	<p>GCR1_M00046 (E val: 2.8760e-05)</p> 
<p>M34</p> 	<p>Tel-2_M00678 (E val: 6.5012e-08)</p> 
<p>M68</p> 	<p>Tel-2_M00678 (E val: 3.2617e-09)</p> 
<p>M70</p> 	<p>MAF_M00648 (E val: 2.9226e-07)</p> 

 <p><b>M67</b></p>	 <p><b>PBF_M01130</b> (E val: 2.1547e-06)</p>
 <p><b>M75</b></p>	 <p><b>STAT5B_M00459</b> (E val: 2.4899e-06)</p>
 <p><b>M81</b></p>	 <p><b>BLIMP1_M01066</b> (E val: 2.2618e-10)</p>
 <p><b>M94</b></p>	 <p><b>AG_M01133</b> (E val: 6.7116e-08)</p>
 <p><b>M1</b></p>	 <p><b>Hb_M00022</b> (E val: 1.1230e-06)</p>
 <p><b>M82</b></p>	 <p><b>STE11_M01005</b> (E val: 2.3775e-07)</p>
 <p><b>M89</b></p>	 <p><b>STE11_M01005</b> (E val: 2.2965e-08)</p>
 <p><b>M48</b></p>	 <p><b>MEF-2_M00405</b> (E val: 2.5660e-06)</p>



### Motif Similarity Matches

**M0**



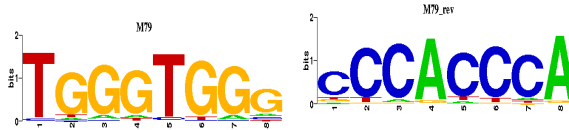
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MAZR_M00491	9.2694e-12	---CCCCCCC- NNKCCCCCCCCS	GGGGGGGG
ZNF219_M01122	2.1444e-10	--GGGGGGGG- GGNGGGGGGN	CCCCCc ccc
Sp1_M00931	2.7049e-07	-CCCCCCCC NCCCCGCC	GGG C GG GG
Sp1_M00933	6.2159e-07	-GGGGGGGG NGGGGMGG	cCc CCc
Sp3_M00665	7.6147e-07	CCCCCCC----- CCCYSCCCAAGKS	C GG GG



**M79**

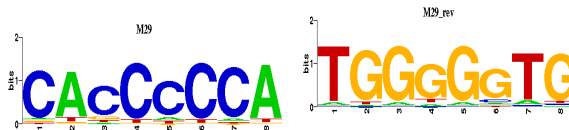


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
CAC-binding_M00720	2.5009e-08	CCCACCCA CCCASCCY	
GLI_M01037	3.6397e-08	--CCCACCCA-- NGACCACCCAN	
NGFI-C_M00244	6.6025e-07	---CCCACCCA CCRCCCACGCA	
CACCC-binding_M00721	7.6440e-07	-CCCACCCA----- CCNCACCCWNNKGNT	
Egr-1_M00243	9.7915e-07	---CCCACCCA MCGCCCACGCA	

**M29**



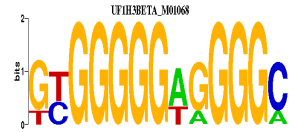
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
GBF_M00633	6.8723e-14	CACCCCA NACCCNA	

UF1H3BETA\_M01068 1.7054e-07

----CACCCCCA-  
GCCCCCTCCCCRC



Egr\_M00807 2.5600e-06

--CACCCCCA  
NYYGCSCCCA



CACD\_M01113 7.3474e-06

TGGGGGTG  
-GGYGTTG

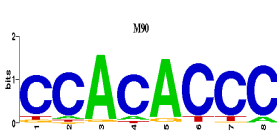


Alfin1\_M00479 1.0656e-05

-----TGGGGGTG  
NRNRNGTGGGGNNK



**M90**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

CACD\_M01113

1.7283e-10

GGGTGTGG  
GGYGTTG-



CACCC-binding\_M00721 1.9038e-09

CCACACCC-----  
CCNCACCCWNNKGNT



TBX5\_M01044

5.5174e-06

CCACACCC-  
TCACACCTT



GBF\_M00633

6.9398e-06

CCACACCC-  
-NACCCNA



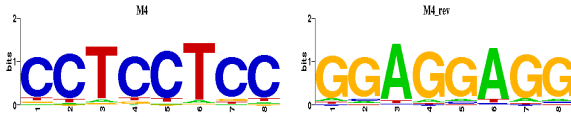
Alfin1\_M00479

1.1618e-05

---CCACACCC---  
MNNCCCCACNYNYN



**M4**

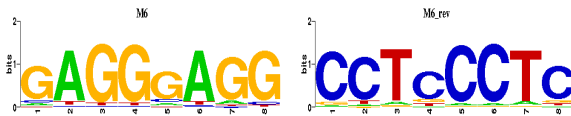


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
UF1H3BETA_M01068	2.8276e-06	---CCTCCTCC-- GCCCCTCCCCRC	
PU.1_M00658	3.7804e-06	CCTCCTCC CTTCCTC-	
ZNF219_M01122	2.4268e-05	--GGAGGAGG-- GGGNGGGGGGN	
ROM_M00700	5.6288e-05	GGAGGAGG TGASGTGG	
Nrf-2_M00108	1.4600e-04	--GGAGGAGG CCGGAAGNS-	

**M6**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
TFII-I_M00706	6.5070e-13	CCTCCCTC CCTMCNTC	
MAZ_M00649	2.3253e-07	-CCTCCCTC CCCTCCC--	

Tra-1\_M01048 2.4483e-06

-CCTCCCTC  
ACCWCCC--



UF1H3BETA\_M01068 3.1842e-06

--GAGGGAGG---  
GYGGGGGAGGGGC

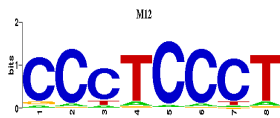


PU.1\_M00658 5.6247e-06

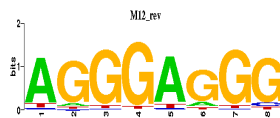
GAGGGAGG  
GAGGAAG-



**M12**



*forward*

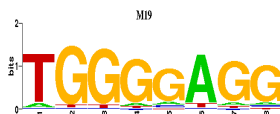


*reverse compliment*

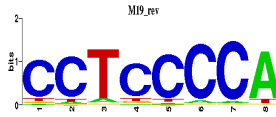
Name	E value	Alignment	Motif
MAZ_M00649	2.7858e-11	CCCTCCCT CCCTCCC-	GGGAGGG
TFII-I_M00706	7.7772e-09	CCCTCCCT- -CCTMCNTC	GAGGGAGG
CAC-binding_M00720	3.2557e-08	CCCTCCCT CCCASCCY	AGGGGTGGG
UF1H3BETA_M01068	1.8172e-07	---AGGGAGGG-- GYGGGGGAGGGGC	GTTGGGGAGGGC
Tra-1_M01048	1.9108e-06	CCCTCCCT ACCWCCC-	GGGGT



**M19**

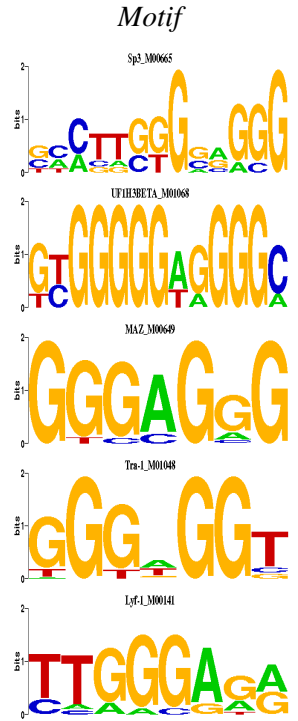


*forward*

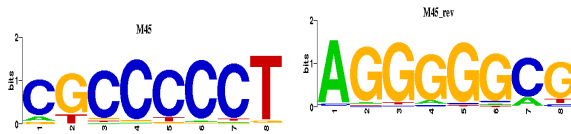


*reverse compliment*

Name	E value	Alignment
Sp3_M00665	1.4018e-08	-CCTCCCCA---- CCCYSCCCAAGKS
UF1H3BETA_M01068	1.9334e-07	--TGGGGAGG--- GYGGGGGAGGGC
MAZ_M00649	2.2661e-07	TGGGGAGG- --GGGAGGG
Tra-1_M01048	2.0037e-06	-CCTCCCCA ACCWCCC--
Lyf-1_M00141	3.0416e-06	TGGGGAGG TTGGGAGR



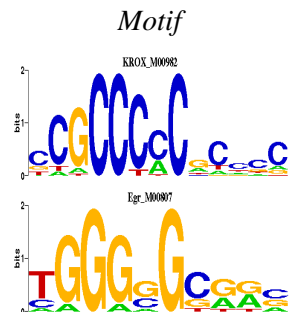
**M45**



*forward*

*reverse compliment*

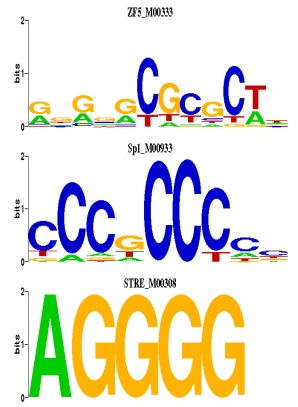
Name	E value	Alignment
KROX_M00982	2.1221e-07	----AGGGGGCG- GNNGNGGGGGCG
Egr_M00807	5.3205e-07	--CGCCCCCT NYYGCSCCA



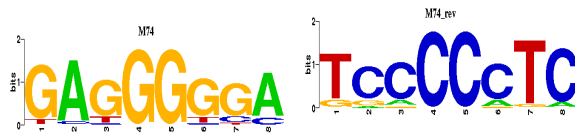
Stamp Results

10/01/13

ZF5_M00333	2.9371e-06	-----CGCCCCCT NWGCGCGYNINY-
Sp1_M00933	7.5552e-06	AGGGGGCG-- -NGGGGMGGG
STRE_M00308	1.8136e-05	CGCCCCCT --NCCCCT



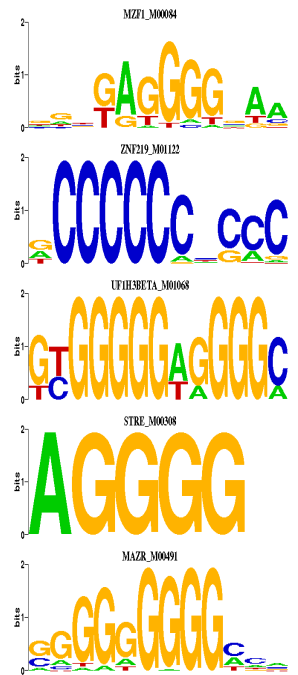
M74



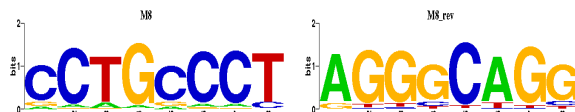
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MZF1_M00084	1.5037e-10	-TCCCCCTC--- TTNCCCCTCENN	
ZNF219_M01122	2.3340e-06	--GAGGGGGA- GGGNGGGGGGN	
UF1H3BETA_M01068	1.9180e-05	-----TCCCCCTC GCCCTCCCCRC	
STRE_M00308	2.0724e-05	TCCCCCTC -NCCCCT-	
MAZR_M00491	4.4971e-05	--GAGGGGGA-- SGGGGGGGGMNN	

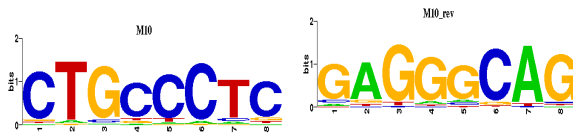


M8



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
E2A_M00973	2.6560e-05	AGGGCAGG-- --RNCAGNT	
HNF4_M01033	4.9788e-05	AGGGCAGG -GNNCA--	
E47_M00002	5.1835e-05	-----CCTGCCCT NNNNACACCTGCNS-	
Sp1_M00931	9.7959e-05	--CCTGCCCT NCCCCGCC--	
Sp1_M00933	1.2896e-04	-AGGGCAGG NNGGGMGGG	

**M10**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAF_M00648	5.5020e-05	-----CTGCCCTC- NSNMMACTTCCYYCN	
HNF4_M01033	9.9518e-05	CTGCCCTC -TGNNC--	
GAL4_M00049	1.4117e-04	-----GAGGGCAG----- STTCGGASNANWGTNNNCCGNN	

GAL4\_M00198 1.8590e-04

-----GAGGGCAG-----  
 NGYTTCGGNNNANAGNNNNCCG

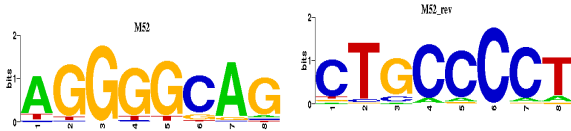


MAZ\_M00649 2.2296e-04

CTGCCCTC--  
 ---CCCTCCC



**M52**



*forward*

*reverse compliment*

*Name E value Alignment Motif*

STRE\_M00308 2.0064e-05

CTGCCCT  
 --NCCCCT



MZF1\_M00084 4.7967e-05

CTGCCCT----  
 TTNCCCCTCNNN



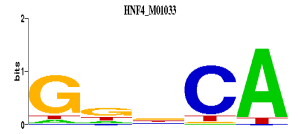
SMAD4\_M00733 5.0922e-05

-----CTGCCCT  
 RGNTGKCTGNMYSN



HNF4\_M01033 7.8050e-05

AGGGGCAG  
 --GNNCA-

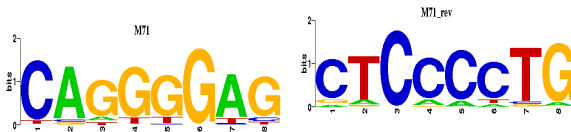


Sp1\_M00933 9.6141e-05

AGGGGCAG-  
 NGGGGMGGG



**M71**



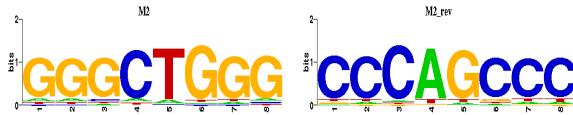
*forward*

*reverse compliment*



<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
EBF_M00977	6.4143e-06	CTCCCCTG--- -TCCCYWGRGN	
STRE_M00308	2.0709e-05	CTCCCCTG -NCCCCT-	
UF1H3BETA_M01068	6.5093e-05	----CTCCCCTG- GCCCTCCCCRC	
STRE_M00154	1.9089e-04	CTCCCCTG -NCCCCTN	
MZF1_M00083	1.9495e-04	CTCCCCTG -TCCCNN	

**M2**



*forward*

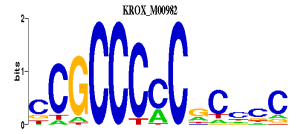
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CAC-binding_M00720	6.4290e-09	CCCAGCCC CCCASCCY	
Sp1_M00931	6.3534e-08	GGGCTGGG- GGGCGGGN	
Sp1_M00932	1.1094e-06	--CCCAGCCC-- NNCCCCGCCNN	
Sp1_M00196	1.2645e-06	--GGGCTGGG-- NGGGCGGGNN	

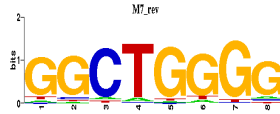
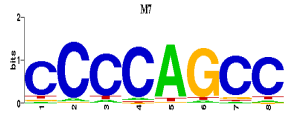
KROX\_M00982

4.4635e-06

----CCCAGCCC--  
CCGCCCCNCNNC



**M7**

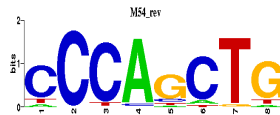
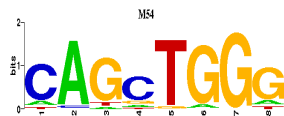


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
CAC-binding_M00720	2.7095e-07	-GGCTGGGG RGGSTGGG-	
AP-2_M00915	3.3186e-06	-GGCTGGGG--- NGCCNGNGGNNN	
KROX_M00982	3.9261e-06	--GGCTGGGG--- GNNGNGGGGGCGG	
Dde_M00304	1.8366e-05	CCCCAGCC GCTCAGCC	
Sp1_M00008	4.9152e-05	CCCCAGCC- WCCCYGCCY	

**M54**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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Stamp Results

10/01/13

HEB\_M00698 1.5913e-10

CAGCTGGG  
CAGCWGG-



AP-4\_M00176 7.4545e-09

CCCAGCTG-  
NNCAGCTGN



TAL1\_M00993 9.4776e-08

--CAGCTGGG  
RNCAGNTGG-



HEN1\_M00068 1.3826e-07

-----CCCAGCTG-----  
NNGGNCNCAGCTGNGNCCNNN

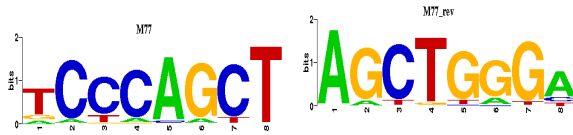


LUN-1\_M00480 2.8531e-07

-----CAGCTGGG  
TCCCAAAGTAGCTGGG



M77



*forward*

*reverse compliment*

Name E value

Alignment

Motif

LUN-1\_M00480 3.3388e-07

-----AGCTGGGA  
TCCCAAAGTAGCTGGG-



HEB\_M00698 1.1772e-06

-AGCTGGGA  
CAGCWGG--



LBP-1\_M00644 5.1421e-06

TCCCAGCT  
--SCAGCN



HEN1\_M00068 1.8051e-05

----TCCCAGCT-----  
NNGGNCNCAGCTGNGNCCNNN



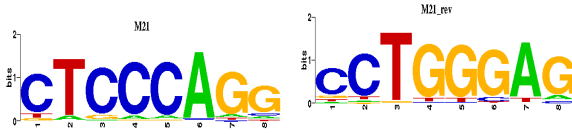
AP-4\_M00176

2.1704e-05

--AGCTGGGA  
NCAGCTGNN-



**M21**

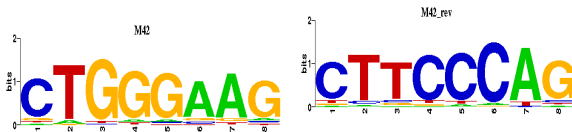


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
Lyf-1_M00141	2.1485e-06	-CTCCCAGG YCTCCCAA-	
RBP-Jkappa_M01111	4.0465e-05	CCTGGGAG NGTGGGA-	
EBF_M00977	4.9940e-05	CTCCCAGG--- -NCYCWRGGGA	
RBP-Jkappa_M01112	1.8519e-04	-CTCCCAGG- KTTCCCACGN	
MAZ_M00649	2.0805e-04	--CTCCCAGG CCCTCCC---	

**M42**






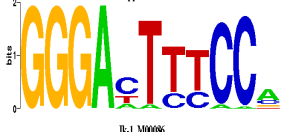

*forward*

*reverse compliment*

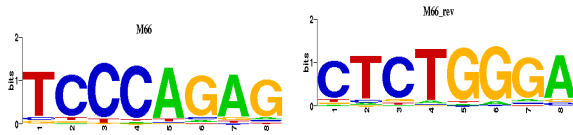
Name	E value	Alignment	Motif
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Stamp Results

10/01/13




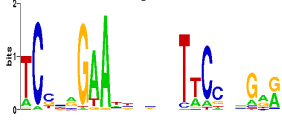
Ik-3_M00088	7.5244e-07	---CTTCCCAG-- GGTATTCCCNRN	
RBP-Jkappa_M01112	1.3897e-05	CTTCCCAG-- KTTCCCACGN	
Lyf-1_M00141	2.3342e-05	CTTCCCAG YCTCCCAA	
NF-kappaB_M00208	3.3576e-05	CTGGGAAG---- -NGGAAARTCCC	
Ik-1_M00086	7.4432e-05	---CTTCCCAG-- NNNATTCCCANN	

**M66**



*forward*

*reverse compliment*

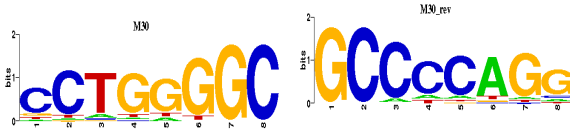
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STAT_M00777	1.1316e-06	TCCAGAG---- TCCNAGAANNNN	
LUN-1_M00480	2.9822e-06	TCCAGAG----- TCCCAAAGTAGCTGGG	
STATx_M00223	1.0621e-05	CTCTGGGA TTMYGGGA	
STAT5A_M00460	3.6616e-05	-----CTCTGGGA YNCNNGGAANNNNNTTCNNGA	

RBP-Jkappa\_M01111 1.7328e-04

CTCTGGGA  
-NGTGGGA



**M30**

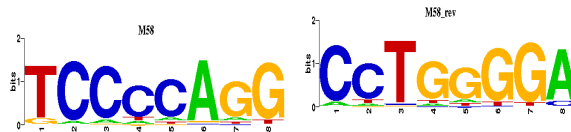


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
AP-2_M00915	7.9507e-07	--CCTGGGGC-- NGCCNGNGGNNN	
AP-2alphaA_M01045	8.5774e-06	--GCCCCAGG---- NNGCCTNAGGSNNN	
AP-2alphaA_M01047	9.3192e-06	----CCTGGGGC-- ANMGCCTNAGGCKN	
AP-2_M00800	1.7835e-05	-----CCTGGGGC NNYNYNGCCYGSSGS	
AP-2gamma_M00470	2.8642e-05	GCCCCAGG SCCNNGG	

**M58**



*forward*

*reverse compliment*

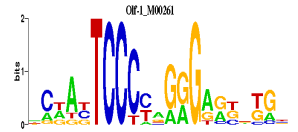
Name	E value	Alignment	Motif
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Stamp Results

10/01/13

Olf-1\_M00261 2.5281e-08

-----CCTGGGGA-----  
NCMNNYTCCCNRRGGGANTNGN



AP-2\_M00915 6.1959e-07

--CCTGGGGA--  
NGCCNGNGGNNN



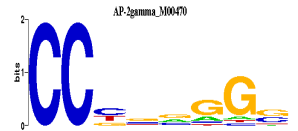
EBF\_M00977 1.0933e-06

--CCTGGGGA  
NCYCWRGGGA



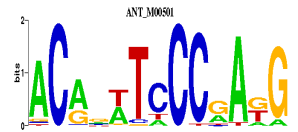
AP-2gamma\_M00470 1.9356e-05

CCTGGGGA  
CCNNGGS

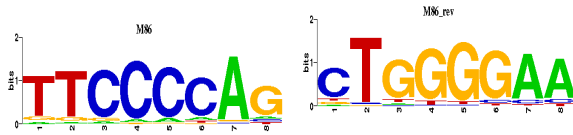


ANT\_M00501 6.4499e-05

-----TCCCCAGG  
ACANWTCCCRAGK



**M86**



*forward*

*reverse compliment*

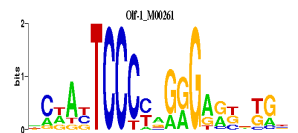
*Name E value*

*Alignment*

*Motif*

Olf-1\_M00261 5.3760e-07

-----CTGGGGAA-----  
NCMNNYTCCCNRRGGGANTNGN



XPF-1\_M00684 9.1967e-06

-TCCCCAG  
GKTSNYCNG



SREBP-1\_M00749 9.5757e-05

CTGGGGAA  
-TGSGT-



MZF1\_M00084 1.0978e-04

TTCCCCAG-----  
TTNCCCCTCNNN



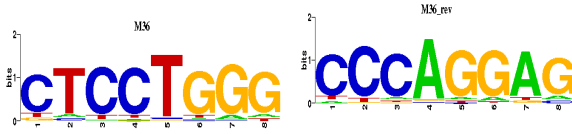
Ik-1\_M00086

1.1818e-04

----TTCCCCAG  
NNNATTCCCANN



**M36**



*forward*

*reverse compliment*

*Name E value Alignment Motif*

Muscle\_M00321 3.8377e-05 -----CCCAGGAG--  
NNNNNNNNCACNCMNSNGNN

EBF\_M00977 1.3403e-04

-CCCAGGAG-  
NCYCWRGGGA



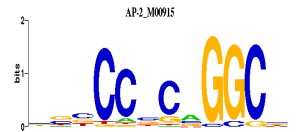
Ttk\_M00009 1.4303e-04

CTCCTGGG  
GTCCCTGC-



AP-2\_M00915 2.2329e-04

CTCCTGGG----  
NGCCNGNGGNNN

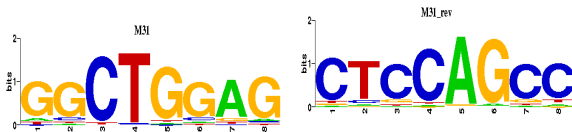


STAT5B\_M00459 3.6737e-04

--CTCCTGGG----  
NWTTCNNGGAANYN



**M31**



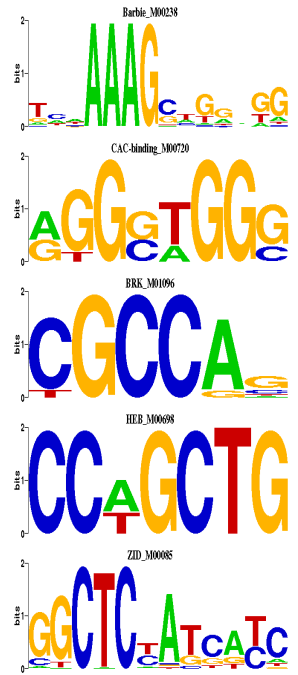
*forward*

*reverse compliment*

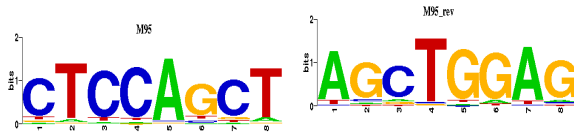
*Name E value Alignment Motif*



Barbie_M00238	1.7358e-05	-CTCCAGCC----- CMNNCNSCTTTNNN
CAC-binding_M00720	1.2467e-04	-GGCTGGAG RGGSTGGG-
BRK_M01096	2.8533e-04	GGCTGGAG --NTGGCG
HEB_M00698	6.1289e-04	-GGCTGGAG CAGCWGG--
ZID_M00085	8.7722e-04	--GGCTGGAG-- GRTGATRGAGCC



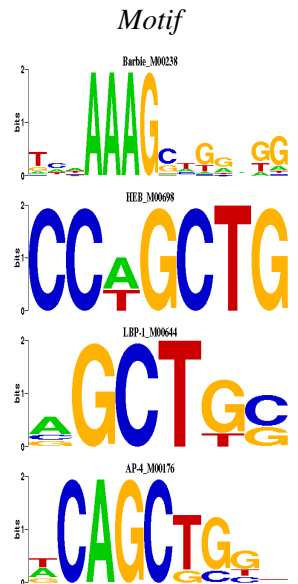
**M95**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Barbie_M00238	1.1949e-08	-CTCCAGCT----- CMNNCNSCTTTNNN
HEB_M00698	9.8191e-07	-AGCTGGAG CAGCWGG--
LBP-1_M00644	6.1921e-06	AGCTGGAG NGCTGS--
AP-4_M00176	1.4554e-05	CTCCAGCT-- -NNCAGCTGN

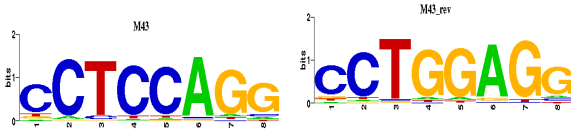


TAL1\_M00993 8.2013e-05

---AGCTGGAG  
RNCAGNTGG--



**M43**



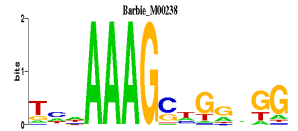
*forward*

*reverse compliment*

*Name E value Alignment Motif*

Barbie\_M00238 1.9136e-05

CCTCCAGG-----  
CMNNCNSCTTTNNN



ZAP1\_M00754 5.0214e-05

-CCTGGAGG-  
ACCTTKAGGG



Pax-6\_M00979 8.8465e-05

--CCTCCAGG---  
KAGTTCAGGTCA



BRK\_M01096 2.2435e-04

CCTGGAGG  
-NTGGCG-

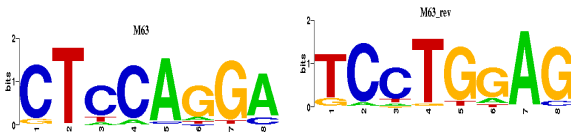


MAZ\_M00649 2.2464e-04

-CCTCCAGG  
CCCTCCC--



**M63**



*forward*

*reverse compliment*

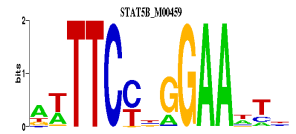
*Name E value Alignment Motif*

Stamp Results

10/01/13

STAT5B\_M00459 9.6987e-07

---CTCCAGGA---  
NRNTTCCNGGAAWN



STAT5A\_M00457 2.8698e-05

----TCCTGGAG--  
NRNTTCCNRGAANY



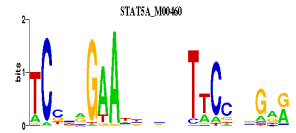
STATx\_M00223 5.1853e-05

CTCCAGGA  
T TMYGGGA



STAT5A\_M00460 7.6777e-05

CTCCAGGA-----  
YNCNNGGAANNNNNNNTTCNNNGA

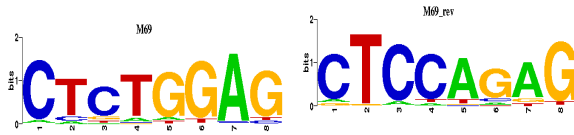


Pax-6\_M00979 1.0623e-04

---CTCCAGGA--  
KAGTTCAGGTCA



M69



*forward*

*reverse compliment*

*Name* *E value*

*Alignment*

*Motif*

HSF\_M00641 5.8498e-06

CTCCAGAG-----  
-TCNMGNRGYTTC



RP58\_M00532 5.8155e-05

CTCCAGAG-----  
-TCCAGATGTTN



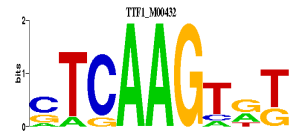
BRK\_M01096 1.9200e-04

CTCTGGAG  
--NTGGCG



TTF1\_M00432 8.8187e-04

CTCCAGAG-  
STCAAGTRT

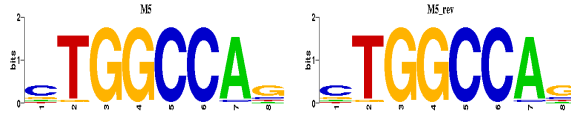


Pax-1\_M00326 1.2096e-03

-----CTCCAGAG--  
CGTTCCGCTCTAGATAT



**M5**

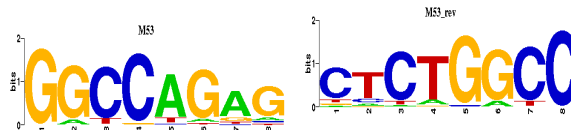


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
BRK_M01096	1.9239e-05	CTGGCCAG NTGGCG--	
SRF_M00215	5.2138e-04	CTGGCCAG----- NWNCCATATAWGG	
NF-muE1_M00651	9.4145e-04	--CTGGCCAG AGATGGCC--	
HNF4_M01033	1.3088e-03	CTGGCCAG -TGNNC--	
ABF1_M00400	3.9332e-03	----CTGGCCAG----- NNCNNYNNCCACGTGGCCNCGACA	

**M53**



*forward*

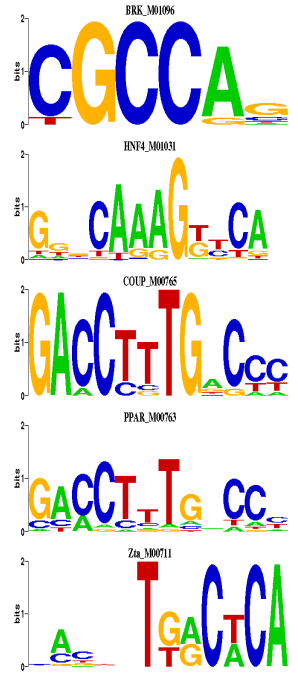
*reverse compliment*

Name	E value	Alignment	Motif
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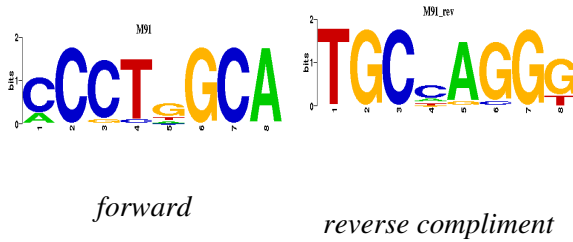
Stamp Results

10/01/13

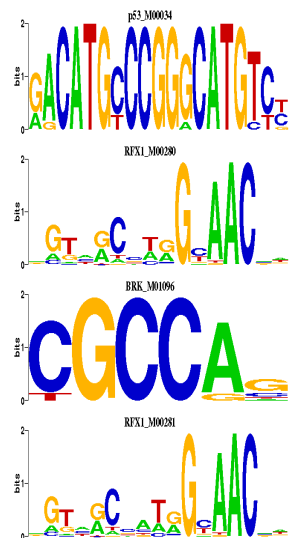
BRK_M01096	2.7470e-05	CTCTGGCC --NTGGCG
HNF4_M01031	6.4083e-05	GGCCAGAG----- GNNCAAAGKYCAN
COUP_M00765	2.3012e-04	-GGCCAGAG--- GGNCAAAGGTC
PPAR_M00763	2.3279e-04	-GGCCAGAG--- NGNCAAAGGTC
Zta_M00711	5.2815e-04	--GGCCAGAG-- TGWGYCANNNTN



M91



Name	E value	Alignment	Motif
p53_M00034	1.4833e-05	-----CCCTGGCA----- RGACATGCCCGGGCATGTC	p53_M00034
RFX1_M00280	1.7909e-05	----CCCTGGCA---- NGTNRCNWRGYAACNN	RFX1_M00280
BRK_M01096	2.2112e-05	CCCTGGCA --NTGGCG	BRK_M01096
RFX1_M00281	4.9919e-05	----TGCCAGGG----- NNGTTTCYANNNGYNACN	RFX1_M00281



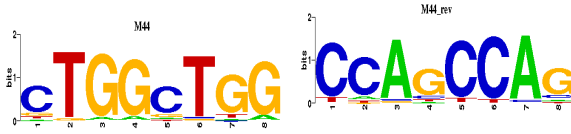
CG1\_M00440

4.1529e-04

TGCCAGGG--  
TGNCACGTGN



**M44**



*forward*

*reverse compliment*

*Name E value Alignment Motif*

BRK\_M01096

2.1235e-05

CTGGCTGG  
NTGGCG--



GLI\_M01037

2.4199e-05

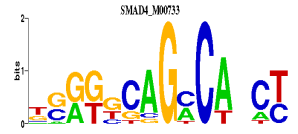
---CCAGCCAG  
NGACCACCCAN



SMAD4\_M00733

2.9006e-05

----CCAGCCAG--  
NSRKNCAGMCANCY



CAC-binding\_M00720 8.8764e-05

-CCAGCCAG  
CCCASCCY-



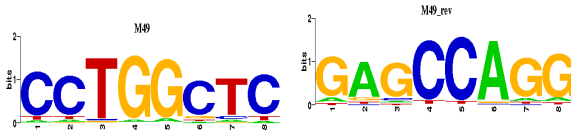
HEB\_M00698

6.7748e-04

CTGGCTGG  
-CAGCWGG



**M49**



*forward*

*reverse compliment*

*Name E value Alignment Motif*

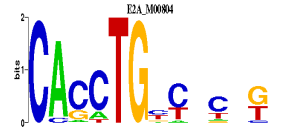
BRK\_M01096 2.2915e-05

CCTGGCTC  
-NTGGCG-



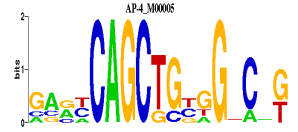
E2A\_M00804 2.0910e-04

--CCTGGCTC--  
CACCTGNCNCNKN



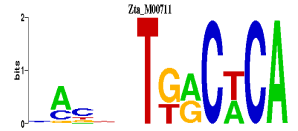
AP-4\_M00005 2.9560e-04

-----CCTGGCTC  
MNGNCNNCAGCTGNNNN



Zta\_M00711 5.2370e-04

---CCTGGCTC-  
NANNNTGRCWCA

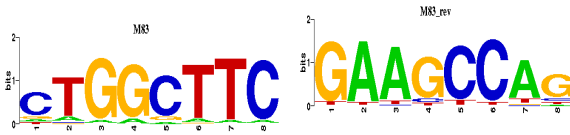


TFII-I\_M00706 1.0500e-03

CCTGGCTC  
CCTMCNTC



**M83**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

Grainyhead-Elf-1-NTF-1\_M00951 1.2559e-05

GAAGCCAG  
-AAACCRG



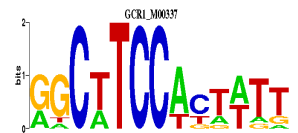
BRK\_M01096 2.3873e-05

CTGGCTTC  
NTGGCG--



GCR1\_M00337 2.2844e-04

-----GAAGCCAG  
AAWAGTGGAAGCC--



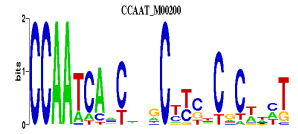
c-Ets-1\_M00743 4.5602e-04

CTGGCTTC--  
---GCTTCK

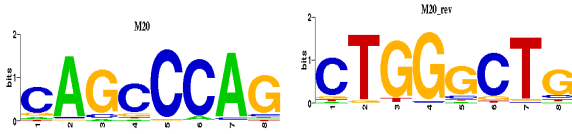


CCAAT\_M00200

7.4499e-04 -----GAAGCCAG-----  
ANNWGNNGNRRRGNNNGNTGATTGG



**M20**

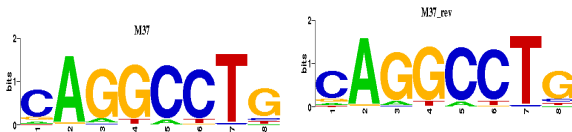


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
<b>YY1_M00069</b>	3.1957e-05	--CAGCCCAG----- WNSANNCAAGATGGCNGNN	
SREBP-1_M00221	6.8007e-05	CTGGGCTG-- GTGGGGTGAT	
SREBP_M00776	1.6991e-04	CTGGGCTG---- -TRGGGTGANNN	
CP2_M00072	2.6508e-04	CTGGGCTG-- CTGGKINGNG	
SREBP-1_M00749	4.6123e-04	CTGGGCTG -TGSGT-	

**M37**



*forward*

*reverse compliment*

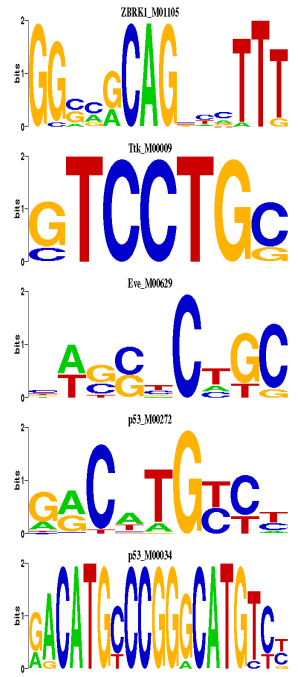
Name	E value	Alignment	Motif
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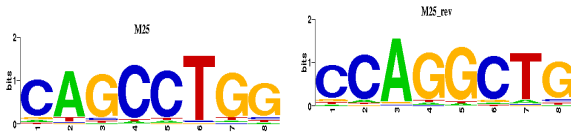
Stamp Results

10/01/13

ZBRK1_M01105	5.1461e-04	-CAGGCCTG----- AAANNCTGCKSCC
Ttk_M00009	9.6077e-04	-CAGGCCTG GCAGGAC--
Eve_M00629	1.3533e-03	-CAGGCCTG GCNGNSSWN
p53_M00272	6.3303e-03	--CAGGCCTG GRCWTGYCY-
p53_M00034	8.4477e-03	---CAGGCCTG----- RGACATGCCCGGCAATGTC



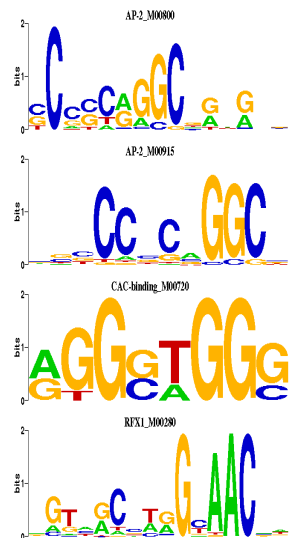
**M25**



*forward*

*reverse compliment*

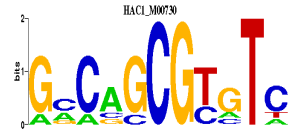
Name	E value	Alignment
AP-2_M00800	5.7677e-05	----CAGCCTGG--- NNYNYNGCCYGSSGS
AP-2_M00915	2.3006e-04	CAGCCTGG----- -NGCCNGNGGNNN
CAC-binding_M00720	3.9809e-04	--CAGCCTGG CCCASCCY--
RFX1_M00280	6.5524e-04	-----CCAGGCTG--- NNGTTTCYWNGYNACN



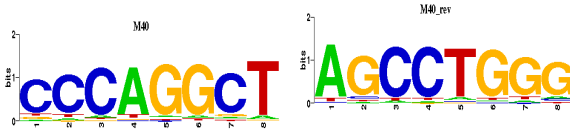
HAC1\_M00730

8.0745e-04

--CAGCCTGG--  
GMCAGCGTGC



**M40**

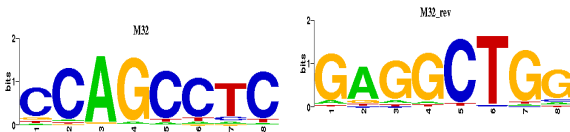


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
AP-2_M00915	6.5686e-07	AGCCTGGG---- NGCCNGNGGNNN	
CAC-binding_M00720	2.6739e-05	CCCAGGCT CCCASCCY	
AP-2_M00800	2.9072e-05	-----AGCCTGGG-- NNYNYNGCCYGSSGS	
NGFI-C_M00244	2.8323e-04	---CCCAGGCT CCRCCCACGCA	
Egr-3_M00245	3.8138e-04	---CCCAGGCT ACGCCACGCA	






**M32**



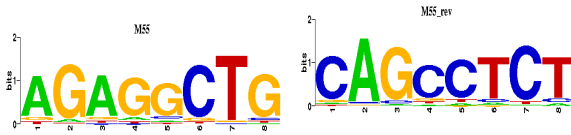
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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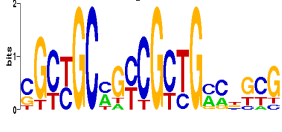
CAC-binding_M00720	8.0908e-07	-CCAGCCTC CCCASCCY-	
Sp1_M00933	1.4736e-04	CCAGCCTC- CCCKCCCN	
Zec_M01081	4.5872e-04	----CCAGCCTC GCAACCAACCTT	
HEB_M00698	6.1783e-04	GAGGCTGG -CAGCWGG	
TFII-I_M00706	7.2228e-04	GAGGCTGG GANGKAGG	

**M55**



*forward*

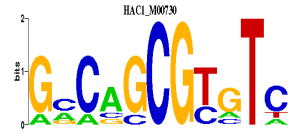
*reverse compliment*

Name	E value	Alignment	Motif
HSF_M00641	1.5645e-04	-CAGCCTCT--- GAARCYNCKNGA	
CAC-binding_M00720	3.9738e-04	--CAGCCTCT CCCASCCY--	
Dde_M00304	8.9996e-04	AGAGGCTG--- ---GGCTGAGC	
Adf-1_M00923	1.3851e-03	-----AGAGGCTG----- CRMNKKCAGCRCKGCRGCS	

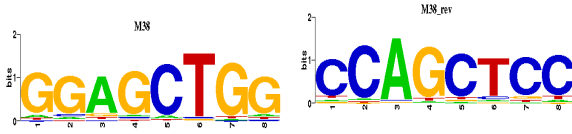
HAC1\_M00730

1.9382e-03

-AGAGGCTG--  
GACACGCTGKC



**M38**



*forward*

*reverse compliment*

*Name                      E value                      Alignment                      Motif*

HEB\_M00698

9.5573e-07

GGAGCTGG  
-CAGCWGG



TAL1\_M00993

1.0157e-06

CCAGCTCC-  
CCANCTGNY



LBP-1\_M00644

3.1945e-06

CCAGCTCC  
SCAGCN--



LUN-1\_M00480

4.2194e-06

-----GGAGCTGG-  
TCCCAAAGTAGCTGGG



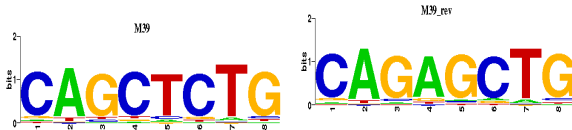
AP-4\_M00176

1.2486e-05

GGAGCTGG-  
NCAGCTGNN



**M39**



*forward*

*reverse compliment*

*Name*

*E value*

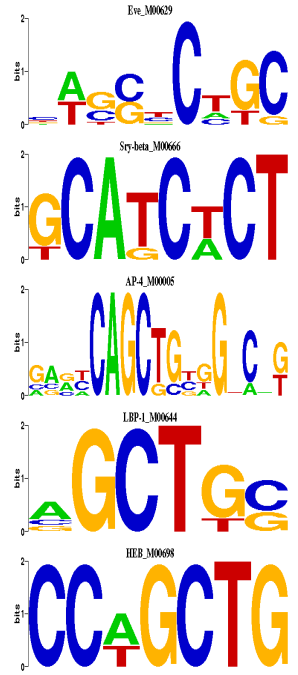
*Alignment*

*Motif*

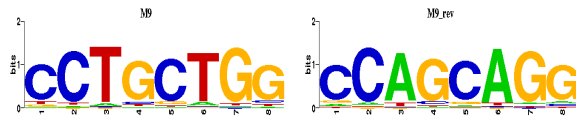
Stamp Results

10/01/13

Eve_M00629	7.5930e-06	-CAGAGCTG GCNGNSSWN
Sry-beta_M00666	9.0293e-06	CAGAGCTG- -AGWGATGC
AP-4_M00005	3.7087e-05	-----CAGAGCTG----- MNGNCNNCAGCTGNNNN
LBP-1_M00644	3.8581e-05	-CAGCTCTG SCAGCN---
HEB_M00698	4.7579e-04	CAGAGCTG- --CAGCWGG



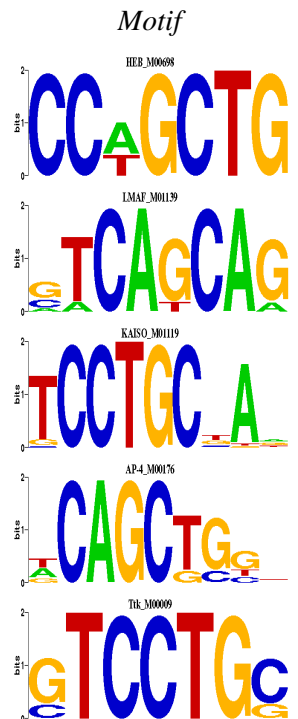
M9



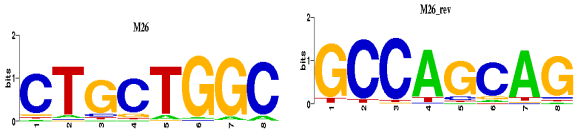
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
HEB_M00698	6.4050e-09	CCAGCAGG -CAGCWGG
LMAF_M01139	1.4820e-06	CCTGCTGG- -CTGCTGAS
KAISO_M01119	2.6967e-05	CCAGCAGG- NTNGCAGGA
AP-4_M00176	7.9319e-05	-CCAGCAGG NNCAGCTGN
Ttk_M00009	2.1575e-04	CCAGCAGG-- ---GCAGGAC



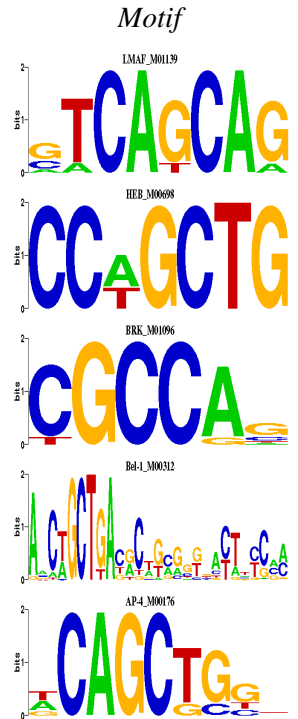
**M26**



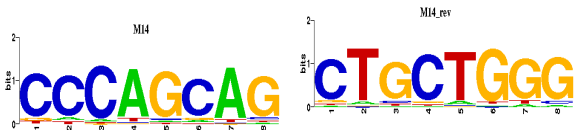
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
LMAF_M01139	3.6677e-08	GCCAGCAG STCAGCAG	
HEB_M00698	4.8794e-06	GCCAGCAG -CCWGCTG	
BRK_M01096	2.2145e-05	-GCCAGCAG CGCCAN---	
Bel-1_M00312	5.9964e-05	-----GCCAGCAG-- KNGRNAGTNMNCKCWGYRTCAGCAGNT	
AP-4_M00176	8.5038e-05	GCCAGCAG- NNCAGCTGN	



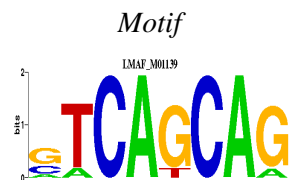
**M14**



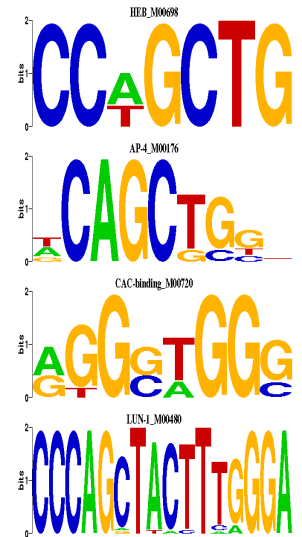
*forward*

*reverse compliment*

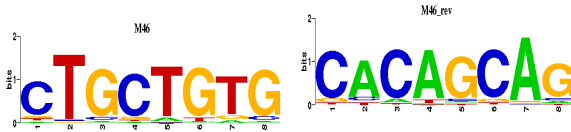
Name	E value	Alignment	Motif
LMAF_M01139	1.4936e-06	CTGCTGGG CTGCTGAS	



HEB_M00698	5.6423e-06	CTGCTGGG CAGCWGG-
AP-4_M00176	8.4132e-05	CCCAGCAG- NNCAGCTGN
CAC-binding_M00720	1.2646e-04	CCCAGCAG CCCASCCY
LUN-1_M00480	1.7117e-04	-----CTGCTGGG TCCCAAAGTAGCTGGG



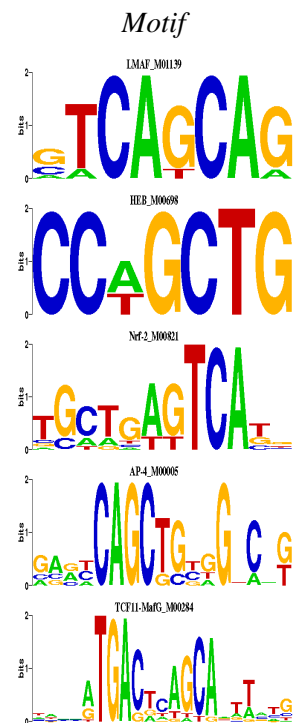
**M46**



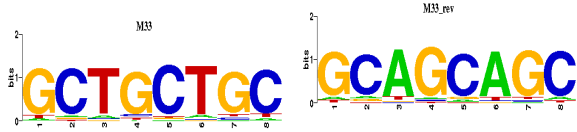
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
LMAF_M01139	1.4611e-06	CTGCTGTG CTGCTGAS
HEB_M00698	2.3574e-05	CACAGCAG- --CAGCWGG
Nrf-2_M00821	1.2822e-04	-----CACAGCAG NNTGACTCAGCA-
AP-4_M00005	3.2859e-04	-----CACAGCAG----- MNGNCNNCAGCTGNNNN
TCF11-MafG_M00284	7.5855e-04	-----CTGCTGTG----- CNNANN TGCTGNGTCATNNNN



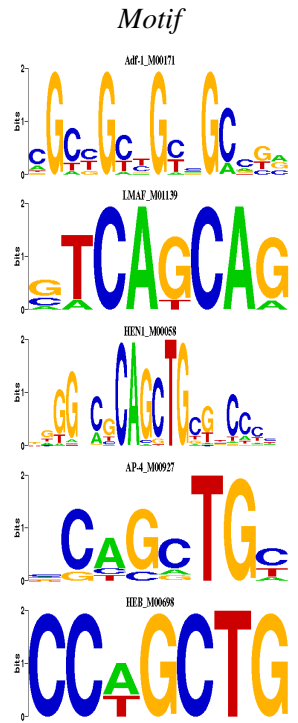
**M33**



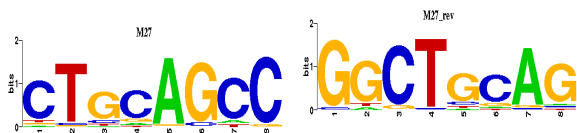
*forward*

*reverse compliment*

Name	E value	Alignment
Adf-1_M00171	1.1713e-06	-----GCAGCAGC-- NMNGCNRCRGRGCRGCG
LMAF_M01139	1.4899e-06	GCTGCTGC-- -CTGCTGAS
HEN1_M00058	6.4526e-06	-----GCAGCAGC----- NNNGGNCGCAGCTGCGNCCNN
AP-4_M00927	1.0469e-05	GCTGCTGC NCAGCTGY
HEB_M00698	1.4976e-05	GCTGCTGC CCWGCTG-



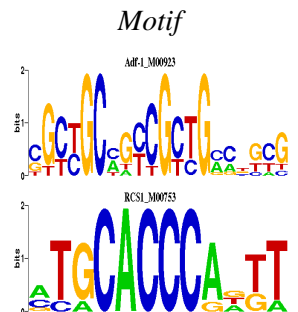
**M27**



*forward*

*reverse compliment*

Name	E value	Alignment
Adf-1_M00923	1.6006e-06	-----GGCTGCAG-- CRMNKKCAGCGRCKGCRGCS
RCS1_M00753	7.0197e-05	CTGCAGCC---- MTGCACCCANTT





Stamp Results

10/01/13

LBP-1\_M00644 7.6123e-05

GGCTGCAG  
NGCTGS--



Adf-1\_M00171 1.1200e-04

--GGCTGCAG-----  
NMNGCNRCRGCRGCG

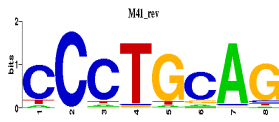
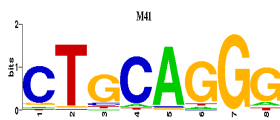


SMAD4\_M00733 1.9821e-04

----GGCTGCAG--  
RGNTGKCTGNMYSN



M41



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

Ttk\_M00009

2.1203e-04

--CCCTGCAG  
GTCCTGC--



HEB\_M00698

2.2306e-04

CTGCAGGG  
CAGCWGG--



MAZ\_M00649

1.2165e-03

CCCTGCAG  
CCCTCCC--



KAISO\_M01119

1.5449e-03

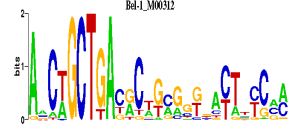
CCCTGCAG--  
TCCTGCNAN



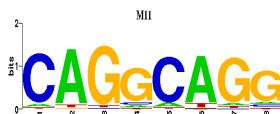
Bel-1\_M00312

1.6251e-03

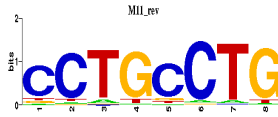
-----CCCTGCAG-----  
KNGRNAGTNMNCKCWGYRTCAGCAGNT



M11



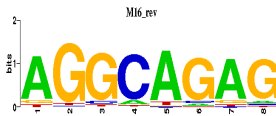
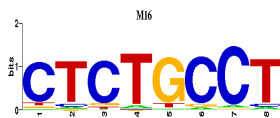
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
E2A_M00973	1.1608e-05	CAGGCAGG- --RNCAGNT	
Tel-2_M00678	3.5236e-05	CAGGCAGG- CAGGAAGTA	
E2A_M00804	1.4707e-04	---CAGGCAGG-- NMNGNGNCAGGTG	
TFII-I_M00706	1.6984e-04	CAGGCAGG GANGKAGG	
CAC-binding_M00720	2.1562e-04	-CCTGCCTG CCCASCCY-	

**M16**



*forward*

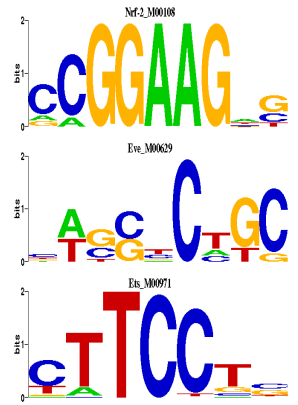
*reverse compliment*

Name	E value	Alignment	Motif
Dde_M00304	3.3254e-06	-CTCTGCCT GCTCAGCC-	
SMAD3_M00701	5.5932e-06	AGGCAGAG AGNCAGAC	

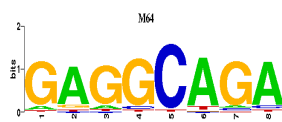
Stamp Results

10/01/13

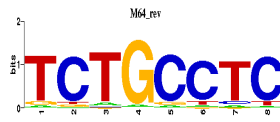
Nrf-2_M00108	1.2408e-04	CTCTGCCT- SNCTTCCGG
Eve_M00629	2.3331e-04	---CTCTGCCT NWSSNCNGC--
Ets_M00971	1.0266e-03	-AGGCAGAG NAGGAAG--



**M64**

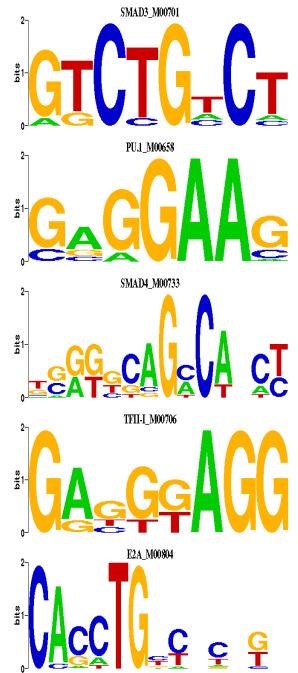


*forward*

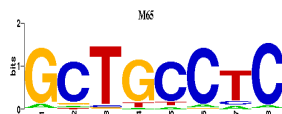


*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
SMAD3_M00701	4.5632e-06	-TCTGCCTC GTCTGNCT-	
PU.1_M00658	6.8946e-06	GAGGCAGA GAGGAAG-	
SMAD4_M00733	6.6913e-05	-----TCTGCCTC- RGNTGKCTGNMYSN	
TFII-I_M00706	1.2165e-04	TCTGCCTC CCTMCNTC	
E2A_M00804	1.4108e-04	---GAGGCAGA--- NMNGNGNCAGGTG	



**M65**

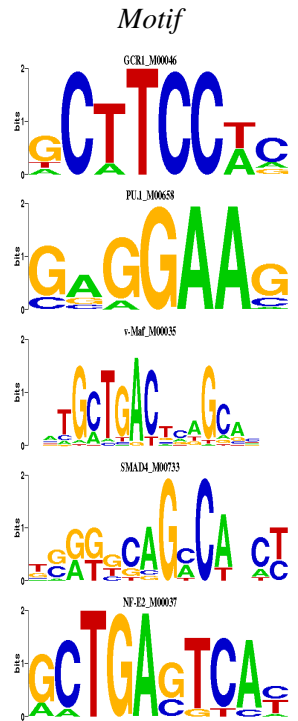


*forward*

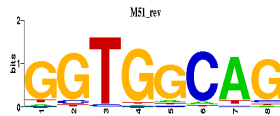
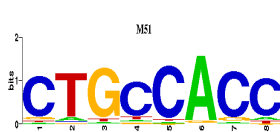


*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
GCR1_M00046	1.2750e-07	GAGGCAGC GWGGAAGC
PU.1_M00658	3.3792e-06	GCTGCCTC -CTTCCTC
v-Maf_M00035	1.0286e-05	-----GAGGCAGC--- NNNTGCNNNGTCAGCANN
SMAD4_M00733	1.8318e-05	-----GCTGCCTC- RGNTGKCTGNMYSN
NF-E2_M00037	5.2352e-05	--GAGGCAGC RTGACTCAGC



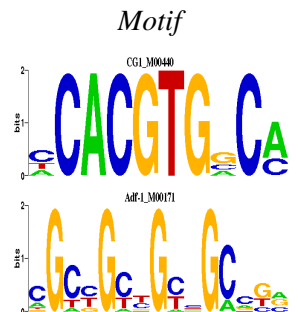
**M51**



*forward*

*reverse compliment*

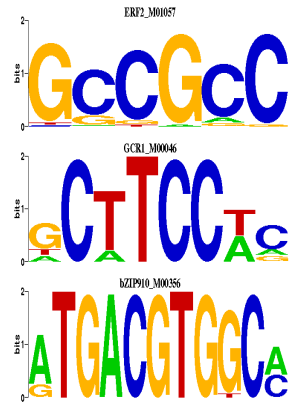
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
CG1_M00440	9.1667e-05	---GGTGGCAG NCACGTGNCA-
Adf-1_M00171	9.3410e-05	--GGTGGCAG----- NMNGCNRCRGCRGCG



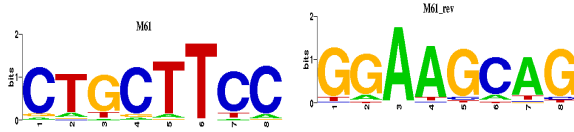
Stamp Results

10/01/13

ERF2_M01057	1.4798e-04	GGTGGCAG GGCGGC--
GCR1_M00046	1.6541e-04	GGTGGCAG-- --GWGGAAGC
bZIP910_M00356	1.7844e-04	----GGTGGCAG ATGACGTGGCM--



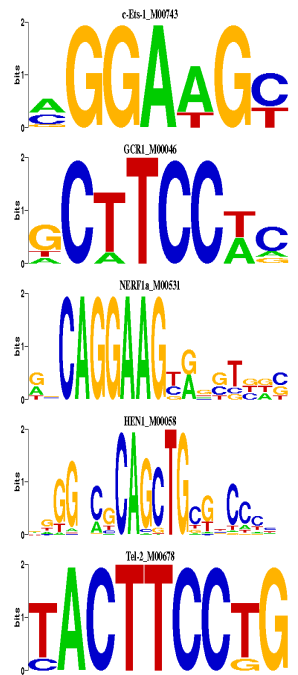
M61



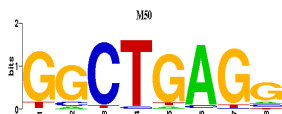
*forward*

*reverse compliment*

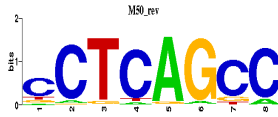
Name	E value	Alignment	Motif
c-Ets-1_M00743	1.0700e-06	CTGCTTCC-- --GCTTCK	e-Ets-1_M00743 GGAAGC
GCR1_M00046	1.5482e-06	--GGAAGCAG GWGGAAGC--	GCR1_M00046 CTTCC
NERF1a_M00531	2.7260e-06	----CTGCTTCC---- SNNASNYRCTTCTGNY	NERF1a_M00531 CAGGAG
HEN1_M00058	8.8191e-06	---GGAAGCAG----- NNNGGNCGCAGCTGCGNCCNN	HEN1_M00058 GGAAGCAG
Tel-2_M00678	6.5826e-05	--GGAAGCAG CAGGAAGTA--	Tel-2_M00678 TACTTCC



M50

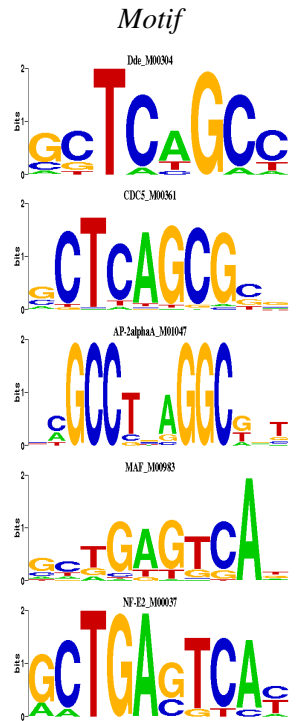


*forward*

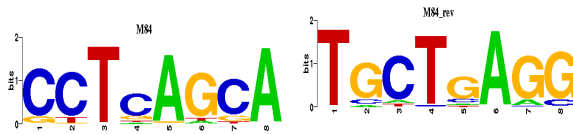


*reverse compliment*

Name	E value	Alignment
Dde_M00304	1.1764e-09	GGCTGAGG GGCTGAGC
CDC5_M00361	1.2237e-05	--GGCTGAGG NSCGCTGAGS
AP-2alphaA_M01047	2.1859e-05	---GGCTGAGG--- ANMGCCTNAGGCKN
MAF_M00983	2.9783e-05	---CCTCAGCC NTGACTCANC-
NF-E2_M00037	4.1127e-05	---CCTCAGCC RTGACTCAGC-



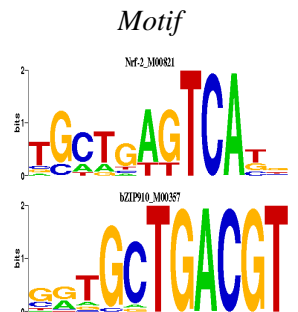
**M84**



*forward*

*reverse compliment*

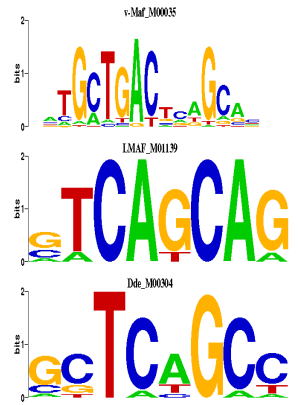
Name	E value	Alignment
Nrf-2_M00821	1.6629e-07	----CCTCAGCA NNTGACTCAGCA
bZIP910_M00357	4.4615e-07	-CCTCAGCA-- ACGTCAGCAYS



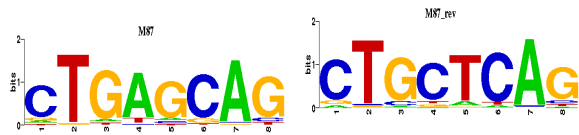
Stamp Results

10/01/13

v-Maf_M00035	9.6935e-07	-----CCTCAGCA--- NNTGCTGACNNGCANN
LMAF_M01139	1.2209e-06	CCTCAGCA- -STCAGCAG
Dde_M00304	2.1335e-06	TGCTGAGG GGCTGAGC



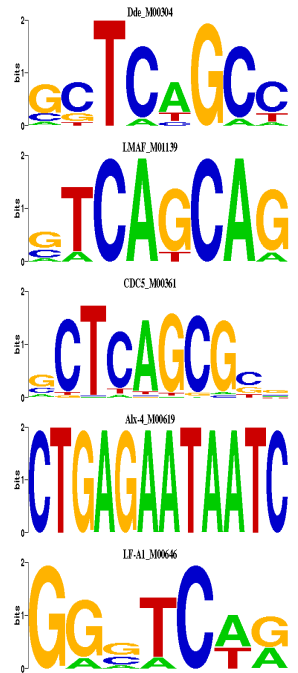
M87



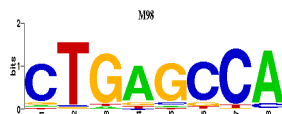
*forward*

*reverse compliment*

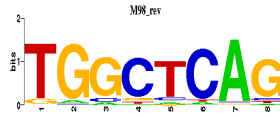
Name	E value	Alignment	Motif
Dde_M00304	2.2058e-06	--CTGAGCAG GGCTGAGC--	
LMAF_M01139	1.1361e-05	CTGCTCAG CTGCTGAS	
CDC5_M00361	1.9923e-05	----CTGAGCAG NSCCTGAGS--	
Alx-4_M00619	4.3163e-04	----CTGCTCAG GATTATTCTCAG	
LF-A1_M00646	6.5675e-04	CTGCTCAG -GGSTCWR	



M98

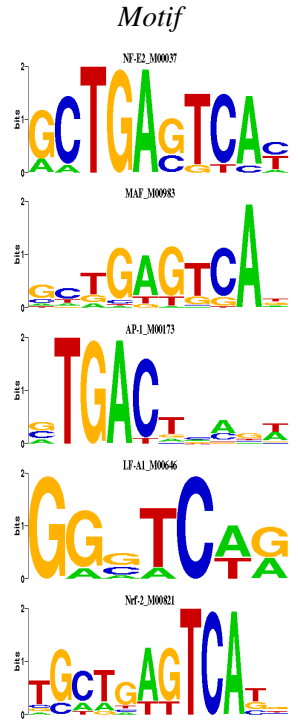


*forward*

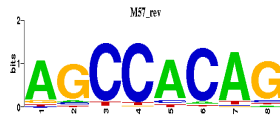
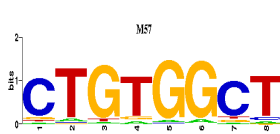


*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
NF-E2_M00037	3.5695e-07	-TGGCTCAG- RTGACTCAGC
MAF_M00983	5.1497e-07	-TGGCTCAG- NTGACTCANC
AP-1_M00173	6.1157e-07	-TGGCTCAG- NTGACTNMNW
LF-A1_M00646	9.0084e-07	CTGAGCCA YWGASCC-
Nrf-2_M00821	1.3280e-06	--TGGCTCAG-- NNTGACTCAGCA



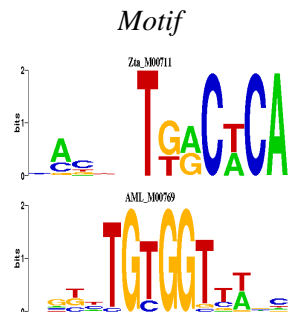
**M57**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Zta_M00711	1.7162e-05	--AGCCACAG-- TGWGYCANNNTN
AML_M00769	5.5426e-05	---AGCCACAG--- NNWRACCACANNNN

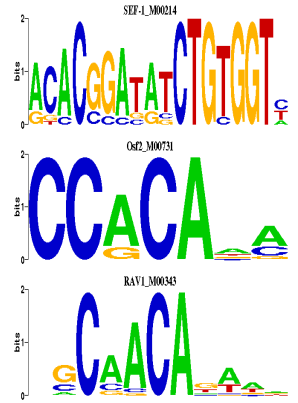




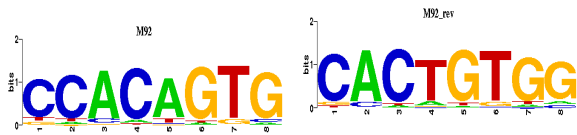
Stamp Results

10/01/13

SEF-1_M00214	1.2688e-04	AGCCACAG----- RACCACAGATATCCGTGT
Osf2_M00731	2.4196e-04	-CTGTGGCT KNIGTGG--
RAV1_M00343	2.8772e-04	---CTGTGGCT NNWNTGTTGCN



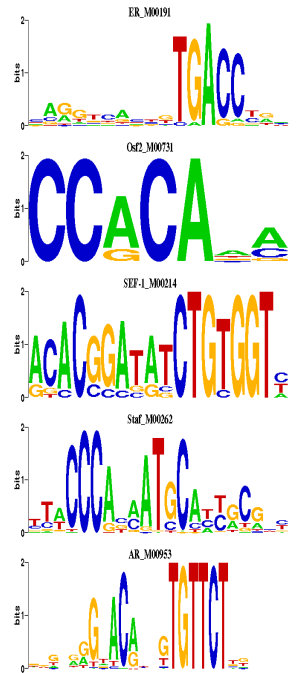
M92



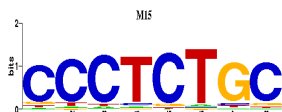
*forward*

*reverse compliment*

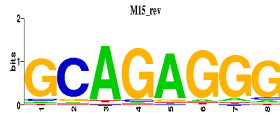
Name	E value	Alignment	Motif
ER_M00191	7.7365e-06	-----CACTGTGG----- NNRNNNNNNNTGACCNNN	
Osf2_M00731	2.2430e-04	CACTGTGG -KNIGTGG	
SEF-1_M00214	2.8156e-04	--CCACAGTG----- RACCACAGATATCCGTGT	
Staf_M00262	3.5304e-04	---CCACAGTG----- NTWCCANMATGCANYRCGNN	
AR_M00953	6.0969e-04	-----CACTGTGG----- NNNNNRGNACANNGTGTTCTNNNNNN	



M15



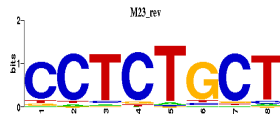
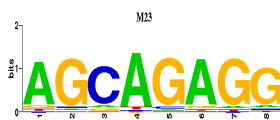
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
TAL1_M00993	1.3958e-06	-GCAGAGGG RNCAGNTGG	
COUPTF_M01036	2.7529e-06	-----CCCTCTGC- NNNNTGACCTTTNNMCNYNNMN	
Eve_M00629	1.0800e-04	GCAGAGGG- GCNGNSSWN	
MAZ_M00649	2.1801e-04	CCCTCTGC CCCTCCC-	
HSF_M00641	1.0707e-03	---CCCTCTGC- GAARCYNCKNGA	

**M23**



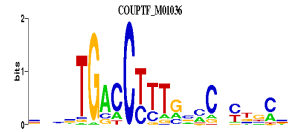
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
TAL1_M00993	5.5303e-06	AGCAGAGG- RNCAGNTGG	
Eve_M00629	8.3865e-05	AGCAGAGG-- -GCNGNSSWN	

COUPTF\_M01036 3.9788e-04

AGCAGAGG-----  
NKNNRNGKNNAAAGGTCANNNN



LMAF\_M01139 7.2132e-04

CCTCTGCT---  
---CTGCTGAS

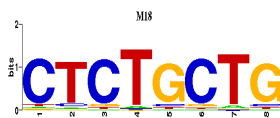


HSF\_M00641 1.0818e-03

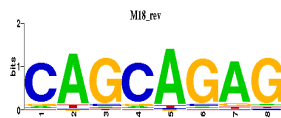
AGCAGAGG----  
TCNMGNRGYTTC



**M18**



*forward*



*reverse complement*

*Name*

*E value*

*Alignment*

*Motif*

LMAF\_M01139

1.4647e-06

CTCTGCTG--  
--CTGCTGAS



HEB\_M00698

1.6709e-05

CAGCAGAG  
CAGCWGG-



Eve\_M00629

2.6096e-04

CAGCAGAG---  
--GCNGNSSWN



BRCA1-USF2\_M01082 3.8024e-04

CTCTGCTG  
-NNNGTTG



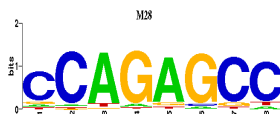
TAL1\_M00993

4.1739e-04

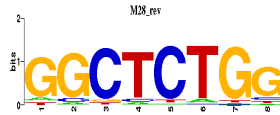
CAGCAGAG--  
-RNCAGNTGG



**M28**

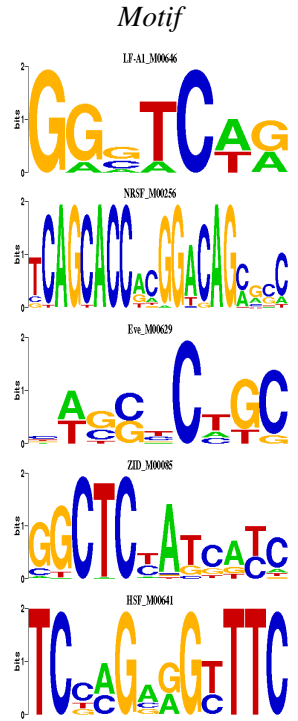


*forward*

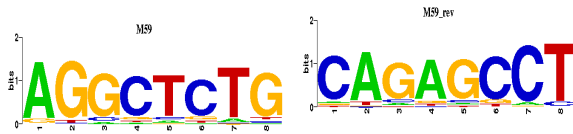


*reverse compliment*

Name	E value	Alignment
LF-A1_M00646	1.3741e-05	CCAGAGCC -YWGASCC
NRSF_M00256	3.1614e-04	-----CCAGAGCC TCAGCACCACGGACAGCRSC
Eve_M00629	4.6488e-04	CCAGAGCC- GCNGNSSWN
ZID_M00085	4.7997e-04	GGCTCTGG---- GGCTCYATCAYC
HSF_M00641	8.1141e-04	---GGCTCTGG- GAARCYNCKNGA



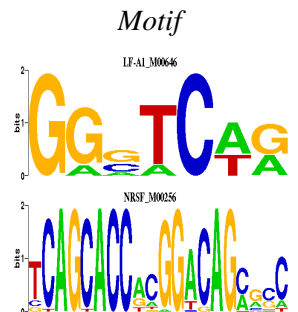
**M59**



*forward*

*reverse compliment*

Name	E value	Alignment
LF-A1_M00646	1.5300e-05	CAGAGCCT YWGASCC-
NRSF_M00256	2.8941e-04	AGGCTCTG----- -GSYGCTGTCCGTGGTGCTGA



Stamp Results

10/01/13

ZID\_M00085 4.8296e-04

-----CAGAGCCT  
GRTGATRGAGCC-



Eve\_M00629 5.5723e-04

-CAGAGCCT  
GCNGNSSWN

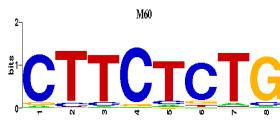


Dde\_M00304 1.0902e-03

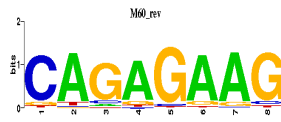
--CAGAGCCT  
GGCTGAGC--



**M60**



*forward*

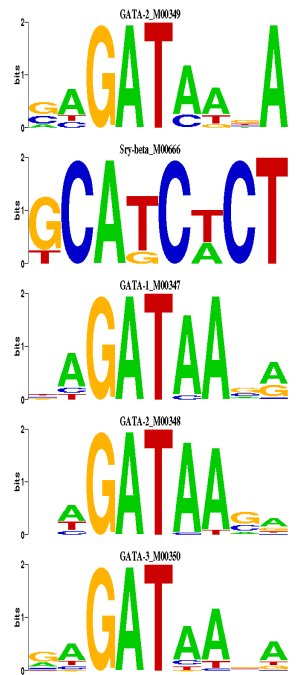


*reverse compliment*

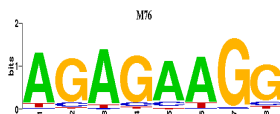
Name	E value
GATA-2_M00349	2.3150e-05
Sry-beta_M00666	9.4233e-05
GATA-1_M00347	1.1000e-04
GATA-2_M00348	1.7440e-04
GATA-3_M00350	1.7753e-04

Alignment
CAGAGAAG- SAGATAANA
CAGAGAAG- -AGWGATGC
-CTTCTCTG YNTTATCTN
-CTTCTCTG NSTTATCWN
-CTTCTCTG TNTTATCTY

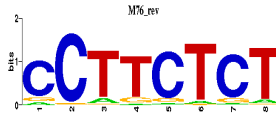
*Motif*



**M76**

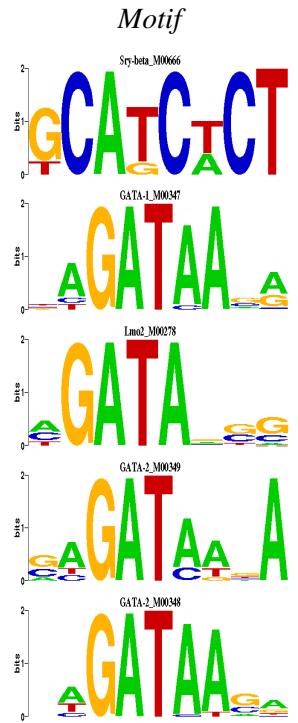


*forward*

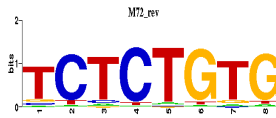
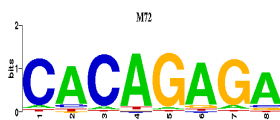


*reverse compliment*

Name	E value	Alignment
Sry-beta_M00666	2.3930e-05	CCTTCTCT GCATCWCT
GATA-1_M00347	5.3697e-05	-AGAGAAGG NAGATAANR
Lmo2_M00278	7.0268e-05	CCTTCTCT CSNTATCK
GATA-2_M00349	9.6200e-05	CCTTCTCT- TNTTATCTS
GATA-2_M00348	1.5129e-04	-AGAGAAGG NWGATAASN



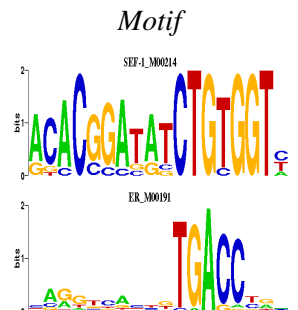
**M72**



*forward*

*reverse compliment*

Name	E value	Alignment
SEF-1_M00214	1.6210e-05	---CACAGAGA----- RACCACAGATATCCGTGT
ER_M00191	3.8453e-05	----TCTCTGTG----- NNRNNNNNNNTGACCNNN



Stamp Results

10/01/13

STE11\_M01005 1.5887e-04

--TCTCTGTG--  
TTTCTTTGTTC



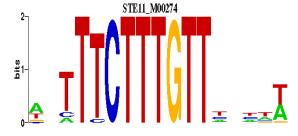
SOX\_M01014 3.1658e-04

----CACAGAGA  
NCNTAACAAAGA

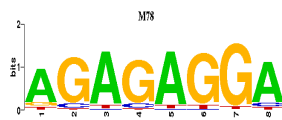


STE11\_M00274 1.0301e-03

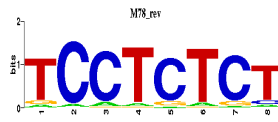
-----CACAGAGA-----  
WNNNNAACAAAGAAANW



M78



*forward*



*reverse complement*

*Name*

*E value*

*Alignment*

*Motif*

Pax-1\_M00326 5.8300e-06

-----AGAGAGGA---  
ATATCTAGAGCGGAACG



Sry-beta\_M00666 3.2702e-05

AGAGAGGA  
AGWGATGC



Elf-1\_M00746 3.8267e-05

---TCCTCTCT  
AYTTCCTCTTN



TFII-I\_M00706 1.8213e-04

TCCTCTCT-  
-CCTMCNTC

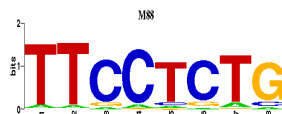


PU.1\_M00658 3.3410e-04

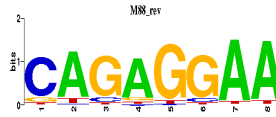
--TCCTCTCT  
CTTCTC---



M88

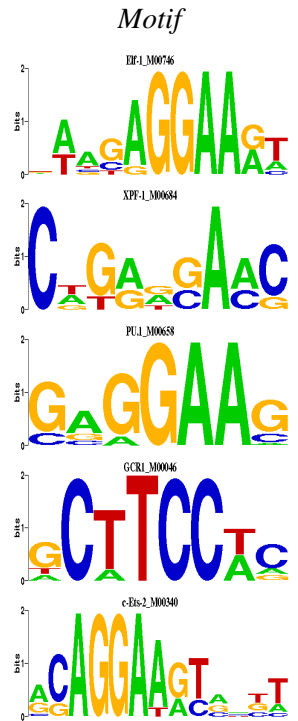


*forward*

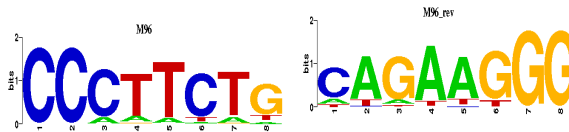


*reverse compliment*

Name	E value	Alignment
Elf-1_M00746	3.2837e-08	--TTCCTCTG-- AYTTCCTCTTN
XPF-1_M00684	2.3304e-07	-TTCCTCTG GKTSNYCNG
PU.1_M00658	3.3029e-07	-TTCCTCTG CTTCCTC--
GCR1_M00046	2.3671e-05	--TTCCTCTG GCTTCCWC--
c-Ets-2_M00340	1.8636e-04	-----TTCCTCTG ANNNACTTCCTGY-



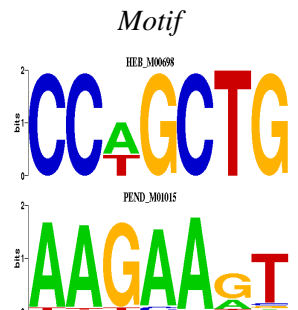
**M96**



*forward*

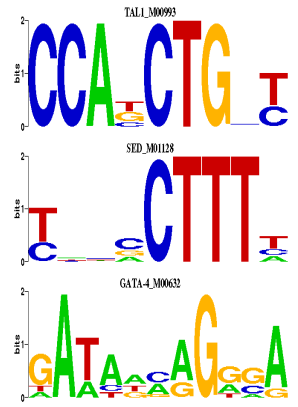
*reverse compliment*

Name	E value	Alignment
HEB_M00698	1.3298e-04	CAGAAGGG CAGCWGG-
PEND_M01015	3.5608e-04	CCCTTCTG -ACTTCTT

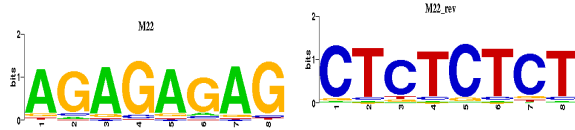




TAL1_M00993	5.4810e-04	--CAGAAGGG RNCAGNTGG--
SED_M01128	5.7489e-04	CAGAAGGG-- -NAAAGNNNA
GATA-4_M00632	1.0101e-03	-CCCTTCTG-- TSYCTKNTATC



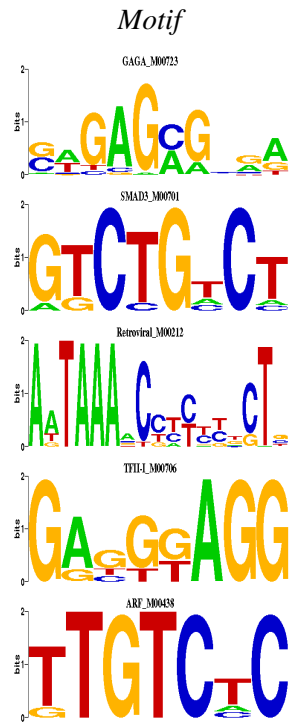
**M22**



*forward*

*reverse compliment*

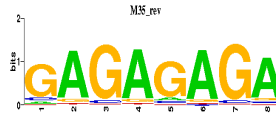
Name	E value	Alignment
GAGA_M00723	4.9258e-06	-AGAGAGAG- SWGAGMGNRA
SMAD3_M00701	2.3188e-05	AGAGAGAG AGNCAGAC
Retroviral_M00212	7.3314e-05	-AGAGAGAG----- NAGNRRRRRGNTTTATT
TFII-I_M00706	1.4105e-04	-CTCTCTCT CCTMCNTC-
ARF_M00438	1.1311e-03	AGAGAGAG -GAGACAA



**M35**

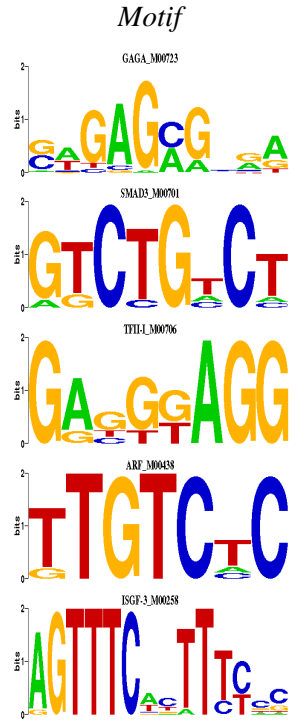


*forward*

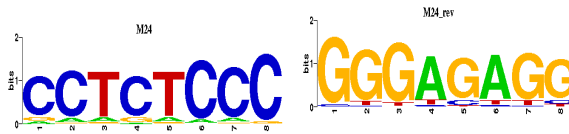


*reverse compliment*

Name	E value	Alignment
GAGA_M00723	1.4536e-06	TCTCTCTC-- TYNCKCTCWS
SMAD3_M00701	2.8285e-05	-TCTCTCTC GCTGNCT-
TFII-I_M00706	1.4675e-04	TCTCTCTC CCTMCNTC
ARF_M00438	1.0297e-03	-TCTCTCTC TTGTCTC--
ISGF-3_M00258	1.0612e-03	----TCTCTCTC-- AGTTTCWNTTTCNC



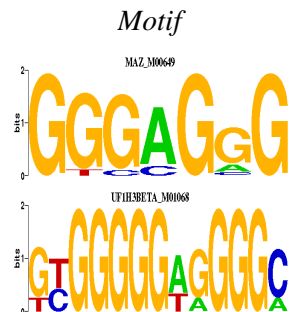
**M24**



*forward*

*reverse compliment*

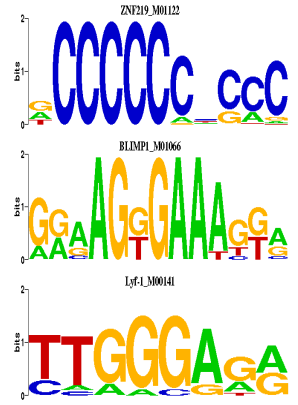
Name	E value	Alignment
MAZ_M00649	1.3557e-06	GGGAGAGG GGGAGGG-
UF1H3BETA_M01068	4.4741e-06	----GGGAGAGG-- GYGGGGGAGGGGC



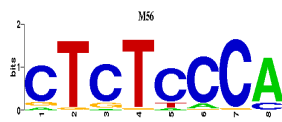
Stamp Results

10/01/13

ZNF219_M01122	3.3264e-05	GGGAGAGG--- GGGNGGGGGGN
BLIMP1_M01066	6.1674e-05	-CCTCTCCC---- YMCTTTCMCTTYC
Lyf-1_M00141	6.7753e-05	--GGGAGAGG TTGGGAGR--



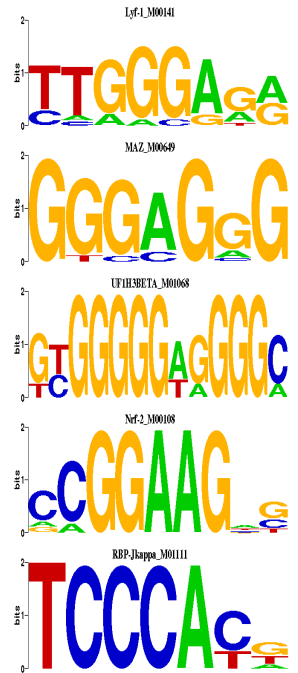
M56



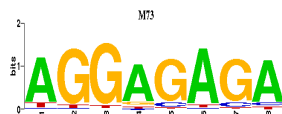
*forward*

*reverse compliment*

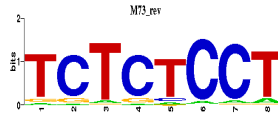
Name	E value	Alignment	Motif
Lyf-1_M00141	5.6336e-08	CTCTCCCA- -YCTCCCAA	TTGGGAGA C C A G G A G
MAZ_M00649	8.8663e-07	CTCTCCCA CCCTCCC-	GGGAGGG G G G A G G G
UF1H3BETA_M01068	4.8688e-05	----CTCTCCCA- GCCCCTCCCCRC	GTGGGGAGGGC T C G G G G A G G G C
Nrf-2_M00108	7.7268e-05	CTCTCCCA- SNCTTCGG	CCGGAAG C C G G A A G
RBP-Jkappa_M01111	1.9938e-04	--TGGGAGAG NGTGGGA---	TCCCAc T C C C A c



M73

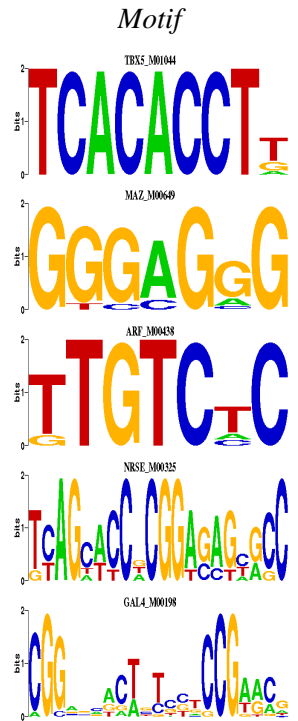


*forward*

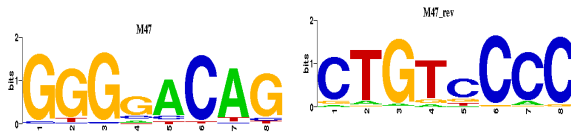


*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
TBX5_M01044	2.2047e-04	-AGGAGAGA AAGGTGTGA
MAZ_M00649	6.9688e-04	TCTCTCCT -CCCTCCC
ARF_M00438	7.8166e-04	AGGAGAGA- --GAGACAA
NRSE_M00325	8.8823e-04	---TCTCTCCT----- GGCRCTCTCCGNGGTGCTGA
GAL4_M00198	1.4379e-03	-----TCTCTCCT----- CGNNTNNCTNTNNNCCGARCN



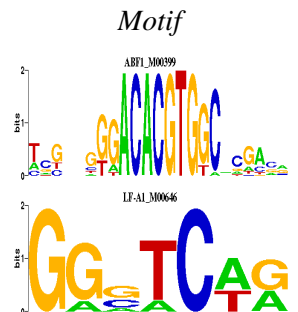
**M47**



*forward*

*reverse compliment*

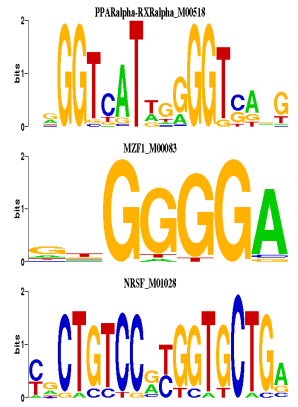
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
ABF1_M00399	4.6243e-06	-----CTGTCCCC----- NNTCNNGCCACGTGTCCNNNNW
LF-A1_M00646	3.8297e-05	CTGTCCCC YWGASCC-



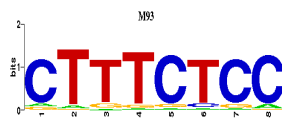
Stamp Results

10/01/13

PPARalpha-RXRalpha_M00518	1.3989e-04	-----GGGGACAG-- NNGGTCATNNGGGGTSANG
MZF1_M00083	1.8546e-04	--GGGGACAG NNGGGGA---
NRSF_M01028	1.9244e-04	-----GGGGACAG-- TCAGCACCRYGGACAGNR



M93

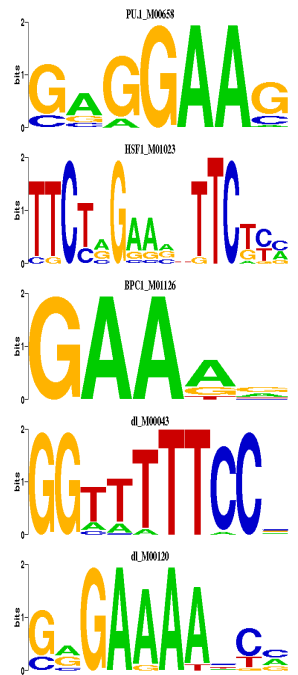


*forward*

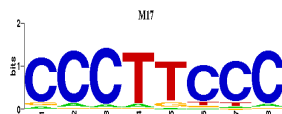


*reverse compliment*

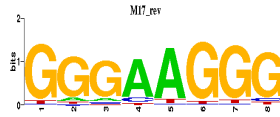
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	7.2577e-06	CTTTCTCC CTTCTC-	
HSF1_M01023	1.8355e-05	GGAGAAAG----- KRAGAANNNTTCYAGAA	
BPC1_M01126	2.2648e-05	CTTTCTCC NTTTC---	
dI_M00043	1.8900e-04	-GGAGAAAG- NGGAAAAACC	
dI_M00120	2.0553e-04	---CTTTCTCC NGNTTTTCYC-	



M17



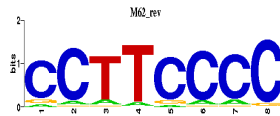
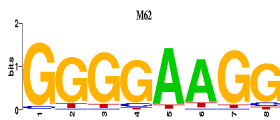
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
UF1H3BETA_M01068	4.7925e-07	-CCCTTCCC---- GCCCCTCCCCRC	
MAZ_M00649	4.0268e-06	CCCTTCCC -CCCTCCC	
BLIMP1_M01066	6.5996e-06	-----CCCTTCCC YMCTTTCMCTTYC-	
Sp3_M00665	3.1847e-05	CCCTTCCC----- CCCYSCCAAGKS	
ZNF219_M01122	6.3839e-05	GGGAAGGG--- GGGNGGGGGGN	

**M62**



*forward*

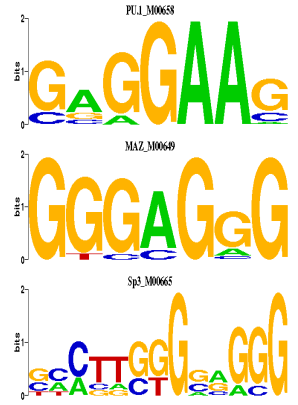
*reverse compliment*

Name	E value	Alignment	Motif
UF1H3BETA_M01068	4.4345e-07	--CCTTCCCC--- GCCCCTCCCCRC	
AtMYB-84_M00970	5.1815e-07	---CCTTCCCC- SCACCTACCNC	

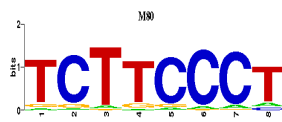
Stamp Results

10/01/13

PU.1_M00658	1.3405e-06	CCTTCCCC -CTTCCTC
MAZ_M00649	5.5814e-06	CCTTCCCC CCCTCCC-
Sp3_M00665	3.9028e-05	-----GGGGAAGG SMCTTGGGSRGGG



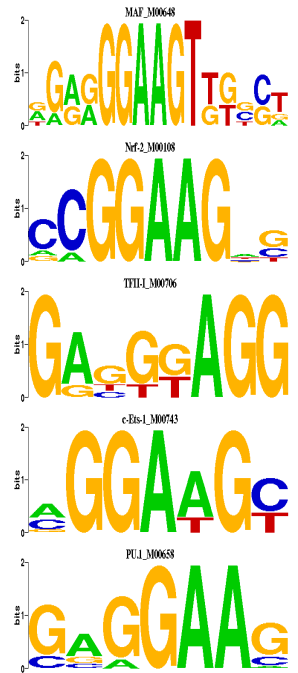
M80



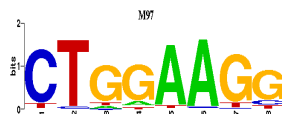
*forward*

*reverse compliment*

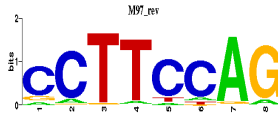
Name	E value	Alignment	Motif
MAF_M00648	5.1574e-06	-----TCTTCCCT-- NSNMMACTTCCYYCN	
Nrf-2_M00108	1.1571e-05	AGGGAAGA- CCGGAAGNS	
TFII-I_M00706	1.1230e-04	TCTTCCCT- -CCTMCNTC	
c-Ets-1_M00743	2.2905e-04	TCTTCCCT GCTTCK-	
PU.1_M00658	2.3565e-04	TCTTCCCT -CTTCCTC	



M97



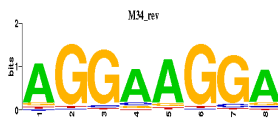
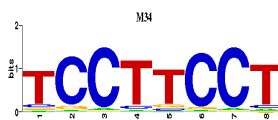
*forward*



*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GCR1_M00046	2.8760e-05	CTGGAAGG GWGGAAGC	<p>Sequence logo for GCR1_M00046. The y-axis is labeled 'bits' and ranges from 0 to 2. The x-axis shows positions 1 to 6. The sequence is CTGGAAGG.</p>
Pax-6_M00979	7.7771e-05	-CCTTCCAG---- KAGTTCCAGGTCA	<p>Sequence logo for Pax-6_M00979. The y-axis is labeled 'bits' and ranges from 0 to 2. The x-axis shows positions 1 to 6. The sequence is TGACCTGGAACT.</p>
Nrf-2_M00108	7.8552e-05	-CCTTCCAG SNCTTCCGG	<p>Sequence logo for Nrf-2_M00108. The y-axis is labeled 'bits' and ranges from 0 to 2. The x-axis shows positions 1 to 6. The sequence is ccGGAAG.</p>
Tel-2_M00678	9.0144e-05	-CCTTCCAG TACTTCCCTG	<p>Sequence logo for Tel-2_M00678. The y-axis is labeled 'bits' and ranges from 0 to 2. The x-axis shows positions 1 to 6. The sequence is TACTTCCCTG.</p>
GCR1_M00337	2.1637e-04	-CCTTCCAG---- GGCTTCCACTWTT	<p>Sequence logo for GCR1_M00337. The y-axis is labeled 'bits' and ranges from 0 to 2. The x-axis shows positions 1 to 6. The sequence is GGCTTCCACTATTT.</p>

**M34**




*forward*

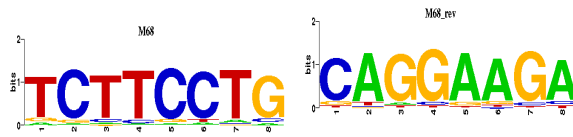
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Tel-2_M00678	6.5012e-08	TCCTTCCCT- TACTTCCCTG	<p>Sequence logo for Tel-2_M00678. The y-axis is labeled 'bits' and ranges from 0 to 2. The x-axis shows positions 1 to 6. The sequence is TACTTCCCTG.</p>
Ets_M00971	3.0348e-07	TCCTTCCCT- --CTTCCCTN	<p>Sequence logo for Ets_M00971. The y-axis is labeled 'bits' and ranges from 0 to 2. The x-axis shows positions 1 to 6. The sequence is CTTCCCT.</p>








PU.1_M00658	3.9096e-07	TCCTTCCT- --CTTCCTC	
PEA3_M00655	1.7541e-06	TCCTTCCT --CWTCCK	
c-Ets-1_M00743	2.5703e-06	TCCTTCCT -GCTTCCK	

**M68**

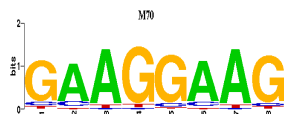


*forward*

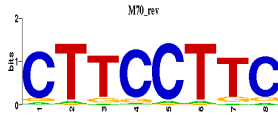
*reverse complement*

Name	E value	Alignment	Motif
Tel-2_M00678	3.2617e-09	CAGGAAGA- CAGGAAGTA	
Nrf-2_M00108	4.2619e-08	-TCTTCCTG SNCTTCGG	
Ets_M00771	1.0030e-07	---TCTTCCTG NNNRCTTCCTG	
Ets_M00971	3.1824e-07	CAGGAAGA NAGGAAG-	
c-Ets-2_M00340	3.3173e-07	-CAGGAAGA---- RCAGGAAGTNNNT	

**M70**

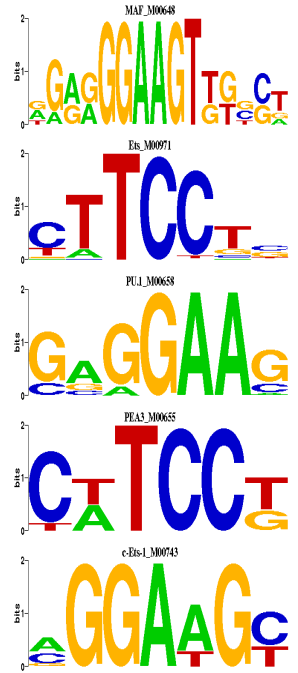


*forward*

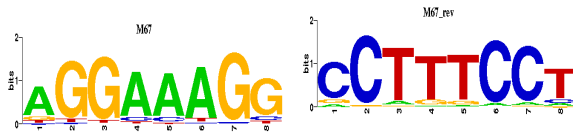


*reverse compliment*

Name	E value	Alignment
MAF_M00648	2.9226e-07	-GAAGGAAG----- NGRRGGAAGTKKNSN
Ets_M00971	3.1842e-07	GAAGGAAG -NAGGAAG
PU.1_M00658	4.4890e-07	CTTCCTTC CTTCCTC-
PEA3_M00655	1.0794e-06	GAAGGAAG --MGGAWG
c-Ets-1_M00743	2.1401e-06	-CTTCCTTC GCTTCCK--



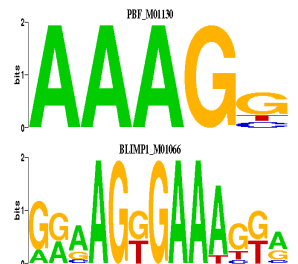
**M67**






*forward*

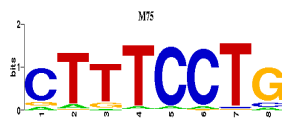
*reverse compliment*

Name	E value	Alignment
PBF_M01130	2.1547e-06	CCTTTCCCT CCTTT---
BLIMP1_M01066	5.6075e-06	-CCTTTCCCT---- YMCTTTCMCTTYC

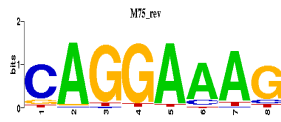


BPC1_M01126	1.7319e-05	CCTTTCCT -NTTTC--	
Helios_M01004	2.4398e-05	CCTTTCCT-- NTTTCCTWN	
NF-kappaB_M00208	1.8408e-04	AGGAAAGG--- NGGAAARTCCC	






**M75**



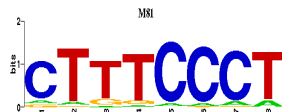
*forward*



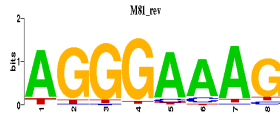
*reverse compliment*

Name	E value	Alignment	Motif
STAT5B_M00459	2.4899e-06	-----CAGGAAAG NRNTTCNNGGAAWN	
Tel-2_M00678	6.8770e-06	-CTTTCCTG TACTTCCTG	
Rim101p_M01030	1.7547e-05	CTTTCCTG -TTNCTTG	
STAT5A_M00457	2.1239e-05	-CTTTCCTG----- NRNTTCNNGAANY	
Helios_M01004	2.6572e-05	-CTTTCCTG- NTTTCCTWN	

**M81**

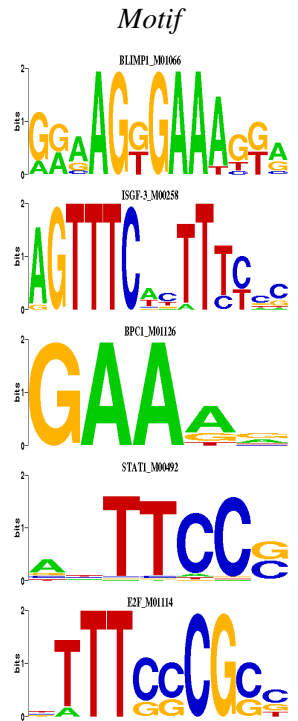


*forward*

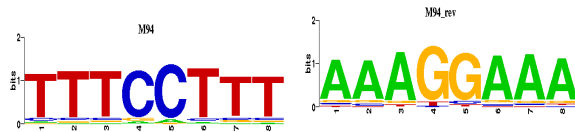


*reverse compliment*

Name	E value	Alignment
BLIMP1_M01066	2.2618e-10	--CTTTCCT-- YMCTTTCMCTTYC
ISGF-3_M00258	2.4893e-06	-----CTTTCCT AGTTTCWNTTTCNC-
BPC1_M01126	2.6904e-05	CTTTCCT NTTTC---
STAT1_M00492	4.1595e-05	AGGGAAAG -SGGAANT
E2F_M01114	5.4283e-05	--AGGGAAAG NGCGGAAAN



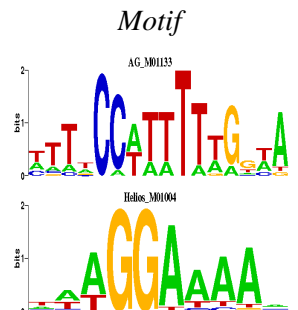
**M94**



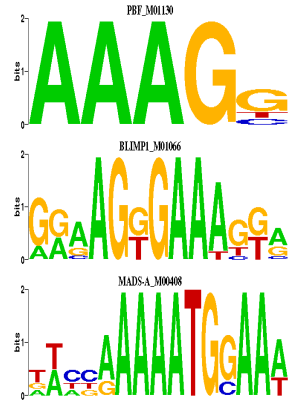
*forward*

*reverse compliment*

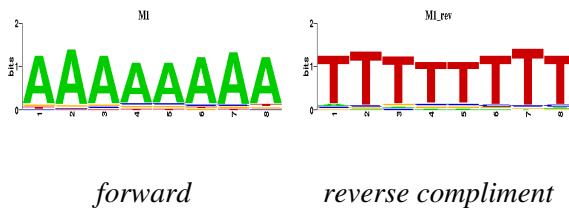
Name	E value	Alignment
AG_M01133	6.7116e-08	-----AAAGGAAA- TWNCAAAAAWGGNAAN
Helios_M01004	1.4259e-07	--TTTCCTTT NTTTCCTWN



PBF_M01130	2.2237e-06	TTCCTTT ---CCTTT
BLIMP1_M01066	6.0227e-06	---TTCCTTT-- YMCTTTCMCTTYC
MADS-A_M00408	6.5806e-06	TTCCTTT----- TTC CATT TTT TNNWN

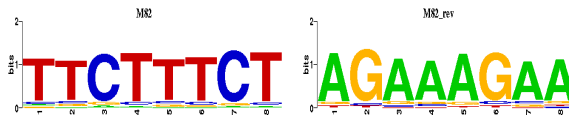


**M1**



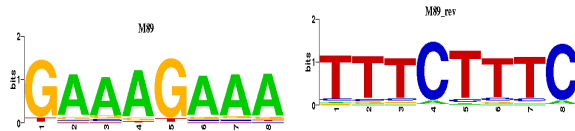
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Hb_M00022	1.1230e-06	-TTTTTTTT NTTTTTNYK	
MEF-2_M00006	2.1639e-06	---TTTTTTTT--- RGRGTTATTTTTAGA	
MEF-2_M00406	2.8221e-06	---TTTTTTTT--- NGGGTTATTTTTAGM	
aMEF-2_M00403	4.1673e-06	---TTTTTTTT--- KKRGNTATTTTTARNCM	
MEF-2_M00405	5.0997e-06	--TTTTTTTT--- RGKNWTTTTTANN SM	

**M82**



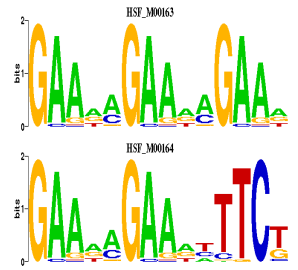
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STE11_M01005	2.3775e-07	-TTCTTTCT-- TTTCTTTGTT	
STE11_M00274	3.3129e-06	---TTCTTTCT----- WNTTCTTTGTTNNNNW	
Lentiviral_M00331	6.7952e-06	-----TTCTTTCT NCTTGC GGTANNCTNNTYNT	
BPC1_M01126	1.7412e-05	TTCTTTCT --NTTTC-	
SMAD3_M00701	3.0944e-05	AGAAAGAA AGNCAGAC	

**M89**

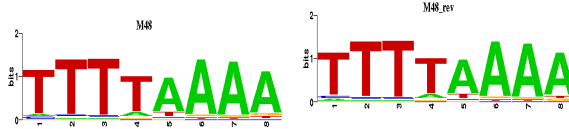


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STE11_M01005	2.2965e-08	TTTCTTTC--- TTTCTTTGTT	
STE11_M00274	4.0911e-07	-----GAAAGAAA-- WNNNNAACAAAGAAANW	
Rim101p_M01030	1.6769e-06	TTTCTTTC TTNCTTG-	

HSF_M00163	6.0173e-06	-----TTTCTTTC- NTTCTNTTCTNTTC
HSF_M00164	6.0173e-06	-----TTTCTTTC- AGAANNTTCTNTTC



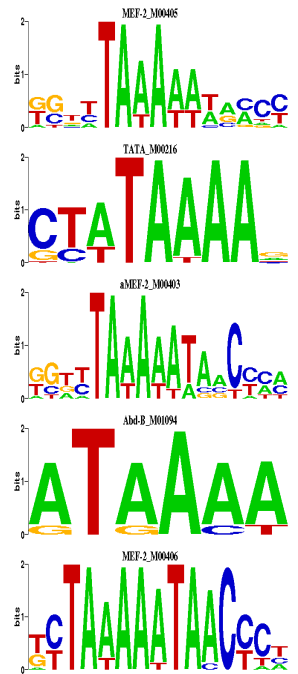
**M48**



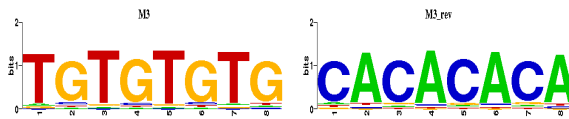
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MEF-2_M00405	2.5660e-06	-----TTTTAAAA- RGKNWTTTTTANN SM	
TATA_M00216	5.6765e-06	TTTTAAAA- CTATAAAN	
aMEF-2_M00403	1.7330e-05	-----TTTTAAAA- K KRGNTATTTTTARN CM	
Abd-B_M01094	2.5859e-05	TTTTAAAA TTTTAT--	
MEF-2_M00406	1.3394e-04	TTTTAAAA----- -KCTAAAAATAACCCN	





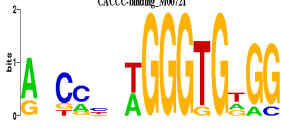


**M3**

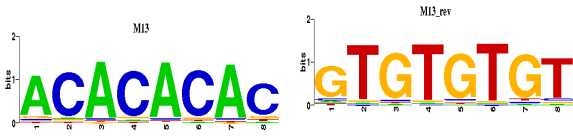


*forward*

*reverse compliment*





<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CACD_M01113	1.3626e-05	TGTGTGTG -GGGYGTG	
Hmx3_M00433	6.5420e-05	CACACACA- CACGCACTT	
HFH4_M00742	7.6851e-05	----CACACACA TAAACAAACAMW	
GBF_M00633	8.1968e-05	CACACACA NACCCNA	
CACCC-binding_M00721	8.4306e-05	-CACACACA----- CCNCACCCWNNKGNT	

**M13**



*forward*

*reverse complement*

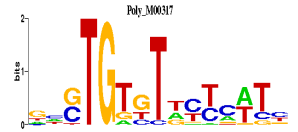
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HFH4_M00742	9.9095e-06	---ACACACAC- TAAACAAACAMW	
CACD_M01113	1.3648e-05	GTGTGTGT GGGYGTG-	
Hmx3_M00433	6.5216e-05	ACACACAC-- -CACGCACTT	
SMAD3_M00701	2.6986e-04	ACACACAC AGNCAGAC	



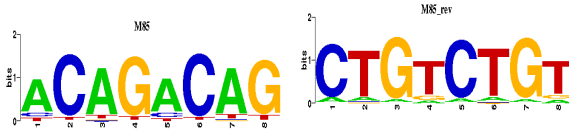
Poly\_M00317

6.0771e-04

--GTGTGTGT-----  
NNSGTGKTNYMWTN



**M85**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
TGIF_M00418	1.8308e-06	-ACAGACAG- WNNTGACAGC	
SMAD3_M00701	4.5538e-06	ACAGACAG-- --AGNCAGAC	
NRSF_M00256	2.0902e-05	----CTGTCTGT----- GSYGCTGTCCGTGGTGCTGA	
SMAD_M00974	3.3197e-05	CTGTCTGT-- NWGTCTGNNN	
SMAD4_M00733	1.0130e-04	--CTGTCTGT----- RGNTGKCTGNMYSN	

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