

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

Input file: 73 motifs loaded

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

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

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

[Download results as a PDF](#)

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

## Multiple Alignment

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

```

M0 :          ----TTTTTTTT--
M1 :          ----TTTAAAAA--
M2 :          ----CCTCCTCC--
M3 :          --TGTGTGTG---
M4 :          ----CTCCCTCC--
M5 :          --GGGCTGGG---
M6 :          ----CTTTCTCT--
M7 :          ----TTTCTTTC--
M8 :          ---CTTTTCTT--
M9 :          ---CCTTCCC--
M10 :         ---GGCTGGGG--
M11 :         --TTTCTTCT---
M12 :         --GCCCGCC---
M13 :         --TCTTTTCT---
M14 :         ----TTTTCCTT--
M15 :         ---CTCTGCCT--
M16 :         ----CTGCTCTG--
M17 :         GGAGGCTG-----
M18 :         --CCTCTCCC---
M19 :         ---CTCTGCAG--
M20 :         ----CCTGGGCT--
M21 :         ----CCTTCCTT--
M22 :         ---GGCGGCGG--

```

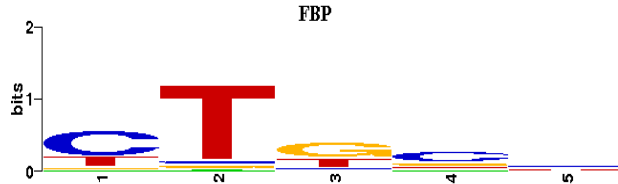
## Stamp Results

10/01/13

M23: ----CCTTCCCC-  
M24: ---CTCTTCCT--  
M25: -CTGCCTGC----  
M26: -CTTCCTTC----  
M27: -----CTGCCTCT  
M28: -----TTGTTTTG  
M29: ---CCTTTCCT--  
M30: --CTTTTTCT---  
M31: -----CTGGGGAG  
M32: ----TTGTTTTG-  
M33: --TTCCTCCT---  
M34: CTTTCCTG-----  
M35: ----CTTTCCCA-  
M36: CTCCTCCTG-----  
M37: -----CTCCCCCT  
M38: --GTTTTGTT---  
M39: ----TCTTCTTT-  
M40: -----CTGTCTCC  
M41: ---ATTTGCAT--  
M42: ATTTATTT-----  
M43: -----CTGTCCCT  
M44: ----CTTTCCTC-  
M45: -GGGTGTGG----  
M46: ---TTTTAAT--  
M47: AAATATTT-----  
M48: ---GGCTTCTG--  
M49: --GCTCTGGC---  
M50: -----CTTCCCAC  
M51: -----CTGAGGAA  
M52: ---CTCTGCCA--  
M53: -----CTGAGCTC  
M54: ----CCTCCTTT-  
M55: ----TCTGGGTG-  
M56: -GTCCCTGC----  
M57: -----CTGAAAGG  
M58: ---CTCTGGAA--  
M59: ---GGCTTTGT--  
M60: ----TTTTCCCC-  
M61: --CTTCTGCC---  
M62: ---TTCTGGGA--  
M63: ---TCCTGAGC--  
M64: GGACTCTG-----  
M65: -----CTGTTTCCT

M66: CTCACCTG-----  
 M67: --GGGTGGA---  
 M68: ----CCTGACCT-  
 M69: --AAGTTTCT---  
 M70: AGTTCCTG-----  
 M71: --TGTCTGGA---  
 M72: --CGCCTGCG---

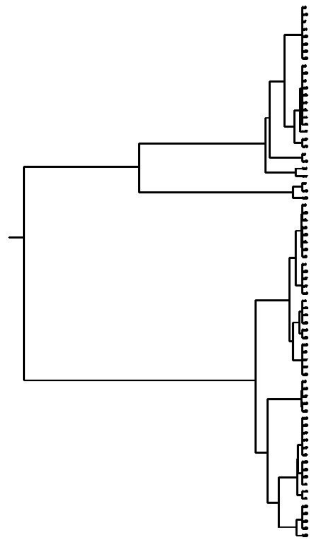
**Familial Profile:**  
[\(click for matrix\)](#)



## Motif Tree

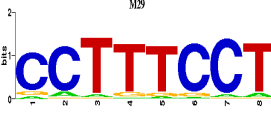







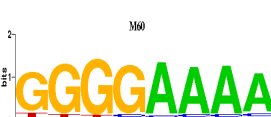




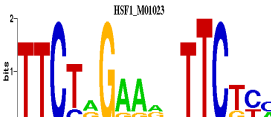


Tree (drawn by [Phylip](#))

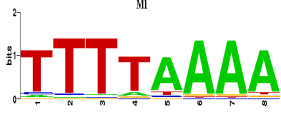
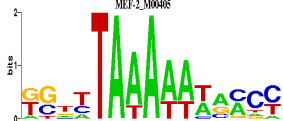
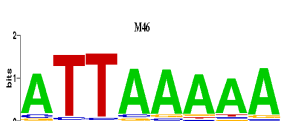
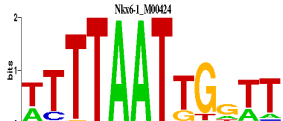



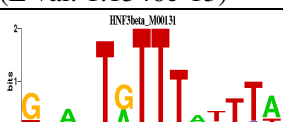


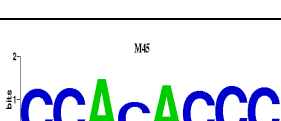
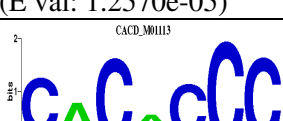
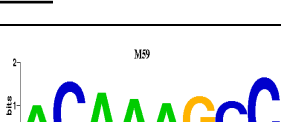
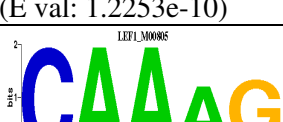


[Click here for Newick-format tree \(viewable with MEGA\)](#)

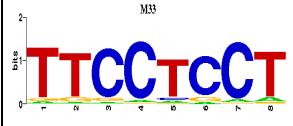

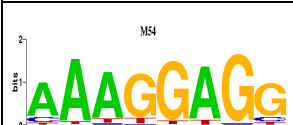



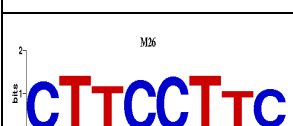




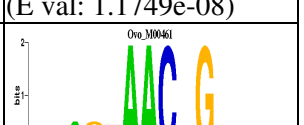

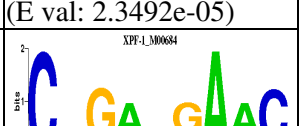




Input Motif	Best match in TRANSFAC
<p>M0</p>	<p>Hb_M00022 (E val: 1.0707e-06)</p>
<p>M42</p>	<p>Croc_M00266 (E val: 1.8558e-10)</p>
<p>M7</p>	<p>STE11_M01005 (E val: 2.2927e-08)</p>
<p>M11</p>	<p>Rim101p_M01030 (E val: 1.3211e-06)</p>

<p>M39</p>	<p>PEND_M01015</p>
<p>M28</p>	<p>HNF3alpha_M00724</p>
<p>M32</p>	<p>HFH4_M00742</p>
<p>M38</p>	<p>SRY_M00148</p>
<p>M6</p>	<p>PU.1_M00658</p>
<p>M30</p>	<p>dl_M00043</p>
<p>M8</p>	<p>HSF_M00163</p>
<p>M13</p>	<p>HSF_M00163</p>
<p></p>	<p></p>

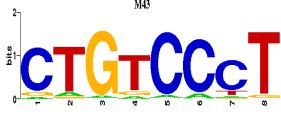

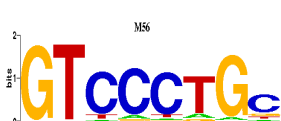



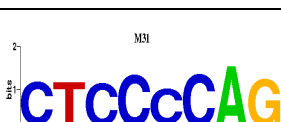
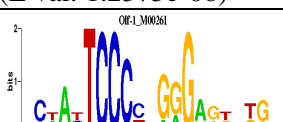
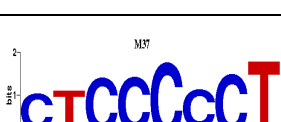






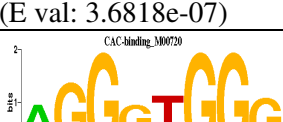
<p>M29</p>  <p>M29</p>	<p>PBF_M01130</p>  <p>PBF_M01130 (E val: 2.2403e-06)</p>
<p>M44</p>  <p>M44</p>	<p>PU.1_M00658</p>  <p>PU.1_M00658 (E val: 5.4944e-07)</p>
<p>M34</p>  <p>M34</p>	<p>STAT5B_M00459</p>  <p>STAT5B_M00459 (E val: 2.5592e-06)</p>
<p>M14</p>  <p>M14</p>	<p>Helios_M01004</p>  <p>Helios_M01004 (E val: 2.5511e-11)</p>
<p>M60</p>  <p>M60</p>	<p>dI_M00120</p>  <p>dI_M00120 (E val: 7.2089e-07)</p>
<p>M57</p>  <p>M57</p>	<p>PBF_M01130</p>  <p>PBF_M01130 (E val: 2.2572e-06)</p>
<p>M69</p>  <p>M69</p>	<p>HSF1_M01023</p>  <p>HSF1_M01023 (E val: 6.7182e-08)</p>
<p>M70</p>  <p>M70</p>	<p>Tel-2_M00678</p>  <p>Tel-2_M00678 (E val: 8.5803e-08)</p>

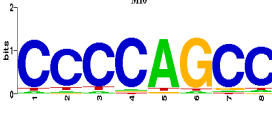

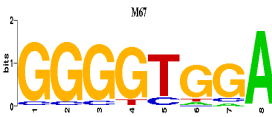

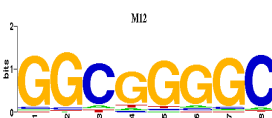











<p>M1</p>  <p>M1</p>	<p>MEF-2_M00405</p>  <p>MEF-2_M00405 (E val: 2.5487e-06)</p>
<p>M46</p>  <p>M46</p>	<p>Nkx6-1_M00424</p>  <p>Nkx6-1_M00424 (E val: 2.1590e-07)</p>
<p>M41</p>  <p>M41</p>	<p>Oct-1_M00342</p>  <p>Oct-1_M00342 (E val: 1.1546e-13)</p>
<p>M47</p>  <p>M47</p>	<p>HNF3beta_M00131</p>  <p>HNF3beta_M00131 (E val: 6.8846e-09)</p>
<p>M3</p>  <p>M3</p>	<p>CACD_M01113</p>  <p>CACD_M01113 (E val: 1.2570e-05)</p>
<p>M45</p>  <p>M45</p>	<p>CACD_M01113</p>  <p>CACD_M01113 (E val: 1.2253e-10)</p>
<p>M59</p>  <p>M59</p>	<p>LEF1_M00805</p>  <p>LEF1_M00805 (E val: 1.9306e-06)</p>
<p>M2</p>  <p>M2</p>	<p>UF1H3BETA_M01068</p>  <p>UF1H3BETA_M01068 (E val: 3.2815e-06)</p>
<p></p>	<p></p>

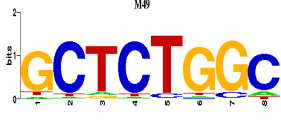




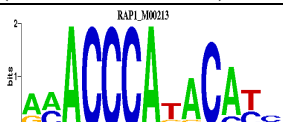

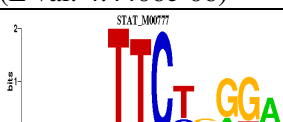

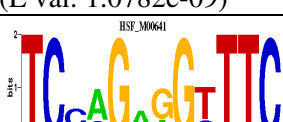
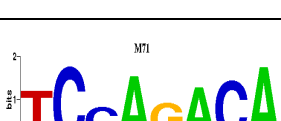
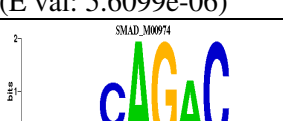

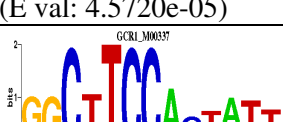


<p>M33</p>  <p>M33</p>	<p>PU.1_M00658</p>  <p>PU.1_M00658 (E val: 3.1911e-07)</p>
<p>M54</p>  <p>M54</p>	<p>PBF_M01130</p>  <p>PBF_M01130 (E val: 2.7774e-06)</p>
<p>M21</p>  <p>M21</p>	<p>Ets_M00971</p>  <p>Ets_M00971 (E val: 2.9655e-07)</p>
<p>M26</p>  <p>M26</p>	<p>MAF_M00648</p>  <p>MAF_M00648 (E val: 3.0491e-07)</p>
<p>M24</p>  <p>M24</p>	<p>Nrf-2_M00108</p>  <p>Nrf-2_M00108 (E val: 1.1749e-08)</p>
<p>M65</p>  <p>M65</p>	<p>Ovo_M00461</p>  <p>Ovo_M00461 (E val: 2.3492e-05)</p>
<p>M51</p>  <p>M51</p>	<p>XPF-1_M00684</p>  <p>XPF-1_M00684 (E val: 2.4665e-07)</p>
<p>M4</p>  <p>M4</p>	<p>TFII-I_M00706</p>  <p>TFII-I_M00706 (E val: 1.0691e-08)</p>

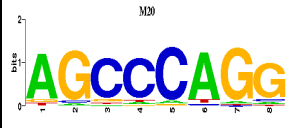
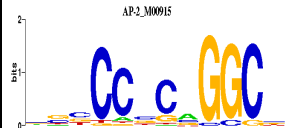
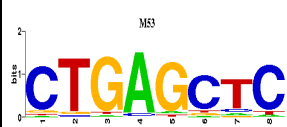

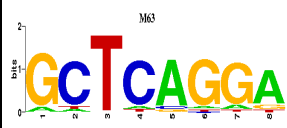

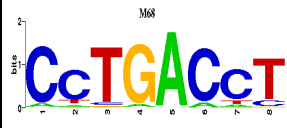

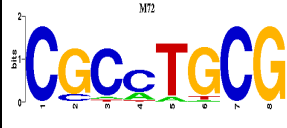
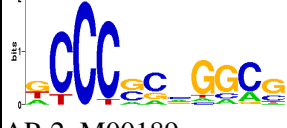
<p>M25</p>	<p>Adf-1_M00923 (E val: 2.2261e-06)</p>
<p>M27</p>	<p>PU.1_M00658 (E val: 8.1946e-06)</p>
<p>M17</p>	<p>SMAD4_M00733 (E val: 3.6011e-05)</p>
<p>M40</p>	<p>ARF_M00438 (E val: 2.2959e-07)</p>
<p>M9</p>	<p>UF1H3BETA_M01068 (E val: 2.9118e-07)</p>
<p>M23</p>	<p>UF1H3BETA_M01068 (E val: 4.7776e-07)</p>
<p>M35</p>	<p>RBP-Jkappa_M01112 (E val: 2.1524e-07)</p>
<p>M50</p>	<p>RBP-Jkappa_M01112 (E val: 1.1601e-08)</p>



 <p><b>M43</b></p>	 <p><b>BLIMP1_M01066</b> (E val: 6.9001e-06)</p>
 <p><b>M56</b></p>	 <p><b>Ttk_M00009</b> (E val: 2.2377e-04)</p>
 <p><b>M18</b></p>	 <p><b>MAZ_M00649</b> (E val: 1.2375e-06)</p>
 <p><b>M31</b></p>	 <p><b>Olf-1_M00261</b> (E val: 4.6231e-07)</p>
 <p><b>M37</b></p>	 <p><b>MZF1_M00084</b> (E val: 5.9045e-07)</p>
 <p><b>M36</b></p>	 <p><b>Ttk_M00009</b> (E val: 1.1113e-04)</p>
 <p><b>M66</b></p>	 <p><b>AREB6_M00412</b> (E val: 3.6818e-07)</p>
 <p><b>M5</b></p>	 <p><b>CAC-binding_M00720</b> (E val: 7.2480e-09)</p>

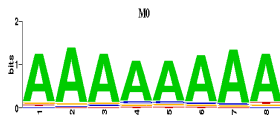
<p>M10</p>  <p>M10</p>	<p>CAC-binding_M00720</p>  <p>CAC-binding_M00720 (E val: 2.8932e-07)</p>
<p>M67</p>  <p>M67</p>	<p>Zic2_M00449</p>  <p>Zic2_M00449 (E val: 1.7040e-06)</p>
<p>M12</p>  <p>M12</p>	<p>GC_M00255</p>  <p>GC_M00255 (E val: 1.5564e-10)</p>
<p>M22</p>  <p>M22</p>	<p>ERF2_M01057</p>  <p>ERF2_M01057 (E val: 4.8420e-09)</p>
<p>M15</p>  <p>M15</p>	<p>Dde_M00304</p>  <p>Dde_M00304 (E val: 3.3475e-06)</p>
<p>M52</p>  <p>M52</p>	<p>Dde_M00304</p>  <p>Dde_M00304 (E val: 8.0692e-06)</p>
<p>M19</p>  <p>M19</p>	<p>LMAF_M01139</p>  <p>LMAF_M01139 (E val: 8.2714e-06)</p>
<p>M16</p>  <p>M16</p>	<p>HSF_M00167</p>  <p>HSF_M00167 (E val: 7.0696e-06)</p>

<p>M49</p>  <p>M49</p>	<p>BRK_M01096</p>  <p>BRK_M01096 (E val: 2.3735e-05)</p>
<p>M64</p>  <p>M64</p>	<p>NF-kappaB_M00208</p>  <p>NF-kappaB_M00208 (E val: 5.7873e-05)</p>
<p>M55</p>  <p>M55</p>	<p>RAP1_M00213</p>  <p>RAP1_M00213 (E val: 4.4406e-06)</p>
<p>M62</p>  <p>M62</p>	<p>STAT_M00777</p>  <p>STAT_M00777 (E val: 1.0782e-09)</p>
<p>M58</p>  <p>M58</p>	<p>HSF_M00641</p>  <p>HSF_M00641 (E val: 5.6099e-06)</p>
<p>M71</p>  <p>M71</p>	<p>SMAD_M00974</p>  <p>SMAD_M00974 (E val: 4.5720e-05)</p>
<p>M48</p>  <p>M48</p>	<p>GCR1_M00337</p>  <p>GCR1_M00337 (E val: 3.2823e-04)</p>
<p>M61</p>  <p>M61</p>	<p>TAL1_M00993</p>  <p>TAL1_M00993 (E val: 1.6731e-04)</p>

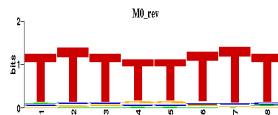
 <p><b>M20</b></p>	 <p><b>AP-2_M00915</b> (E val: 2.8080e-04)</p>
 <p><b>M53</b></p>	 <p><b>Dde_M00304</b> (E val: 2.9213e-06)</p>
 <p><b>M63</b></p>	 <p><b>Dde_M00304</b> (E val: 3.2802e-06)</p>
 <p><b>M68</b></p>	 <p><b>MEF-3_M00319</b> (E val: 5.1845e-07)</p>
 <p><b>M72</b></p>	 <p><b>AP-2_M00189</b> (E val: 4.8392e-07)</p>

### Motif Similarity Matches



**M0**



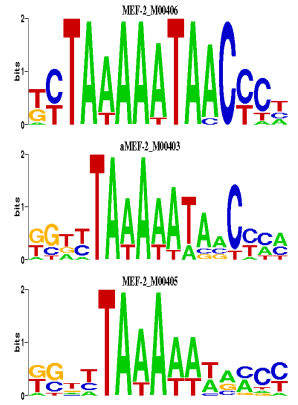
*forward*



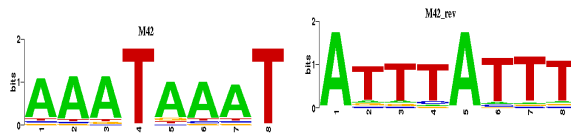
*reverse compliment*

Name	E value	Alignment	Motif
Hb_M00022	1.0707e-06	-TTTTTTTT NTTTTTNYK	
MEF-2_M00006	2.2273e-06	---TTTTTTTT--- RGRGTTATTTTTAGA	

MEF-2_M00406	2.9223e-06	---AAAAAAAA--- KCTAAAATAACCCN
aMEF-2_M00403	4.2420e-06	----TTTTTTTT--- KARGNTATTTTTARNCM
MEF-2_M00405	5.1483e-06	--TTTTTTTT--- RGKNWTTTTTANNSM



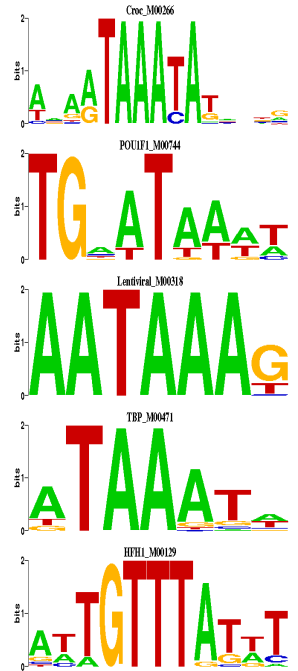
**M42**



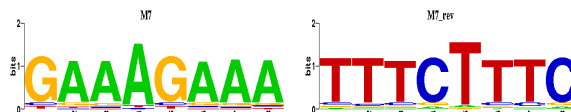
*forward*






*reverse compliment*

Name	E value	Alignment	Motif
Croc_M00266	1.8558e-10	-----ATTTATTT- NNNNMTATTTATNT	
POU1F1_M00744	9.0029e-08	ATTTATTT- WWTATNCA	
Lentiviral_M00318	1.4739e-07	ATTTATTT CTTTATT-	
TBP_M00471	1.7833e-07	AAATAAAT- --ATAAATW	
HFH1_M00129	2.1989e-07	---ATTTATTT AWTGTTTATWT	

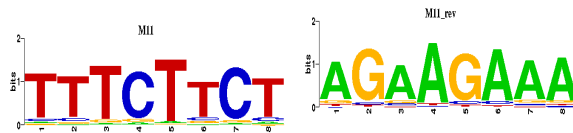





**M7**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STE11_M01005	2.2927e-08	TTTCTTTC--- TTTCTTTGTC	
STE11_M00274	4.1175e-07	-----GAAAGAAA-- WNNNNAACAAAGAAANW	
Rim101p_M01030	1.7127e-06	TTTCTTTC TTNCTTG-	
HSF_M00163	5.5539e-06	-----TTTCTTTC- NTTCTNTTCTNTTC	
HSF_M00164	5.5539e-06	-----TTTCTTTC- AGAANNTTCTNTTC	

**M11**

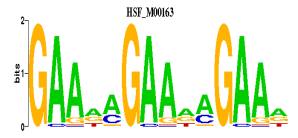


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Rim101p_M01030	1.3211e-06	TTTCTTCT TTNCTTG-	
Elf-1_M00746	8.3456e-06	-TTTCTTCT-- AYTTCCTCTTN	
STE11_M01005	2.7897e-05	TTTCTTCT--- TTTCTTTGTC	

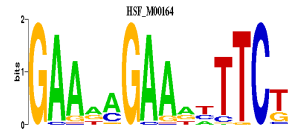
Stamp Results

10/01/13

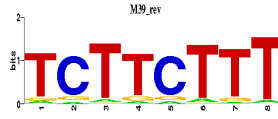
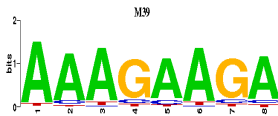
HSF\_M00163 3.3331e-05 -AGAAGAAA-----  
GAANAGAANAGAAN



HSF\_M00164 3.3331e-05 -AGAAGAAA-----  
GAANAGAANNTTCT



M39



*forward*

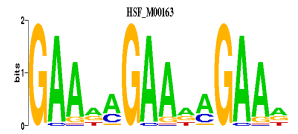
*reverse compliment*

*Name E value Alignment Motif*

PEND\_M01015 3.8117e-07 AAAGAAGA  
-AAGAAGT



HSF\_M00163 3.1323e-06 ----TCTTCTTT--  
NTTCTNTTCTNTTC



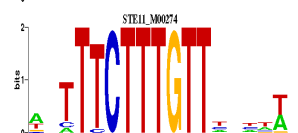
PR\_M00960 8.5919e-06 AAAGAAGA-  
WNGRACAN



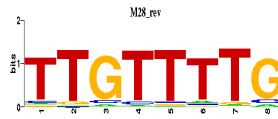
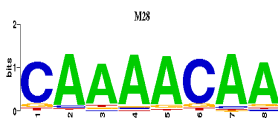
STE11\_M01005 2.8362e-05 ----AAAGAAGA  
GAACAAAGAAA-



STE11\_M00274 2.4395e-04 -----AAAGAAGA-  
WNNNAACAAAGAAANW



M28

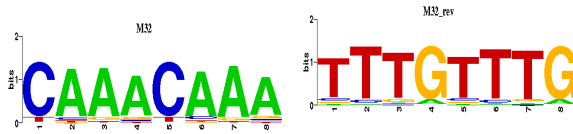


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HNF3alpha_M00724	3.7195e-06	--TTGTTTTG RTTTGYTYWN	
SOX_M01014	6.3726e-06	---TTGTTTTG- TCTTTGTTANGN	
FOXO3A_M01137	2.3166e-05	---TTGTTTTG NNNTTGTITAY	
FAC1_M00456	3.4291e-05	---TTGTTTTG-- NNNNTGTTKTGNN	
Elf-1_M00110	3.7634e-05	---CAAACAA---- NNNNNANACCNNNNN	

**M32**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HFH4_M00742	4.6425e-08	TTTGTITG---- WKIGTTTTGTTTA	
STE11_M01005	4.2846e-07	TTTGTITG--- TTTCTTTGTTT	
HNF3alpha_M00724	5.2904e-07	-CAAACAAA- NWRARCAAA	
SRY_M00148	6.4579e-07	TTTGTITG KNTGTT--	

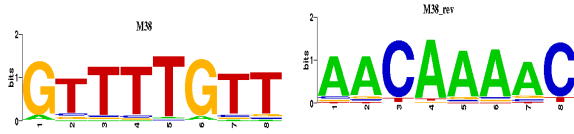


FOXD3\_M00130 7.8116e-07

CAAACAAA-----  
-AAANAAACAWT



**M38**

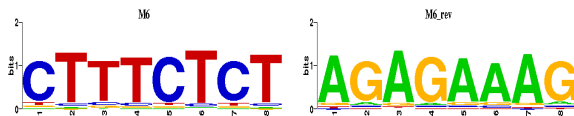


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
SRY_M00148	4.1730e-07	GTTTGT --KNTGT	
BR-C_M00091	1.7975e-06	-----AACAAAAC-- NNTNATARACAARWNNN	
Retroviral_M00212	3.8242e-06	AACAAAAC----- AATAAANCYYYYYNCTN	
HSF_M00167	4.7272e-06	-----GTTTGT-- NTTCNNTTCNNTTC	
HSF_M00168	4.7272e-06	-----GTTTGT-- NGAANNNTTCNNTTC	

**M6**



*forward*

*reverse compliment*

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

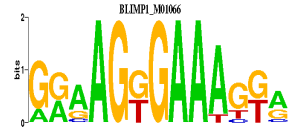
PU.1\_M00658 4.0515e-06

CTTTCTCT  
CTTCCTC-



BLIMP1\_M01066 5.7849e-06

--CTTTCTCT--  
YMCTTTCMCTTYC



Elf-1\_M00746 6.3182e-06

-CTTTCTCT--  
AYTTCCTCTTN



BPC1\_M01126 1.1659e-05

CTTTCTCT  
NTTTC---

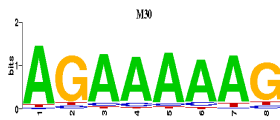


IRF\_M00972 3.4156e-05

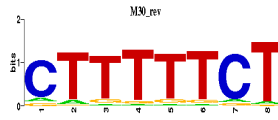
--AGAGAAAG  
AAANWGAAAN



**M30**



*forward*



*reverse compliment*

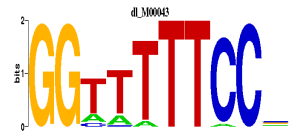
*Name E value*

*Alignment*

*Motif*

dl\_M00043 1.8017e-05

-CTTTTTCT-  
GGTTTTCCN



Dof\_M01136 3.3399e-05

---CTTTTTCT  
NNNCTTTTTN-



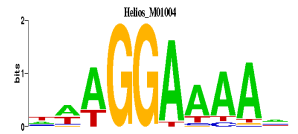
dl\_M00120 1.8558e-04

-CTTTTTCT-  
NGNTTTCYC



Helios\_M01004 2.0474e-04

CTTTTTCT--  
NTTTCCTWN

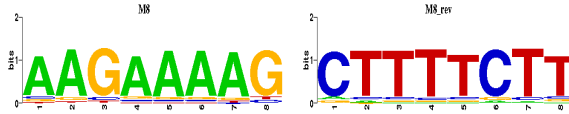


Abd-B\_M01094 2.1361e-04

CTTTTCT  
--TTTTAT



**M8**

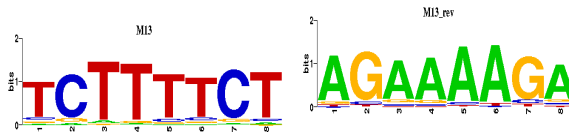


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
HSF_M00163	8.3636e-09	---AAGAAAAG--- GAANAGAANAGAAN	
Rim101p_M01030	1.6310e-06	-AAGAAAAG CAAGNAA--	
HSF_M00166	2.8808e-06	---AAGAAAAG--- TTCTAGAANAGAAN	
Evi-1_M00078	7.3563e-06	---AAGAAAAG--- GAYAAGATAAGATAA	
Evi-1_M00011	1.7528e-05	-AAGAAAAG CAAGATAA-	

**M13**



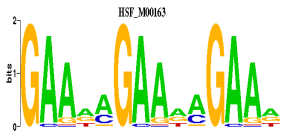




*forward*

*reverse compliment*

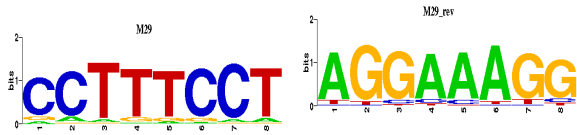
Name	E value	Alignment	Motif
------	---------	-----------	-------

Stamp Results

10/01/13





HSF_M00163	1.3975e-09	--TCTTTTCT---- NTTCTNTTCTNTTC	
HSF_M00166	1.3975e-09	--TCTTTTCT---- NTTCTNTTCTAGAA	
GATA-2_M00349	1.6650e-07	TCTTTTCT- TNTTATCTS	
GATA-3_M00350	2.8226e-07	TCTTTTCT- TNTTATCTY	
HSF_M00167	3.4677e-07	--TCTTTTCT---- NTTCTNTTCTNTTC	

M29



*forward*

*reverse compliment*

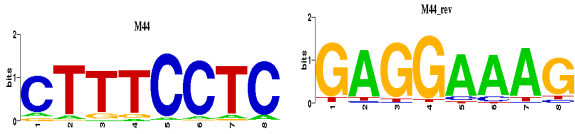
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PBF_M01130	2.2403e-06	CCTTTCCT CCTTT---	
BLIMP1_M01066	4.7179e-06	-CCTTTCCT---- YMCTTTCMCTTYC	
Helios_M01004	2.1584e-05	CCTTTCCT-- NTTTTCCTWN	
BPC1_M01126	2.3327e-05	CCTTTCCT -NTTTC--	

NF-kappaB\_M00208 1.7302e-04

AGGAAAGG---  
 NNGAAARTCCC



**M44**

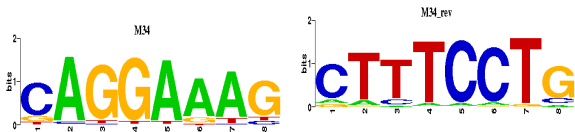


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	5.4944e-07	CTTTCCTC -CTTCCTC	
Elf-1_M00746	1.6221e-06	CTTTCCTC--- AYTTCCTCTTN	
Helios_M01004	2.2304e-05	-CTTTCCTC- NTTTTCCTWN	
GCR1_M00046	2.3492e-05	GAGGAAAG GWGGAAGC	
BPC1_M01126	2.8223e-05	CTTTCCTC NTTTC---	

**M34**



*forward*

*reverse compliment*

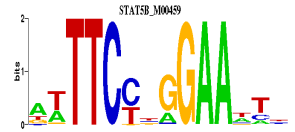
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
-------------	----------------	------------------	--------------

Stamp Results

10/01/13

STAT5B\_M00459 2.5592e-06

-----CAGGAAAG  
NRNTTCCNGGAAWN



Tel-2\_M00678 6.5729e-06

CAGGAAAG-  
CAGGAAGTA



AREB6\_M00412 2.0514e-05

---CAGGAAAG-  
RNWCAGGTRNRN



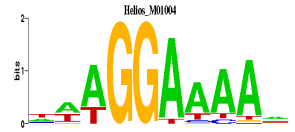
STAT5A\_M00457 2.3058e-05

-CTTTCCTG-----  
NRNTTCCNRGAANY

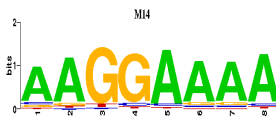


Helios\_M01004 2.7941e-05

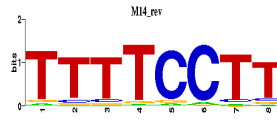
-CTTTCCTG-  
NTTTCCTWN



**M14**



*forward*



*reverse compliment*

*Name*

*E value*

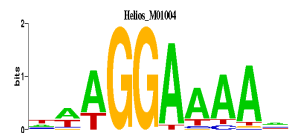
*Alignment*

*Motif*

Helios\_M01004

2.5511e-11

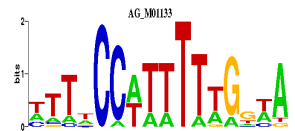
-TTTTCCTT-  
NTTTCCTWN



AG\_M01133

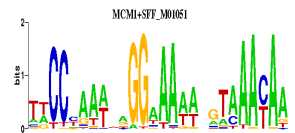
3.3845e-07

-----AAGGAAAA  
TWNCAAAAAWGGNAAN



MCM1+SFF\_M01051 5.7290e-06

-----TTTTCCTT-----  
TTRTTTANNWTWTNCCNNWTTNGNA



BLIMP1\_M01066

1.1152e-05

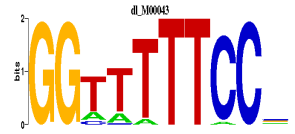
--AAGGAAAA--  
GRAAGKGAAGKR



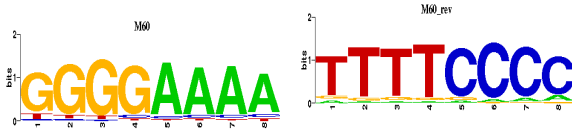
dl\_M00043

1.5486e-05

AAGGAAAA---  
-NGGAAAAACC



**M60**



*forward*

*reverse compliment*

*Name E value Alignment Motif*

dl\_M00120

7.2089e-07

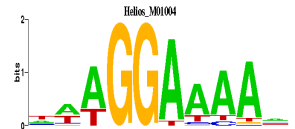
---TTTTCCCC  
NGNTTTCYC-



Helios\_M01004

1.4587e-05

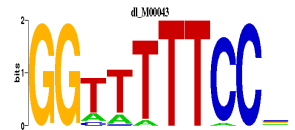
-TTTTCCCC-  
NTTTCCTWN



dl\_M00043

1.5287e-05

GGGGAAAA---  
-NGGAAAAACC



E2F\_M01114

4.7112e-05

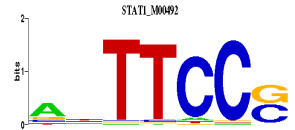
--GGGGAAAA  
NGCGGAAAN



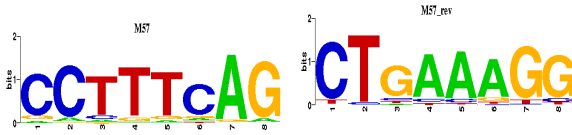
STAT1\_M00492

4.9068e-05

TTTTCCCC  
ANTTCCS-



**M57**



*forward*

*reverse compliment*

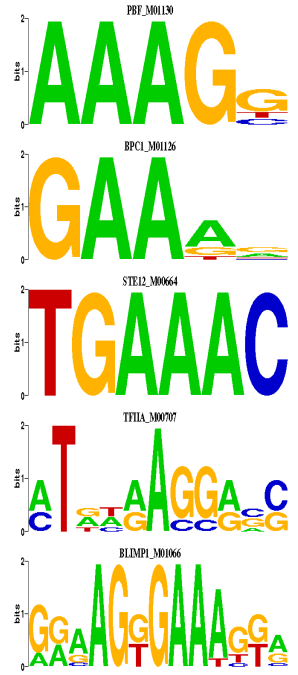
*Name*

*E value*

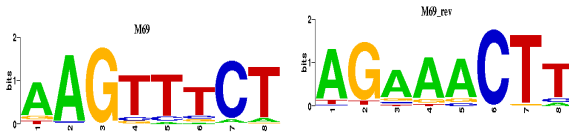
*Alignment*

*Motif*

PBF_M01130	2.2572e-06	CCTTTCAG CCTTT---
BPC1_M01126	1.6680e-05	CCTTTCAG -NTTTC--
STE12_M00664	1.8677e-05	CCTTTCAG -GTTCA-
TFIIA_M00707	1.9888e-05	---CCTTTCAG SNYCCTYNNAK
BLIMP1_M01066	3.5595e-05	-CCTTTCAG---- YMCTTTCMCTTYC



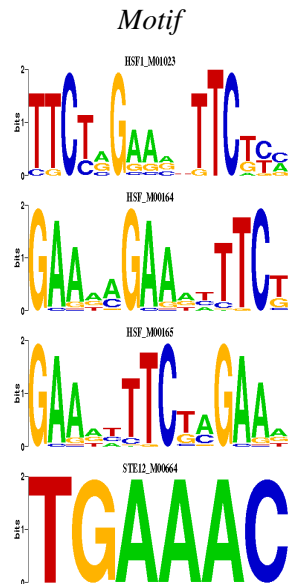
**M69**



*forward*

*reverse compliment*

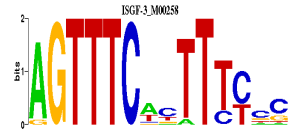
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
HSF1_M01023	6.7182e-08	-----AAGTTTCT-- TTCTRGAANNTTCTYM
HSF_M00164	7.8915e-07	--AAGTTTCT---- AGAANNTTCTNTTC
HSF_M00165	7.8915e-07	-AAGTTTCT----- GAANNTTCTAGAAN
STE12_M00664	1.9098e-05	AAGTTTCT --GTTTCA



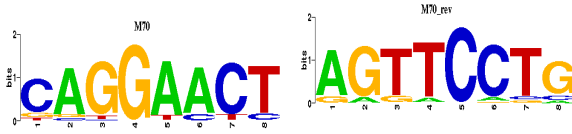


ISGF-3\_M00258 2.2682e-05

-----AGAAACTT  
GNGAAANWGAAACT-



**M70**

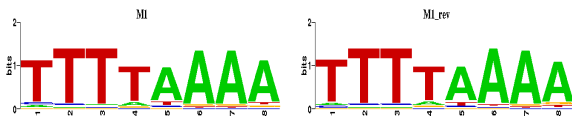


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
Tel-2_M00678	8.5803e-08	CAGGAACT- CAGGAAGTA	
Pax-6_M00979	2.4512e-06	-AGTTCCTG---- KAGTTCAGGTCA	
c-Ets-2_M00340	1.1007e-05	-CAGGAACT---- RCAGGAAGTNNNT	
c-Ets-1_M00339	1.3075e-05	-----AGTTCCTG NNMNNNACTTCTG	
NERF1a_M00531	1.6729e-05	-----AGTTCCTG-- SNNASNYRCTTCTGNY	

**M1**



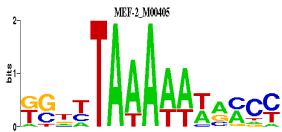

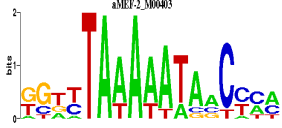


*forward*

*reverse compliment*

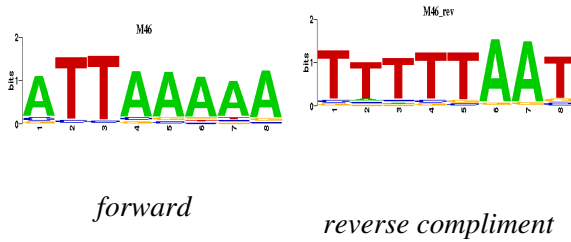
Name	E value	Alignment	Motif
------	---------	-----------	-------

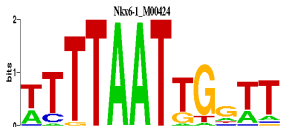

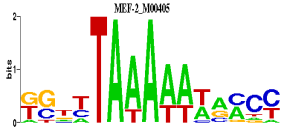

Stamp Results

10/01/13

MEF-2_M00405	2.5487e-06	-TTTTAAAA----- KSNNTAAAAAWNMCY	
TATA_M00216	5.5845e-06	-TTTTAAAA NTTTTATAG	
aMEF-2_M00403	1.7258e-05	-TTTTAAAA----- KGNVTAAAAATANCYMM	
Abd-B_M01094	2.5011e-05	TTTTAAAA TTTTAT--	
MEF-2_M00406	1.3252e-04	TTTTAAAA----- -KCTAAAAATAACCCN	

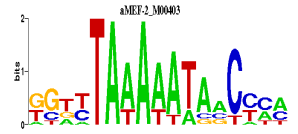
M46



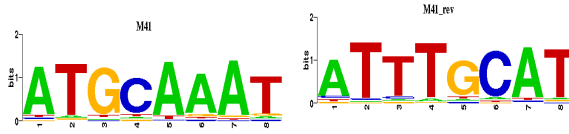
Name	E value	Alignment	Motif
Nkx6-1_M00424	2.1590e-07	TTTTTAAT----- -WTTTAATTGNTT	
unc-86_M00689	2.4047e-07	-TTTTTAAT ATTTYKWAT	
MEF-2_M00405	4.5134e-06	-----TTTTTAAT-- RGKNWTTTTTANNSM	
D-Type_M00334	5.1880e-06	TTTTTAAT-- -GTTTAATGG	

aMEF-2\_M00403 5.9873e-06

-----TTTTTAAT--  
K K R G N T A T T T T T A R N C M



**M41**



*forward*

*reverse compliment*

*Name E value Alignment Motif*

Oct-1\_M00342 1.1546e-13

ATGCAAAT-  
ATGCAAATN



Octamer\_M00795 1.1670e-12

-ATGCAAAT-  
NATGCAAATN



Oct-1\_M00930 1.2070e-12

-ATTTGCAT-  
NATTTNCATN



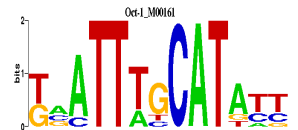
OCT-x\_M00210 1.0006e-11

--ATGCAAAT--  
RTATGCAAATNA

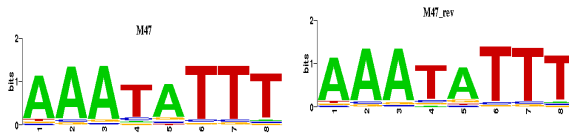


Oct-1\_M00161 2.9048e-11

---ATGCAAAT--  
RRTATGCAAATNM



**M47**



*forward*

*reverse compliment*

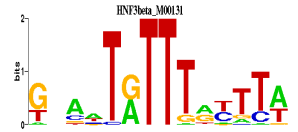
*Name E value Alignment Motif*

Stamp Results

10/01/13

HNF3beta\_M00131 6.8846e-09

-AAATATTT-----  
GNANTRTTTTRYTTW



FOXJ2\_M00423 1.5015e-07

---AAATATTT--  
YMATAATATTTKN



ATHB-5\_M00503 2.0977e-05

AAATATTT  
CAATNATT



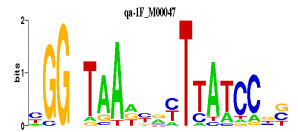
XFD-1\_M00267 1.4267e-04

-AAATATTT-----  
RYWWTATTTTACWT

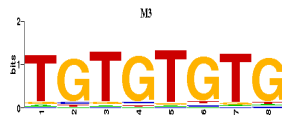


qa-1F\_M00047 1.9854e-04

-----AAATATTT-----  
NGGNTAANNYYTTATCCNN



M3



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

CACD\_M01113

1.2570e-05

TGTGTGTG  
-GGGYGTG



Hmx3\_M00433

6.2953e-05

CACACACA-  
CACGCACTT



HFH4\_M00742

7.7428e-05

----CACACACA  
TAAACAAACAMW



GBF\_M00633

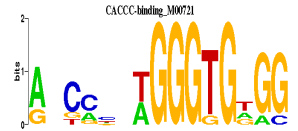
8.0522e-05

TGTGTGTG  
TNGGGGTN

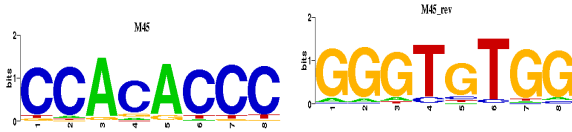


CACCC-binding\_M00721 8.5990e-05

-CACACACA-----  
CCNCACCCWNNKGNT



**M45**



*forward*

*reverse compliment*

*Name*                      *E value*                      *Alignment*                      *Motif*

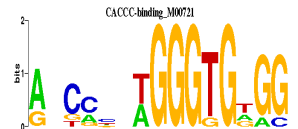
CACD\_M01113                      1.2253e-10

CCACACCC  
-CACRCCC



CACCC-binding\_M00721                      2.1501e-09

CCACACCC-----  
CCNCACCCWNNKGNT



Alfin1\_M00479                      4.7869e-06

---CCACACCC---  
MNNCCCCACNYNYN



TBX5\_M01044                      5.3344e-06

-GGGTGTGG  
AAGGTGTGA

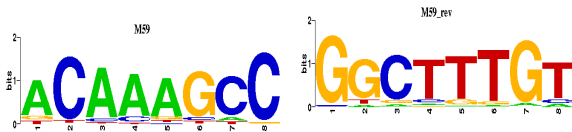


GBF\_M00633                      9.6491e-06

CCACACCC-  
-NACCCNA



**M59**



*forward*

*reverse compliment*

*Name*                      *E value*                      *Alignment*                      *Motif*

LEF1\_M00805                      1.9306e-06

GGCTTTGT  
--CTTTG-



Stamp Results

10/01/13

STE11\_M01005 2.8342e-05

-GGCTTTGT--  
TTTCTTTGTTC



SOX\_M01014 5.8774e-05

-----ACAAAGCC  
NCNTAACAAAGA-



Elf-1\_M00110 2.1770e-04

--ACAAAGCC-----  
NNNNNANACNNNNN

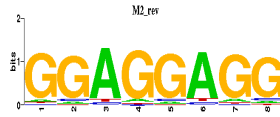
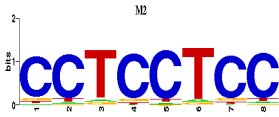


TCF-4\_M00671 2.2234e-04

-ACAAAGCC  
WTCAAAG--



M2



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

UF1H3BETA\_M01068 3.2815e-06

---CCTCCTCC--  
GCCCCTCCCCRC



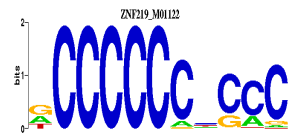
PU.1\_M00658 3.8115e-06

CCTCCTCC  
CTTCCTC-



ZNF219\_M01122 2.9825e-05

-GGAGGAGG--  
GGGNGGGGGGN



ROM\_M00700 6.0637e-05

GGAGGAGG  
TGASGTGG



Nrf-2\_M00108 1.5979e-04

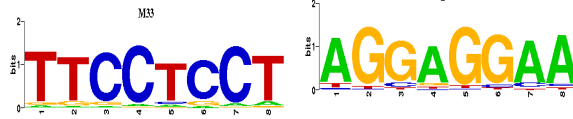
CCTCCTCC--  
-SNCTTCCGG



Stamp Results

10/01/13

M33

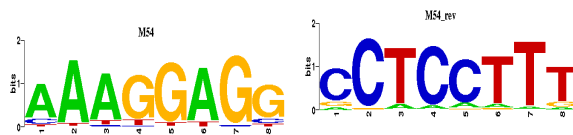


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	3.1911e-07	-TTCCTCCT CTTCCTC--	
Elf-1_M00746	1.3770e-06	--TTCCTCCT- AYTTCCTCTTN	
MZF1_M00084	1.7841e-06	TTCCTCCT---- TTNCCCCTCNNN	
GCR1_M00046	2.6769e-05	AGGAGGAA-- --GWGGAAGC	
CAT8_M00732	4.2095e-05	AGGAGGAA-- -GGNNAATG	

M54



*forward*

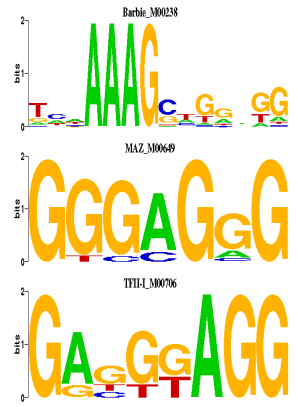
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PBF_M01130	2.7774e-06	CCTCCTTT ---CCTTT	
TFIIA_M00707	3.3180e-05	CCTCCTTT--- SNYCCTYNNAK	

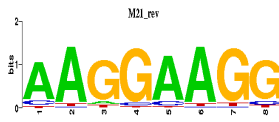
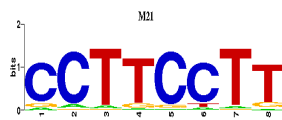
Stamp Results

10/01/13

Barbie_M00238	1.0900e-04	---CCTCCTTT--- CMNNCNSCTTTNNN
MAZ_M00649	2.7766e-04	-CCTCCTTT CCCTCCC--
TFII-I_M00706	4.7824e-04	CCTCCTTT CCTMCNTC



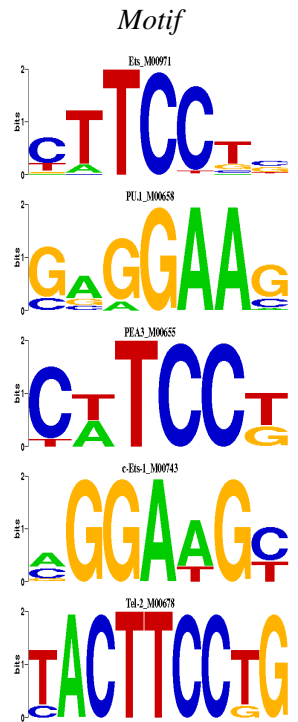
M21



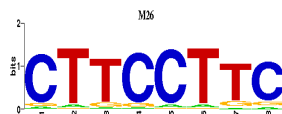
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Ets_M00971	2.9655e-07	AAGGAAGG NAGGAAG-
PU.1_M00658	4.2254e-07	AAGGAAGG GAGGAAG-
PEA3_M00655	1.0554e-06	AAGGAAGG -MGGAWG-
c-Ets-1_M00743	1.9871e-06	CCTTCCTT GCTTCK-
Tel-2_M00678	6.5330e-06	-CCTTCCTT TACTTCTG

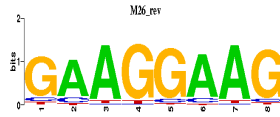


M26



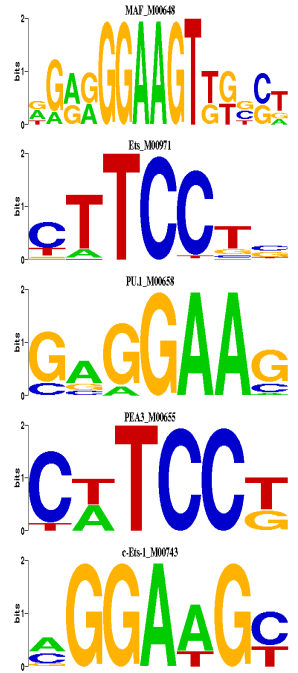


*forward*

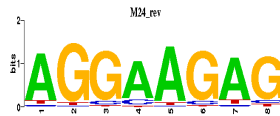
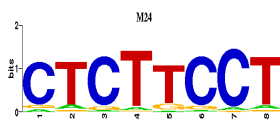


*reverse compliment*

Name	E value	Alignment
MAF_M00648	3.0491e-07	-GAAGGAAG----- NGRRGGAAGTKKNSN
Ets_M00971	3.1119e-07	CTTCCTTC CTTCCTN-
PU.1_M00658	4.3002e-07	CTTCCTTC CTTCCTC-
PEA3_M00655	1.1002e-06	GAAGGAAG --MGGAWG
c-Ets-1_M00743	2.0575e-06	-CTTCCTTC GCTTCCK--



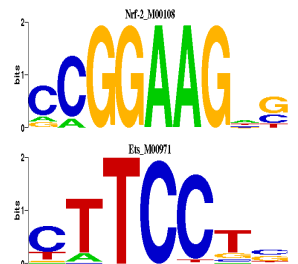
**M24**



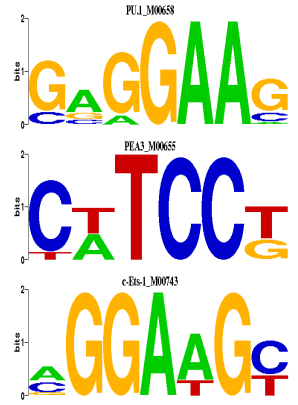
*forward*

*reverse compliment*

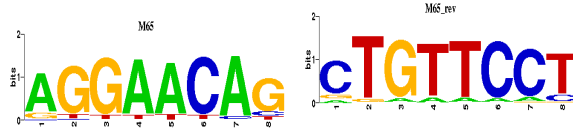
Name	E value	Alignment
Nrf-2_M00108	1.1749e-08	-AGGAAGAG CCGGAAGNS
Ets_M00971	3.2299e-07	CTCTTCCT- --CTTCCTN



PU.1_M00658	4.3715e-07	CTCTTCCT- --CTTCCTC
PEA3_M00655	1.1063e-06	AGGAAGAG MGGAWG--
c-Ets-1_M00743	2.1644e-06	CTCTTCCT -GCTTCCK



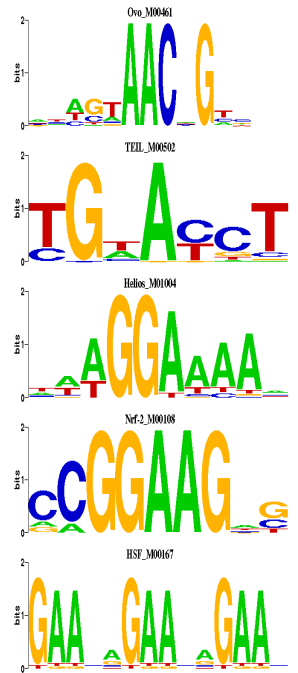
**M65**



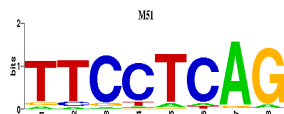
*forward*

*reverse complement*

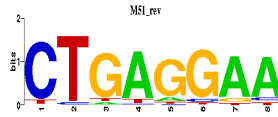
Name	E value	Alignment
Ovo_M00461	2.3492e-05	----CTGTTCT-- NNNNCGTTACWNN
TEIL_M00502	5.5846e-05	AGGAACAG AGRTWCA-
Helios_M01004	1.7184e-04	CTGTTCT-- NTTTTCTWN
Nrf-2_M00108	1.8914e-04	-AGGAACAG CCGGAAGNS
HSF_M00167	1.9338e-04	GAACAG----- GAANNGAANNGAAN



**M51**



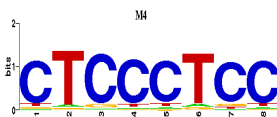
*forward*



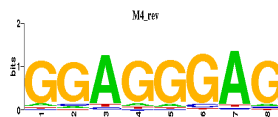
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
XPF-1_M00684	2.4665e-07	-TTCCTCAG GKTSNYCNG	
PU.1_M00658	4.9689e-07	CTGAGGAA- --GAGGAAG	
GCR1_M00046	2.3758e-05	CTGAGGAA-- --GWGGAAGC	
Elf-1_M00746	5.5849e-05	--TTCCTCAG- AYTTCCTCTTN	
Ets_M00971	2.1837e-04	CTGAGGAA- --NAGGAAG	

**M4**



*forward*



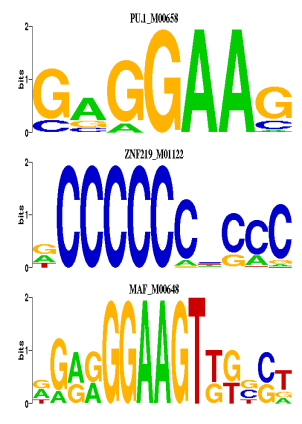
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
TFII-I_M00706	1.0691e-08	GGAGGGAG- -GANGKAGG	
MAZ_M00649	2.0769e-07	CTCCCTCC- --CCCTCCC	

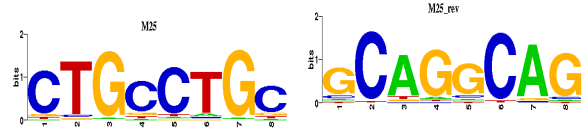
Stamp Results

10/01/13

PU.1_M00658	8.2995e-06	CTCCCTCC CTTCCTC-
ZNF219_M01122	2.7024e-05	-GGAGGGAG-- GGNGGGGGGN
MAF_M00648	8.6686e-05	-----CTCCCTCC NSNMMACTTCCYYCN



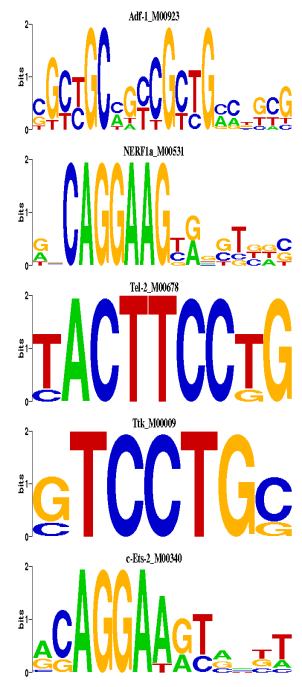
M25



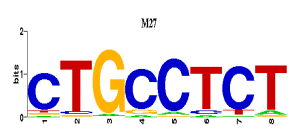
*forward*

*reverse compliment*

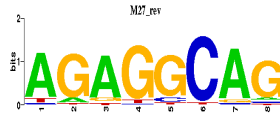
Name	E value	Alignment	Motif
Adf-1_M00923	2.2261e-06	-GCAGGCAG----- CRMNKKCAGCGRCKGCRGCS	
NERF1a_M00531	4.8098e-05	-GCAGGCAG----- RNCAGGAAGYRNSTNNS	
Tel-2_M00678	5.6866e-05	GCAGGCAG-- -CAGGAAGTA	
Ttk_M00009	2.1673e-04	GCAGGCAG GCAGGAC-	
c-Ets-2_M00340	3.3128e-04	-----CTGCCTGC ANNNACTTCTGY	



M27



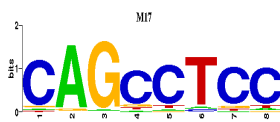
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
PU.1_M00658	8.1946e-06	CTGCCTCT CTTCCTC-	
Elf-1_M00746	1.2531e-05	-CTGCCTCT-- AYTTCCTCTTN	
TFII-I_M00706	9.8072e-05	-CTGCCTCT CCTMCNTC-	
E2A_M00804	1.8734e-04	--AGAGGCAG--- NMNGNGNCAGGTG	
GCR1_M00046	2.9877e-04	AGAGGCAG- -GWGGAAGC	

**M17**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
SMAD4_M00733	3.6011e-05	-GGAGGCTG----- RGNTGKCTGNMYSN	
MAZ_M00649	2.3668e-04	CAGCCTCC- --CCCTCCC	

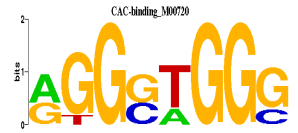
ERF2\_M01057 3.1878e-04

GGAGGCTG  
GGCGGC--



CAC-binding\_M00720 5.1756e-04

--CAGCCTCC  
CCCASCCY--

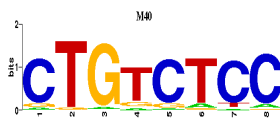


Dde\_M00304 9.3407e-04

GGAGGCTG---  
---GGCTGAGC



**M40**



*forward*



*reverse complement*

*Name*

*E value*

*Alignment*

*Motif*

ARF\_M00438

2.2959e-07

CTGTCTCC  
TTGTCTC-



SMAD3\_M00701

4.8213e-06

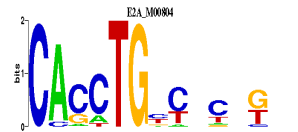
GGAGACAG--  
--AGNCAGAC



E2A\_M00804

2.8741e-04

--GGAGACAG---  
NMNGNGNCAGGTG



SMAD4\_M00733

3.9933e-04

--CTGTCTCC----  
RGNTGKCTGNMYSN



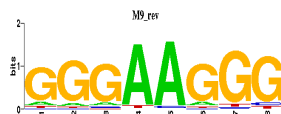
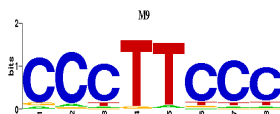
Poly\_M00211





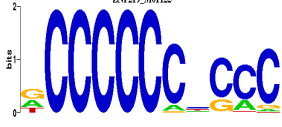
1.1337e-03

GGAGACAG--  
-GAGACCAC

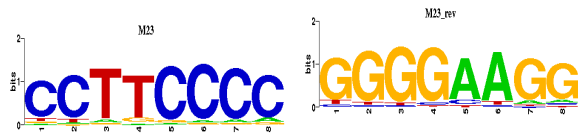





**M9**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	2.9118e-07	-CCCTTCCC----- GCCCTTCCCCRC	
MAZ_M00649	3.2338e-06	CCCTTCCC -CCCTCCC	
BLIMP1_M01066	6.5516e-06	-----CCCTTCCC YMCTTTCMCTTYC-	
Sp3_M00665	2.7194e-05	CCCTTCCC----- CCCYSCCAAGKS	
ZNF219_M01122	3.3110e-05	GGGAAGGG--- GGGNGGGGGGN	

**M23**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	4.7776e-07	---GGGGAAGG-- GYGGGGGAGGGC	
AtMYB-84_M00970	1.0566e-06	---CCTTCCCC- SCACCTACCNC	
PU.1_M00658	1.0724e-06	CCTTCCCC -CTTCTC	

MAZ\_M00649

3.3916e-06

CCTTCCCC  
CCCTCCC-



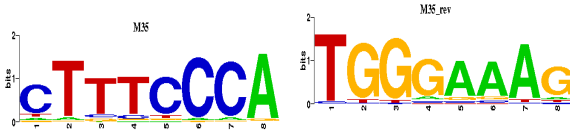
Sp3\_M00665

4.5930e-05

CCTTCCCC-----  
CCCYSCCCAAGKS



**M35**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

RBP-Jkappa\_M01112 2.1524e-07

CTTCCCCA---  
-KTTCCCACGN



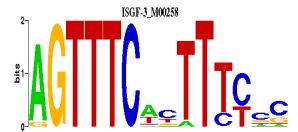
BLIMP1\_M01066 8.9309e-07

--CTTCCCCA---  
YMCTTTCMCTTYC



ISGF-3\_M00258 1.0313e-06

TGGGAAAG-----  
-GNGAAANWGAACT



Su\_H\_M00234 2.4506e-06

-CTTCCCCA---  
NGKTTCCCACRN

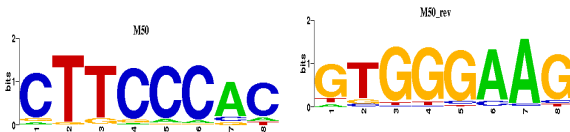


Lyf-1\_M00141 1.1422e-05

CTTCCCCA-  
-YCTCCCAA








**M50**



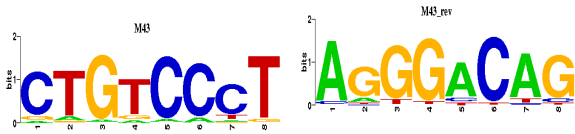
*forward*

*reverse compliment*




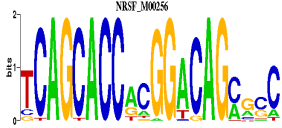


<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
RBP-Jkappa_M01112	1.1601e-08	CTTCCCAC-- KTTCCCACGN	
Su_H_M00234	1.3443e-07	--CTTCCCAC-- NGKTTCCCACRN	
RBP-Jkappa_M01111	3.2763e-07	-GTGGGAAG NGTGGGA--	
Ik-1_M00086	1.7493e-05	---CTTCCCAC-- NNNATTCCCANN	
E2F-1-DP-1_M00736	2.5050e-05	GTGGGAAG GCGSGAA-	

**M43**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BLIMP1_M01066	6.9001e-06	--CTGTCCCT--- YMCITTCMCTTYC	
NRSF_M00256	3.5223e-05	---CTGTCCCT----- GSYGCTGTCCGTGGTGCTGA	
LF-A1_M00646	6.5660e-05	CTGTCCCT YWGASCC-	
NRSF_M01028	7.6700e-05	--CTGTCCCT----- YNCITGCCRYGGTGCTGA	

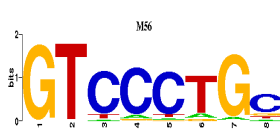
TEIL\_M00502

1.2125e-04

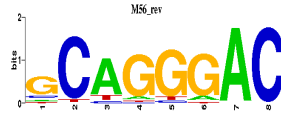
AGGGACAG  
AGRTWCA-



**M56**



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

Ttk\_M00009

2.2377e-04

GCAGGGAC  
GCAGGAC-



Gfi1b\_M01058

3.1133e-04

-GCAGGGAC--  
WGCMGTGATTT



MAZ\_M00649

1.1211e-03

GTCCTGC-  
--CCCTCCC



KAISO\_M01119

1.5962e-03

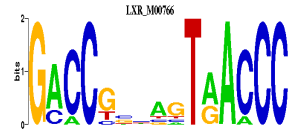
---GCAGGGAC  
NTNGCAGGA--



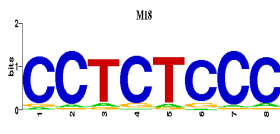
LXR\_M00766

1.6030e-03

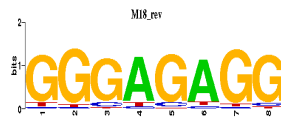
-----GCAGGGAC--  
GACCGNNAGTAACCC



**M18**



*forward*



*reverse compliment*

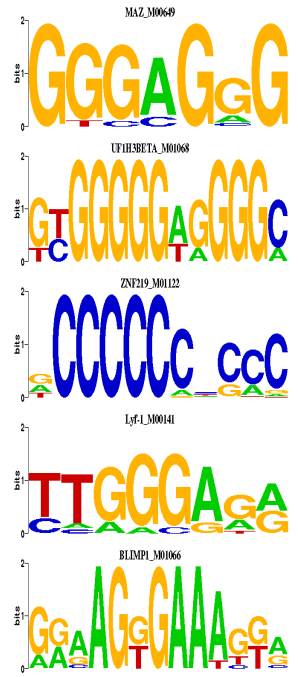
*Name*

*E value*

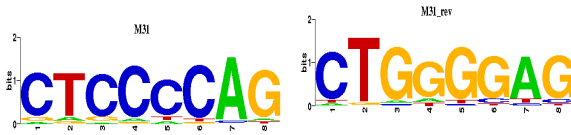
*Alignment*

*Motif*

MAZ_M00649	1.2375e-06	GGGAGAGG GGGAGGG-
UF1H3BETA_M01068	4.4831e-06	--GGGAGAGG--- GYGGGGGAGGGGC
ZNF219_M01122	2.8892e-05	GGGAGAGG--- GGGNGGGGGGN
Lyf-1_M00141	6.2511e-05	CCTCTCCC-- --YCTCCCAA
BLIMP1_M01066	6.8699e-05	----GGGAGAGG- GRAAGKGAAAGKR



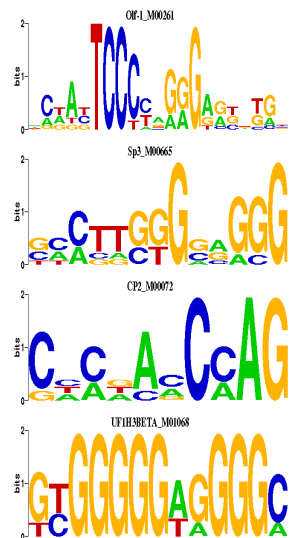
M31



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Olf-1_M00261	4.6231e-07	----CTCCCCAG----- NCNANTCCCYNGGGARNKGN
Sp3_M00665	1.8740e-05	--CTCCCCAG--- CCCYSCCCAAGKS
CP2_M00072	4.7118e-05	--CTCCCCAG CNCNAMCCAG
UF1H3BETA_M01068	6.2335e-05	----CTCCCCAG- GCCCTCCCCRC



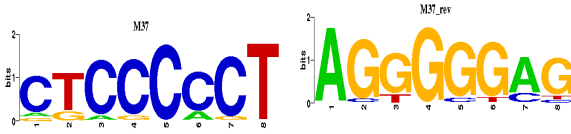
SREBP-1\_M00221

6.8182e-05

CTGGGGAG--  
GTGGGGTGAT



**M37**

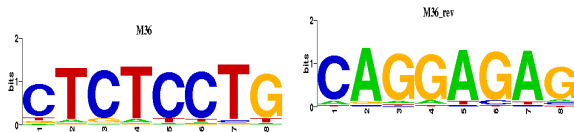


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MZF1_M00084	5.9045e-07	CTCCCCCT---- TTNCCCCTCNNN	
UF1H3BETA_M01068	8.7232e-07	----CTCCCCCT- GCCCCCTCCCCRC	
WT1_M01118	1.5755e-05	AGGGGGAG-- -GNNGGNGN	
STRE_M00308	2.1607e-05	CTCCCCCT --NCCCCT	
MOVO-B_M01104	3.9422e-05	AGGGGGAG NGGGGG--	

**M36**



*forward*

*reverse compliment*

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

Ttk\_M00009 1.1113e-04

-CAGGAGAG  
GCAGGAC--



XPF-1\_M00684 6.0677e-04

-CTCTCCTG  
GKTSNYCNG



Nrf-2\_M00108 6.1311e-04

-CAGGAGAG  
CCGGAAGNS



AREB6\_M00412 6.8725e-04

---CAGGAGAG-  
RNWCAGGTRNRN

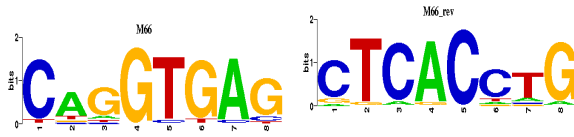


MAZ\_M00649 7.2107e-04

CTCTCCTG  
CCCTCCC-



**M66**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

AREB6\_M00412 3.6818e-07

-CTCACCTG---  
NNYACCTGWNY



myogenin\_M00712 4.6276e-06

CTCACCTG-  
--CASCTGN



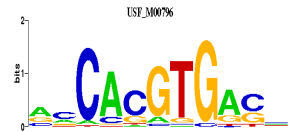
MyoD\_M00184 8.6310e-06

CTCACCTG--  
-NCANCTGNC



USF\_M00796 1.4671e-05

-CTCACCTG--  
NSTCACGTGNN



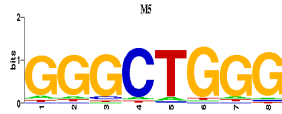
E12\_M00693

1.5626e-05

-CTCACCTG-  
NNNCACCTGY



**M5**

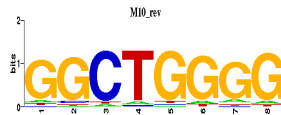
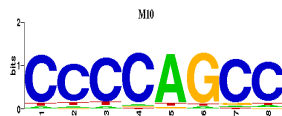


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
CAC-binding_M00720	7.2480e-09	GGGCTGGG RGGSTGGG	
Sp1_M00931	6.9453e-08	-CCCAGCCC NCCCCGCC	
Sp1_M00932	1.2073e-06	--CCCAGCCC-- NNCCCCGCCNN	
Sp1_M00196	1.3865e-06	--GGGCTGGG-- NGGGCGGGGNN	
KROX_M00982	4.8303e-06	-GGGCTGGG---- GNNGNGGGGGCGG	

**M10**



*forward*

*reverse compliment*

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

CAC-binding\_M00720 2.8932e-07

CCCCAGCC-  
-CCCASCCY



AP-2\_M00915 2.9364e-06

-GGCTGGGG---  
NGCCNGNGGNNN



KROX\_M00982 4.2849e-06

---CCCCAGCC--  
CCGCCCCCNNC



Dde\_M00304 1.7921e-05

GGCTGGGG  
GGCTGAGC

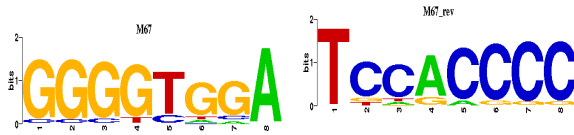


Alfin1\_M00479 5.5636e-05

---CCCCAGCC---  
MNNCCCCACNYNYN



**M67**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

Zic2\_M00449

1.7040e-06

-TCCACCCC  
NACCACCC-



CAC-binding\_M00720 2.5818e-06

TCCACCCC  
CCCASCCY



Zic1\_M00448

2.6929e-06

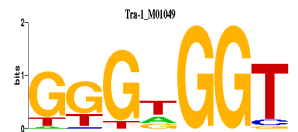
-TCCACCCC  
GACNACCC-



Tra-1\_M01049

2.8600e-06

TCCACCCC  
ACCNCCC-



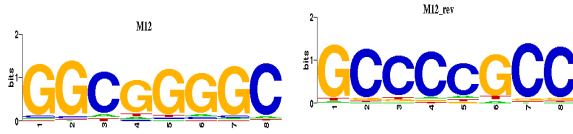
GBF\_M00633

3.7301e-06

--GGGGTGGGA  
TNGGGGTN--



**M12**

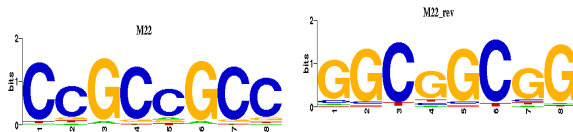


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GC_M00255	1.5564e-10	--GCCCGCC-- NNGCCCGCCCN	
Sp1_M00931	2.5777e-09	-GGCGGGGC GGCGGGGN	
Sp1_M00008	2.4015e-08	GCCCGCC- WCCYGCCY	
Sp1_M00196	6.3587e-08	-GCCCGCC-- NNCCCGCCCN	
Sp1_M00932	6.6159e-08	-GCCCGCC-- NNCCCGCCCN	

**M22**



*forward*

*reverse compliment*

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



Stamp Results

10/01/13

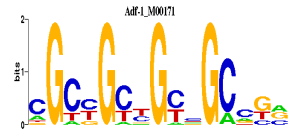
ERF2\_M01057 4.8420e-09

GGCGGCGG  
GGCGGC--



Adf-1\_M00171 1.3065e-07

-----CCGCCGCC--  
CGCYGCGYNGCNKN



ETF\_M00695 2.8755e-06

CCGCCGCC  
CCGCCN--



KROX\_M00982 4.2071e-06

-----GGCGGCGG  
GNNGNNGGGGCGG

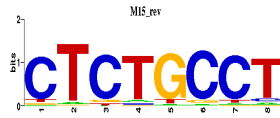
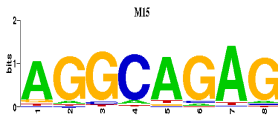


ABI4\_M00958 1.1384e-05

-GGCGGCGG-  
GGGCGGTGCN



M15



*forward*

*reverse compliment*

*Name E value*

*Alignment*

*Motif*

Dde\_M00304 3.3475e-06

-CTCTGCCT  
GCTCAGCC-



SMAD3\_M00701 4.8273e-06

AGGCAGAG  
AGNCAGAC



Nrf-2\_M00108 1.2002e-04

CTCTGCCT-  
SNCTTCCGG



Eve\_M00629 3.0334e-04

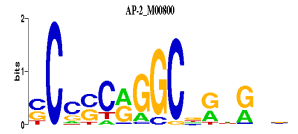
AGGCAGAG---  
--GCNGNSSWN



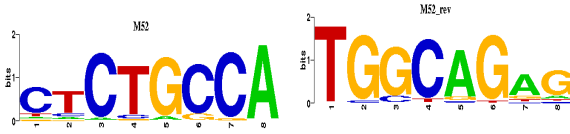
AP-2\_M00800

8.4709e-04

--CTCTGCCT-----  
NNYNYNGCCYGSSGS



**M52**

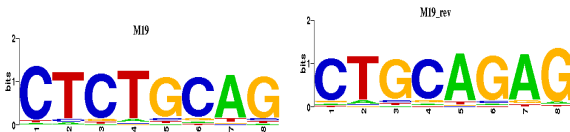


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Dde_M00304	8.0692e-06	TGGCAGAG- -GGCTGAGC	
Lyf-1_M00141	1.1542e-04	-TGGCAGAG TTGGGAGR-	
Nrf-2_M00108	2.5837e-04	CTCTGCCA- SNCTTCCGG	
Eve_M00629	2.9392e-04	TGGCAGAG--- --GCNGNSSWN	
ZAP1_M00735	6.4989e-04	-CTCTGCCA RCTCGGTCA	

**M19**



*forward*

*reverse compliment*

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

Stamp Results

10/01/13

LMAF\_M01139 8.2714e-06

CTCTGCAG  
STCAGCAG



Nrf-2\_M00821 1.3472e-04

-----CTCTGCAG  
NNTGACTCAGCA-



Eve\_M00629 2.9323e-04

CTGCAGAG---  
--GCNGSSWN



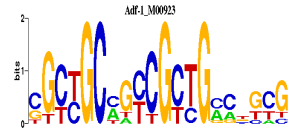
v-Maf\_M00035 5.9933e-04

--CTGCAGAG-----  
NNNTGCNNNGTCAGCANN

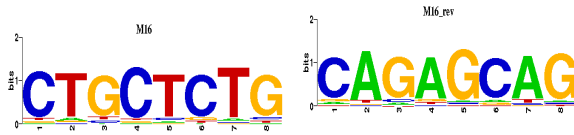


Adf-1\_M00923 1.1231e-03

-----CTGCAGAG  
CRMNKKCAGCGRCKGCRGCS



**M16**



*forward*

*reverse compliment*

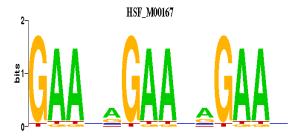
*Name E value*

*Alignment*

*Motif*

HSF\_M00167 7.0696e-06

---CTGCTCTG---  
NTTCNNTTCNNTTC



Eve\_M00629 3.6663e-05

-CAGAGCAG  
GCNGSSWN



XPF-1\_M00684 6.3181e-04

-CTGCTCTG  
GKTSNYCNG



LMAF\_M01139 7.1908e-04

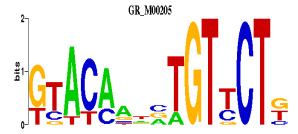
CTGCTCTG  
CTGCTGAS



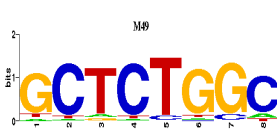
GR\_M00205

9.1474e-04

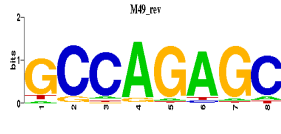
CAGAGCAG-----  
MAGRACANNNTGTAC



**M49**



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

BRK\_M01096

2.3735e-05

GCTCTGGC-  
---NTGGCG



Dde\_M00304

4.6388e-05

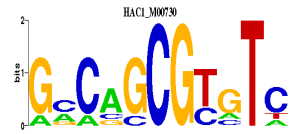
GCCAGAGC  
GGCTGAGC



HAC1\_M00730

3.0997e-04

---GCTCTGGC  
GACACGCTGKC



Hand1-E47\_M00222

4.4529e-04

---GCCAGAGC---  
NNWNCCAGAYNCNNN



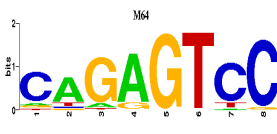
Eve\_M00629

1.1976e-03

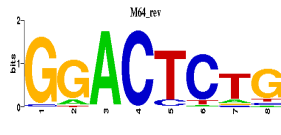
--GCTCTGGC  
NWSNCGNC-



**M64**



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

NF-kappaB\_M00208 5.7873e-05

--CAGAGTCC--  
NGGAAARTCCC



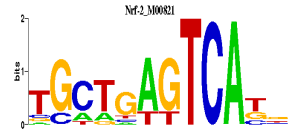
MAF\_M00983 8.4099e-05

-GGACTCTG-  
NTGACTCANC



Nrf-2\_M00821 1.1702e-04

--GGACTCTG--  
NNTGACTCAGCA



HNF4\_M01031 1.2072e-04

---CAGAGTCC--  
GNNCAAAGKYCAN

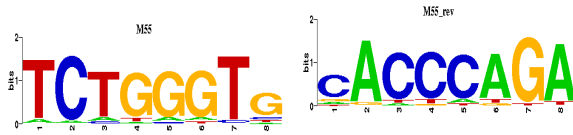


NF-E2\_M00037 1.5128e-04

-GGACTCTG-  
RTGACTCAGC



**M55**



*forward*

*reverse compliment*

*Name*

*E value*

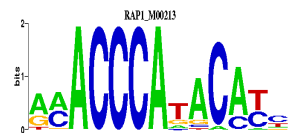
*Alignment*

*Motif*

RAP1\_M00213

4.4406e-06

----TCTGGGTG-  
NRTGTATGGGTKY



GLI\_M01037

4.9171e-06

TCTGGGTG----  
-NTGGGTGGTCN



RCS1\_M00753

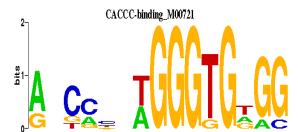
6.2296e-06

-TCTGGGTG---  
AANTGGGTGCAK



CACCC-binding\_M00721 4.6732e-05

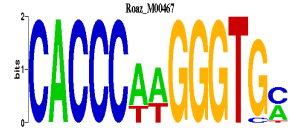
----TCTGGGTG---  
ANCMNNWGGGTGNGG



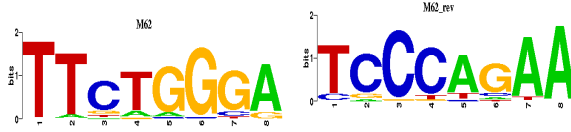
Roaz\_M00467

9.7447e-05

-----TCTGGGTG  
KCACCCTTGGGTG



**M62**

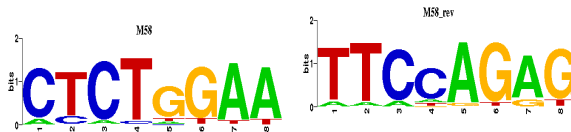


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
STAT_M00777	1.0782e-09	----TTC TGGGA NNNNTTCTNGGA	
STATx_M00223	9.8158e-09	TTC TGGGA TTMYGGGA	
STAT5A_M00460	5.9851e-08	-----TTC TGGGA YNCNNGGAANNNNNTTCNNNGA	
STAT1_M00224	3.4537e-05	----TTC TGGGA----- NNNNTTCCGGGAANTGNSN	
STAT5A_M00457	4.6430e-05	----TCCCAGAA-- NRNTTCCNRGAANY	

**M58**



*forward*

*reverse compliment*

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

HSF\_M00641 5.6099e-06

TTCCAGAG-----  
-TCNMGNRGYTTC



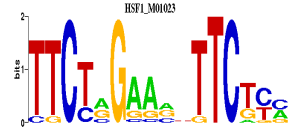
Hand1-E47\_M00222 5.3884e-05

-----CTCTGGAA--  
NNNGNRTC TGGNWN



HSF1\_M01023 5.8856e-05

CTCTGGAA-----  
TTCTRGAANNTTCTYM



RP58\_M00532 7.2143e-05

TTCCAGAG-----  
-TCCAGATGTTN

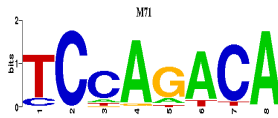


Pax-6\_M00979 7.2264e-05

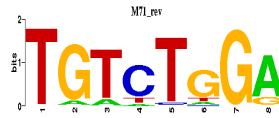
---TTCCAGAG--  
KAGTTCCAGGTCA



**M71**



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

SMAD\_M00974 4.5720e-05

-TGTCTGGA-  
NWGTCTGNNN



RP58\_M00532 8.9859e-05

---TGTCTGGA  
NAACATCTGGA



Hand1-E47\_M00222 1.2133e-04

---TCCAGACA----  
NNWNCCAGAYNCNNN



TGIF\_M00418 1.4551e-04

--TGTCTGGA  
GCTGTCANNW



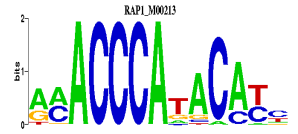
Stamp Results

10/01/13

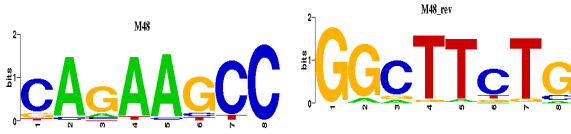
RAP1\_M00213

1.9380e-04

---TCCAGACA--  
RMACCCATACAYN



**M48**

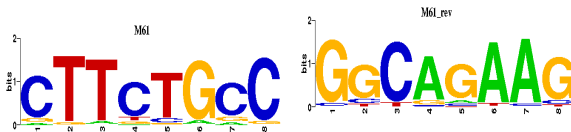


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GCR1_M00337	3.2823e-04	GGCTTCTG----- GGCTTCCACTWTT	
PEND_M01015	3.6571e-04	GGCTTCTG -ACTTCTT	
c-Ets-1_M00743	5.4195e-04	GGCTTCTG -GCTTCK	
GCR1_M00046	8.5972e-04	-CAGAAGCC GWGGAAGC-	
HSF_M00641	1.0535e-03	--GGCTTCTG-- GAARCYNCKNGA	

**M61**



*forward*

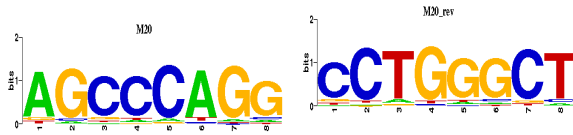
*reverse compliment*

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



TAL1_M00993	1.6731e-04	GGCAGAAG- RNCAGNTGG	
PEND_M01015	3.3243e-04	-CTTCTGCC ACTTCTT--	
LMAF_M01139	3.8502e-04	CTTCTGCC CTGCTGAS	
Ttk_M00009	1.0916e-03	GGCAGAAG -GCAGGAC	
TGIF_M00418	1.9110e-03	---GGCAGAAG GCTGTCANNW-	

**M20**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AP-2_M00915	2.8080e-04	--CCTGGGCT-- NGCCNGNGGNNN	
Egr-3_M00245	4.2472e-04	-AGCCCAGG-- ACGCCACGCA	
Egr-1_M00243	4.8194e-04	-AGCCCAGG-- MCGCCCACGCA	
SREBP-1_M00749	5.8619e-04	CCTGGGCT --TGGSCT	

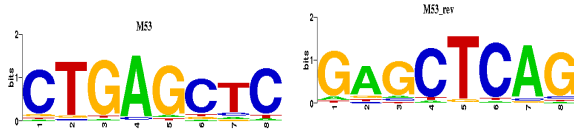
Egr-2\_M00246

6.4073e-04

-AGCCCAGG--  
MCGCCCACGCA



**M53**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

Dde\_M00304

2.9213e-06

--CTGAGCTC  
GGCTGAGC--



CDC5\_M00361

2.4307e-05

----CTGAGCTC  
NSCGCTGAGS--



PXR\_M01153

2.6422e-05

CTGAGCTC  
-TGAACTN



Pax\_M00808

2.3930e-04

CTGAGCTC--  
GTKAGTTCCA



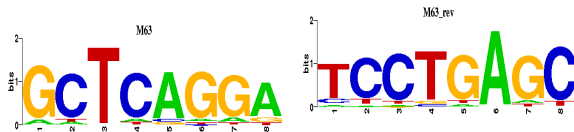
GATA-2\_M00349

5.3214e-04

GAGCTCAG-  
SAGATAANA



**M63**



*forward*

*reverse compliment*

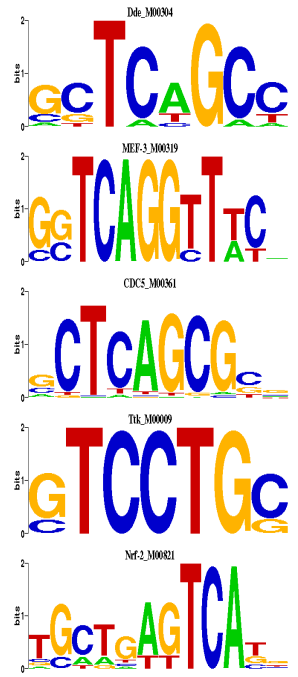
*Name*

*E value*

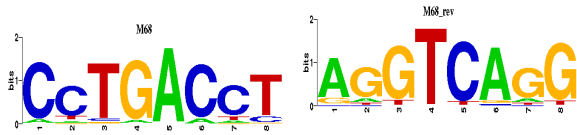
*Alignment*

*Motif*

Dde_M00304	3.2802e-06	TCCTGAGC GGCTGAGC
MEF-3_M00319	1.2565e-05	GCTCAGGA---- GSTCAGGTTWCN
CDC5_M00361	2.4906e-05	GCTCAGGA-- SCTCAGCGSN
Ttk_M00009	1.8437e-04	GCTCAGGA- --GCAGGAC
Nrf-2_M00821	2.6601e-04	----GCTCAGGA NNTGACTCAGCA



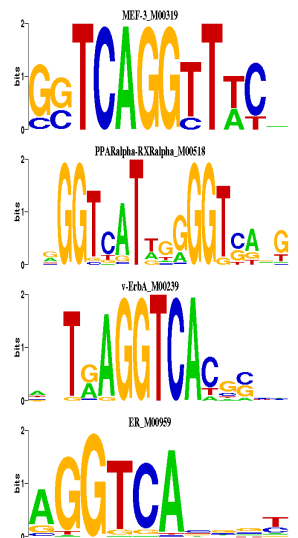
**M68**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MEF-3_M00319	5.1845e-07	AGGTCAGG----- -GSTCAGGTTWCN	
PPARalpha-RXRalpha_M00518	5.7721e-06	CCTGACCT----- CNTSACCCCNATGACCNN	
v-ErbA_M00239	1.3616e-05	---CCTGACCT---- NNSNGTGACCTYANN	
ER_M00959	1.4477e-05	--CCTGACCT RNNNTGACCT	



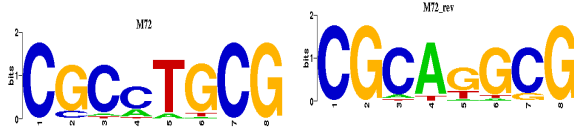
LF-A1\_M00646

3.3802e-05

CCTGACCT  
-YWGASCC



M72



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AP-2_M00189	4.8392e-07	CGCCTGCG--- CGCCNGSGGNN	
AP-2_M00800	2.8272e-06	-----CGCCTGCG-- NNYNYNGCCYGSSGS	
Nrf-1_M00652	1.6342e-05	--CGCCTGCG YGCGCAYGC-	
AP-2_M00915	4.5079e-05	CGCCTGCG----- NGCCNGNGGNNN	
Egr-2_M00246	8.3788e-05	-CGCCTGCG-- MCGCCCACGCA	

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