

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: JASPAR

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

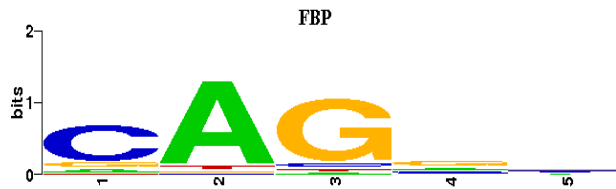
M23: ----AGCAGAGG---  
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M25: -----CCAGGCTG--  
M26: -GCCAGCAG-----  
M27: ---CTGCAGCC----  
M28: -----CCAGAGCC--  
M29: -----CACCCCA-  
M30: --GCCCCAGG-----  
M31: ---CTCCAGCC----  
M32: -----CCAGCCTC--  
M33: --GCAGCAGC-----  
M34: -----AGGAAGGA  
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-----
```

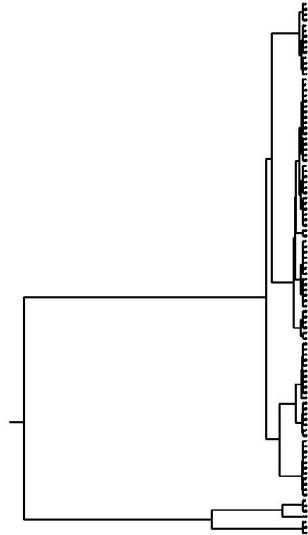
**Familial Profile:**  
**(click for matrix)**

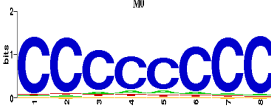
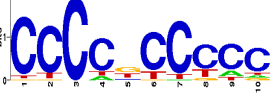
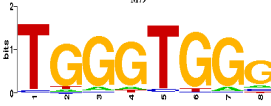

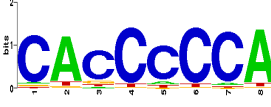
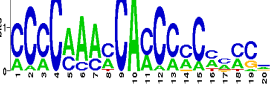


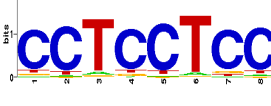
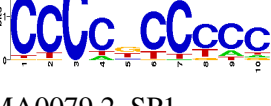
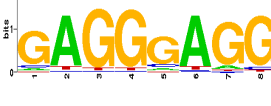
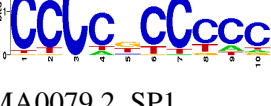
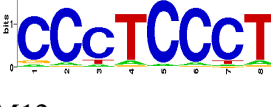
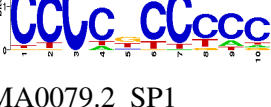
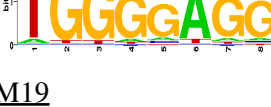
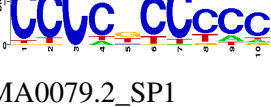


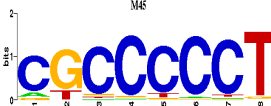
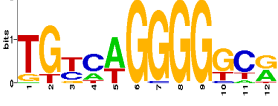
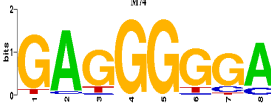

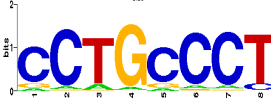
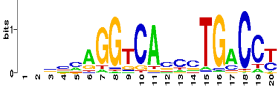
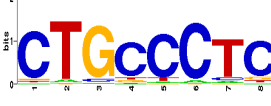
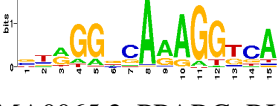
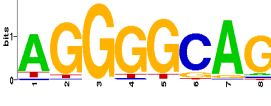

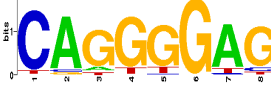

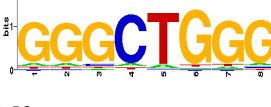
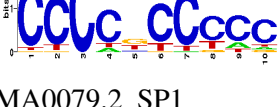
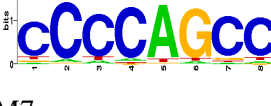
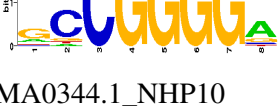
# Motif Tree

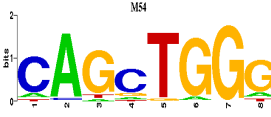

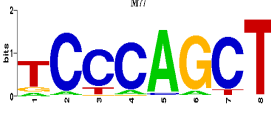

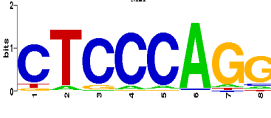


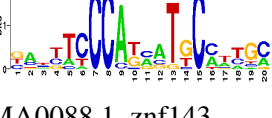
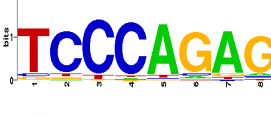


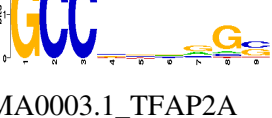
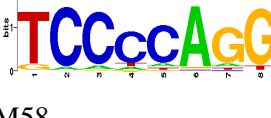
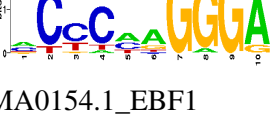
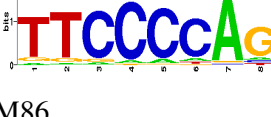
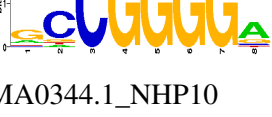
Tree (drawn by [Phylip](#))

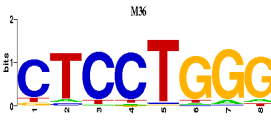
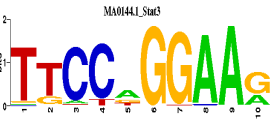
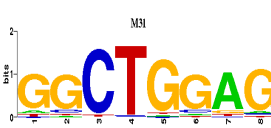

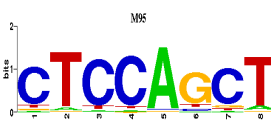

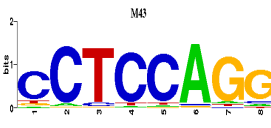
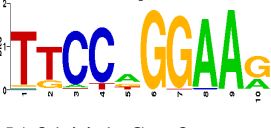
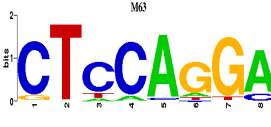
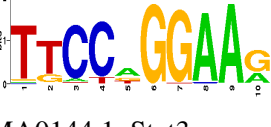
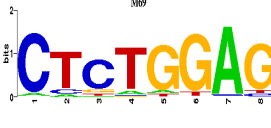




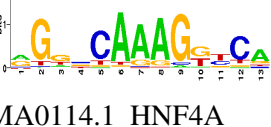
[Click here for Newick-format tree](#) (viewable with [MEGA](#))

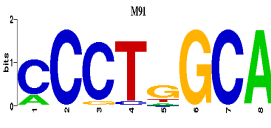
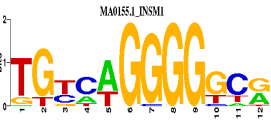


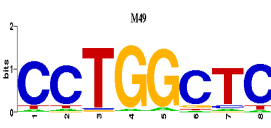

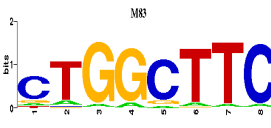

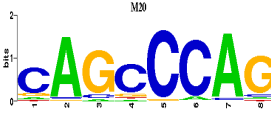

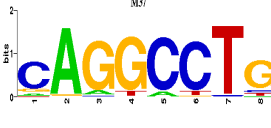
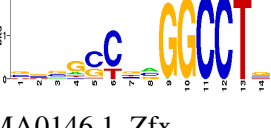
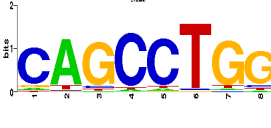

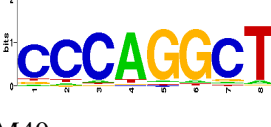



	Input Motif	Best match in JASPAR
<p><b>M0</b></p> 	<p><b>MA0079.2_SP1</b></p>  <p>MA0079.2_SP1 (E val: 5.0714e-07)</p>	
<p><b>M79</b></p> 	<p><b>MA0039.2_Klf4</b></p>  <p>MA0039.2_Klf4 (E val: 2.7609e-06)</p>	
<p><b>M29</b></p> 	<p><b>MA0073.1_RREB1</b></p>  <p>MA0073.1_RREB1 (E val: 2.3548e-06)</p>	
<p><b>M90</b></p> 	<p><b>MA0039.2_Klf4</b></p>  <p>MA0039.2_Klf4 (E val: 1.7031e-09)</p>	
<p><b>M4</b></p> 	<p><b>MA0079.2_SP1</b></p>  <p>MA0079.2_SP1 (E val: 1.7119e-06)</p>	
<p><b>M6</b></p> 	<p><b>MA0079.2_SP1</b></p>  <p>MA0079.2_SP1 (E val: 1.0364e-05)</p>	
<p><b>M12</b></p> 	<p><b>MA0079.2_SP1</b></p>  <p>MA0079.2_SP1 (E val: 1.3569e-06)</p>	
<p><b>M19</b></p> 	<p><b>MA0079.2_SP1</b></p>  <p>MA0079.2_SP1</p>	

	(E val: 1.5025e-06)
 <p><b>M45</b></p>	 <p>MA0155.1_INSM1 (E val: 3.0191e-09)</p>
 <p><b>M74</b></p>	 <p>MA0057.1_MZF1_5-13 (E val: 7.4362e-10)</p>
 <p><b>M8</b></p>	 <p>MA0112.2_ESR1 (E val: 3.5457e-06)</p>
 <p><b>M10</b></p>	 <p>MA0065.2_PPARG_RXRA (E val: 5.1810e-04)</p>
 <p><b>M52</b></p>	 <p>MA0366.1_RGM1 (E val: 2.3689e-06)</p>
 <p><b>M71</b></p>	 <p>MA0364.1_REI1 (E val: 1.7635e-07)</p>
 <p><b>M2</b></p>	 <p>MA0079.2_SP1 (E val: 1.5279e-06)</p>
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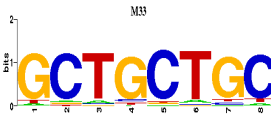
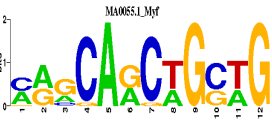
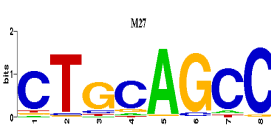
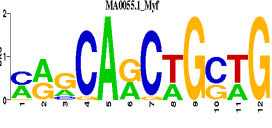
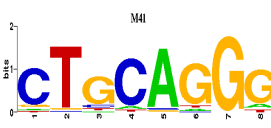

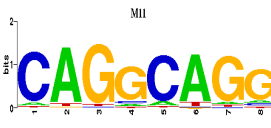

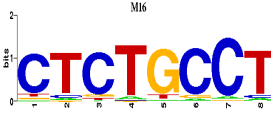

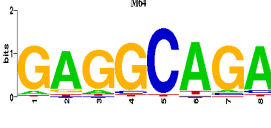

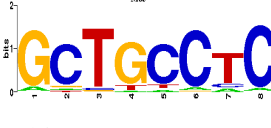

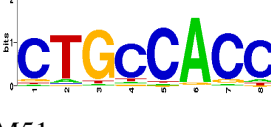

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<p>M77</p>  <p>M77</p>	<p>MA0267.1_ACE2 (E val: 2.0745e-04)</p>  <p>MA0267.1_ACE2 (E val: 2.0745e-04)</p>
<p>M21</p>  <p>M21</p>	<p>MA0344.1_NHP10 (E val: 1.2659e-05)</p>  <p>MA0344.1_NHP10 (E val: 1.2659e-05)</p>
<p>M42</p>  <p>M42</p>	<p>MA0088.1_znf143 (E val: 3.6558e-05)</p>  <p>MA0088.1_znf143 (E val: 3.6558e-05)</p>
<p>M66</p>  <p>M66</p>	<p>MA0332.1_MET28 (E val: 1.4439e-04)</p>  <p>MA0332.1_MET28 (E val: 1.4439e-04)</p>
<p>M30</p>  <p>M30</p>	<p>MA0003.1_TFAP2A (E val: 8.7054e-07)</p>  <p>MA0003.1_TFAP2A (E val: 8.7054e-07)</p>
<p>M58</p>  <p>M58</p>	<p>MA0154.1_EBF1 (E val: 2.1220e-06)</p>  <p>MA0154.1_EBF1 (E val: 2.1220e-06)</p>
<p>M86</p>  <p>M86</p>	<p>MA0344.1_NHP10 (E val: 1.4027e-05)</p>  <p>MA0344.1_NHP10 (E val: 1.4027e-05)</p>

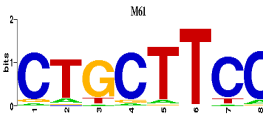
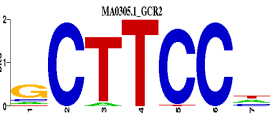
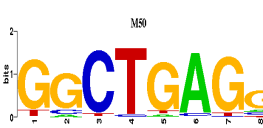

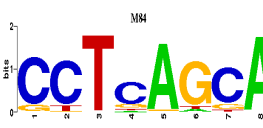

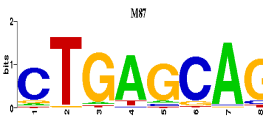


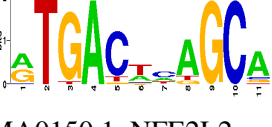
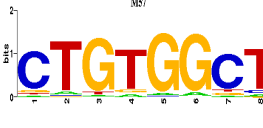



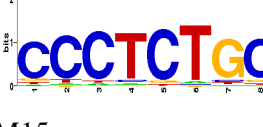
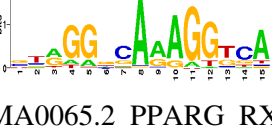
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 <p><b>M31</b></p>	 <p><b>MA0410.1_UGA3</b> (E val: 3.9175e-05)</p>
 <p><b>M95</b></p>	 <p><b>MA0055.1_Myf</b> (E val: 3.4431e-05)</p>
 <p><b>M43</b></p>	 <p><b>MA0144.1_Stat3</b> (E val: 3.2084e-05)</p>
 <p><b>M63</b></p>	 <p><b>MA0144.1_Stat3</b> (E val: 3.8737e-08)</p>
 <p><b>M69</b></p>	 <p><b>MA0332.1_MET28</b> (E val: 1.2705e-04)</p>
 <p><b>M5</b></p>	 <p><b>MA0381.1_SKN7</b> (E val: 1.3381e-04)</p>
 <p><b>M53</b></p>	 <p><b>MA0114.1_HNF4A</b> (E val: 8.1821e-06)</p>

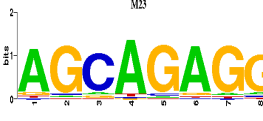

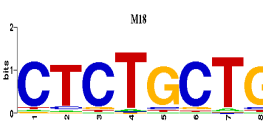

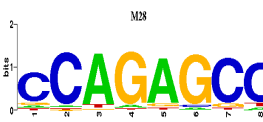

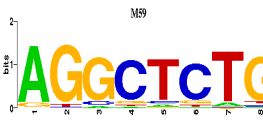
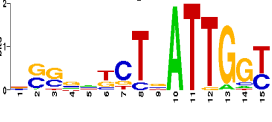
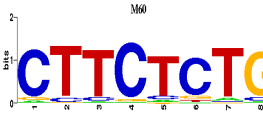

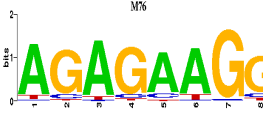
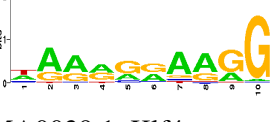
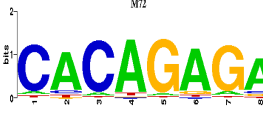

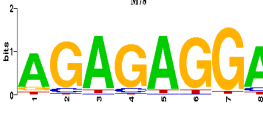
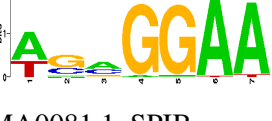
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 <p><b>M44</b></p>	 <p><b>MA0267.1_ACE2</b> (E val: 1.8647e-04)</p>
 <p><b>M49</b></p>	 <p><b>MA0213.1_brk</b> (E val: 5.8989e-04)</p>
 <p><b>M83</b></p>	 <p><b>MA0260.1_che-1</b> (E val: 1.1107e-06)</p>
 <p><b>M20</b></p>	 <p><b>MA0320.1_IME1</b> (E val: 3.0322e-04)</p>
 <p><b>M37</b></p>	 <p><b>MA0146.1_Zfx</b> (E val: 5.8122e-04)</p>
 <p><b>M25</b></p>	 <p><b>MA0112.2_ESR1</b> (E val: 6.7125e-04)</p>
 <p><b>M40</b></p>	 <p><b>MA0344.1_NHP10</b> (E val: 1.7044e-05)</p>

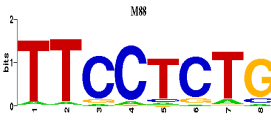
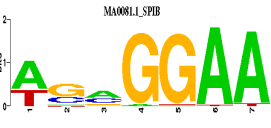
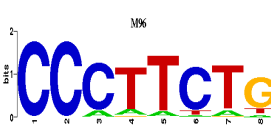
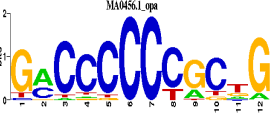
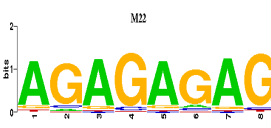
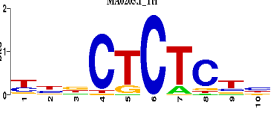
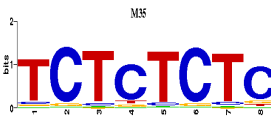
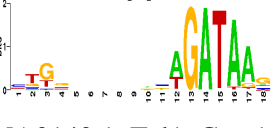
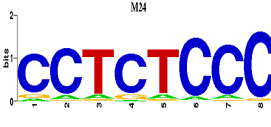
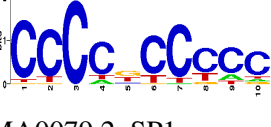
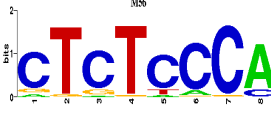

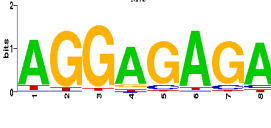
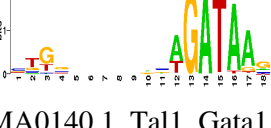
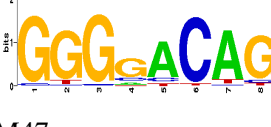
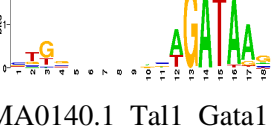


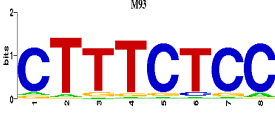
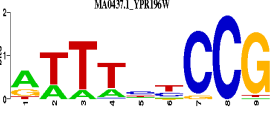
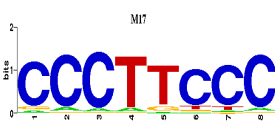
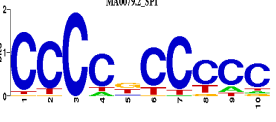
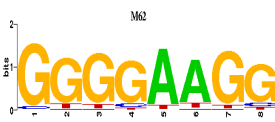
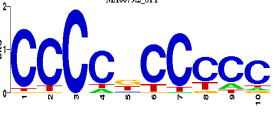
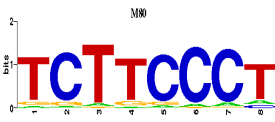

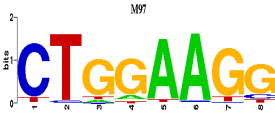

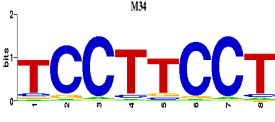

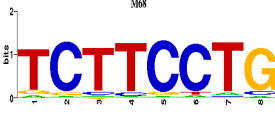
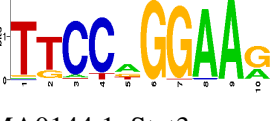
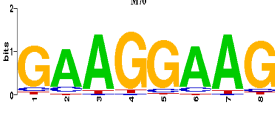



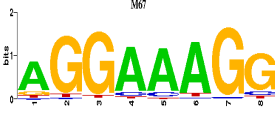
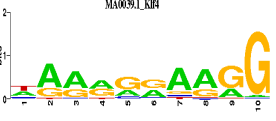
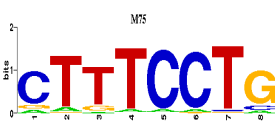

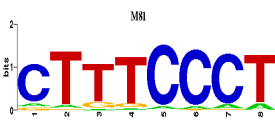
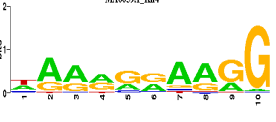
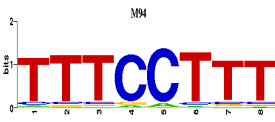

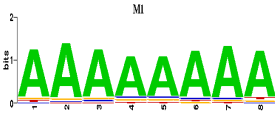

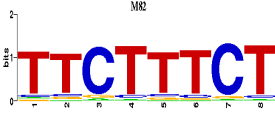

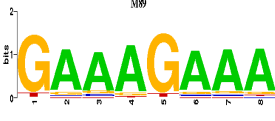

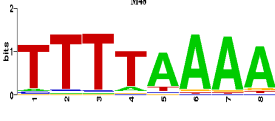

 <p><b>M33</b></p>	 <p><b>MA0055.1_Myf</b> (E val: 3.3985e-07)</p>
 <p><b>M27</b></p>	 <p><b>MA0055.1_Myf</b> (E val: 3.2834e-04)</p>
 <p><b>M41</b></p>	 <p><b>MA0364.1_REI1</b> (E val: 1.7443e-04)</p>
 <p><b>M11</b></p>	 <p><b>MA0340.1_MOT3</b> (E val: 2.6641e-05)</p>
 <p><b>M16</b></p>	 <p><b>MA0283.1_CHA4</b> (E val: 3.6006e-05)</p>
 <p><b>M64</b></p>	 <p><b>MA0340.1_MOT3</b> (E val: 2.5536e-04)</p>
 <p><b>M65</b></p>	 <p><b>MA0123.1_abi4</b> (E val: 5.6208e-05)</p>
 <p><b>M51</b></p>	 <p><b>MA0373.1_RPN4</b> (E val: 2.3024e-07)</p>

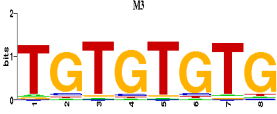


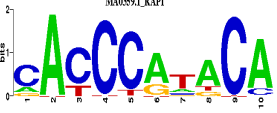


 <p><b>M61</b></p>	 <p><b>MA0305.1_GCR2</b> (E val: 2.0433e-07)</p>
 <p><b>M50</b></p>	 <p><b>MA0283.1_CHA4</b> (E val: 5.0788e-05)</p>
 <p><b>M84</b></p>	 <p><b>MA0150.1_NFE2L2</b> (E val: 2.0855e-07)</p>
 <p><b>M87</b></p>	 <p><b>MA0326.1_MAC1</b> (E val: 6.7542e-06)</p>
 <p><b>M98</b></p>	 <p><b>MA0150.1_NFE2L2</b> (E val: 1.0670e-06)</p>
 <p><b>M57</b></p>	 <p><b>MA0332.1_MET28</b> (E val: 4.0215e-09)</p>
 <p><b>M92</b></p>	 <p><b>MA0335.1_MET4</b> (E val: 1.1816e-09)</p>
 <p><b>M15</b></p>	 <p><b>MA0065.2_PPARG_RXRA</b> (E val: 3.7497e-05)</p>

<p>M23</p>  <p><b>AGCAGAGG</b></p>	<p>MA0065.2_PPARG_RXRA (E val: 8.2037e-05)</p> 
<p>M18</p>  <p><b>CTC TGCTG</b></p>	<p>MA0287.1_CUP2 (E val: 2.7051e-06)</p> 
<p>M28</p>  <p><b>cCAGAGCC</b></p>	<p>MA0332.1_MET28 (E val: 2.2045e-04)</p> 
<p>M59</p>  <p><b>AGGCTCTG</b></p>	<p>MA0316.1_HAP5 (E val: 4.7611e-04)</p> 
<p>M60</p>  <p><b>CTTCtcTG</b></p>	<p>MA0035.2_Gata1 (E val: 3.0573e-04)</p> 
<p>M76</p>  <p><b>AGAGAAGG</b></p>	<p>MA0039.1_Klf4 (E val: 1.1126e-04)</p> 
<p>M72</p>  <p><b>CACAGAGA</b></p>	<p>MA0332.1_MET28 (E val: 1.8390e-05)</p> 
<p>M78</p>  <p><b>AGAGAGGA</b></p>	<p>MA0081.1_SPIB (E val: 4.0181e-06)</p> 

 <p><b>M88</b></p>	 <p><b>MA0081.1_SPIB</b> (E val: 9.0380e-10)</p>
 <p><b>M96</b></p>	 <p><b>MA0456.1_opa</b> (E val: 1.2958e-03)</p>
 <p><b>M22</b></p>	 <p><b>MA0205.1_Trl</b> (E val: 3.7933e-03)</p>
 <p><b>M35</b></p>	 <p><b>MA0140.1_Tal1_Gata1</b> (E val: 1.7691e-03)</p>
 <p><b>M24</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 1.6940e-05)</p>
 <p><b>M56</b></p>	 <p><b>MA0432.1_YNR063W</b> (E val: 1.5066e-05)</p>
 <p><b>M73</b></p>	 <p><b>MA0140.1_Tal1_Gata1</b> (E val: 6.0333e-04)</p>
 <p><b>M47</b></p>	 <p><b>MA0140.1_Tal1_Gata1</b> (E val: 4.4885e-07)</p>

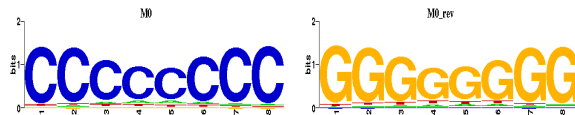
<p>M93</p> 	<p>MA0437.1_YPR196W (E val: 1.0561e-07)</p> 
<p>M17</p> 	<p>MA0079.2_SP1 (E val: 5.1847e-06)</p> 
<p>M62</p> 	<p>MA0079.2_SP1 (E val: 6.2983e-06)</p> 
<p>M80</p> 	<p>MA0062.1_GABPA (E val: 2.8246e-05)</p> 
<p>M97</p> 	<p>MA0304.1_GCR1 (E val: 2.5065e-06)</p> 
<p>M34</p> 	<p>MA0149.1_EWSR1-FLI1 (E val: 9.8395e-11)</p> 
<p>M68</p> 	<p>MA0144.1_Stat3 (E val: 5.9603e-08)</p> 
<p>M70</p> 	<p>MA0149.1_EWSR1-FLI1 (E val: 1.1286e-10)</p> 

 <p><b>M67</b></p>	 <p><b>MA0039.1_Klf4</b> (E val: 5.4824e-07)</p>
 <p><b>M75</b></p>	 <p><b>MA0156.1_FEV</b> (E val: 1.8138e-08)</p>
 <p><b>M81</b></p>	 <p><b>MA0039.1_Klf4</b> (E val: 1.1441e-04)</p>
 <p><b>M94</b></p>	 <p><b>MA0277.1_AZF1</b> (E val: 4.0011e-09)</p>
 <p><b>M1</b></p>	 <p><b>MA0277.1_AZF1</b> (E val: 6.5539e-08)</p>
 <p><b>M82</b></p>	 <p><b>MA0277.1_AZF1</b> (E val: 8.3801e-08)</p>
 <p><b>M89</b></p>	 <p><b>MA0277.1_AZF1</b> (E val: 3.8341e-09)</p>
 <p><b>M48</b></p>	 <p><b>MA0151.1_ARID3A</b> (E val: 7.2646e-05)</p>

 <p><b>M3</b></p>	 <p><b>MA0009.1_T</b> (E val: 1.0873e-03)</p>
 <p><b>M13</b></p>	 <p><b>MA0359.1_RAP1</b> (E val: 1.3240e-03)</p>
 <p><b>M85</b></p>	 <p><b>MA0207.1_achi</b> (E val: 2.3418e-05)</p>

### Motif Similarity Matches

**M0**



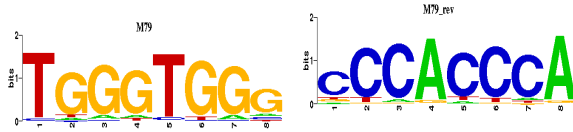
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	5.0714e-07	GGGGGGGG-- GGGGNGGGG	
MA0068.1_Pax4	6.3093e-07	GGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTYY	
MA0073.1_RREB1	1.7902e-06	-GGGGGGGG----- NGKKKGKGGGTGKTTTGGGG	
MA0443.1_btd	2.3137e-06	-CCCCCCC- YCCGCCMCN	
MA0456.1_opa	3.2332e-06	--CCCCCCC-- GMCCCCCGCNG	



**M79**

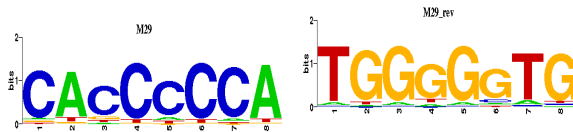


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0039.2_Klf4	2.7609e-06	--CCCACCCA GCCMCRCCCN	
MA0359.1_RAP1	2.5974e-05	CCCACCCA---- --CACCCATACA	
MA0436.1_YPR022C	1.7601e-04	TGGGTGGG-- --NGTGGGG	
MA0193.1_Lag1	2.2425e-04	TGGGTGGG TTGGTRG--	
MA0373.1_RPN4	2.3280e-04	-CCCACCCA CGCCACC--	


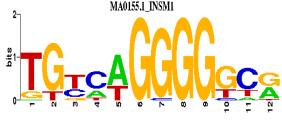


**M29**



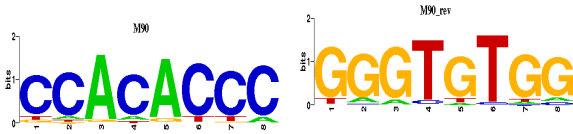
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0073.1_RREB1	2.3548e-06	----TGGGGTG----- NGKKKGKGGGTGKTTTGGGG	

MA0450.1_hkb	1.8909e-05	-CACCCCCA TCACGCCCM	
MA0155.1_INSM1	2.0687e-04	----TGGGGGTG TGYCAGGGGGCR	
MA0268.1_ADR1	2.1319e-04	-TGGGGGTG KTGGGNN--	
MA0436.1_YPR022C	2.1860e-04	--TGGGGGTG NGTGGGG---	

**M90**

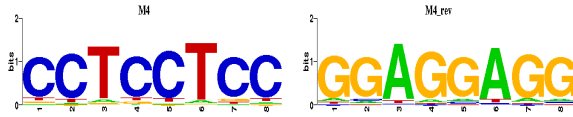


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	1.7031e-09	-CCACACCC- GCCMCRCN	
MA0270.1_AFT2	2.5077e-06	-GGGTGTGG NGGGTGTN-	
MA0332.1_MET28	1.9105e-05	CCACACCC CCACAG--	
MA0009.1_T	3.3244e-05	--GGGTGTGG- CTAGGTGTGAA	
MA0450.1_hkb	5.4355e-05	-GGGTGTGG KGGGCGTGA	

**M4**

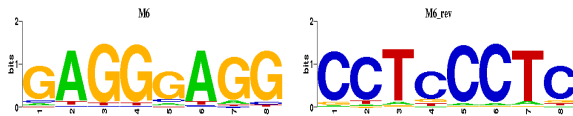


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.7119e-06	GGAGGAGG-- GGGGNGGGG	
MA0283.1_CHA4	3.3424e-05	CCTCCTCC NCTCCGCC	
MA0062.1_GABPA	3.0841e-04	---GGAGGAGG ACCGGAAGNS-	
MA0080.2_SPI1	8.2311e-04	-CCTCCTCC ACTTCCT--	
MA0081.1_SPIB	8.5901e-04	CCTCCTCC -TTCKST	

**M6**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.0364e-05	--CCTCCCTC CCCCNCCCC	
MA0149.1_EWSR1-FLI1	1.1045e-03	-----CCTCCCTC-- CCTTCCTTCCTTCCTTC	

Stamp Results

10/01/13

MA0080.2\_SPI1

1.1413e-03

CCTCCCTC  
ACTTCCT-



MA0443.1\_btd

1.4493e-03

-CCTCCCTC-  
YCCGCCMCN



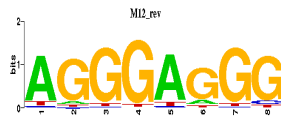
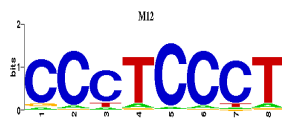
MA0366.1\_RGM1

1.8358e-03

CCTCCCTC  
--CCCCT-



M12



*forward*

*reverse compliment*

*Name*

*E value*

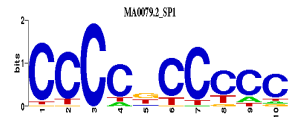
*Alignment*

*Motif*

MA0079.2\_SPI1

1.3569e-06

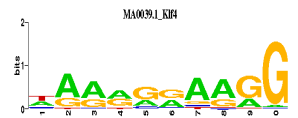
-CCCTCCCT-  
CCCCNCCCC



MA0039.1\_Klf4

2.2407e-05

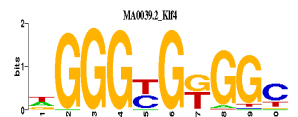
CCCTCCCT--  
CCTTYYYTIN



MA0039.2\_Klf4

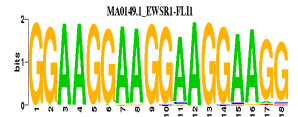
1.0556e-03

--CCCTCCCT  
GCCMCRCN



MA0149.1\_EWSR1-FLI1 1.4785e-03

---AGGGAGGG-----  
GGAAGGAAGGAAGGAAGG



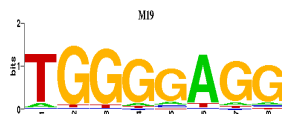
MA0080.2\_SPI1

1.5132e-03

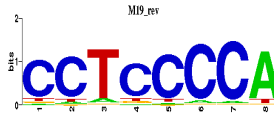
AGGGAGGG  
AGGAAGT-



M19



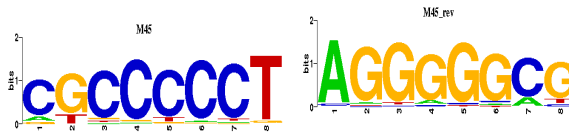
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
MA0079.2_SP1	1.5025e-06	TGGGGAGG-- GGGGNGGGG	
MA0056.1_MZF1_1-4	2.1640e-05	CCTCCCCA --TCCCN	
MA0159.1_RXR_RAR_DR5	1.9258e-04	-----TGGGGAGG--- RGKTCANNRNAGGTCA	
MA0268.1_ADR1	2.0731e-04	-TGGGGAGG KTGGGN--	
MA0436.1_YPR022C	2.2673e-04	--TGGGGAGG NGTGGG---	

**M45**



*forward*

*reverse compliment*

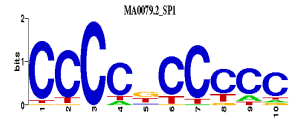
Name	E value	Alignment	Motif
MA0155.1_INSM1	3.0191e-09	CGCCCCCT---- YGCCCCCTGRCA	
MA0443.1_btd	5.0202e-08	--CGCCCCCT YCCGCCMCN	

Stamp Results

10/01/13

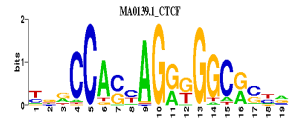
MA0079.2\_SP1 7.7640e-08

AGGGGGCG---  
-GGGGNGGGG



MA0139.1\_CTCF 9.5456e-08

---CGCCCCCT-----  
NNSYGCCMCTRSTGGNNR

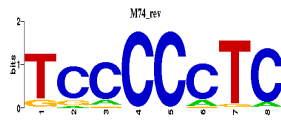
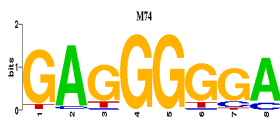


MA0366.1\_RGM1 1.8824e-06

CGCCCCCT  
---CCCCT



**M74**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

MA0057.1\_MZF1\_5-13 7.4362e-10

-GAGGGGGA-  
NKAGGGGNAN



MA0342.1\_MSN4 2.3597e-06

TCCCCCTC  
--CCCCT-



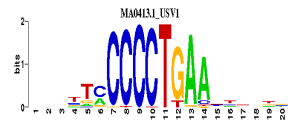
MA0366.1\_RGM1 2.5411e-06

TCCCCCTC  
--CCCCT-



MA0413.1\_USV1 2.7226e-06

-----GAGGGGGA-----  
NNNNNNTTCAGGGGKANNNN

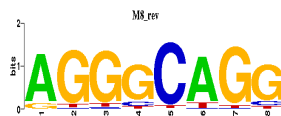
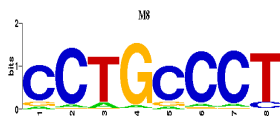


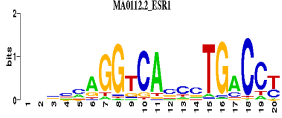
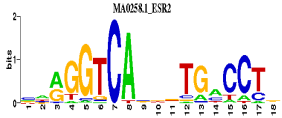
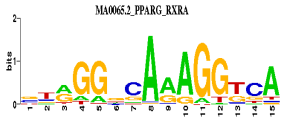
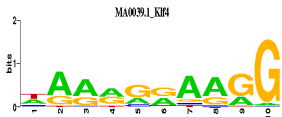
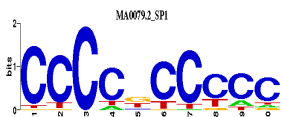
MA0341.1\_MSN2 6.3680e-06

TCCCCCTC  
--CCCCT-

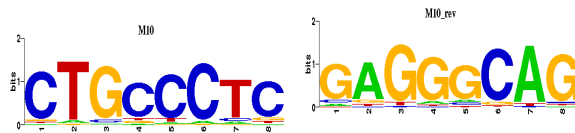


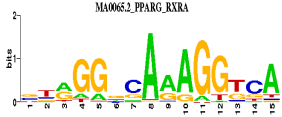

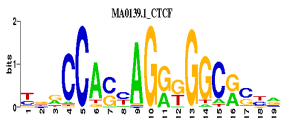
**M8**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0112.2_ESR1	3.5457e-06	AGGGCAGG----- RGGTCANNNTGACCTNNNNN	
MA0258.1_ESR2	3.3977e-04	--AGGGCAGG----- NNRGGTCANNNTGNCCTN	
MA0065.2_PPARG_RXRA	5.8161e-04	-----CCTGCCCT-- TGMCCTTTGNCCYNN	
MA0039.1_Klf4	8.6008e-04	CCTGCCCT-- CCTTYYYYTTN	
MA0079.2_SP1	1.1996e-03	-CCTGCCCT- CCCCNCCCC	

**M10**

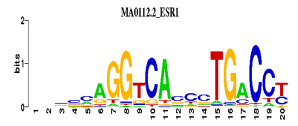


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.2_PPARG_RXRA	5.1810e-04	-----CTGCCCTC- TGMCCTTTGNCCYNN	
MA0140.1_Tal1_Gata1	6.8681e-04	-----CTGCCCTC----- NTTATCTNNNNNNNNCNN	
MA0139.1_CTCF	1.1577e-03	--CTGCCCTC----- NNSYGCCMCCSTRSTGGNNR	

MA0112.2\_ESR1

1.4262e-03

GAGGGCAG-----  
-RGGTCANNNTGACCTNNNNN



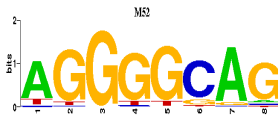
MA0405.1\_TEA1

1.5603e-03

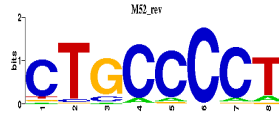
CTGCCCTC  
NWGYSCGC



**M52**



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

MA0366.1\_RGM1

2.3689e-06

CTGCCCT  
---CCCCT



MA0342.1\_MSN4

2.5794e-06

CTGCCCT  
---CCCCT



MA0341.1\_MSN2

9.2315e-06

CTGCCCT  
---CCCCT



MA0123.1\_abi4

3.3532e-05

AGGGGCAG--  
NGNNGCRSCG



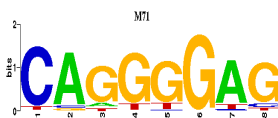
MA0364.1\_REI1

1.8739e-04

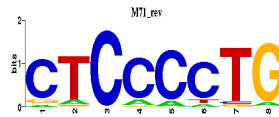
--AGGGGCAG  
NCAGGGG---



**M71**



*forward*

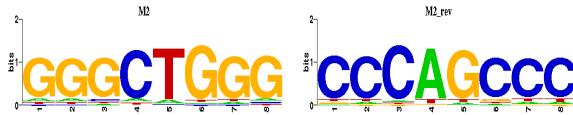


*reverse compliment*



<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0364.1_REI1	1.7635e-07	-CAGGGGAG NCAGGGG--	
MA0366.1_RGM1	2.1789e-06	CTCCCCTG --CCCCT-	
MA0342.1_MSN4	2.2343e-06	CAGGGGAG -AGGGG--	
MA0341.1_MSN2	5.4252e-06	CTCCCCTG --CCCCT-	
MA0344.1_NHP10	1.4420e-05	-CAGGGGAG NCCGGGGA-	

**M2**



*forward*

*reverse compliment*

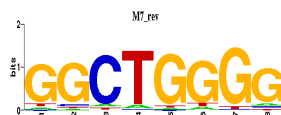
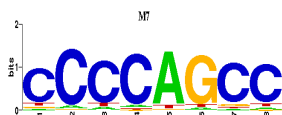
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.5279e-06	CCCAGCCC-- CCCCNCCCC	
MA0039.2_Klf4	4.9776e-05	-CCCAGCCC- GCCMCRCCCN	
MA0079.1_SP1	5.5743e-05	-CCCAGCCC- ACCCNGCCNN	
MA0267.1_ACE2	1.8728e-04	GGGCTGGG -NGCTGGN	

MA0402.1\_SWI5 5.4947e-04

-CCCAGCCC  
NACCAGCA-



**M7**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

MA0344.1\_NHP10 1.5891e-05

-CCCCAGCC  
TCCCCGN-



MA0039.2\_Klf4 2.4879e-05

-CCCCAGCC-  
GCCMCRCCCN



MA0079.1\_SP1 5.7893e-05

--GGCTGGGG  
NNGGCNGGGT



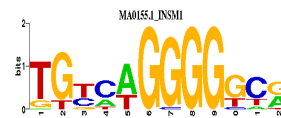
MA0332.1\_MET28 1.3330e-04

CCCCAGCC  
CCACAG--

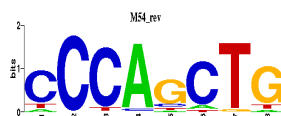
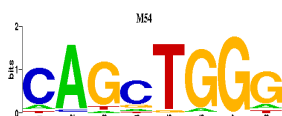


MA0155.1\_INSM1 1.3352e-04

-GGCTGGGG---  
TGYCAGGGGGCR



**M54**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

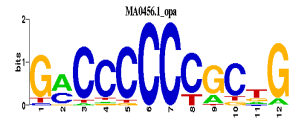
MA0048.1\_NHLH1 4.9156e-07

---CAGCTGGG-  
NCGCAGCTGCGN



MA0456.1\_opa 3.2007e-06

CAGCTGGG----  
CNGCGGGGGGKC



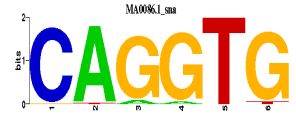
MA0055.1\_Myf 1.6287e-04

-CCCAGCTG---  
CAGCAGYTGCYK



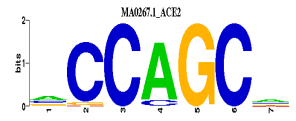
MA0086.1\_sna 1.6933e-04

CAGCTGGG  
CAGGTG--

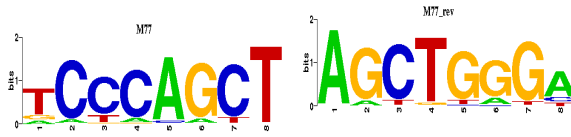


MA0267.1\_ACE2 1.7738e-04

CAGCTGGG  
-NGCTGGN



**M77**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

MA0267.1\_ACE2 2.0745e-04

AGCTGGGA  
NGCTGGN-



MA0048.1\_NHLH1 3.7323e-04

TCCCAGCT----  
NCGCAGCTGCGN



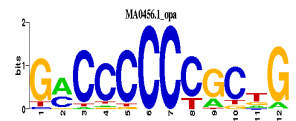
MA0402.1\_SWI5 4.0796e-04

AGCTGGGA  
TGCTGGTN



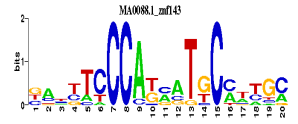
MA0456.1\_opa 7.9401e-04

-AGCTGGGA---  
CNGCGGGGGGKC

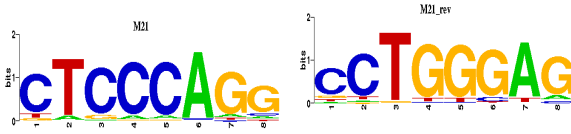


MA0088.1\_znf143 1.7287e-03

-----TCCCAGCT-----  
NNNNTCCCAKNNTKCMNNGM



**M21**

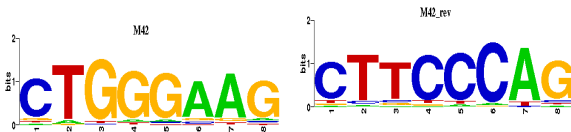


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0344.1_NHP10	1.2659e-05	CTCCCAGG- -TCCCCGGN	
MA0144.1_Stat3	4.5438e-04	CTCCCAGG--- -TCCNGGAAG	
MA0154.1_EBF1	8.5606e-04	--CCTGGGAG TCCCTNGGGN	
MA0162.1_Egr1	1.4665e-03	-CTCCCAGG-- MCGCCCACGCN	
MA0088.1_znf143	2.8307e-03	-----CCTGGGAG--- KCNNKGMANNMTGGANNNN	

**M42**



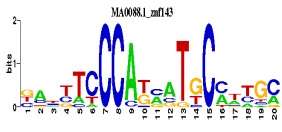
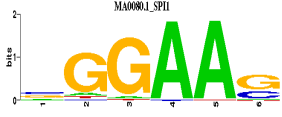

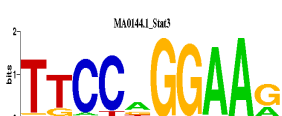

*forward*

*reverse compliment*

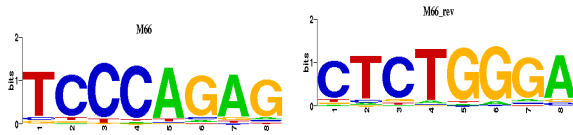
Name	E value	Alignment	Motif
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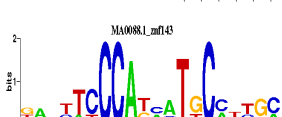

MA0088.1_znf143	3.6558e-05	-----CTGGGAAG-- KCNNKGMANNMTGGANNNN	
MA0080.1_SPI1	4.4359e-05	CTTCCCAG STTCN--	
MA0282.1_CEP3	4.7088e-05	CTTCCCAG NTTCCGAR	
MA0144.1_Stat3	1.5059e-04	CTTCCCAG-- CTTCNGGAA	
MA0305.1_GCR2	1.7241e-04	CTGGGAAG-- --NGGAAGC	

**M66**



*forward*

*reverse compliment*

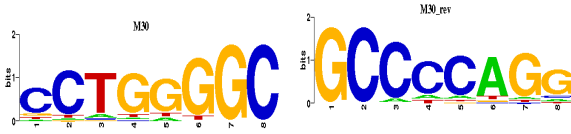
Name	E value	Alignment	Motif
MA0332.1_MET28	1.4439e-04	CTCTGGGA CTGTGG--	
MA0137.2_STAT1	5.6324e-04	---CTCTGGGA--- NNNTTCCNGGAARN	
MA0088.1_znf143	1.1123e-03	-----CTCTGGGA--- KCNNKGMANNMTGGANNNN	
MA0362.1_RDS2	1.2468e-03	TCCCAGAG -CCCCGAN	

MA0154.1\_EBF1 1.9945e-03

-CTCTGGGA-  
TCCCTNGGGN



**M30**

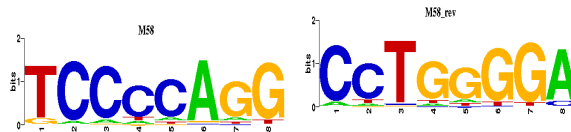


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0003.1_TFAP2A	8.7054e-07	-CCTGGGGC SCNNNNGGC	
MA0154.1_EBF1	2.1135e-06	--CCTGGGGC TCCCTNGGGN	
MA0163.1_PLAG1	1.5878e-05	---GCCCCAGG--- GGGGCCNAAGGGGG	
MA0332.1_MET28	1.1067e-04	GCCCCAGG -CCACAG-	
MA0268.1_ADR1	2.3138e-04	CCTGGGGC -KTGGGGN	






**M58**



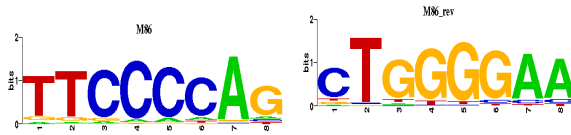
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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MA0154.1_EBF1	2.1220e-06	--CCTGGGGA TCCCTNGGGN	
MA0344.1_NHP10	1.3244e-05	CCTGGGGA NCCGGGGA	
MA0056.1_MZF1_1-4	2.0833e-05	TCCCCAGG TCCCN--	
MA0332.1_MET28	1.3962e-04	TCCCCAGG --CCACAG--	
MA0436.1_YPR022C	2.2348e-04	CCTGGGGA NGTGGGG--	

**M86**



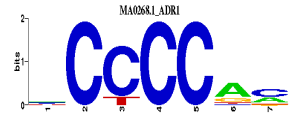
*forward*

*reverse compliment*

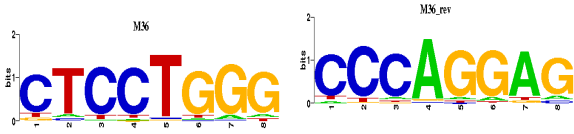
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	1.4027e-05	-CTGGGGAA NCCGGGGA-	
MA0056.1_MZF1_1-4	2.2097e-05	TTCCCCAG -TCCCN-	
MA0332.1_MET28	1.0386e-04	TTCCCCAG --CCACAG	
MA0105.1_NFKB1	1.4819e-04	CTGGGGAA----- --GGGGAATCCCC	

MA0268.1\_ADR1 2.2458e-04

CTGGGGAA  
KTGGGGN-



**M36**



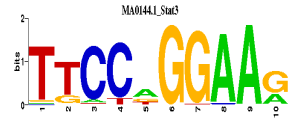
*forward*

*reverse compliment*

*Name E value Alignment Motif*

MA0144.1\_Stat3 2.6964e-05

-CTCCTGGG-  
CTTCNNGGAA



MA0086.1\_sna 1.4938e-04

CTCCTGGG  
CACCTG--



MA0154.1\_EBF1 6.2905e-04

CTCCTGGG--  
TCCCTNNGGN



MA0156.1\_FEV 8.1552e-04

CCCAGGAG--  
--CAGGAART

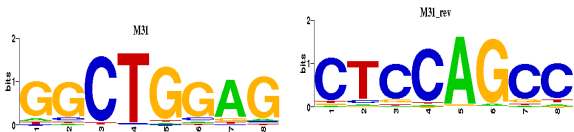


MA0364.1\_REI1 1.0344e-03

CCCAGGAG  
-NCAGGGG



**M31**



*forward*




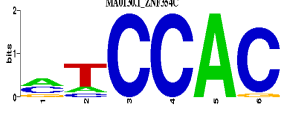
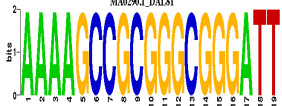
*reverse compliment*

*Name E value Alignment Motif*

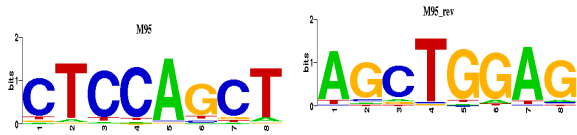


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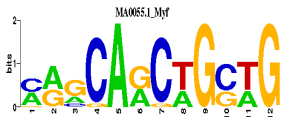


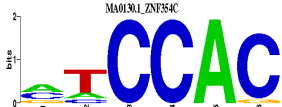
MA0410.1_UGA3	3.9175e-05	CTCCAGCC- -TCCCGCCN	
MA0267.1_ACE2	1.7472e-04	GGCTGGAG NGCTGGN-	
MA0402.1_SWI5	6.2215e-04	GGCTGGAG TGCTGGTN	
MA0130.1_ZNF354C	9.4447e-04	GGCTGGAG --GTGGAK	
MA0290.1_DAL81	1.6243e-03	-CTCCAGCC----- AATCCC GCCCGCGCTTTT	

M95



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	3.4431e-05	----AGCTGGAG MRGCARCTGCTG	
MA0267.1_ACE2	1.7948e-04	CTCCAGCT -NCCAGCN	
MA0402.1_SWI5	6.2550e-04	CTCCAGCT NACCAGCA	
MA0130.1_ZNF354C	9.8232e-04	CTCCAGCT MTCCAC--	

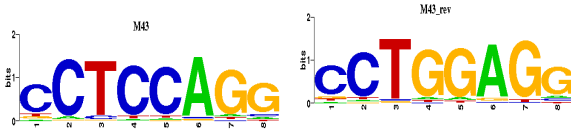
MA0451.1\_kni

3.4281e-03

---CTCCAGCT-  
NTGCTCTANTTT



**M43**

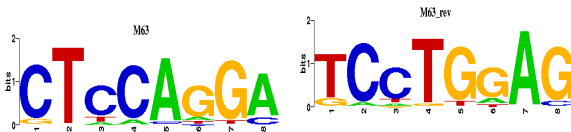


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0144.1_Stat3	3.2084e-05	---CCTGGAGG CTTCNNGGAA-	
MA0139.1_CTCF	2.0365e-04	-----CCTGGAGG--- NNSYGCCMCCRSTGGNNR	
MA0154.1_EBF1	2.8041e-04	--CCTGGAGG TCCCTNNGGN	
MA0130.1_ZNF354C	7.3183e-04	CCTGGAGG -GTGGAK-	
MA0003.1_TFAP2A	1.9114e-03	CCTCCAGG- SCNNNNGGC	

**M63**



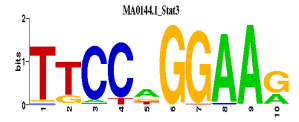
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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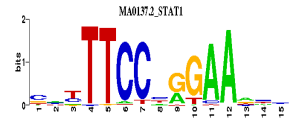
MA0144.1\_Stat3 3.8737e-08

CTCCAGGA--  
TTCNGGAAG



MA0137.2\_STAT1 6.3149e-05

---CTCCAGGA----  
NNNTTCCNGGAARNN



MA0154.1\_EBF1 2.9992e-04

-TCCTGGAG-  
TCCCTNGGGN



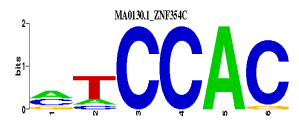
MA0156.1\_FEV 8.4526e-04

---TCCTGGAG  
AYTTCCTG---

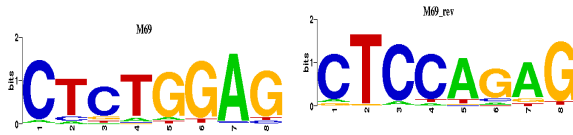


MA0130.1\_ZNF354C 1.0074e-03

TCCTGGAG  
--GTGGAK



**M69**



*forward*

*reverse compliment*

*Name* *E value*

*Alignment*

*Motif*

MA0332.1\_MET28 1.2705e-04

CTCTGGAG  
CTGTGG--



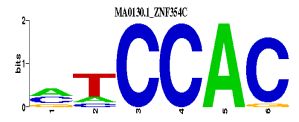
MA0247.1\_tin 2.9675e-04

CTCCAGAG  
YTCAAGTG



MA0130.1\_ZNF354C 7.1920e-04

CTCTGGAG  
--GTGGAK



MA0370.1\_RME1 8.5762e-04

---CTCTGGAG  
TNCCTTNN--



Stamp Results

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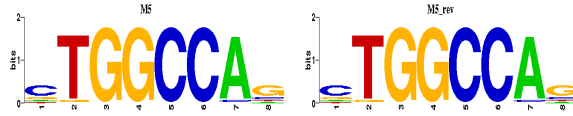
MA0154.1\_EBF1

8.6579e-04

-CTCTGGAG-  
TCCCTNGGGN



M5



*forward*

*reverse compliment*

Name

E value

Alignment

Motif

MA0381.1\_SKN7

1.3381e-04

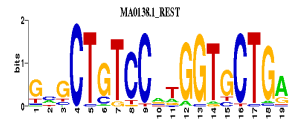
CTGGCCAG  
NYGGCC--



MA0138.1\_REST

1.3728e-03

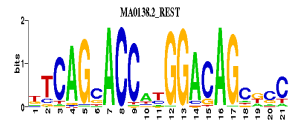
-----CTGGCCAG---  
TCAGCACCWNGGACAGCNC



MA0138.2\_REST

2.3589e-03

-----CTGGCCAG---  
NTCAGCACCNNGGACAGCNC



MA0213.1\_brk

5.5468e-03

CTGGCCAG  
RGCGCCRS



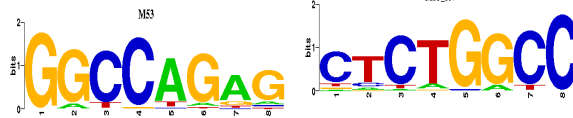
MA0092.1\_Hand1\_T

6.5464e-03

CTGGCCAG---  
-NWNCCAGAYN



M53



*forward*

*reverse compliment*

Name

E value

Alignment

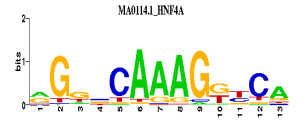
Motif

Stamp Results

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MA0114.1\_HNF4A 8.1821e-06

----CTCTGGCC-  
TGNMCTTTGNNCY



MA0092.1\_Hand1\_T 4.9309e-05

-GGCCAGAG-  
NWNCCAGAYN



MA0278.1\_BAS1 8.5329e-05

----GGCCAGAG-----  
NNNNRGGCCNGAGTCARNWNNN

MA0381.1\_SKN7 2.1750e-04

CTCTGGCC  
--NYGGCC

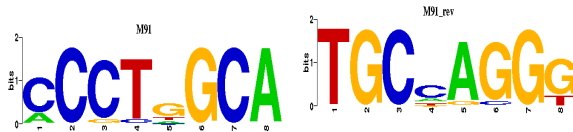


MA0332.1\_MET28 2.5431e-04

CTCTGGCC  
CTGTGG--



**M91**



*forward*

*reverse compliment*

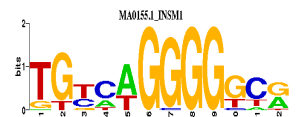
*Name* *E value*

*Alignment*

*Motif*

MA0155.1\_INSM1 5.1892e-08

----CCCTGGCA  
YGCCCCCTGRCA



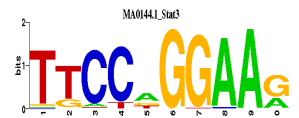
MA0344.1\_NHP10 1.4099e-05

TGCCAGGG-  
-NCCGGGGA



MA0144.1\_Stat3 3.9529e-05

--CCCTGGCA  
CTTCCNGGAA



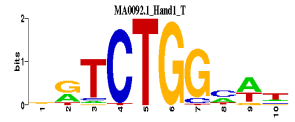
MA0106.1\_TP53 6.3240e-05

---TGCCAGGG-----  
ACATGCCCGGGCATGTCCNN

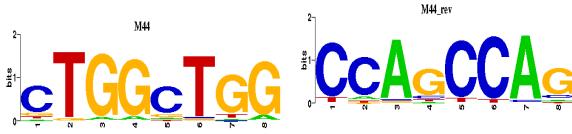


MA0092.1\_Hand1\_T 1.4657e-04

-TGCCAGGG-  
-NWNCCAGAYN



**M44**

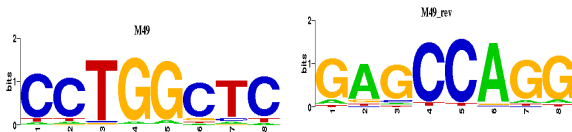


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0267.1_ACE2	1.8647e-04	CTGGCTGG- --NGCTGNN	
MA0145.1_Tcfcp211	3.6527e-04	CTGGCTGG----- CYGGNTNNRNCYGG	
MA0402.1_SWI5	6.5048e-04	--CCAGCCAG NACCAGCA--	
MA0144.1_Stat3	2.2362e-03	CTGGCTGG-- CTTCCNGGAA	
MA0092.1_Hand1_T	2.8700e-03	CCAGCCAG--- -NWNCCAGAYN	



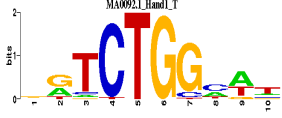


**M49**



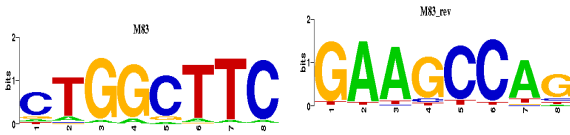
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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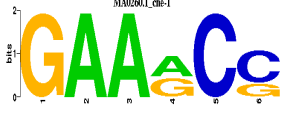



MA0213.1_brk	5.8989e-04	-GAGCCAGG RGCGCCRS-	
MA0368.1_RIM101	9.1991e-04	CCTGGCTC CTTGCR-	
MA0092.1_Hand1_T	2.3683e-03	--CCTGGCTC NRTCCTGGNWN	
MA0272.1_ARG81	2.4598e-03	-GAGCCAGG NGAGTCAN-	
MA0099.2_API	2.5175e-03	CCTGGCTC- --TGACTCA	

**M83**



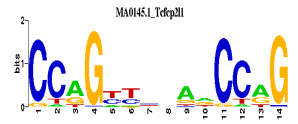
*forward*

*reverse compliment*

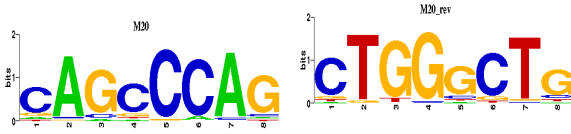
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0260.1_che-1	1.1107e-06	CTGGCTTC --GGYTTC	
MA0304.1_GCR1	2.4610e-06	CTGGCTTC-- --GGCTTCCA	
MA0263.1_ttx-3_c	1.5984e-05	-----GAAGCCAG- YTAACKAARCCAAT	
MA0305.1_GCR2	1.8132e-04	CTGGCTTC-- ---GCTTCCN	

MA0145.1\_Tcfcp211 1.9206e-04

CTGGCTTC-----  
CYGGNTNNRNCYGG



**M20**

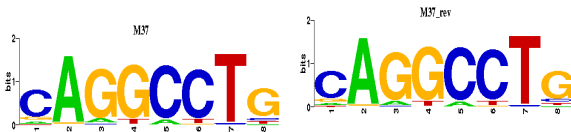


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0320.1_IME1	3.0322e-04	CTGGGCTG CTCGGCGG	
MA0368.1_RIM101	7.5797e-04	CAGCCCAG -YGCCAAG	
MA0162.1_Egr1	2.4944e-03	CAGCCCAG--- MCGCCCACGCN	
MA0145.1_Tcfcp211	1.0431e-02	-----CTGGGCTG- CYGGNTNNRNCYGG	
MA0083.1_SRF	1.0671e-02	-----CTGGGCTG CCATATATGGGC--	

**M37**



*forward*

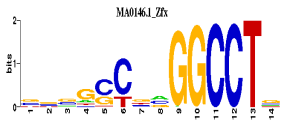




*reverse compliment*

Name	E value	Alignment	Motif
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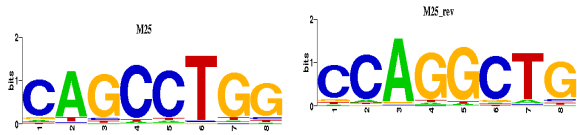


Stamp Results

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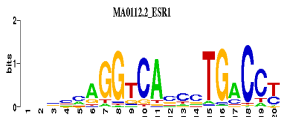
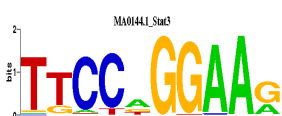

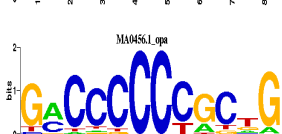
MA0146.1_Zfx	5.8122e-04	CAGGCCTG----- NAGGCCNNGGCNNN	
MA0086.1_sna	6.6650e-03	CAGGCCTG --CACCTG	
MA0450.1_hkb	6.9767e-03	CAGGCCTG- KGGGCGTGA	
MA0381.1_SKN7	7.5641e-03	CAGGCCTG NYGGCC--	
MA0340.1_MOT3	1.3731e-02	CAGGCCTG --TRCCTN	

M25



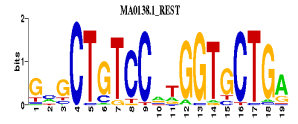
*forward*

*reverse compliment*

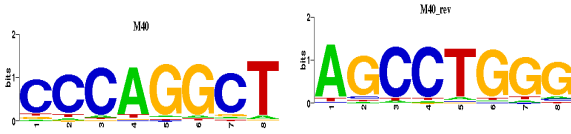
Name	E value	Alignment	Motif
MA0112.2_ESR1	6.7125e-04	---CCAGGCTG----- RGGTCANNNTGACCTNNNNN	
MA0144.1_Stat3	1.1286e-03	CAGCCTGG-- CTTCNGGAA	
MA0344.1_NHP10	3.4307e-03	--CCAGGCTG TCCCCGN--	
MA0456.1_opa	4.5765e-03	CAGCCTGG---- CNGCGGGGGK	

MA0138.1\_REST 5.6175e-03

----CAGCCTGG-----  
TCAGCACCWNGGACAGCNC



**M40**

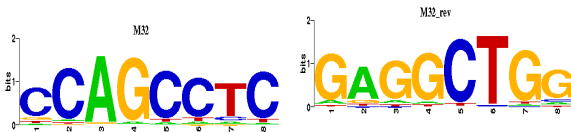


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0344.1_NHP10	1.7044e-05	-CCCAGGCT TCCCCGN-	
MA0162.1_Egr1	3.3086e-04	---CCCAGGCT MCGCCCACGCN	
MA0154.1_EBF1	6.9542e-04	AGCCTGGG-- TCCCTNNGGN	
MA0155.1_INSM1	1.1934e-03	----CCCAGGCT YGCCCCCTGRCA	
MA0003.1_TFAP2A	1.4825e-03	--CCCAGGCT SCNNNNGGC-	

**M32**




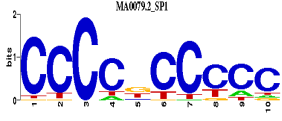

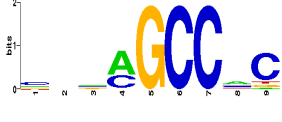

*forward*

*reverse compliment*

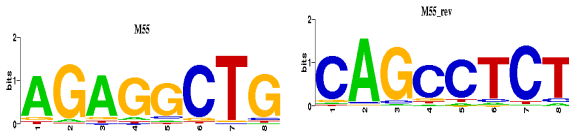
Name	E value	Alignment	Motif
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Stamp Results

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MA0267.1_ACE2	1.7761e-04	GAGGCTGG- --NGCTGGN	
MA0079.2_SP1	5.5225e-04	-GAGGCTGG- GGGGNGGGG	
MA0402.1_SWI5	6.2260e-04	--CCAGCCTC NACCAGCA--	
MA0285.1_CRZ1	5.6320e-03	GAGGCTGG- GNGGCTNNN	
MA0410.1_UGA3	7.2450e-03	GAGGCTGG- -NGGCGGGA	

M55



*forward*

*reverse compliment*

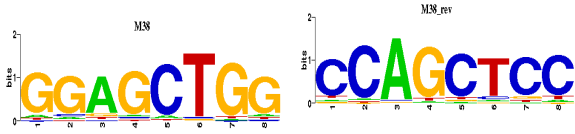
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	2.3349e-03	CAGCCTCT -TTCCKST	
MA0285.1_CRZ1	5.7608e-03	AGAGGCTG-- -GNGGCTNNN	
MA0342.1_MSN4	9.2712e-03	CAGCCTCT ---CCCCT	
MA0366.1_RGM1	9.3194e-03	CAGCCTCT ---CCCCT	

MA0271.1\_ARG80 9.7710e-03

AGAGGCTG  
WGACNC--



**M38**

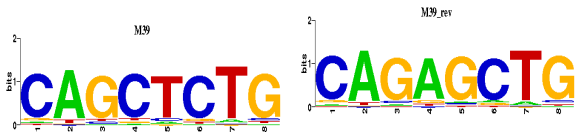


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0145.1_Tcfcp2l1	9.9053e-05	-----GGAGCTGG CYGGNTNNRNCYGG	
MA0138.2_REST	1.6263e-04	GGAGCTGG----- GNNGCTGTCCNNGGTGCTGAN	
MA0267.1_ACE2	1.7456e-04	GGAGCTGG-- --NGCTGGN	
MA0048.1_NHLH1	2.9609e-04	--GGAGCTGG-- NCGCAGCTGCGN	
MA0402.1_SWI5	6.1869e-04	--CCAGCTCC NACCAGCA--	






**M39**



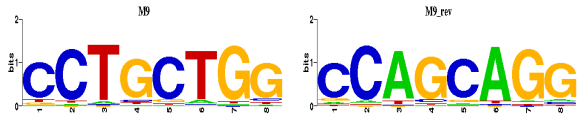
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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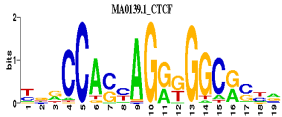

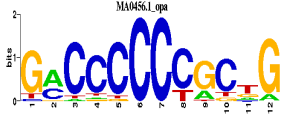


MA0048.1_NHLH1	2.0468e-03	-CAGAGCTG--- NCGCAGCTGCGN	
MA0335.1_MET4	4.0609e-03	-CAGAGCTG CCACAGNT-	
MA0389.1_SRD1	4.7195e-03	-CAGAGCTG NNAGATCT-	
MA0451.1_kni	1.1073e-02	CAGCTCTG---- NTGCTCTANTTT	
MA0121.1_ARR10	1.1397e-02	-CAGCTCTG NMRNATCT-	

**M9**

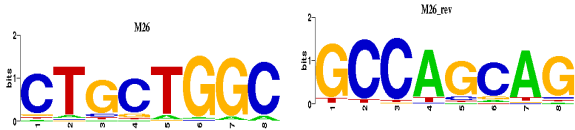


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
<b>MA0139.1_CTCF</b>	9.4488e-07	-----CCTGCTGG--- NNSYGCCMCTRSTGGNNR	
MA0402.1_SWI5	1.6594e-06	CCTGCTGG-- --TGCTGGTN	
MA0456.1_opa	1.3355e-04	CCAGCAGG----- -CNGCGGGGGGK	
MA0267.1_ACE2	1.8081e-04	CCTGCTGG- --NGCTGGN	
MA0055.1_Myf	5.9150e-04	-----CCTGCTGG MRGCARCTGCTG-	

**M26**

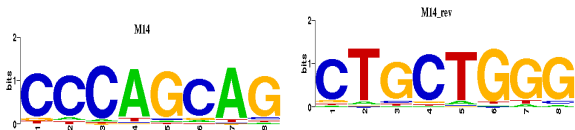


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0402.1_SWI5	1.7569e-06	-GCCAGCAG NACCAGCA-	
MA0267.1_ACE2	1.8767e-04	GCCAGCAG NCCAGCN-	
MA0139.1_CTCF	2.0409e-04	--GCCAGCAG----- YNNCCASYAGGKGGCRSNN	
MA0055.1_Myf	5.1453e-04	GCCAGCAG----- --CAGCAGYTGCYK	
MA0287.1_CUP2	9.6188e-04	-----CTGCTGGC CWTTTTYTGCTG--	

**M14**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0402.1_SWI5	1.7101e-06	CTGCTGGG- -TGCTGCTN	

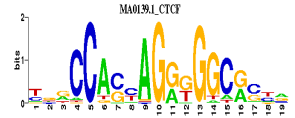
MA0267.1\_ACE2 1.8830e-04

CTGCTGGG  
-NGCTGGN



MA0139.1\_CTCF 2.5227e-04

-----CTGCTGGG--  
NNSYGCCMCTRSTGGNNR



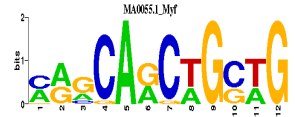
MA0150.1\_NFE2L2 4.1065e-04

CTGCTGGG----  
-TGCTNWTGTCAY

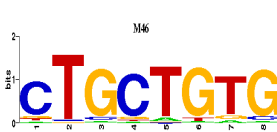


MA0055.1\_Myf 6.2988e-04

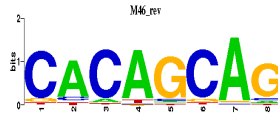
CCCAGCAG-----  
--CAGCAGYTGCYK



**M46**



*forward*



*reverse compliment*

*Name E value*

*Alignment*

*Motif*

MA0150.1\_NFE2L2 1.3966e-05

CTGCTGTG----  
-TGCTNWTGTCAY



MA0332.1\_MET28 1.8953e-05

CTGCTGTG-  
---CTGTGG



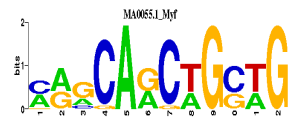
MA0454.1\_odd 1.2031e-04

---CTGCTGTG  
NTGCTACTGTN



MA0055.1\_Myf 7.6248e-04

CACAGCAG-----  
--CAGCAGYTGCYK

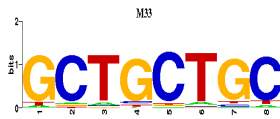


MA0402.1\_SWI5 7.6754e-04

CTGCTGTG-  
-TGCTGGTN



**M33**

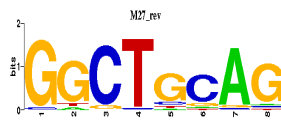
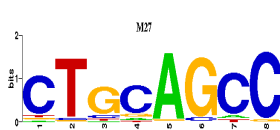


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	3.3985e-07	--GCAGCAGC-- MRGCARCTGCTG	
MA0048.1_NHLH1	4.8445e-07	--GCTGCTGC-- NCGCAGCTGCGN	
MA0454.1_odd	2.6436e-04	--GCTGCTGC-- NTGCTACTGTN	
MA0402.1_SWI5	7.9417e-04	--GCAGCAGC NACCAGCA--	
MA0287.1_CUP2	1.0353e-03	----GCTGCTGC CWTTTYTGCTG-	

**M27**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	3.2834e-04	----GGCTGCAG MRGCARCTGCTG	
MA0385.1_SOK2	9.4113e-04	---CTGCAGCC NNNMTGCAKNN	

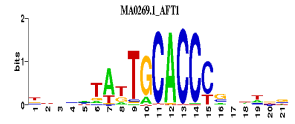


Stamp Results

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MA0269.1\_AFT1 2.2956e-03

-----GGCTGCAG-----  
NNNNNNGGGTGCAMTANNNNN



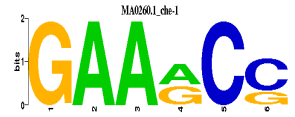
MA0410.1\_UGA3 2.8388e-03

CTGCAGCC-  
-TCCCGCCN

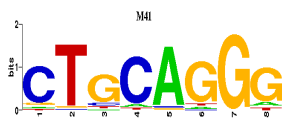


MA0260.1\_che-1 3.8583e-03

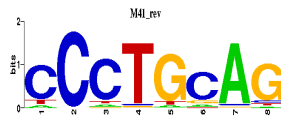
GGCTGCAG  
GGYTTC--



M41



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

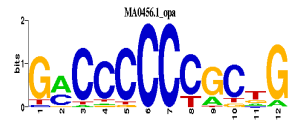
MA0364.1\_REI1 1.7443e-04

CTGCAGGG-  
--NCAGGGG



MA0456.1\_opa 3.7821e-04

CTGCAGGG----  
CNGCGGGGGGKC



MA0385.1\_SOK2 7.9413e-04

--CTGCAGGG-  
NNMTGCAKNNN



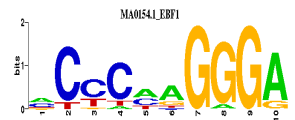
MA0366.1\_RGM1 1.8457e-03

CTGCAGGG-  
----AGGGG

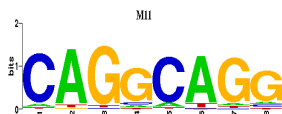


MA0154.1\_EBF1 1.9877e-03

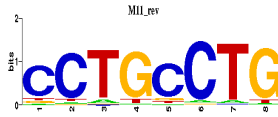
-CCCTGCAG-  
TCCCTNGGGN



M11



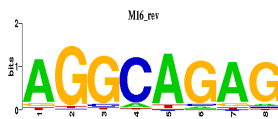
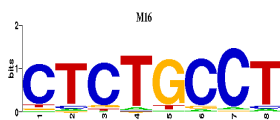
*forward*



*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0340.1_MOT3	2.6641e-05	CCTGCCTG --TRCCTN	
MA0144.1_Stat3	1.6656e-04	---CAGGCAGG TTCCNGGAAG-	
MA0156.1_FEV	2.3183e-04	CCTGCCTG AYTTCCTG	
MA0149.1_EWSR1-FLI1	8.4248e-04	----CCTGCCTG----- CCTTCCTTCCTTCCTTC	
MA0080.2_SPI1	8.9422e-04	CCTGCCTG ACTTCCT-	

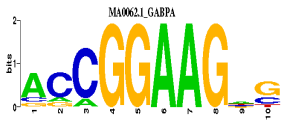


**M16**



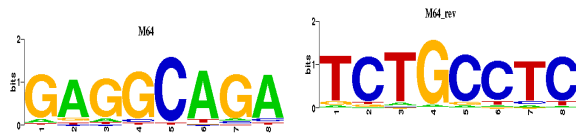
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0283.1_CHA4	3.6006e-05	-CTCTGCCT NCTCCGCC-	
MA0065.2_PPARG_RXRA	9.3513e-05	----CTCTGCCT--- TGMCCTTTGNCYNN	

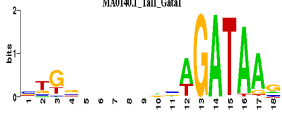

MA0062.1_GABPA	2.6463e-04	CTCTGCCT-- SNCTTCCGGT	
MA0340.1_MOT3	3.2863e-04	CTCTGCCT- ---TRCCTN	
MA0080.2_SPI1	8.6312e-04	AGGCAGAG AGGAAGT-	

**M64**

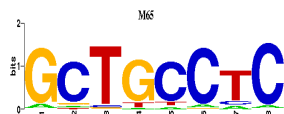


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0340.1_MOT3	2.5536e-04	TCTGCCTC --TRCCTN	
MA0140.1_Tal1_Gata1	5.6335e-04	----TCTGCCTC----- NTTATCTNNNNNNNNNCNN	
MA0099.2_AP1	1.2665e-03	-GAGGCAGA TGAGTCA--	
MA0080.2_SPI1	1.3585e-03	TCTGCCTC ACTTCCT-	
MA0065.2_PPARG_RXRA	1.9640e-03	-----TCTGCCTC-- TGMCCTTGNCCYNN	

**M65**



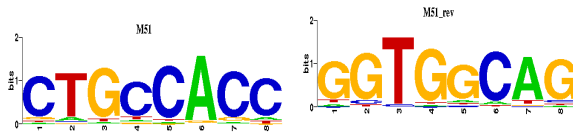
*forward*



*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0123.1_abi4	5.6208e-05	-GAGGCAGC- NGNNGCRSCG	
MA0340.1_MOT3	3.5920e-04	GAGGCAGC NAGGYA--	
MA0305.1_GCR2	6.7642e-04	GAGGCAGC -NGGAAGC	
MA0080.2_SPI1	7.6266e-04	GCTGCCTC ACTTCT-	
MA0099.2_AP1	9.9169e-04	-GAGGCAGC TGAGTCA--	

**M51**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0373.1_RPN4	2.3024e-07	CTGCCACC -CGCCACC	
MA0334.1_MET32	1.7481e-04	GGTGGCAG TGTTGCN-	

Stamp Results

10/01/13

MA0207.1\_achi 1.7587e-04

CTGCCACC  
CTGTCA--



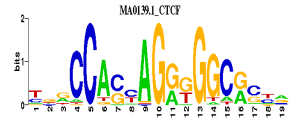
MA0227.1\_hth 3.8431e-04

CTGCCACC  
CTGTCA--

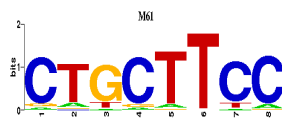


MA0139.1\_CTCF 1.1682e-03

--CTGCCACC-----  
NNSYGCCMCCTRSTGGNNR



M61



*forward*



*reverse complement*

*Name*

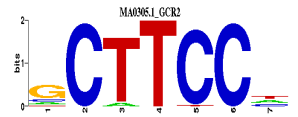
*E value*

*Alignment*

*Motif*

MA0305.1\_GCR2 2.0433e-07

-GGAAGCAG  
NGGAAGC--



MA0304.1\_GCR1 1.4834e-06

CTGCTTCC-  
-GGCTTCCA



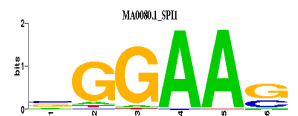
MA0323.1\_IXR1 1.0939e-05

--CTGCTTCC-----  
CMCCGCTTCCGGYTT



MA0080.1\_SPI1 3.9176e-05

CTGCTTCC-  
---STTCCN

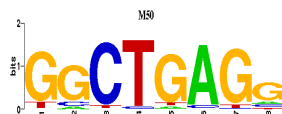


MA0080.2\_SPI1 1.9626e-04

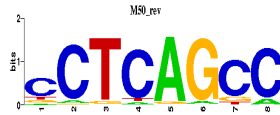
-GGAAGCAG  
AGGAAGT--



M50



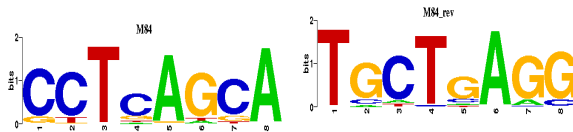
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
MA0283.1_CHA4	5.0788e-05	GGCTGAGG GGCGGAGN	
MA0150.1_NFE2L2	1.0984e-04	GGCTGAGG--- TGCTNWTGTCAY	
MA0332.1_MET28	1.9794e-04	CCTCAGCC CCACAG--	
MA0117.1_MafB	7.6745e-04	-CCTCAGCC NNNTCAGC-	
MA0065.2_PPARG_RXRA	8.2021e-04	---CCTCAGCC--- TGMCCTTTGNCCYNN	

**M84**



*forward*

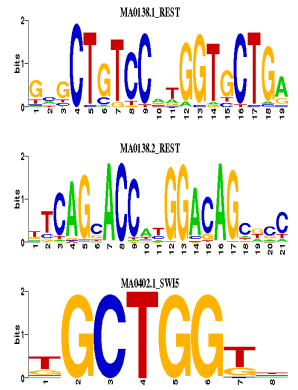
*reverse compliment*

Name	E value	Alignment	Motif
MA0150.1_NFE2L2	2.0855e-07	---CCTCAGCA RTGACWNAGCA	
MA0332.1_MET28	1.9460e-04	CCTCAGCA CCACAG--	

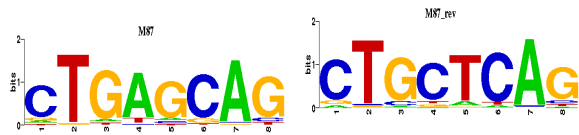
Stamp Results

10/01/13

MA0138.1_REST	4.1539e-04	CCTCAGCA----- --TCAGCACCWNGGACAGCNC
MA0138.2_REST	4.6064e-04	-----TGCTGAGG GNNGCTGTCCNNGGTGCTGAN-
MA0402.1_SWI5	8.1478e-04	TGCTGAGG TGCTGGTN



M87



*forward*

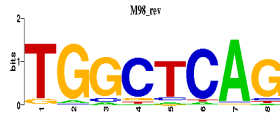
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0326.1_MAC1	6.7542e-06	CTGAGCAG-- -YGAGCAA	
MA0150.1_NFE2L2	2.8430e-03	CTGCTCAG---- -TGCTNWGTCAY	
MA0446.1_fkh	1.1754e-02	---CTGCTCAG TGTTTRNNYAN	
MA0451.1_kni	1.1989e-02	CTGCTCAG---- NTGCTCTANTTT	
MA0332.1_MET28	1.8607e-02	CTGCTCAG --CCACAG	

M98



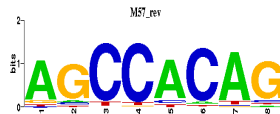
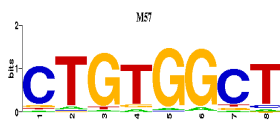
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
MA0150.1_NFE2L2	1.0670e-06	--CTGAGCCA-- TGCTNWTGTCAY	
MA0099.2_API	8.2238e-06	CTGAGCCA -TGAGTCA	
MA0263.1_ttx-3_c	4.2104e-05	----CTGAGCCA-- YTAACKAARCCAAT	
MA0326.1_MAC1	6.5022e-05	CTGAGCCA-- -YGAGCAAA	
MA0099.1_Fos	7.0201e-05	TGGCTCAG TGANTCAC	

**M57**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0332.1_MET28	4.0215e-09	AGCCACAG --CCACAG	
MA0334.1_MET32	1.6931e-07	CTGTGGCT -TGTTGCN	



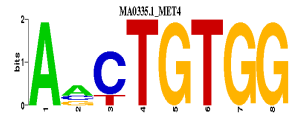
MA0002.2\_RUNX1 2.4114e-07

--CTGTGGCT--  
NNYTGTGGTTN



MA0335.1\_MET4 1.6063e-06

AGCCACAG--  
--CCACAGNT

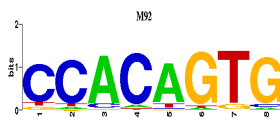


MA0285.1\_CRZ1 5.4712e-05

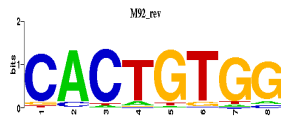
---AGCCACAG  
NNNAGCCNC--



**M92**



*forward*



*reverse compliment*

*Name*

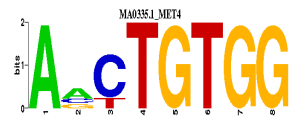
*E value*

*Alignment*

*Motif*

MA0335.1\_MET4 1.1816e-09

CCACAGTG  
CCACAGNT



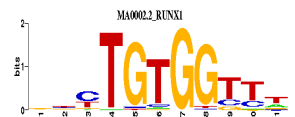
MA0332.1\_MET28 4.2084e-09

CCACAGTG  
CCACAG--



MA0002.2\_RUNX1 6.7676e-05

---CCACAGTG  
NAACCACARNN



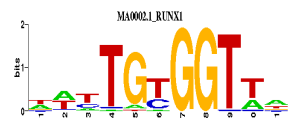
MA0334.1\_MET32 1.9198e-04

CACTGTGG--  
---TGTGGCN

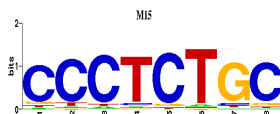


MA0002.1\_RUNX1 3.5476e-04

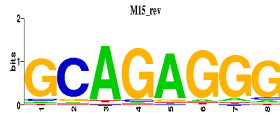
---CCACAGTG  
NAACCACARWW



**M15**



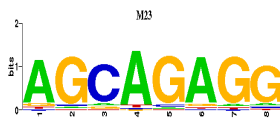
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
MA0065.2_PPARG_RXRA	3.7497e-05	--CCCTCTGC----- TGMCCCTTGNCCYNN	MA0065.2_PPARG_RXRA bits GG C AAGG TCA
MA0139.1_CTCF	1.4612e-04	-----CCCTCTGC----- NNSYGCCMCCTRSTGGNNR	MA0139.1_CTCF bits C C A C A G G G C C
MA0456.1_opa	4.9236e-04	--GCAGAGGG-- CNGCGGGGGGKC	MA0456.1_opa bits G C C C C C C G
MA0364.1_REI1	9.1880e-04	GCAGAGGG NCAGGGG-	MA0364.1_REI1 bits C C C C T G
MA0155.1_INSM1	1.0573e-03	--GCAGAGGG-- TGYCAGGGGGCR	MA0155.1_INSM1 bits T G T C A G G G G C C G


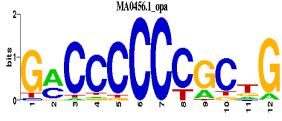

**M23**



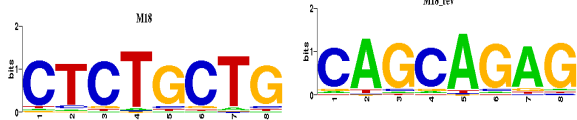
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0065.2_PPARG_RXRA	8.2037e-05	---CCTCTGCT---- TGMCCCTTGNCCYNN	MA0065.2_PPARG_RXRA bits GG C AAGG TCA
MA0139.1_CTCF	1.5644e-04	-----CCTCTGCT----- NNSYGCCMCCTRSTGGNNR	MA0139.1_CTCF bits C C A C A G G G C C


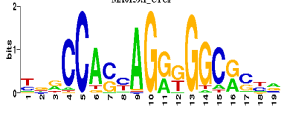

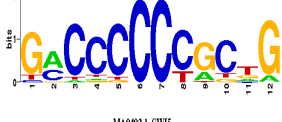

MA0287.1_CUP2	7.0200e-04	-AGCAGAGG-- CAGCARAAAWG	
MA0456.1_opa	7.1792e-04	---CCTCTGCT- GMCCCCCGCNG	
MA0364.1_REI1	9.2571e-04	CCTCTGCT CCCCTGN-	

**M18**

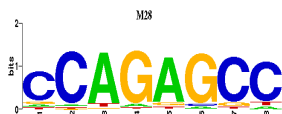


*forward*

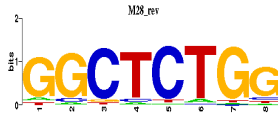
*reverse complement*

Name	E value	Alignment	Motif
MA0287.1_CUP2	2.7051e-06	---CTCTGCTG CWTTTTYGCTG	
MA0139.1_CTCF	1.5678e-04	----CAGCAGAG----- YNNCCASYAGGKGGCRSNN	
MA0055.1_Myf	6.4908e-04	----CTCTGCTG MRGCARCTGCTG	
MA0456.1_opa	6.5132e-04	----CTCTGCTG GMCCCCCGCNG	
MA0402.1_SWI5	7.8708e-04	---CAGCAGAG NACCAGCA---	

**M28**



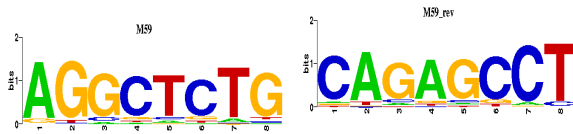
*forward*



*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	2.2045e-04	CCAGAGCC CCACAG--	
MA0278.1_BAS1	3.0110e-04	-----GGCTCTGG----- NNNWN YTGACTCNGGCYNNNN	
MA0451.1_kni	3.1263e-04	---CCAGAGCC-- AAANTAGAGCAN	
MA0316.1_HAP5	8.6253e-04	--GGCTCTGG----- NSSNNKCTNATTGGT	
MA0092.1_Hand1_T	2.8367e-03	---CCAGAGCC NWNCCAGAYN-	

**M59**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0316.1_HAP5	4.7611e-04	-----CAGAGCCT-- ACCAATNAGMNNSSN	
MA0138.2_REST	1.0648e-02	-----CAGAGCCT NTCAGCACCNNGGACAGCNNC-	

Stamp Results

10/01/13

MA0451.1\_kni 1.1414e-02

AGGCTCTG----  
NTGCTCTANTTT



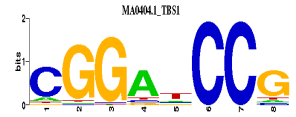
MA0053.1\_MNB1A 1.5008e-02

AGGCTCTG  
--NCTTT-

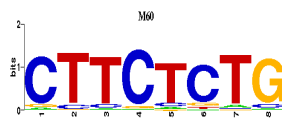


MA0404.1\_TBS1 1.5188e-02

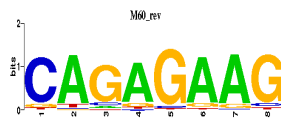
CAGAGCCT  
CGGNTCCG



**M60**



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

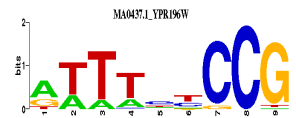
MA0035.2\_Gata1 3.0573e-04

--CAGAGAAG--  
NNAGATAANN



MA0437.1\_YPR196W 4.1374e-04

CAGAGAAG-  
CGGRNAAAT



MA0287.1\_CUP2 1.0995e-03

CTTCTCTG---  
CWTTTTGTCTG



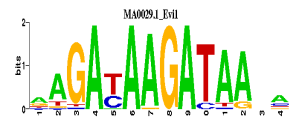
MA0289.1\_DAL80 1.2499e-03

CTTCTCTG  
CTTATCG-

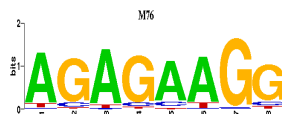


MA0029.1\_Evi1 1.8395e-03

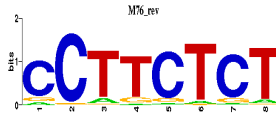
-----CTTCTCTG  
NNTTATCTTRCTN



**M76**



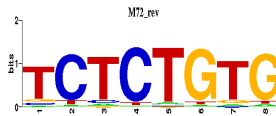
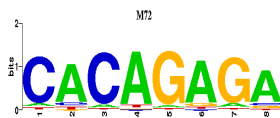
*forward*



*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	1.1126e-04	CCTTCTCT-- CCTTYYYTNN	
MA0035.2_Gata1	3.0706e-04	-CCTTCTCT-- NNNTTATCTNN	
MA0289.1_DAL80	1.2205e-03	AGAGAAGG CGATAAG-	
MA0029.1_Evi1	1.7932e-03	-AGAGAAGG----- NAGAYAAGATAANN	
MA0300.1_GAT1	3.3190e-03	CCTTCTCT- -CTTATCNN	



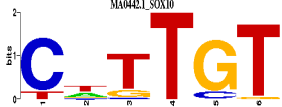
**M72**



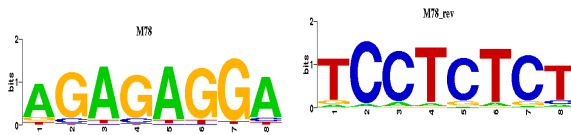
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	1.8390e-05	-CACAGAGA CCACAG----	
MA0159.1_RXR_RAR_DR5	1.7493e-04	-----TCTCTGTG----- TGACCTNYNNNTGAMCY	

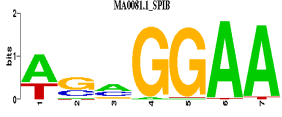
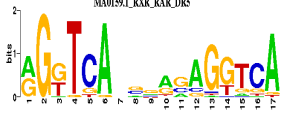
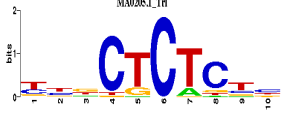
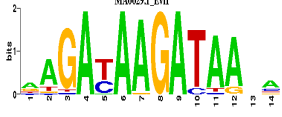
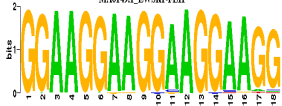
MA0335.1_MET4	7.1621e-04	-CACAGAGA CCACAGNT-	
MA0428.1_YKL222C	9.9080e-04	-TCTCTGTG ATYTCCGTN	
MA0442.1_SOX10	9.9852e-04	CACAGAGA -ACAAWG-	

**M78**

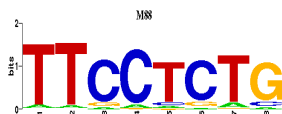


*forward*

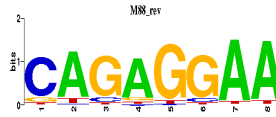
*reverse complement*

Name	E value	Alignment	Motif
MA0081.1_SPIB	4.0181e-06	-TCCTCTCT TTCKKST--	
MA0159.1_RXR_RAR_DR5	1.6402e-03	--TCCTCTCT----- TGACCTNYNNNTGAMCY	
MA0205.1_Trl	3.5816e-03	-TCCTCTCT- YNNCTCTCNN	
MA0029.1_Evi1	7.5118e-03	-----TCCTCTCT- NNTTATCTTRICTN	
MA0149.1_EWSR1-FLI1	8.7776e-03	-----TCCTCTCT--- CCTTCCTTCCTTCCTTCC	

**M88**



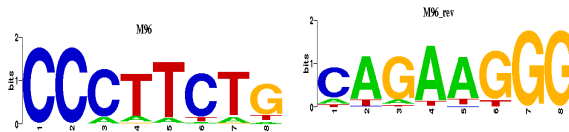
*forward*



*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	9.0380e-10	TTCCTCTG TTCKST-	
MA0370.1_RME1	4.4926e-07	--CAGAGGAA TNNAAGGNA	
MA0090.1_TEAD1	1.7652e-06	----TTCCTCTG YACATTCWSNG	
MA0080.2_SPI1	2.1401e-04	CAGAGGAA-- ---AGGAAGT	
MA0287.1_CUP2	4.7784e-04	---TTCCTCTG CWTTYTGCTG	

**M96**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0456.1_opa	1.2958e-03	CAGAAGGG---- CNGCGGGGGGKC	
MA0366.1_RGM1	1.9421e-03	CAGAAGGG-- ----AGGGG	



MA0091.1\_TAL1\_TCF3 1.9807e-03

--CCCTTCTG--  
NNAMCATCTGKT



MA0342.1\_MSN4 2.3426e-03

-CCCTTCTG  
CCCCT----

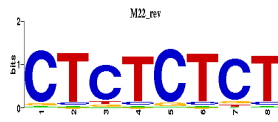
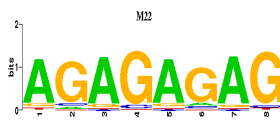


MA0062.2\_GABPA 3.7718e-03

--CCCTTCTG-  
NNCACTTCCGG



**M22**



*forward*

*reverse compliment*

*Name*

*E value*

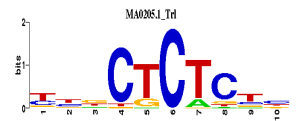
*Alignment*

*Motif*

MA0205.1\_Trl

3.7933e-03

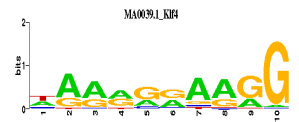
-AGAGAGAG-  
NNGAGAGNNR



MA0039.1\_Klf4

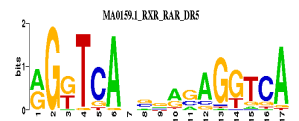
5.5578e-03

-CTCTCTCT-  
CCTTYYYTTN



MA0159.1\_RXR\_RAR\_DR5 7.3044e-03

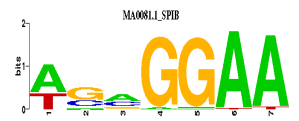
----CTCTCTCT----  
TGACCTNYNNNTGAMCY



MA0081.1\_SPIB

2.4555e-02

CTCTCTCT  
-TTCKST



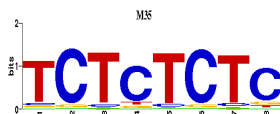
MA0207.1\_achi

2.6054e-02

CTCTCTCT  
--CTGTCA



**M35**



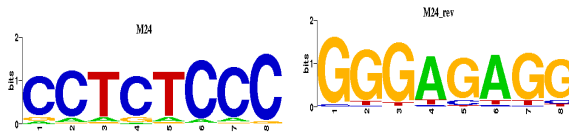
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
MA0140.1_Tal1_Gata1	1.7691e-03	-----GAGAGAGA----- NNGNNNNNNNNNAGATAAN	
MA0205.1_Trl	3.7294e-03	--GAGAGAGA NNGAGAGNNR	
MA0050.1_IRF1	1.5718e-02	----TCTCTCTC GGTTTCRNTTTN	
MA0057.1_MZF1_5-13	1.7171e-02	-TCTCTCTC- NTNCCCCTMN	
MA0051.1_IRF2	2.4943e-02	-----TCTCTCTC- NNWWNRSTTTTCRCTTCS	

**M24**



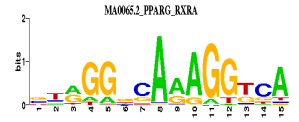
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0079.2_SP1	1.6940e-05	GGGAGAGG-- GGGGNGGGG	
MA0159.1_RXR_RAR_DR5	1.0505e-04	---CCTCTCCC----- TGACCTNYNNNTGAMCY	

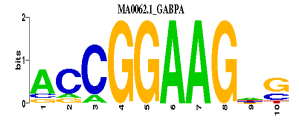
MA0065.2\_PPARG\_RXRA 3.3142e-04

---CCTCTCCC---  
TGMCCTTTGNCYYNN



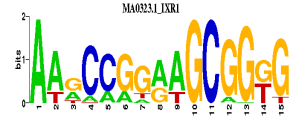
MA0062.1\_GABPA 3.6521e-04

CCTCTCCC---  
-SNCTTCCGGT

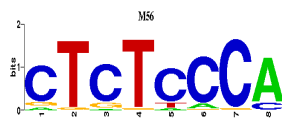


MA0323.1\_IXR1 4.9301e-04

--CCTCTCCC-----  
CMCCGCTTCCGGYTT



**M56**



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

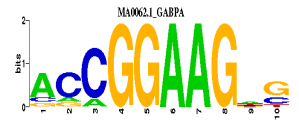
MA0432.1\_YNR063W 1.5066e-05

CTCTCCCA  
ATCTCCGA



MA0062.1\_GABPA 1.6943e-04

CTCTCCCA--  
SNCTTCCGGT



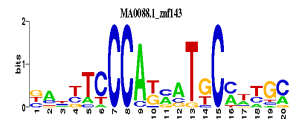
MA0354.1\_PDR8 7.0598e-04

CTCTCCCA  
ATCTCCGN



MA0088.1\_znf143 1.0065e-03

-----TGGGAGAG-  
KCNNKGMANNMTGGGANNNN

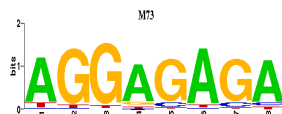


MA0140.1\_Tal1\_Gata1 1.1280e-03

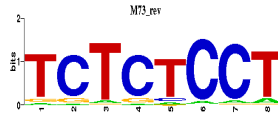
-----CTCTCCCA-----  
NTTATCTNNNNNNNNCNN



**M73**



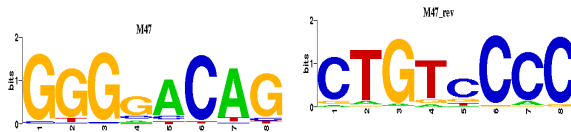
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
MA0140.1_Tal1_Gata1	6.0333e-04	----TCTCTCCT----- NTTATCTNNNNNNNNNCNN	
MA0354.1_PDR8	6.6042e-04	TCTCTCCT- -ATCTCCGN	
MA0432.1_YNR063W	7.2681e-04	TCTCTCCT- -ATCTCCGA	
MA0009.1_T	8.8551e-04	--AGGAGAGA- CTAGGTGTGAA	
MA0422.1_YDR520C	8.9567e-04	-TCTCTCCT- NTAWNTCCGN	



**M47**



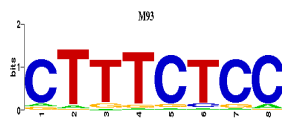
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0140.1_Tal1_Gata1	4.4885e-07	----CTGTCCCC----- NTTATCTNNNNNNNNNCNN	
MA0299.1_GAL4	2.3122e-06	--GGGGACAG----- CGNANNANANYNNTC	

MA0056.1_MZF1_1-4	2.4291e-05	CTGTCCCC- ---TCCCCN	
MA0207.1_achi	2.6319e-05	CTGTCCCC CTGTCA--	
MA0227.1_hth	5.4726e-05	CTGTCCCC CTGTCA--	

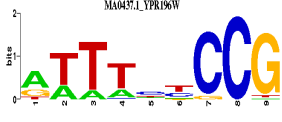

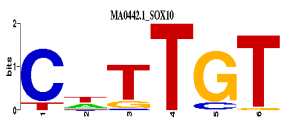
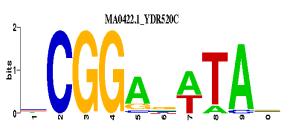

**M93**



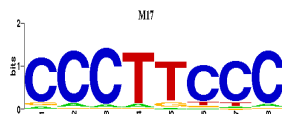
*forward*



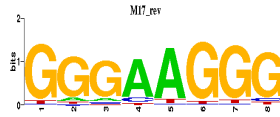
*reverse compliment*

Name	E value	Alignment	Motif
MA0437.1_YPR196W	1.0561e-07	-GGAGAAAG CGGRNAAAT	
MA0294.1_EDS1	1.8071e-04	CTTTCTCC- NTTNTCCN	
MA0442.1_SOX10	2.8393e-04	GGAGAAAG --ACAAG	
MA0422.1_YDR520C	3.2063e-04	CTTTCTCC-- NTAWNTCCGN	
MA0432.1_YNR063W	3.2772e-04	CTTTCTCC-- --ATCTCCGA	

**M17**



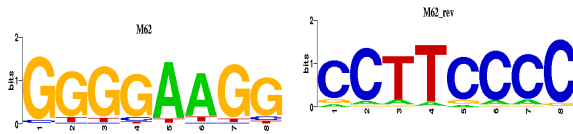
*forward*



*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SPI1	5.1847e-06	CCCTTCCC-- CCCCNCCCC	
MA0039.1_Klf4	3.1436e-05	CCCTTCCC--- -CCTTYYYTTN	
MA0080.1_SPI1	4.7126e-05	CCCTTCCC --STCCN	
MA0305.1_GCR2	1.7737e-04	CCCTTCCC -GCTCCN	
MA0080.2_SPI1	1.9144e-04	CCCTTCCC -ACTTCT	

**M62**



*forward*

*reverse compliment*

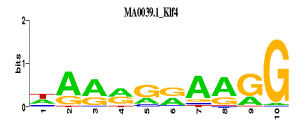
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SPI1	6.2983e-06	GGGGAAGG-- GGGGNGGGG	
MA0056.1_MZF1_1-4	2.3004e-05	CCTTCCCC- ---TCCCCN	

Stamp Results

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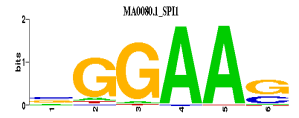
MA0039.1\_Klf4 4.5363e-05

--GGGGAAGG  
NAARRRAAGG



MA0080.1\_SPI1 5.2103e-05

CCTTCCCC  
-STCCN-

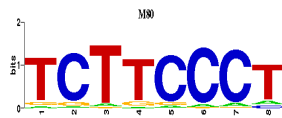


MA0105.1\_NFKB1 1.4771e-04

GGGGAAGG---  
GGGGAATCCCC



M80



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

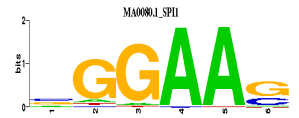
MA0062.1\_GABPA 2.8246e-05

-AGGGAAGA-  
ACCGGAAGNS



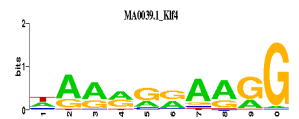
MA0080.1\_SPI1 3.9320e-05

AGGGAAGA  
-NGGAAS-



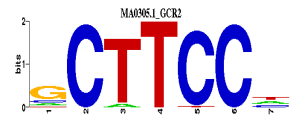
MA0039.1\_Klf4 1.2023e-04

--AGGGAAGA  
NAARRRAAGG



MA0305.1\_GCR2 1.8060e-04

AGGGAAGA  
-NGGAAGC

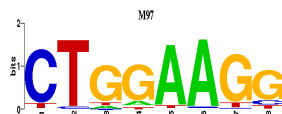


MA0080.2\_SPI1 2.1217e-04

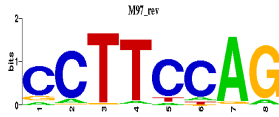
AGGGAAGA  
-AGGAAGT



M97



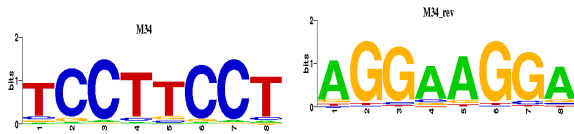
*forward*



*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0304.1_GCR1	2.5065e-06	-CCTTCCAG GGCTTCCA-	
MA0026.1_Eip74EF	1.6716e-05	CCTTCCAG -YTCCGG	
MA0144.1_Stat3	3.1909e-05	CCTTCCAG---- --TTCNGGAAG	
MA0080.1_SPI1	5.0179e-05	CCTTCCAG -STCCN-	
MA0076.1_ELK4	6.4240e-05	CCTTCCAG- ACTTCCGGT	

**M34**

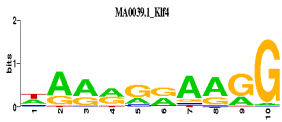
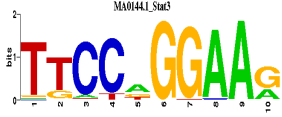
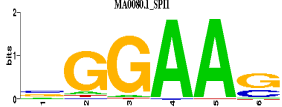


*forward*

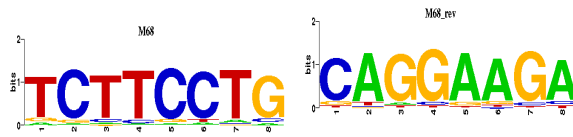
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	9.8395e-11	-----AGGAAGGA--- GGAAGGAAGGAAGGAAGG	
MA0080.2_SPI1	2.0570e-07	TCCTTCCT -ACTTCCT	



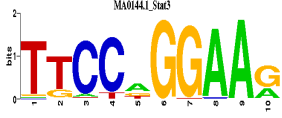




MA0039.1_Klf4	5.4697e-06	TCCTTCCT--- -CCTTYYYTTN	
MA0144.1_Stat3	4.4139e-05	TCCTTCCT---- --CTTCNGGAA	
MA0080.1_SPI1	4.7069e-05	TCCTTCCT --STCCN	

**M68**

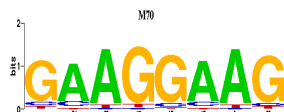


*forward*

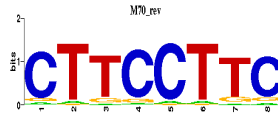
*reverse compliment*

Name	E value	Alignment	Motif
MA0144.1_Stat3	5.9603e-08	---CAGGAAGA TTCCNGGAAG-	
MA0156.1_FEV	8.1701e-08	CAGGAAGA CAGGAART	
<b>MA0062.1_GABPA</b>	1.3916e-07	-TCTTCCTG- SNCTTCCGGT	
MA0080.2_SPI1	2.1755e-07	TCTTCCTG ACTTCCT-	
MA0026.1_Eip74EF	2.8971e-07	TCTTCCTG -YTTCGG	

**M70**



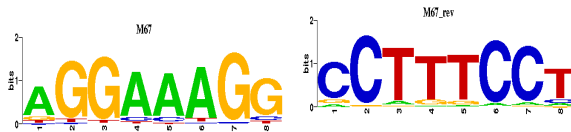
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
MA0149.1_EWSR1-FLI1	1.1286e-10	-CTTCCTTC----- CCTTCCTTCCTTCCTTC	MA0149.1_EWSR1-FLI1 bits GGAAGGAGGAAGGAGG
MA0080.2_SPI1	2.4914e-07	-CTTCCTTC ACTTCCT--	MA0080.2_SPI1 bits AGGAA GT
MA0370.1_RME1	3.1231e-05	CTTCCTTC--- -TNCCTTTNNA	MA0370.1_RME1 bits TAAAGG A
MA0039.1_Klf4	3.3438e-05	-CTTCCTTC- CCTTYYYTTN	MA0039.1_Klf4 bits AAAGG
MA0080.1_SPI1	4.3228e-05	CTTCCTTC STTCN--	MA0080.1_SPI1 bits GGAA G

**M67**



*forward*

*reverse compliment*

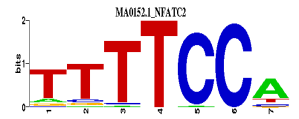
Name	E value	Alignment	Motif
MA0039.1_Klf4	5.4824e-07	CCTTTCCCT-- CCTTYYYTTN	MA0039.1_Klf4 bits AAAGG
MA0156.1_FEV	2.9051e-05	CCTTTCCCT- -AYTTCCTG	MA0156.1_FEV bits CAGGAA T

Stamp Results

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MA0152.1\_NFATC2 1.8782e-04

AGGAAAGG  
TGGAAAA-



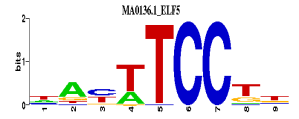
MA0080.2\_SPI1 2.1325e-04

CCTTTCCT  
-ACTTCCT

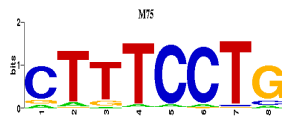


MA0136.1\_ELF5 6.5198e-04

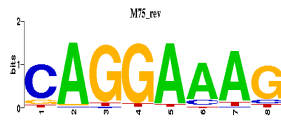
-AGGAAAGG  
NMGGAARTN



M75



*forward*



*reverse complement*

*Name*

*E value*

*Alignment*

*Motif*

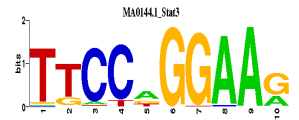
MA0156.1\_FEV 1.8138e-08

CTTTCCTG  
AYTTCCTG



MA0144.1\_Stat3 1.6474e-05

CTTTCCTG---  
-CTTCCNGGAA



MA0026.1\_Eip74EF 7.6034e-05

CTTTCCTG  
-YTTCCGG



MA0090.1\_TEAD1 1.7259e-04

--CAGGAAAG--  
CNSWGAATGTR

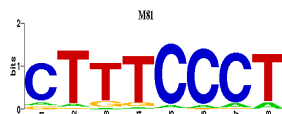


MA0081.1\_SPIB 1.8315e-04

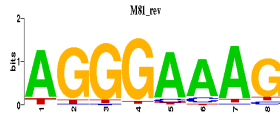
-CAGGAAAG  
ASMGGAA--



M81



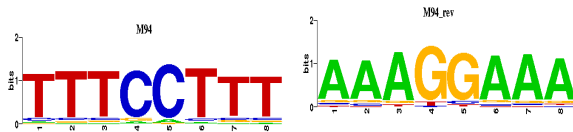
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
MA0039.1_Klf4	1.1441e-04	--AGGGAAAG NAARRRAAGG	
MA0152.1_NFATC2	1.9362e-04	AGGGAAAG -TGGAAAA	
MA0051.1_IRF2	2.4117e-04	----AGGGAAAG----- SGAAAGYGAAASYNWNN	
MA0438.1_YRM1	7.0454e-04	CTTTCCT ATNTCCGN	
MA0120.1_id1	7.2875e-04	----AGGGAAAG CGNNANNRRMNA-	

**M94**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0277.1_AZF1	4.0011e-09	TTTCCTTT- TTTCCTTTT	
MA0370.1_RME1	2.2110e-08	TTTCCTTT--- -TNCCTTTNNA	

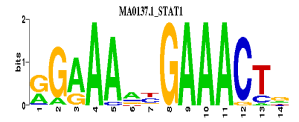
MA0120.1\_id1 7.6570e-07

---AAAGGAAA--  
CGNNANRRMNA



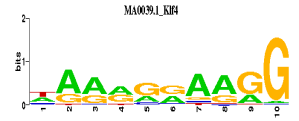
MA0137.1\_STAT1 3.3129e-06

---AAAGGAAA---  
RGAAANNGAAACTN

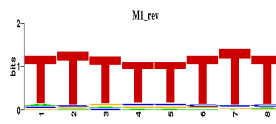
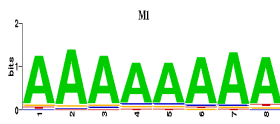


MA0039.1\_Klf4 8.4369e-06

-TTTCCTTT-  
CCTTYYYTNN



**M1**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

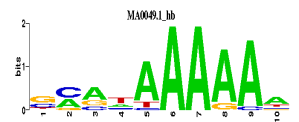
MA0277.1\_AZF1 6.5539e-08

-TTTTTTTT  
TTTCTTTTT



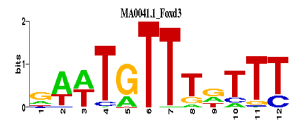
MA0049.1\_hb 3.1065e-06

-TTTTTTTT-  
NTTTTNYKS



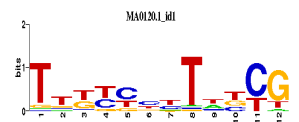
MA0041.1\_Foxd3 8.0000e-05

AAAAAAA-----  
-AAANAAACAWTN



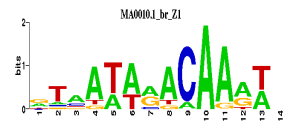
MA0120.1\_id1 4.6269e-04

TTTTTTTT----  
TNKYNNNTNCG

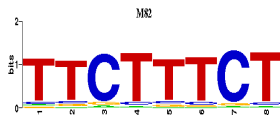



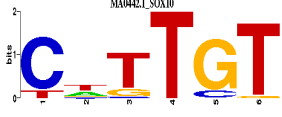

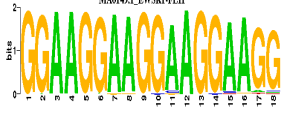

MA0010.1\_br\_Z1 1.1761e-03

-TTTTTTTT-----  
NWTGTYTATNAN

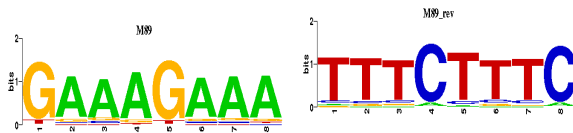



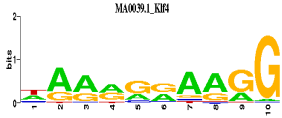

**M82**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	8.3801e-08	-TTCTTTCT TTTCTTTTT	
MA0442.1_SOX10	3.9741e-04	AGAAAGAA ACAAGW--	
MA0080.2_SPI1	6.1689e-04	AGAAAGAA AGGAAGT-	
MA0149.1_EWSR1-FLI1	1.0762e-03	-----TTCTTTCT CCTTCCTTCCTTCCTTC	
MA0407.1_THI2	1.6345e-03	-TTCTTTCT----- GTTCTTASRGTTKCC	

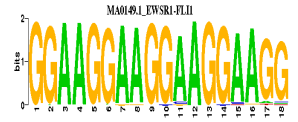
**M89**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	3.8341e-09	TTTCTTTC- TTTCTTTTT	
MA0039.1_Klf4	2.1737e-05	--TTTCTTTC CCTTYYYTTN	
MA0370.1_RME1	6.2409e-05	TTTCTTTC-- TNCCTTTNNA	

MA0149.1\_EWSR1-FLI1 1.0638e-03

-GAAAGAAA-----  
GGAAGGAAGGAAGGAAGG

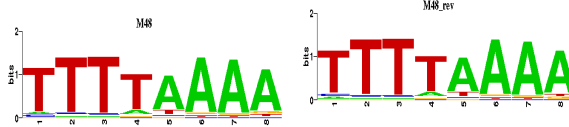


MA0216.1\_cad 1.4616e-03

GAAAGAAA  
-YAATAAA



**M48**



*forward*

*reverse compliment*

*Name E value Alignment Motif*

MA0151.1\_ARID3A 7.2646e-05

TTTTAAAA  
-TTTAAT-



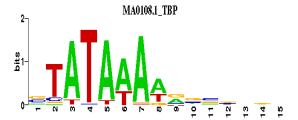
MA0218.1\_ct 1.3659e-03

TTTTAAAA  
GTTYAA--



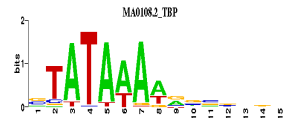
MA0108.1\_TBP 1.5579e-03

-----TTTTAAAA  
NNNNNNYWTTTATAN



MA0108.2\_TBP 1.5622e-03

-----TTTTAAAA  
NNNNNNYWTTTATAN

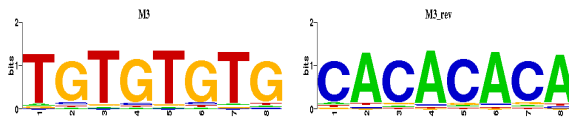


MA0173.1\_CG11617 1.5633e-03

TTTTAAAA-  
--TTWACAT

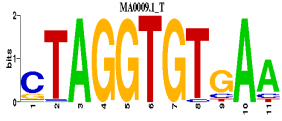
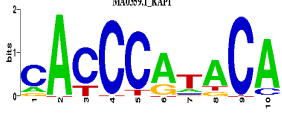

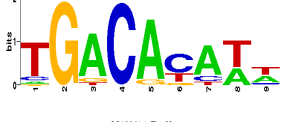



**M3**

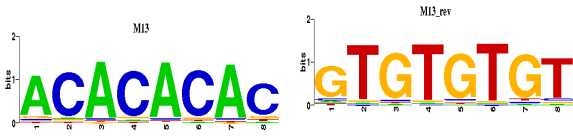


*forward*

*reverse compliment*

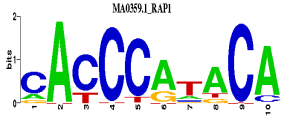

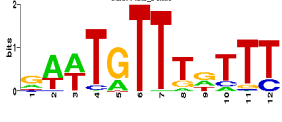

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0009.1_T	1.0873e-03	--CACACACA- TTCACACCTAG	
MA0359.1_RAP1	1.3674e-03	--CACACACA CACCCATAACA	
MA0327.1_MATA1	1.8268e-03	--TGTGTGTG ATTGTGY---	
MA0288.1_CUP9	2.5105e-03	TGTGTGTG- WWTGTGTCA	
MA0041.1_Foxd3	2.5147e-03	-CACACACA--- AAANAAACAWTN	

**M13**



*forward*

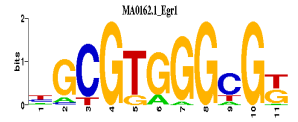
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0359.1_RAP1	1.3240e-03	-ACACACAC- CACCCATAACA	
MA0327.1_MATA1	1.5857e-03	GTGTGTGT -ATTGTGY	
MA0041.1_Foxd3	2.3073e-03	--ACACACAC-- AAANAAACAWTN	
MA0288.1_CUP9	2.5061e-03	-GTGTGTGT WWTGTGTCA	

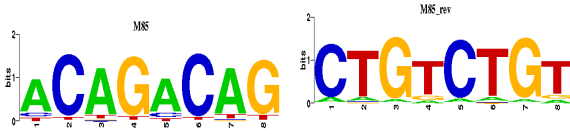


MA0162.1\_Egr1 3.8537e-03

ACACACAC---  
MCGCCACGCN



**M85**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0207.1_achi	2.3418e-05	CTGTCTGT CTGTCA--	
MA0227.1_hth	4.4012e-05	CTGTCTGT CTGTCA--	
MA0138.1_REST	2.3699e-03	---CTGTCTGT----- GNGCTGTCCNWWGGTGCTGA	
MA0138.2_REST	2.5902e-03	----CTGTCTGT----- GNNGCTGTCCNNGGTGCTGAN	
MA0041.1_Foxd3	2.7460e-03	--ACAGACAG-- AAANAAACAWTN	

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