



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

Input file: 98 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 :          -TTTTTTTT-----
M1 :          -----TTTTAAAA
M2 :          ---TTCCTTT-----
M3 :          --TTCCTT-----
M4 :          ----TTCCTT-----
M5 :          ----TGTGTGTG----
M6 :          -----TCCTTCCT---
M7 :          ---CTCTCTCT-----
M8 :          --CCCCCCCC-----
M9 :          -----TGCTTTTT---
M10 :         ----CTCCTCCC-----
M11 :         --TCCTCCTC-----
M12 :         -CCTTCCT-----
M13 :         --TCTCCTC-----
M14 :         -CTCTGCCT-----
M15 :         ---GCTGCTGC-----
M16 :         -----CCTCCCTC--
M17 :         -----CCTTCTCT--
M18 :         --CCCTCCTC-----
M19 :         -CTTCCCT-----
M20 :         -TCTCCT-----
M21 :         -----CCCTTCCC---
M22 :         CCCCACC-----

```

## Stamp Results

10/01/13

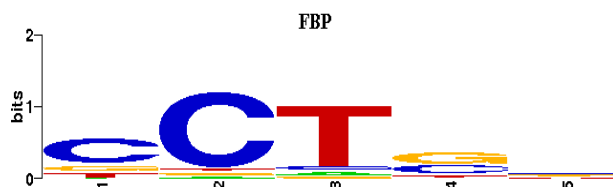
M23: ----TCCCTCCC----  
M24: -----CTCTGCAG---  
M25: ---CTGCCTCT-----  
M26: ---AGGCCTGG-----  
M27: -----CTGCTTCC-  
M28: -----CCTCTGCT--  
M29: -CAGCTCCT-----  
M30: ---CAGCCTCC-----  
M31: --CAGGCCTG-----  
M32: -CCACCCCC-----  
M33: -----CCTCCCCT--  
M34: -CAGAGCCT-----  
M35: ---TCCCCTCC-----  
M36: ----TTCCTCAG----  
M37: -----CCTCTCCC--  
M38: --CCTGCCTG-----  
M39: -TCTTCCT-----  
M40: -----GGCTGCAG---  
M41: -CCCAGCCT-----  
M42: -----CCTCCCAG--  
M43: -CTGGGCCT-----  
M44: --CAGCTCTG-----  
M45: -----TCCTCCAG---  
M46: --CTGCCCTG-----  
M47: -TGGCTCCT-----  
M48: ---GGCTCTGG-----  
M49: -----GGCTGGGG---  
M50: -----CTGCTGGG-  
M51: -----CTGGCTCC-  
M52: -----CCCTTTCT---  
M53: ---GGGCCTGG-----  
M54: ---CAGCCTGG-----  
M55: ---CTGCCTGC-----  
M56: -----GCCTCTGC---  
M57: ---AGAGCTGG-----  
M58: -----TCCTGGGA---  
M59: -----GCTCTGGG---  
M60: -----CTGGGGAG-  
M61: -----CTCTGTCC---  
M62: ---GAGCTGGG-----  
M63: -----CCCTCTCC---  
M64: ---AGGCCTCT-----  
M65: -----CTGTGGCT-

## Stamp Results

10/01/13

```
M66: ----CCCCTTCC----
M67: -GGCTTCCT-----
M68: -CTGTCCCT-----
M69: -----GCCTGGAG---
M70: -----CCTGGCTC--
M71: ----AGCCTCAG----
M72: -----CCTGGGCC--
M73: -----CCTGGAGG--
M74: -TGCTGCCT-----
M75: ---CACCCCA-----
M76: --GCCTCCTG-----
M77: ----GGGCTGAG----
M78: -----GCCTGGGC---
M79: ---TTCCTTC-----
M80: -----CTGCTCAG-
M81: -----CCGCCGCC--
M82: -----GCTGGGCT--
M83: ---AGAGCTGC-----
M84: -TCTGGCCT-----
M85: ---TTCTCTGA-----
M86: -----CCACCCCA--
M87: ---GGAGCTGC-----
M88: ----GGCCTCCC----
M89: ----TCCTGAAA----
M90: --GTTTCCTG-----
M91: ----CTTCTGCC----
M92: ----GCCCCGCC----
M93: --AGGCCTCC-----
M94: --CTGGCCTC-----
M95: -----GCTGGCTG--
M96: -----CCTGCCCA--
M97: ----TGGCTGCC----
```

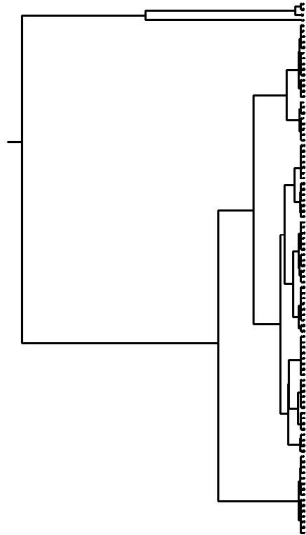
**Familial Profile:**  
**(click for matrix)**

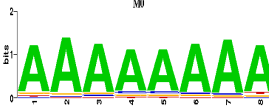

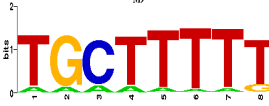

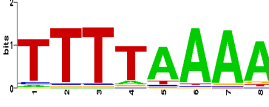



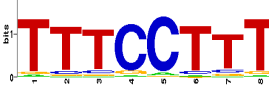

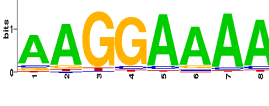
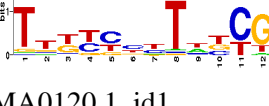
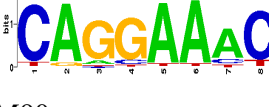

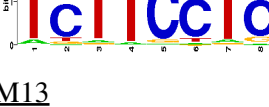



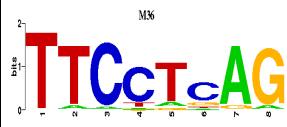

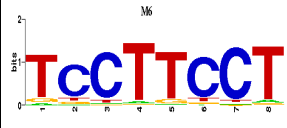
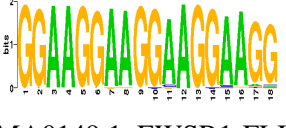
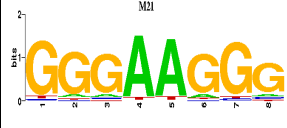
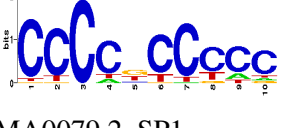
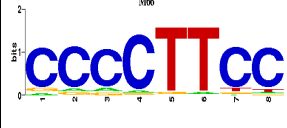

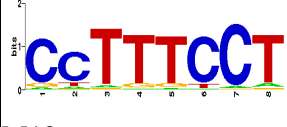

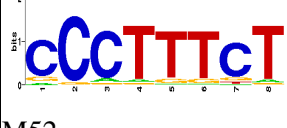
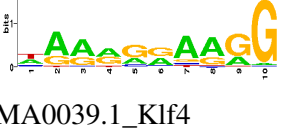
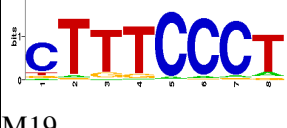



# Motif Tree

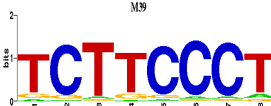

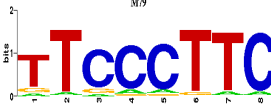
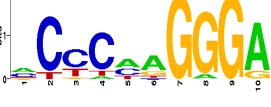
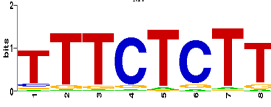

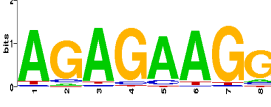

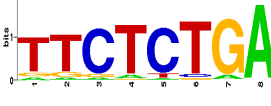

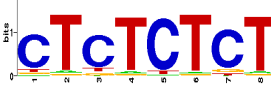
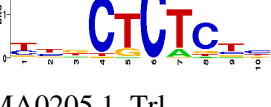
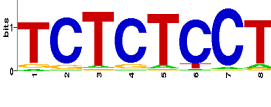

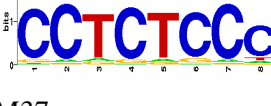
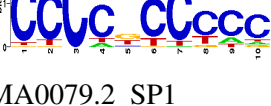
Tree (drawn by [Phylip](#))

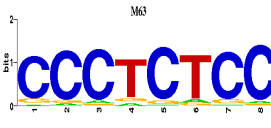
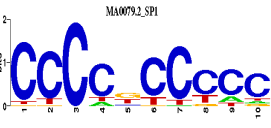
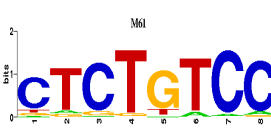

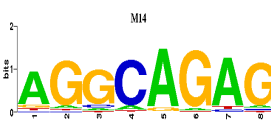

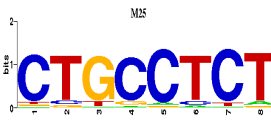
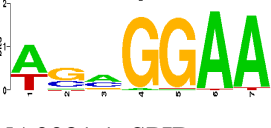
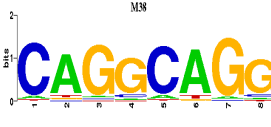

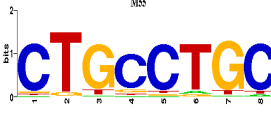


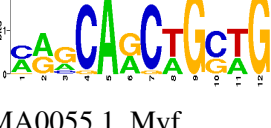
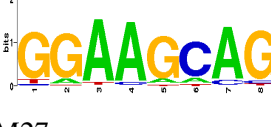

[Click here for Newick-format tree](#) (viewable with [MEGA](#))

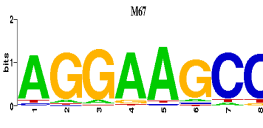
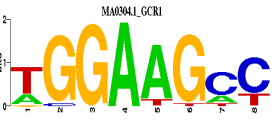
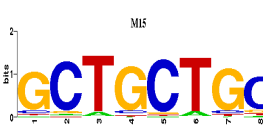
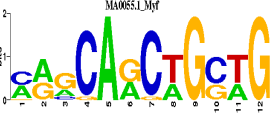
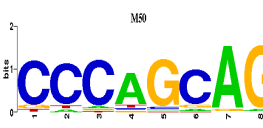

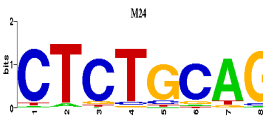
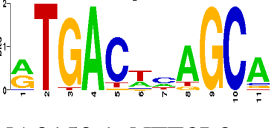
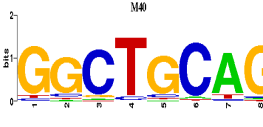

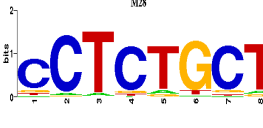
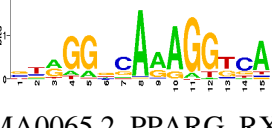

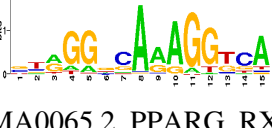
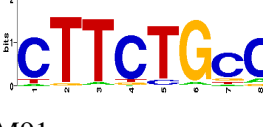
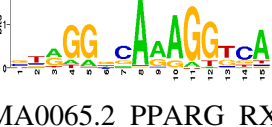


Input Motif	Best match in JASPAR
<p>M0</p> 	<p>MA0277.1_AZF1 (E val: 6.3908e-08)</p> 
<p>M9</p> 	<p>MA0277.1_AZF1 (E val: 4.5799e-08)</p> 
<p>M1</p> 	<p>MA0151.1_ARID3A (E val: 7.0778e-05)</p> 
<p>M5</p> 	<p>MA0009.1_T (E val: 1.0821e-03)</p> 
<p>M2</p> 	<p>MA0277.1_AZF1 (E val: 4.0112e-09)</p> 
<p>M3</p> 	<p>MA0120.1_id1 (E val: 8.5834e-08)</p> 
<p>M90</p> 	<p>MA0156.1_FEV (E val: 2.9062e-08)</p> 
<p>M13</p> 	<p>MA0080.2_SPI1 (E val: 2.9062e-08)</p> 

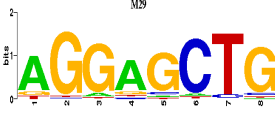

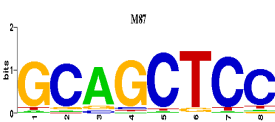

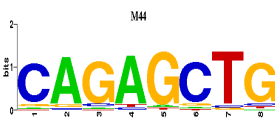
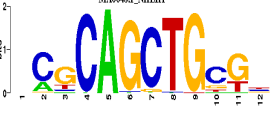
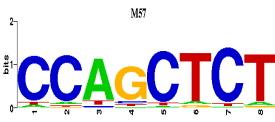
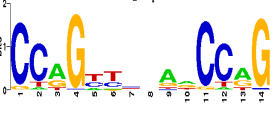
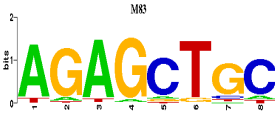

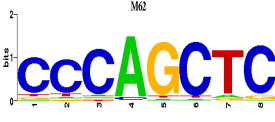
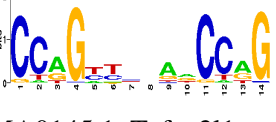
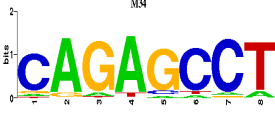
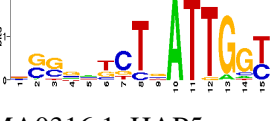
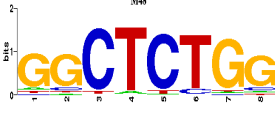

	(E val: 1.9842e-07)
 <p><b>M36</b></p>	 <p>MA0081.1_SPIB (E val: 2.1485e-07)</p>
 <p><b>M6</b></p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 1.0281e-10)</p>
 <p><b>M21</b></p>	 <p>MA0079.2_SP1 (E val: 4.0212e-06)</p>
 <p><b>M66</b></p>	 <p>MA0366.1_RGM1 (E val: 2.0250e-06)</p>
 <p><b>M12</b></p>	 <p>MA0039.1_Klf4 (E val: 4.2538e-07)</p>
 <p><b>M52</b></p>	 <p>MA0039.1_Klf4 (E val: 3.6385e-05)</p>
 <p><b>M19</b></p>	 <p>MA0039.1_Klf4 (E val: 9.5415e-05)</p>
 <p><b>M68</b></p>	 <p>MA0138.1_REST (E val: 2.1751e-05)</p>

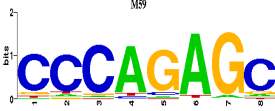



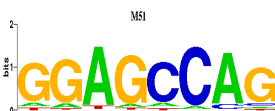



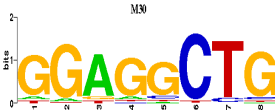

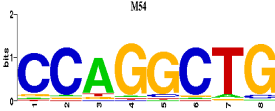
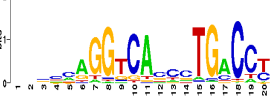
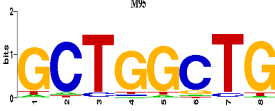

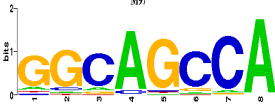

<p>M39</p>  <p>M39</p>	<p>MA0062.1_GABPA</p>  <p>MA0062.1_GABPA (E val: 3.0237e-05)</p>
<p>M79</p>  <p>M79</p>	<p>MA0154.1_EBF1</p>  <p>MA0154.1_EBF1 (E val: 1.6352e-04)</p>
<p>M4</p>  <p>M4</p>	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 1.9127e-07)</p>
<p>M17</p>  <p>M17</p>	<p>MA0039.1_Klf4</p>  <p>MA0039.1_Klf4 (E val: 5.5383e-05)</p>
<p>M85</p>  <p>M85</p>	<p>MA0432.1_YNR063W</p>  <p>MA0432.1_YNR063W (E val: 3.5151e-06)</p>
<p>M7</p>  <p>M7</p>	<p>MA0205.1_Trl</p>  <p>MA0205.1_Trl (E val: 3.4027e-03)</p>
<p>M20</p>  <p>M20</p>	<p>MA0354.1_PDR8</p>  <p>MA0354.1_PDR8 (E val: 6.6141e-04)</p>
<p>M37</p>  <p>M37</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.1613e-05)</p>

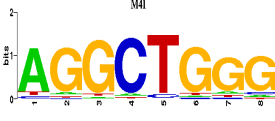

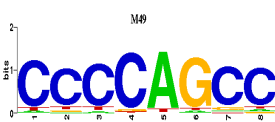

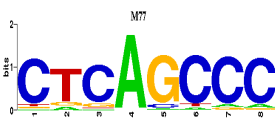

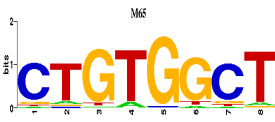

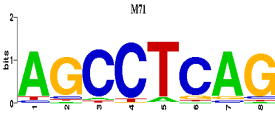

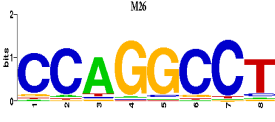
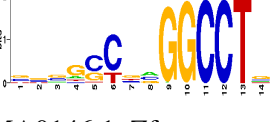
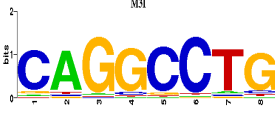
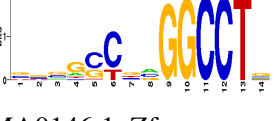
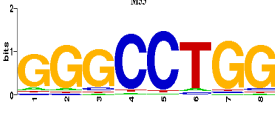

 <p><b>M63</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 1.2381e-05)</p>
 <p><b>M61</b></p>	 <p><b>MA0207.1_achi</b> (E val: 2.9262e-05)</p>
 <p><b>M14</b></p>	 <p><b>MA0283.1_CHA4</b> (E val: 2.4100e-05)</p>
 <p><b>M25</b></p>	 <p><b>MA0081.1_SPIB</b> (E val: 3.4707e-05)</p>
 <p><b>M38</b></p>	 <p><b>MA0340.1_MOT3</b> (E val: 2.7934e-05)</p>
 <p><b>M55</b></p>	 <p><b>MA0340.1_MOT3</b> (E val: 2.7409e-05)</p>
 <p><b>M74</b></p>	 <p><b>MA0055.1_Myf</b> (E val: 1.8227e-04)</p>
 <p><b>M27</b></p>	 <p><b>MA0305.1_GCR2</b> (E val: 2.1933e-07)</p>

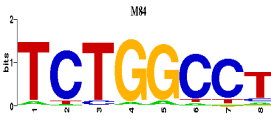
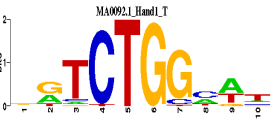
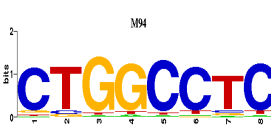

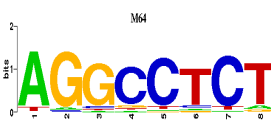
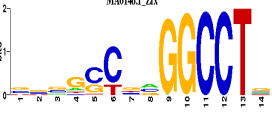
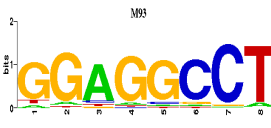
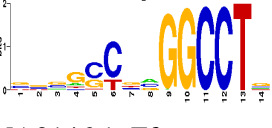
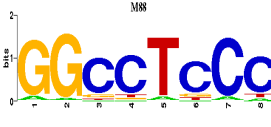

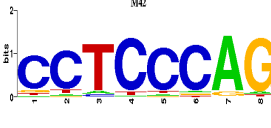

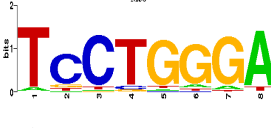
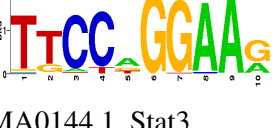
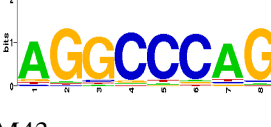
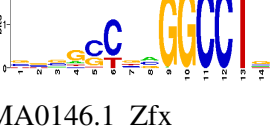
 <p><b>M67</b></p>	 <p><b>MA0304.1_GCR1</b> (E val: 2.5772e-10)</p>
 <p><b>M15</b></p>	 <p><b>MA0055.1_Myf</b> (E val: 1.8296e-07)</p>
 <p><b>M50</b></p>	 <p><b>MA0402.1_SWI5</b> (E val: 1.6889e-06)</p>
 <p><b>M24</b></p>	 <p><b>MA0150.1_NFE2L2</b> (E val: 5.6022e-04)</p>
 <p><b>M40</b></p>	 <p><b>MA0055.1_Myf</b> (E val: 3.5319e-04)</p>
 <p><b>M28</b></p>	 <p><b>MA0065.2_PPARG_RXRA</b> (E val: 1.0090e-04)</p>
 <p><b>M56</b></p>	 <p><b>MA0065.2_PPARG_RXRA</b> (E val: 7.0167e-05)</p>
 <p><b>M91</b></p>	 <p><b>MA0065.2_PPARG_RXRA</b> (E val: 4.2478e-04)</p>

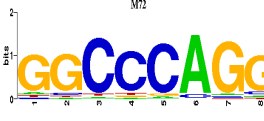

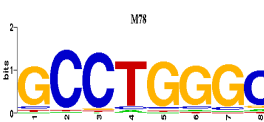

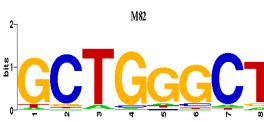

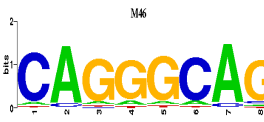

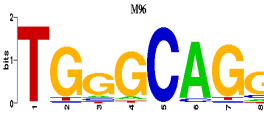
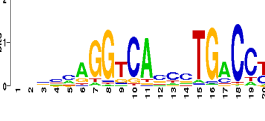
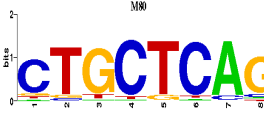

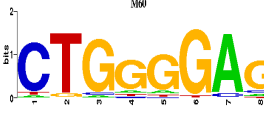

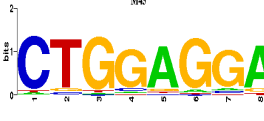
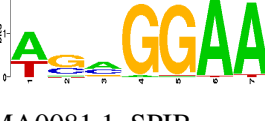


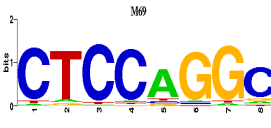
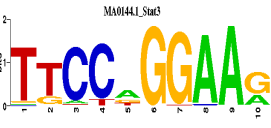
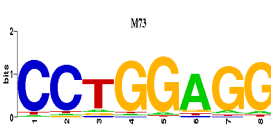
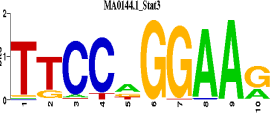

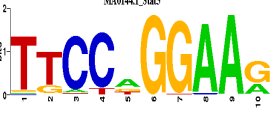
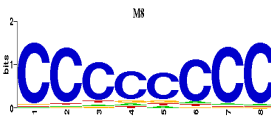
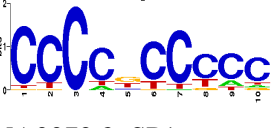
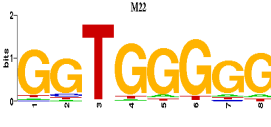

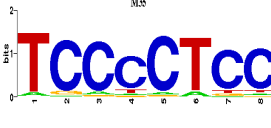
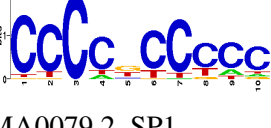
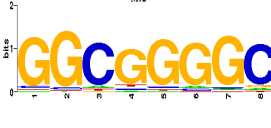

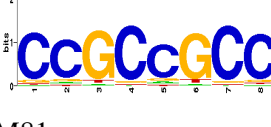
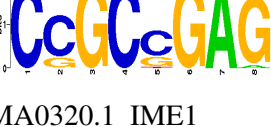
<p>M29</p>  <p>M29</p>	<p>MA0055.1_Myf</p>  <p>MA0055.1_Myf (E val: 1.0562e-04)</p>
<p>M87</p>  <p>M87</p>	<p>MA0048.1_NHLH1</p>  <p>MA0048.1_NHLH1 (E val: 1.0404e-06)</p>
<p>M44</p>  <p>M44</p>	<p>MA0048.1_NHLH1</p>  <p>MA0048.1_NHLH1 (E val: 1.5231e-03)</p>
<p>M57</p>  <p>M57</p>	<p>MA0145.1_Tcfcp211</p>  <p>MA0145.1_Tcfcp211 (E val: 1.1121e-04)</p>
<p>M83</p>  <p>M83</p>	<p>MA0048.1_NHLH1</p>  <p>MA0048.1_NHLH1 (E val: 5.2013e-05)</p>
<p>M62</p>  <p>M62</p>	<p>MA0145.1_Tcfcp211</p>  <p>MA0145.1_Tcfcp211 (E val: 1.5894e-04)</p>
<p>M34</p>  <p>M34</p>	<p>MA0316.1_HAP5</p>  <p>MA0316.1_HAP5 (E val: 8.2758e-04)</p>
<p>M48</p>  <p>M48</p>	<p>MA0332.1_MET28</p>  <p>MA0332.1_MET28 (E val: 2.2061e-04)</p>

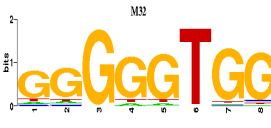
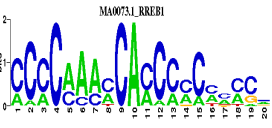
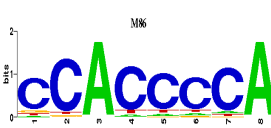
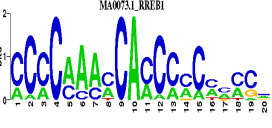
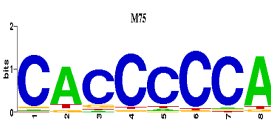
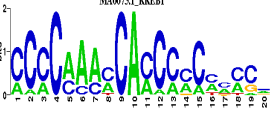
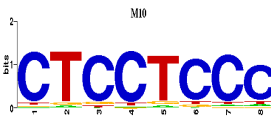
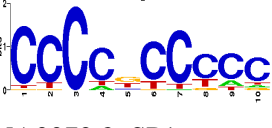
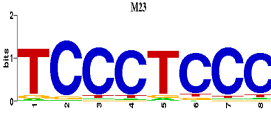
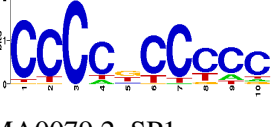
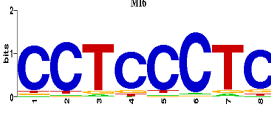
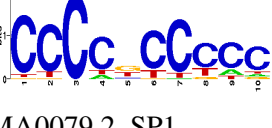
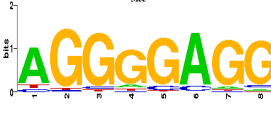
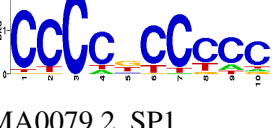
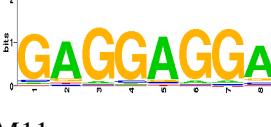
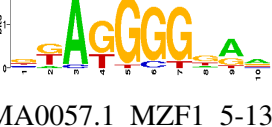
 <p><b>M59</b></p>	 <p><b>MA0332.1_MET28</b> (E val: 1.3399e-04)</p>
 <p><b>M47</b></p>	 <p><b>MA0213.1_brk</b> (E val: 6.1903e-04)</p>
 <p><b>M51</b></p>	 <p><b>MA0213.1_brk</b> (E val: 5.7059e-06)</p>
 <p><b>M70</b></p>	 <p><b>MA0213.1_brk</b> (E val: 4.0193e-04)</p>
 <p><b>M30</b></p>	 <p><b>MA0412.1_UME6</b> (E val: 6.2474e-04)</p>
 <p><b>M54</b></p>	 <p><b>MA0112.2_ESR1</b> (E val: 6.5887e-04)</p>
 <p><b>M95</b></p>	 <p><b>MA0267.1_ACE2</b> (E val: 1.9159e-04)</p>
 <p><b>M97</b></p>	 <p><b>MA0304.1_GCR1</b> (E val: 2.3946e-05)</p>

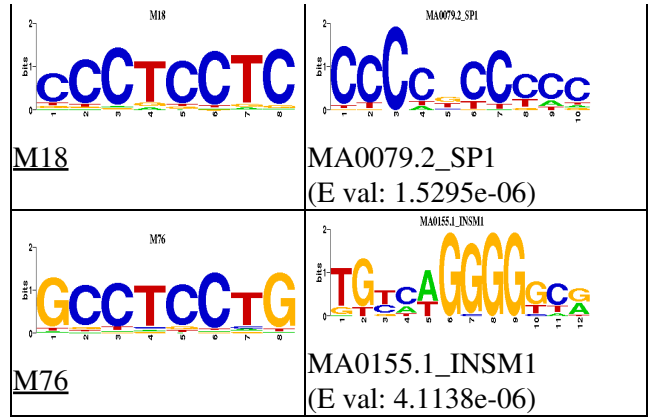
<p>M41</p>  <p><b>M41</b></p>	<p>MA0079.1_SP1</p>  <p><b>MA0079.1_SP1</b> (E val: 6.9712e-05)</p>
<p>M49</p>  <p><b>M49</b></p>	<p>MA0344.1_NHP10</p>  <p><b>MA0344.1_NHP10</b> (E val: 1.8176e-05)</p>
<p>M77</p>  <p><b>M77</b></p>	<p>MA0283.1_CHA4</p>  <p><b>MA0283.1_CHA4</b> (E val: 5.2539e-05)</p>
<p>M65</p>  <p><b>M65</b></p>	<p>MA0332.1_MET28</p>  <p><b>MA0332.1_MET28</b> (E val: 4.1006e-09)</p>
<p>M71</p>  <p><b>M71</b></p>	<p>MA0332.1_MET28</p>  <p><b>MA0332.1_MET28</b> (E val: 1.0067e-04)</p>
<p>M26</p>  <p><b>M26</b></p>	<p>MA0146.1_Zfx</p>  <p><b>MA0146.1_Zfx</b> (E val: 2.2713e-06)</p>
<p>M31</p>  <p><b>M31</b></p>	<p>MA0146.1_Zfx</p>  <p><b>MA0146.1_Zfx</b> (E val: 5.5894e-04)</p>
<p>M53</p>  <p><b>M53</b></p>	<p>MA0450.1_hkb</p>  <p><b>MA0450.1_hkb</b> (E val: 6.8796e-05)</p>

 <p><b>M84</b></p>	 <p><b>MA0092.1_Hand1_T</b> (E val: 3.8667e-05)</p>
 <p><b>M94</b></p>	 <p><b>MA0381.1_SKN7</b> (E val: 1.0396e-04)</p>
 <p><b>M64</b></p>	 <p><b>MA0146.1_Zfx</b> (E val: 2.5851e-05)</p>
 <p><b>M93</b></p>	 <p><b>MA0146.1_Zfx</b> (E val: 2.5424e-05)</p>
 <p><b>M88</b></p>	 <p><b>MA0304.1_GCR1</b> (E val: 2.4919e-05)</p>
 <p><b>M42</b></p>	 <p><b>MA0320.1_IME1</b> (E val: 2.9736e-04)</p>
 <p><b>M58</b></p>	 <p><b>MA0144.1_Stat3</b> (E val: 4.6271e-07)</p>
 <p><b>M43</b></p>	 <p><b>MA0146.1_Zfx</b> (E val: 3.1307e-05)</p>

<p>M72</p>  <p><b>M72</b></p>	<p>MA0163.1_PLAG1</p>  <p><b>MA0163.1_PLAG1</b> (E val: 9.0749e-06)</p>
<p>M78</p>  <p><b>M78</b></p>	<p>MA0162.1_Egr1</p>  <p><b>MA0162.1_Egr1</b> (E val: 8.6808e-07)</p>
<p>M82</p>  <p><b>M82</b></p>	<p>MA0267.1_ACE2</p>  <p><b>MA0267.1_ACE2</b> (E val: 1.8559e-04)</p>
<p>M46</p>  <p><b>M46</b></p>	<p>MA0364.1_REI1</p>  <p><b>MA0364.1_REI1</b> (E val: 1.7835e-04)</p>
<p>M96</p>  <p><b>M96</b></p>	<p>MA0112.2_ESR1</p>  <p><b>MA0112.2_ESR1</b> (E val: 6.0968e-04)</p>
<p>M80</p>  <p><b>M80</b></p>	<p>MA0326.1_MAC1</p>  <p><b>MA0326.1_MAC1</b> (E val: 8.2602e-06)</p>
<p>M60</p>  <p><b>M60</b></p>	<p>MA0344.1_NHP10</p>  <p><b>MA0344.1_NHP10</b> (E val: 1.6852e-05)</p>
<p>M45</p>  <p><b>M45</b></p>	<p>MA0081.1_SPIB</p>  <p><b>MA0081.1_SPIB</b> (E val: 8.3302e-04)</p>
<p></p>	<p></p>

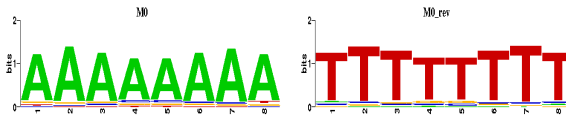
 <p><b>M69</b></p>	 <p><b>MA0144.1_Stat3</b> (E val: 2.9877e-05)</p>
 <p><b>M73</b></p>	 <p><b>MA0144.1_Stat3</b> (E val: 3.2037e-05)</p>
 <p><b>M89</b></p>	 <p><b>MA0144.1_Stat3</b> (E val: 8.3173e-07)</p>
 <p><b>M8</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 3.8026e-07)</p>
 <p><b>M22</b></p>	 <p><b>MA0436.1_YPR022C</b> (E val: 2.1238e-07)</p>
 <p><b>M35</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 1.2744e-06)</p>
 <p><b>M92</b></p>	 <p><b>MA0039.2_Klf4</b> (E val: 3.7655e-09)</p>
 <p><b>M81</b></p>	 <p><b>MA0320.1_IME1</b> (E val: 2.4679e-06)</p>

<p>M32</p>  <p><b>M32</b></p>	<p>MA0073.1_RREB1</p>  <p>MA0073.1_RREB1 (E val: 5.8636e-08)</p>
<p>M86</p>  <p><b>M86</b></p>	<p>MA0073.1_RREB1</p>  <p>MA0073.1_RREB1 (E val: 5.5368e-05)</p>
<p>M75</p>  <p><b>M75</b></p>	<p>MA0073.1_RREB1</p>  <p>MA0073.1_RREB1 (E val: 2.8669e-06)</p>
<p>M10</p>  <p><b>M10</b></p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 4.9068e-06)</p>
<p>M23</p>  <p><b>M23</b></p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 8.2065e-07)</p>
<p>M16</p>  <p><b>M16</b></p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 9.2386e-06)</p>
<p>M33</p>  <p><b>M33</b></p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 7.7989e-07)</p>
<p>M11</p>  <p><b>M11</b></p>	<p>MA0057.1_MZF1_5-13</p>  <p>MA0057.1_MZF1_5-13 (E val: 3.3089e-05)</p>



### Motif Similarity Matches

**M0**



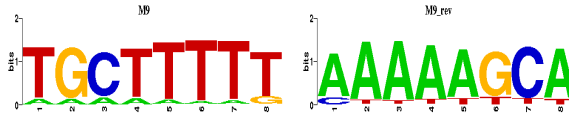
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0277.1_AZF1	6.3908e-08	-TTTTTTTT TTTCTTTT	
MA0049.1_hb	3.0867e-06	-AAAAAAAA- SMRNAAAAAN	
MA0041.1_Foxd3	7.8181e-05	AAAAAAAA---- AAANAAACAWTN	
MA0120.1_id1	4.2523e-04	----AAAAAAAA CGNNANNRRMNA	
MA0010.1_br_Z1	1.1960e-03	-----AAAAAAAA- NTNATARACAARWN	



**M9**

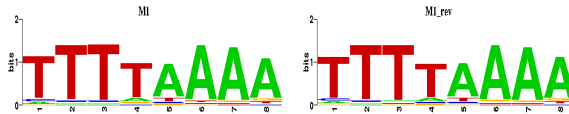


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	4.5799e-08	-TGCTTTTT TTTTTTTT	
MA0053.1_MNB1A	3.3057e-06	TGCTTTTT -NCTTT--	
MA0064.1_PBF	3.9866e-06	TGCTTTTT -RCTTT--	
MA0020.1_Dof2	2.3583e-05	TGCTTTTT NGCTTT--	
MA0021.1_Dof3	9.4476e-05	AAAAAGCA --AAAGYN	

**M1**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0151.1_ARID3A	7.0778e-05	TTTTAAAA -TTTAAAT-	
MA0218.1_ct	1.3136e-03	TTTTAAAA GTTYAA--	

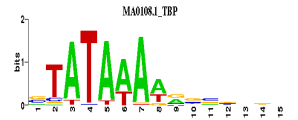
MA0173.1\_CG11617 1.5656e-03

-TTTTAAAA  
ATGTWAA--



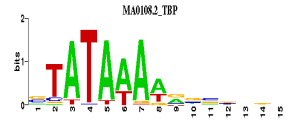
MA0108.1\_TBP 1.6159e-03

-----TTTTAAAA  
NNNNNNYWTTTATAN

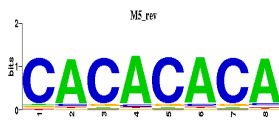


MA0108.2\_TBP 1.6200e-03

-----TTTTAAAA  
NNNNNNYWTTTATAN



**M5**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

MA0009.1\_T

1.0821e-03

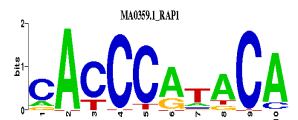
--CACACACA--  
TTCACACCTAG



MA0359.1\_RAP1

1.4073e-03

TGTGTGTG--  
TGTATGGGTG



MA0327.1\_MATA1

1.7748e-03

--TGTGTGTG  
ATTGTGY---



MA0288.1\_CUP9

2.5325e-03

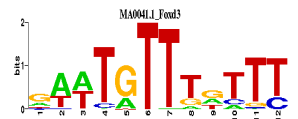
TGTGTGTG--  
WWTGTGTCA



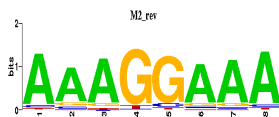
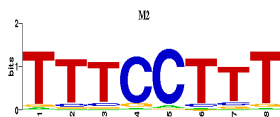
MA0041.1\_Foxd3



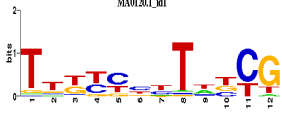

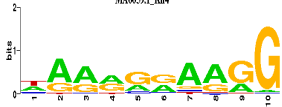
2.6742e-03

-CACACACA---  
AAANAAACAWTN

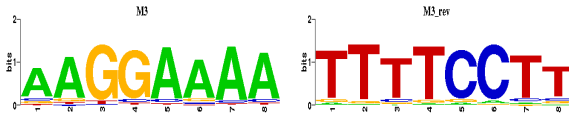


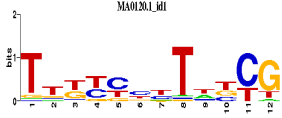
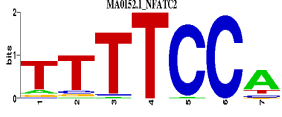


**M2**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	4.0112e-09	TTTCCTTT- TTTCCTTTT	
MA0370.1_RME1	2.1722e-08	TTTCCTTT--- -TNCCTTTNNA	
MA0120.1_id1	6.3298e-07	---AAAGGAAA- CGNNANRRMNA	
MA0137.1_STAT1	3.4038e-06	---TTTCCTTT--- NAGTTTCNNTTTCY	
MA0039.1_Klf4	1.2274e-05	-TTTCCTTT- CCTTYYYTNN	

**M3**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0120.1_id1	8.5834e-08	TTTTTCCTT---- TNKYNNNTNNGC	
MA0152.1_NFATC2	1.5848e-07	TTTTTCCTT TTTTCCA-	
MA0277.1_AZF1	7.6998e-06	TTTTTCCTT-- -TTTCCTTTT	
MA0294.1_EDS1	1.1196e-05	--TTTTTCCTT NTNTTCCN-	

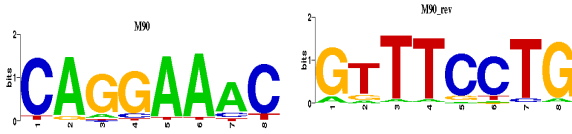
MA0156.1\_FEV

2.3696e-05

AAGGAAAA  
CAGGAART



**M90**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

MA0156.1\_FEV

2.9062e-08

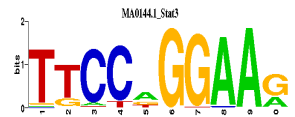
GTTTCCTG  
AYTTCCTG



MA0144.1\_Stat3

2.2902e-05

GTTTCCTG---  
-CTTCNGGAA



MA0026.1\_Eip74EF

1.3633e-04

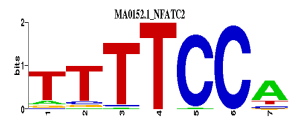
GTTTCCTG  
-YTTCCGG



MA0152.1\_NFATC2

1.9122e-04

CAGGAAAC  
-TGGAAAA



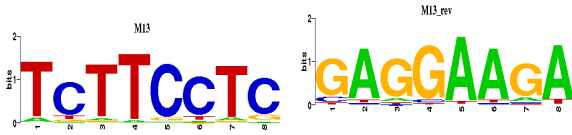
MA0080.2\_SPI1

1.9432e-04

GTTTCCTG  
ACTTCCT-



**M13**



*forward*

*reverse compliment*

*Name*





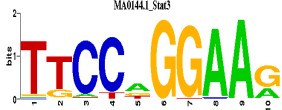
*E value*

*Alignment*

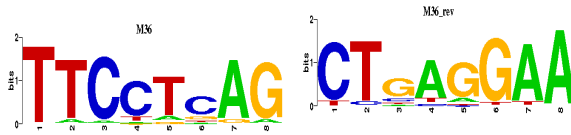
*Motif*

Stamp Results

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MA0080.2_SPI1	1.9842e-07	TCTTCCTC ACTTCCT-	
MA0081.1_SPIB	1.1950e-06	TCTTCCTC- --TTCKST	
MA0062.1_GABPA	2.3352e-05	-GAGGAAGA- ACCGGAAGNS	
MA0156.1_FEV	3.6874e-05	GAGGAAGA CAGGAART	
MA0144.1_Stat3	4.2017e-05	TCTTCCTC--- -CTTCNGGAA	

M36



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	2.1485e-07	TTCCTCAG TTCKST-	
MA0326.1_MAC1	6.2357e-05	CTGAGGAA- -YGAGCAAA	
MA0332.1_MET28	1.1625e-04	TTCCTCAG --CCACAG	
MA0090.1_TEAD1	1.4943e-04	CTGAGGAA---- CNSWGAATGTR	

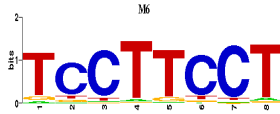
MA0080.2\_SPI1

2.1584e-04

--TTCCTCAG  
ACTTCCT---



**M6**



*forward*

*reverse compliment*

*Name*

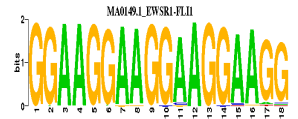
*E value*

*Alignment*

*Motif*

MA0149.1\_EWSR1-FLI1 1.0281e-10

---TCCTTCCT-----  
CCTTCCTTCCTTCCTTC



MA0080.2\_SPI1

1.9241e-07

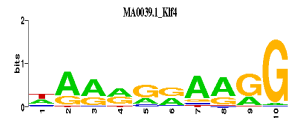
TCCTTCCT  
-ACTTCCT



MA0039.1\_Klf4

4.8321e-06

TCCTTCCT---  
-CCTTYYTNN



MA0156.1\_FEV

4.2149e-05

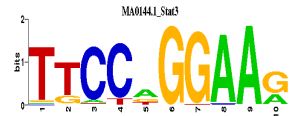
TCCTTCCT-  
-AYTTCCTG



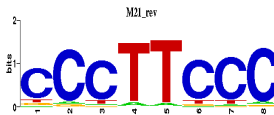
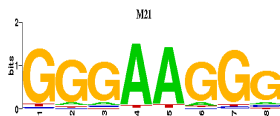
MA0144.1\_Stat3

4.4043e-05

TCCTTCCT----  
--CTTCNGGAA



**M21**



*forward*

*reverse compliment*

*Name*

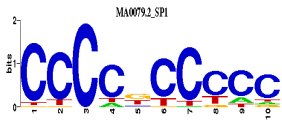
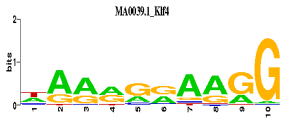
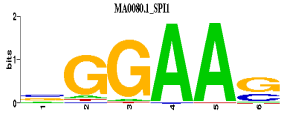
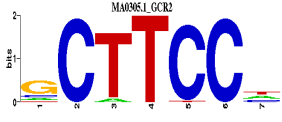

*E value*

*Alignment*

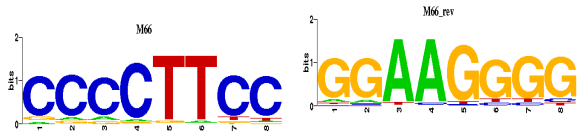
*Motif*

Stamp Results

10/01/13



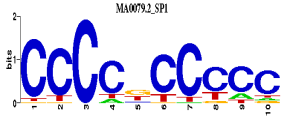

MA0079.2_SP1	4.0212e-06	-CCCTTCCC- CCCCNCCCCC	
MA0039.1_Klf4	2.4190e-05	CCCTTCCC--- -CCTTYYYYTTN	
MA0080.1_SPI1	5.0184e-05	CCCTTCCC --STTCN	
MA0305.1_GCR2	1.7093e-04	GGGAAGGG NGGAAGC-	
MA0080.2_SPI1	1.7614e-04	CCCTTCCC -ACTTCT	

**M66**



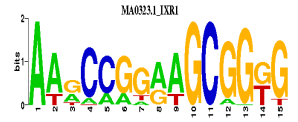
*forward*

*reverse compliment*

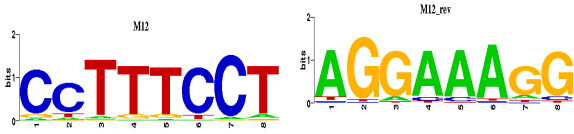
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0366.1_RGM1	2.0250e-06	CCCCTTCC CCCCT---	
MA0342.1_MSN4	2.1752e-06	GGAAGGGG ---AGGGG	
MA0079.2_SP1	2.4818e-06	--GGAAGGGG GGGGNGGGG	
MA0341.1_MSN2	5.8309e-06	CCCCTTCC CCCCT---	

MA0323.1\_IXR1 1.4956e-05

-----GGAAGGGG--  
AARCCGGAAGCGGKG



**M12**

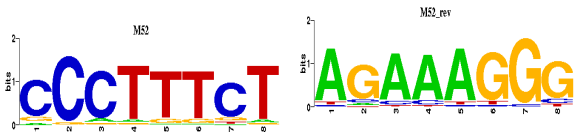


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0039.1_Klf4	4.2538e-07	--AGGAAAGG NAARRRAAGG	
MA0156.1_FEV	2.3771e-05	CCTTTCCT-- -AYTTCCTG	
MA0152.1_NFATC2	1.8700e-04	AGGAAAGG TGGAAAA--	
MA0080.2_SPI1	2.1197e-04	CCTTTCCT -ACTTTCCT	
MA0136.1_ELF5	5.0141e-04	-AGGAAAGG NMGGAARTN	

**M52**



*forward*

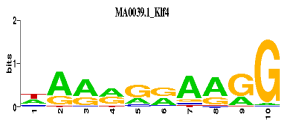
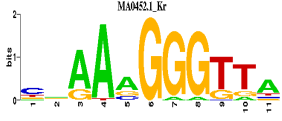
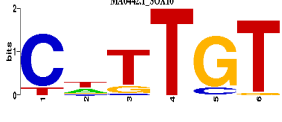
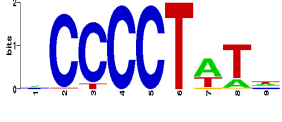

*reverse compliment*

Name	E value	Alignment	Motif
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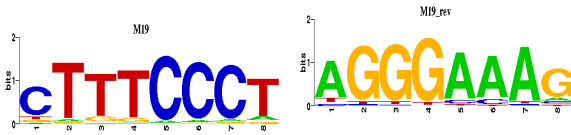


Stamp Results

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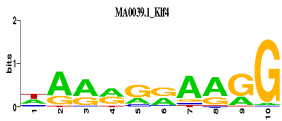
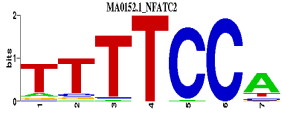
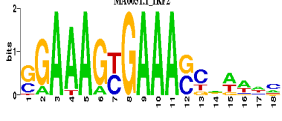
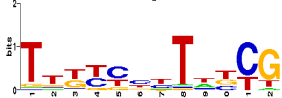
MA0039.1_Klf4	3.6385e-05	CCCTTTCT--- -CCTTYYYTTN	
MA0452.1_Kr	8.1522e-05	---CCCTTTCT TAACCCYTTNN	
MA0442.1_SOX10	3.2906e-04	AGAAAGGG ACAAWG--	
MA0423.1_YER130C	9.2451e-04	AGAAAGGG-- -NAWAGGGGN	
MA0080.2_SPI1	1.1213e-03	AGAAAGGG AGGAAGT-	

M19



*forward*

*reverse compliment*

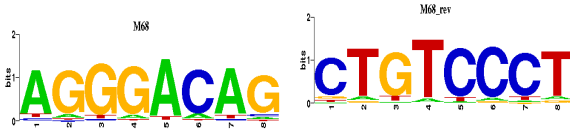
Name	E value	Alignment	Motif
MA0039.1_Klf4	9.5415e-05	CTTTCCT-- CCTTYYYTTN	
MA0152.1_NFATC2	1.8687e-04	AGGGAAAG -TGGAAAA	
MA0051.1_IRF2	2.7241e-04	-----CTTTCCT----- NNWWRNSTTTCRCTTCS	
MA0120.1_id1	6.3964e-04	CTTTCCT----- -TNKYNNNTNNGC	

MA0428.1\_YKL222C 6.6406e-04

-AGGGAAAG  
NACGGARAT



**M68**

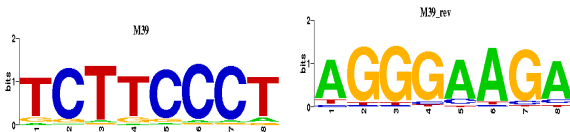


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0138.1_REST	2.1751e-05	-----AGGGACAG--- TCAGCACCWNGGACAGCNC	
MA0207.1_achi	2.3948e-05	CTGTCCCT CTGTCA--	
MA0138.2_REST	4.4315e-05	----CTGTCCCT----- GNNGCTGTCCNNGGTGCTGAN	
MA0227.1_hth	6.4773e-05	AGGGACAG --TGACAG	
MA0140.1_Tal1_Gata1	1.5556e-04	-----CTGTCCCT----- NTTATCTNNNNNNNNCNN	

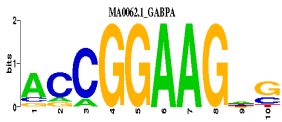
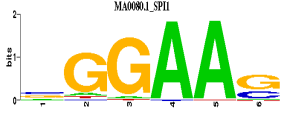
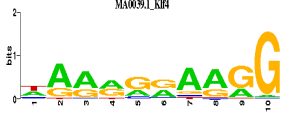


**M39**



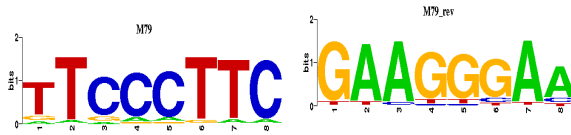
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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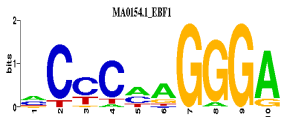
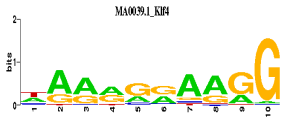

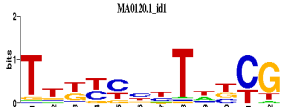
MA0062.1_GABPA	3.0237e-05	-TCTTCCCT- SNCTTCCGGT	
MA0080.1_SPI1	3.8955e-05	AGGGAAGA -NGGAAS-	
MA0039.1_Klf4	1.5742e-04	TCTTCCCT-- CCTTYYTNN	
MA0305.1_GCR2	1.8096e-04	AGGGAAGA -NGGAAGC	
MA0080.2_SPI1	2.1105e-04	TCTTCCCT ACTTCTT-	

**M79**

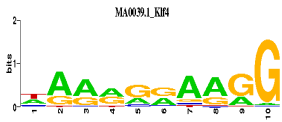






*forward*

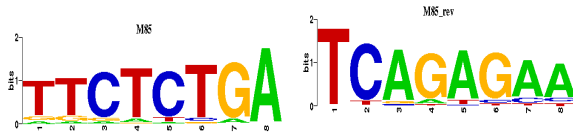
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0154.1_EBF1	1.6352e-04	TTCCTTC--- -TCCCTNGGGN	
MA0039.1_Klf4	2.1403e-04	--TTCCTTC CCTTYYTNN	
MA0370.1_RME1	5.4006e-04	--GAAGGGAA TNNAAGGNA	
MA0120.1_id1	1.1868e-03	-TTCCTTC--- TNKYNNNTNCG	







MA0039.1_Klf4	5.5383e-05	CCTTCTCT-- CCTTYYYTTN	
MA0035.2_Gata1	3.3522e-04	-CCTTCTCT-- NNNTTATCTNN	
MA0289.1_DAL80	1.2459e-03	CCTTCTCT -CTTATCG	
MA0029.1_Evi1	1.8709e-03	-----CCTTCTCT- NNTTATCTTRTCTN	
MA0300.1_GAT1	3.2882e-03	CCTTCTCT- -CTTATCNN	

**M85**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0432.1_YNR063W	3.5151e-06	TCAGAGAA TCGGAGAT	
MA0437.1_YPR196W	4.7495e-04	TCAGAGAA-- -CGGRNAAAT	
MA0354.1_PDR8	3.0942e-03	TTCTCTGA ATCTCCGN	
MA0140.1_Tal1_Gata1	8.0835e-03	-TTCTCTGA----- NTTATCTNNNNNNNNCNN	

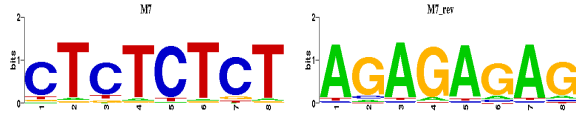
MA0282.1\_CEP3

8.1851e-03

TTCTCTGA--  
--YTCGGAAN



**M7**



*forward*

*reverse compliment*

*Name*

*E value*

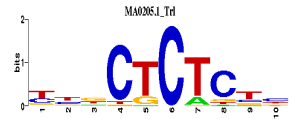
*Alignment*

*Motif*

MA0205.1\_Tr1

3.4027e-03

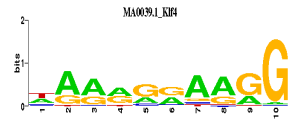
-AGAGAGAG-  
NNGAGAGNNR



MA0039.1\_Klf4

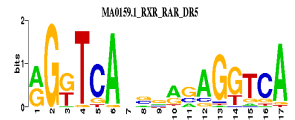
8.3410e-03

-CTCTCTCT-  
CCTTYYTNN



MA0159.1\_RXR\_RAR\_DR5 9.4755e-03

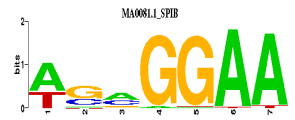
---CTCTCTCT---  
TGACCTNYYNNNTGAMCY



MA0081.1\_SPIB

2.6498e-02

CTCTCTCT  
-TTCKST



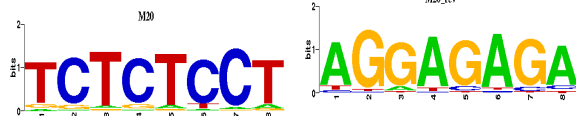
MA0298.1\_FZF1

2.8359e-02

AGAGAGAG  
TGATAG--



**M20**



*forward*

*reverse compliment*

*Name*



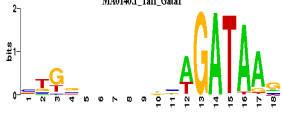


*E value*

*Alignment*

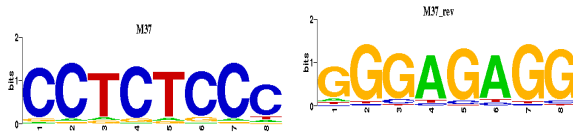
*Motif*

Stamp Results

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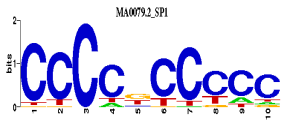
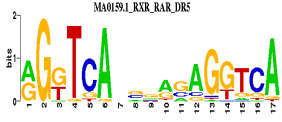
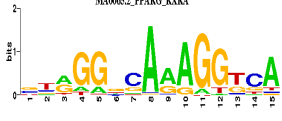

MA0354.1_PDR8	6.6141e-04	-AGGAGAGA NCGGAGAT-	
MA0432.1_YNR063W	7.3699e-04	-AGGAGAGA TCGGAGAT-	
MA0140.1_Tal1_Gata1	7.6284e-04	-----TCTCTCCT----- NTTATCTNNNNNNNNCNN	
MA0009.1_T	8.3475e-04	-TCTCTCCT-- TTCACACCTAG	
MA0422.1_YDR520C	1.0325e-03	-TCTCTCCT- NTAWNTCCGN	

M37



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.1613e-05	GGGAGAGG-- GGGGNGGGG	
MA0159.1_RXR_RAR_DR5	8.4298e-05	---CCTCTCCC----- TGACCTNYNNNTGAMCY	
MA0065.2_PPARG_RXRA	1.3098e-04	---CCTCTCCC----- TGMCCITTTGNCCYNN	
MA0323.1_IXR1	4.3521e-04	-----GGGAGAGG-- AARCCGGAAGCGGKG	

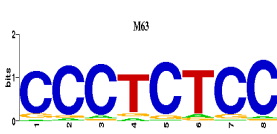
MA0062.1\_GABPA

4.6748e-04

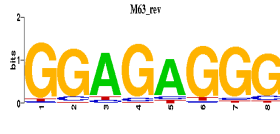
CCTCTCCC---  
-SNCTTCCGGT



**M63**



*forward*



*reverse compliment*

*Name*

*E value*

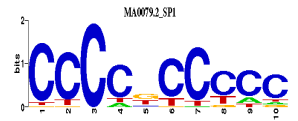
*Alignment*

*Motif*

MA0079.2\_SP1

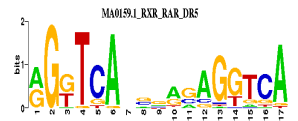
1.2381e-05

-CCCTCTCC-  
CCCCNCCCCC



MA0159.1\_RXR\_RAR\_DR5 8.8305e-05

-----GGAGAGGG--  
RGKTCANNRNAGGTCA



MA0354.1\_PDR8

6.7135e-04

CCCTCTCC--  
--ATCTCCGN



MA0432.1\_YNR063W

7.2121e-04

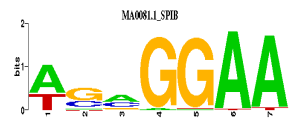
CCCTCTCC--  
--ATCTCCGA



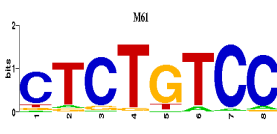
MA0081.1\_SPIB

1.5845e-03

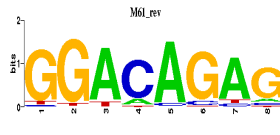
-CCCTCTCC  
TTCKKST--



**M61**



*forward*



*reverse compliment*

*Name*

*E value*

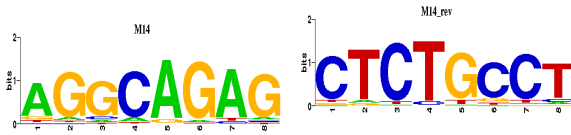
*Alignment*

*Motif*




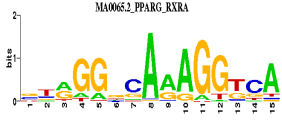


MA0207.1_achi	2.9262e-05	GGACAGAG TGACAG--	
MA0138.1_REST	3.8989e-05	-CTCTGTCC----- GNGCTGTCCNWGGTGCTGA	
MA0138.2_REST	5.6366e-05	--CTCTGTCC----- GNGCTGTCCNNGGTGCTGAN	
MA0227.1_hth	6.5770e-05	CTCTGTCC --CTGTCA	
MA0140.1_Tal1_Gata1	1.4743e-04	---CTCTGTCC----- NTTATCTNNNNNNNNCNN	

**M14**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0283.1_CHA4	2.4100e-05	-CTCTGCCT NCTCCGCC-	
MA0065.2_PPARG_RXRA	8.8785e-05	---AGGCAGAG---- NNRGGNCAAAGGKCA	
MA0062.1_GABPA	2.4209e-04	--AGGCAGAG ACCGGAAGNS	
MA0340.1_MOT3	3.2951e-04	CTCTGCCT- ---TRCCTN	

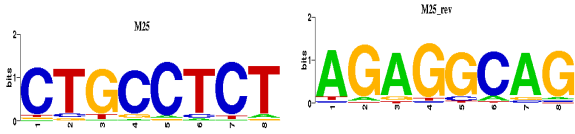
MA0080.2\_SPI1

7.7994e-04

CTCTGCCT  
-ACTTCCT



**M25**

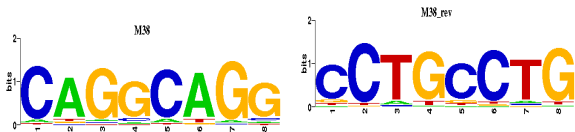


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	3.4707e-05	CTGCCTCT -TTCKST	
MA0340.1_MOT3	3.6213e-04	AGAGGCAG -NAGGYA-	
MA0080.2_SPI1	7.7862e-04	AGAGGCAG- --AGGAAGT	
MA0099.2_API	1.1024e-03	CTGCCTCT -TGACTCA	
MA0039.1_Klf4	2.9979e-03	-CTGCCTCT- CCTTYYTTN	

**M38**



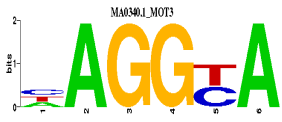
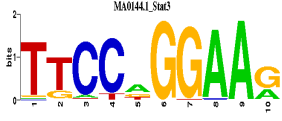

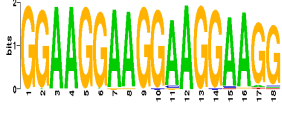

*forward*

*reverse compliment*

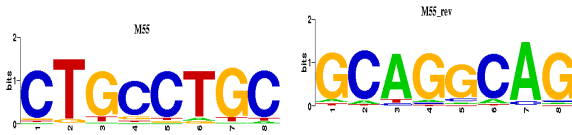
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Stamp Results

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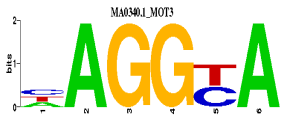
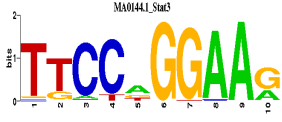


MA0340.1_MOT3	2.7934e-05	CCTGCCTG --TRCCTN	
MA0144.1_Stat3	1.8011e-04	CCTGCCTG--- -CTTCCNGGAA	
MA0156.1_FEV	2.3255e-04	CCTGCCTG AYTTCCTG	
MA0149.1_EWSR1-FLI1	8.8730e-04	----CCTGCCTG----- CCTTCCTTCCTTCCTTC	
MA0026.1_Eip74EF	8.9327e-04	CCTGCCTG -YTTCGG	

M55



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0340.1_MOT3	2.7409e-05	CTGCCTGC -TRCCTN-	
MA0144.1_Stat3	1.9290e-04	CTGCCTGC-- CTTCCNGGAA	
MA0156.1_FEV	2.4264e-04	-CTGCCTGC AYTTCCTG-	
MA0026.1_Eip74EF	7.1133e-04	CTGCCTGC YTTCGG-	

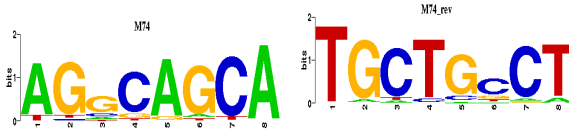
MA0080.2\_SPI1

8.4935e-04

-CTGCCTGC  
ACTTCCT--



**M74**

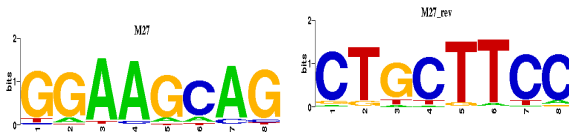


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	1.8227e-04	----TGCTGCCT CAGCAGYTGCYK	
MA0119.1_TLX1_NFIC	2.1547e-04	AGGCAGCA----- TGGCASNNNGCCAA	
MA0340.1_MOT3	3.4033e-04	TGCTGCCT- ---TRCCTN	
MA0402.1_SWI5	7.9534e-04	AGGCAGCA NACCAGCA	
MA0305.1_GCR2	1.7560e-03	TGCTGCCT -GCTTCN	

**M27**



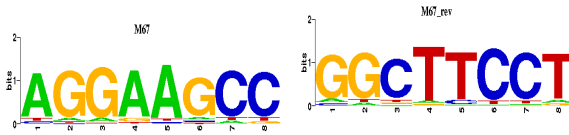
*forward*

*reverse compliment*

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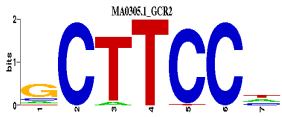


MA0305.1_GCR2	2.1933e-07	-GGAAGCAG NGGAAGC--	
MA0304.1_GCR1	1.6214e-06	CTGCTTCC- -GGCTTCCA	
MA0323.1_IXR1	1.4561e-05	-----GGAAGCAG-- AARCCGGAAGCGGKG	
MA0080.1_SPI1	5.9575e-05	CTGCTTCC- ---STTCN	
MA0080.2_SPI1	1.8744e-04	CTGCTTCC- --ACTTCCT	

**M67**



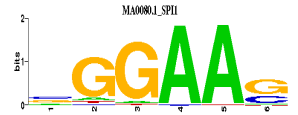
*forward*

*reverse compliment*

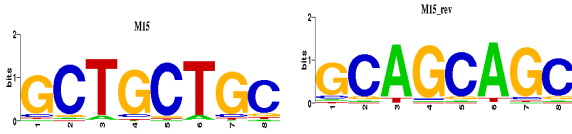
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0304.1_GCR1	2.5772e-10	GGCTTCCT GGCTTCCA	
MA0305.1_GCR2	1.7426e-07	AGGAAGCC NGGAAGC-	
MA0080.2_SPI1	1.9705e-07	GGCTTCCT -ACTTCCT	
MA0260.1_che-1	4.7920e-07	GGCTTCCT GGYTTC--	

MA0080.1\_SPI1 4.3760e-05

GGCTTCCT  
--STTCNN



**M15**

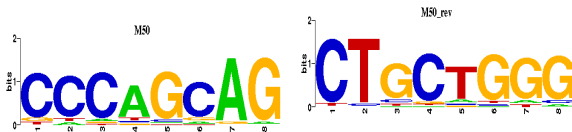


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0055.1_Myf	1.8296e-07	--GCTGCTGC-- CAGCAGYTGCK	
MA0048.1_NHLH1	3.7607e-07	--GCTGCTGC-- NCGCAGCTGCGN	
MA0454.1_odd	2.7939e-04	--GCTGCTGC- NTGCTACTGTN	
MA0402.1_SWI5	8.3168e-04	GCTGCTGC-- --TGCTGGTN	
MA0287.1_CUP2	1.1113e-03	---GCTGCTGC CWTTTYTGCTG-	

**M50**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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MA0402.1\_SWI5 1.6889e-06

CTGCTGGG-  
-TGCTGGTN



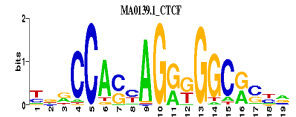
MA0267.1\_ACE2 1.8557e-04

CTGCTGGG  
-NGCTGGN



MA0139.1\_CTCF 2.5536e-04

-----CTGCTGGG--  
NNSYGCCMCTRSTGGNNR



MA0150.1\_NFE2L2 4.1939e-04

CTGCTGGG----  
-TGCTN WGTCAY

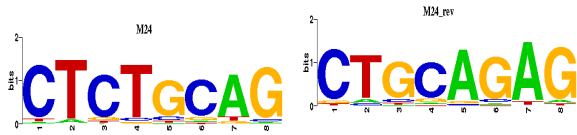


MA0287.1\_CUP2 6.9174e-04

CCCAGCAG-----  
--CAGCARAAAWG



**M24**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

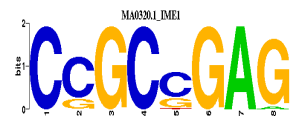
MA0150.1\_NFE2L2 5.6022e-04

CTGCAGAG----  
-TGCTN WGTCAY



MA0320.1\_IME1 5.7766e-04

CTCTGCAG  
CTCGCGG



MA0385.1\_SOK2 1.1868e-03

-CTCTGCAG--  
NNNMTGCAKNN



MA0287.1\_CUP2 2.6448e-03

CTGCAGAG---  
CAGCARAAAWG

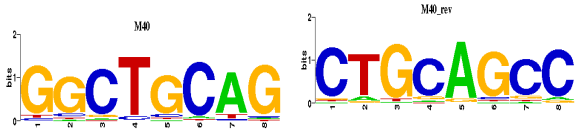


MA0062.1\_GABPA 3.0244e-03

CTCTGCAG--  
SNCTTCCGGT



**M40**

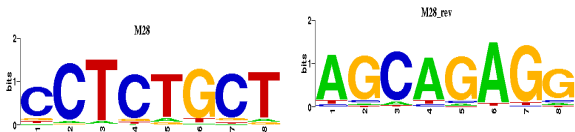


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0055.1_Myf	3.5319e-04	----GGCTGCAG MRGCARCTGCTG	
MA0385.1_SOK2	8.8629e-04	-GGCTGCAG-- NNNMTGCAKNN	
MA0269.1_AFT1	2.7892e-03	-----GGCTGCAG----- NNNNNNGGGTGCAMTANNNNN	
MA0260.1_che-1	4.0779e-03	GGCTGCAG GGYTTC--	
MA0410.1_UGA3	5.1111e-03	CTGCAGCC- -TCCCGCCN	

**M28**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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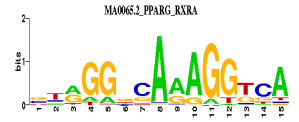


Stamp Results

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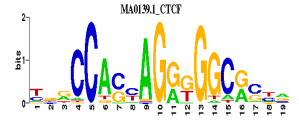
MA0065.2\_PPARG\_RXRA 1.0090e-04

---CCTCTGCT---  
TGMCCTTTGNCCYNN



MA0139.1\_CTCF 1.8534e-04

-----CCTCTGCT-----  
NNSYGCCMCCTRSTGGNNR



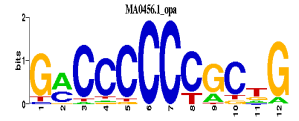
MA0287.1\_CUP2 7.4883e-04

--CCTCTGCT-  
CWTTTTYTGCTG



MA0456.1\_opa 9.9997e-04

-AGCAGAGG---  
CNGCGGGGGGK



MA0364.1\_REI1 1.2238e-03

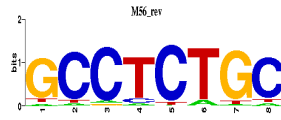
AGCAGAGG  
-NCAGGGG



**M56**



*forward*



*reverse compliment*

*Name*

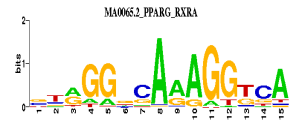
*E value*

*Alignment*

*Motif*

MA0065.2\_PPARG\_RXRA 7.0167e-05

--GCCTCTGC-----  
TGMCCTTTGNCCYNN



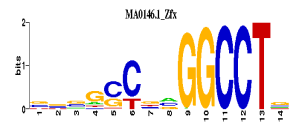
MA0364.1\_REI1 7.7628e-04

GCCTCTGC  
-CCCCTGN



MA0146.1\_Zfx 8.6351e-04

---GCCTCTGC---  
NAGGCCNNGGCNNN



MA0150.1\_NFE2L2 1.1506e-03

-GCAGAGGC--  
TGCTNWGTCAY



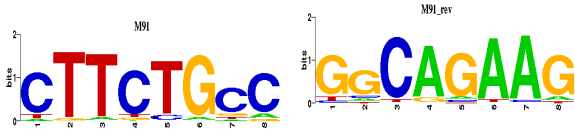
MA0081.1\_SPIB

2.0995e-03

-GCCTCTGC  
TTCKST--



**M91**



*forward*

*reverse compliment*

*Name*

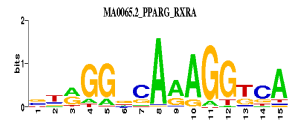
*E value*

*Alignment*

*Motif*

MA0065.2\_PPARG\_RXRA 4.2478e-04

---CTTCTGCC---  
TGMCCTTTGNCCYNN



MA0287.1\_CUP2 4.6218e-04

--CTTCTGCC-  
CWITTYTGCTG



MA0026.1\_Eip74EF 1.5685e-03

CTTCTGCC  
YTCCGG-



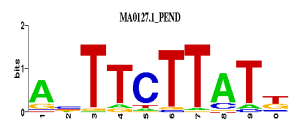
MA0360.1\_RDR1 2.1718e-03

CTTCTGCC  
NTCCGCN

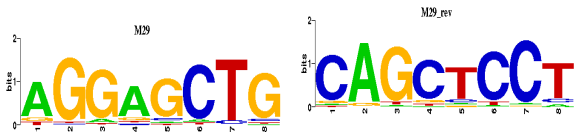


MA0127.1\_PEND 3.2830e-03

-GGCAGAAG-  
MATAAGAANT



**M29**



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

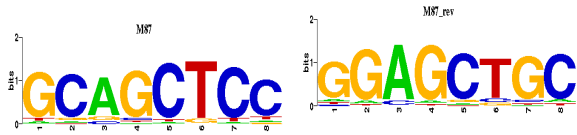
*Motif*

Stamp Results

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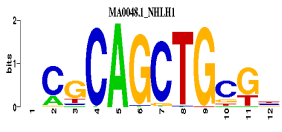
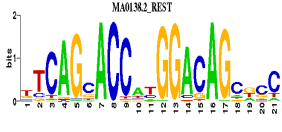


MA0055.1_Myf	1.0562e-04	---CAGCTCCT- CAGCAGYTGCYK	
MA0138.2_REST	1.7049e-04	AGGAGCTG----- -GNNGCTGTCCNNGGTGCTGAN	
MA0048.1_NHLH1	4.2290e-04	---CAGCTCCT- NCGCAGCTGCGN	
MA0138.1_REST	1.7041e-03	-CAGCTCCT----- TCAGCACCWNGGACAGCNC	
MA0354.1_PDR8	2.9154e-03	-AGGAGCTG NCGGAGAT-	

**M87**



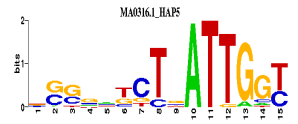
*forward*

*reverse compliment*

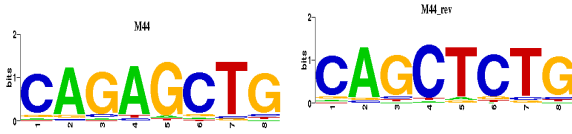
Name	E value	Alignment	Motif
MA0048.1_NHLH1	1.0404e-06	--GGAGCTGC-- NCGCAGCTGCGN	
MA0138.2_REST	9.0327e-05	GGAGCTGC----- GNNGCTGTCCNNGGTGCTGAN	
MA0055.1_Myf	9.2336e-05	--GCAGCTCC-- CAGCAGYTGCYK	
MA0138.1_REST	1.9729e-03	GCAGCTCC----- TCAGCACCWNGGACAGCNC	

MA0316.1\_HAP5 2.1168e-03

-----GCAGCTCC--  
ACCAATNAGMNNSSN



**M44**

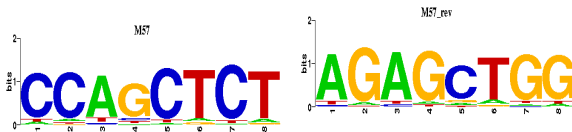


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0048.1_NHLH1	1.5231e-03	-CAGAGCTG--- NCGCAGCTGCGN	
MA0389.1_SRD1	3.6880e-03	-CAGAGCTG NNAGATCT-	
MA0335.1_MET4	3.9786e-03	-CAGAGCTG CCACAGNT-	
MA0138.1_REST	8.5471e-03	-----CAGCTCTG TCAGCACCWNGGACAGCNC--	
MA0121.1_ARR10	9.4646e-03	CAGAGCTG- -AGATNYKN	

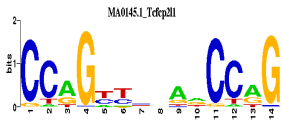




**M57**



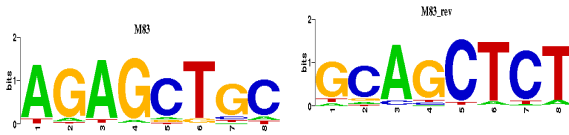
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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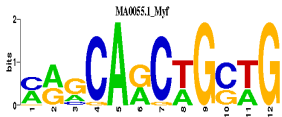


MA0145.1_Tcfcp211	1.1121e-04	CCAGCTCT----- CCRGNYNNANCCRG	
MA0267.1_ACE2	1.8648e-04	AGAGCTGG- --NGCTGGN	
MA0402.1_SWI5	6.4072e-04	--CCAGCTCT NACCAGCA--	
MA0389.1_SRD1	4.5826e-03	--AGAGCTGG NNAGATCT--	
MA0048.1_NHLH1	6.5778e-03	--CCAGCTCT-- NCGCAGCTGCGN	

**M83**



*forward*

*reverse compliment*

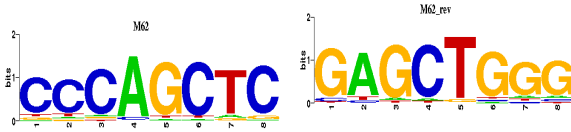
Name	E value	Alignment	Motif
MA0048.1_NHLH1	5.2013e-05	--AGAGCTGC-- NCGCAGCTGCGN	
MA0055.1_Myf	8.5654e-04	--GCAGCTCT-- MRGCARCTGCTG	
MA0407.1_THI2	3.8472e-03	-----AGAGCTGC- GTTCTTASRGTTKCC	
MA0389.1_SRD1	5.0497e-03	--AGAGCTGC NNAGATCT--	

MA0290.1\_DAL81 6.3996e-03

-AGAGCTGC-----  
AAAAGCCGCGGGCGGGATT



**M62**

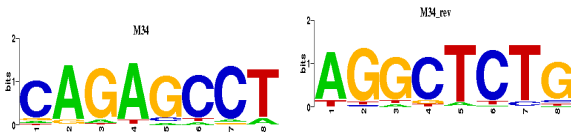


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0145.1_Tcfcp211	1.5894e-04	-----GAGCTGGG CYGGNTNNRNCYGG-	
MA0267.1_ACE2	1.7183e-04	GAGCTGGG -NGCTGGN	
MA0048.1_NHLH1	3.1783e-04	---GAGCTGGG- NCGCAGCTGCGN	
MA0402.1_SWI5	5.8986e-04	-CCCAGCTC NACCAGCA-	
MA0456.1_opa	6.5254e-04	---CCCAGCTC GMCCCCCGCNG	

**M34**








*forward*

*reverse compliment*

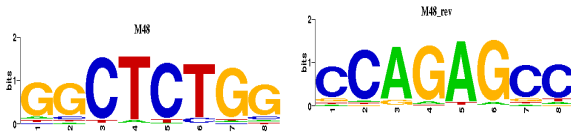
Name	E value	Alignment	Motif
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Stamp Results

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MA0316.1_HAP5	8.2758e-04	-----CAGAGCCT- ACCAATNAGMNSSN	
MA0053.1_MNB1A	9.6097e-03	AGGCTCTG --NCTTT-	
MA0271.1_ARG80	9.9613e-03	CAGAGCCT --GNGTCW	
MA0451.1_kni	1.2030e-02	AGGCTCTG---- NTGCTCTANTTT	
MA0404.1_TBS1	1.2722e-02	CAGAGCCT CGNTCCG	

**M48**



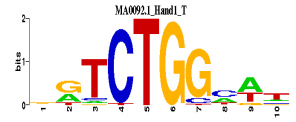
*forward*

*reverse compliment*

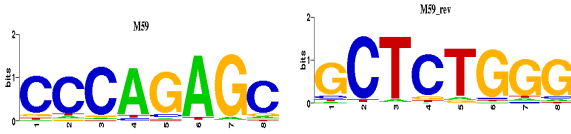
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	2.2061e-04	CCAGAGCC CCACAG--	
MA0278.1_BAS1	2.3665e-04	-----GGCTCTGG----- NNNWN YTGACTCNGGCYNNNN	
MA0451.1_kni	3.2980e-04	-GGCTCTGG--- NTGCTCTANTTT	
MA0316.1_HAP5	5.4995e-04	-----CCAGAGCC-- ACCAATNAGMNSSN	

MA0092.1\_Hand1\_T 2.8539e-03

---CCAGAGCC  
NWNCCAGAYN-



**M59**

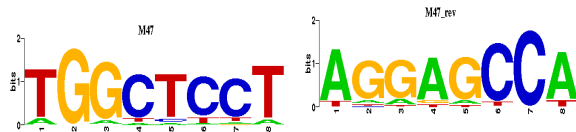


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0332.1_MET28	1.3399e-04	CCCAGAGC -CCACAG-	
MA0451.1_kni	4.1381e-04	--GCTCTGGG-- NIGCTCTANITTT	
MA0362.1_RDS2	1.0757e-03	CCCAGAGC CCCCGAN-	
MA0003.1_TFAP2A	1.1458e-03	GCTCTGGG- GCCNNNNGS	
MA0092.1_Hand1_T	2.8962e-03	--CCCAGAGC NWNCCAGAYN	

**M47**



*forward*

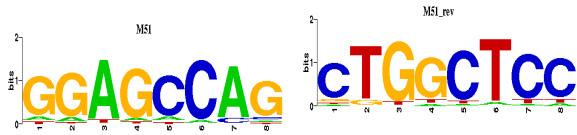
*reverse compliment*

Name	E value	Alignment	Motif
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MA0213.1_brk	6.1903e-04	-TGGCTCCT SYGGCGCY-	
MA0260.1_che-1	1.5774e-03	TGGCTCCT -GGYTTC-	
MA0119.1_TLX1_NFIC	1.8999e-03	-----AGGAGCCA TTGGCNNNSTGCCA	
MA0272.1_ARG81	2.5957e-03	AGGAGCCA- -NGAGTCAN	
MA0099.2_API	2.6029e-03	AGGAGCCA -TGAGTCA	

**M51**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0213.1_brk	5.7059e-06	GGAGCCAG RGCGCCRS	
MA0119.1_TLX1_NFIC	1.6233e-03	-----GGAGCCAG TTGGCNNNSTGCCA-	
MA0092.1_Hand1_T	1.6543e-03	GGAGCCAG--- -NWNCCAGAYN	
MA0260.1_che-1	2.2968e-03	GGAGCCAG GAARCC--	

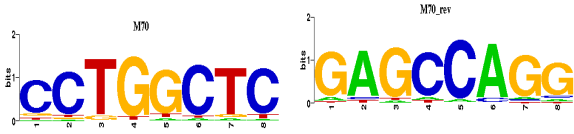
MA0326.1\_MAC1

2.5728e-03

CTGGCTCC  
TTTGCTCR



**M70**

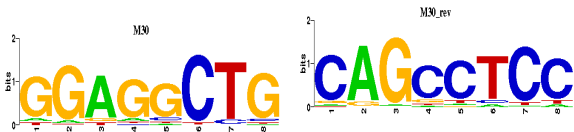


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0213.1_brk	4.0193e-04	CCTGGCTC- -SYGGCGCY	
MA0368.1_RIM101	9.8272e-04	CCTGGCTC CTTGGCR-	
MA0092.1_Hand1_T	1.7005e-03	GAGCCAGG-- NWNCCAGAYN	
MA0326.1_MAC1	2.5523e-03	-GAGCCAGG YGAGCAA-	
MA0099.2_API	2.6113e-03	-GAGCCAGG TGAGTCA--	

**M30**




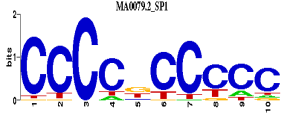
*forward*

*reverse compliment*

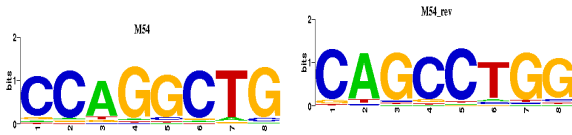
Name	E value	Alignment	Motif
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Stamp Results

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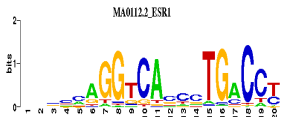
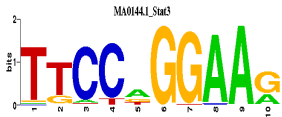

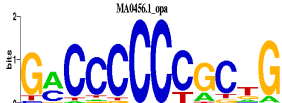
MA0412.1_UME6	6.2474e-04	---CAGCCTCC-- AWWTAGCCGCCSA	
MA0079.2_SP1	7.1748e-04	GGAGGCTG-- GGGGNGGGG	
MA0305.1_GCR2	1.1039e-03	-GGAGGCTG NGGAAGC--	
MA0373.1_RPN4	1.4013e-03	CAGCCTCC -CGCCACC	
MA0443.1_btd	1.9951e-03	-CAGCCTCC- YCCGCCMCN	

**M54**



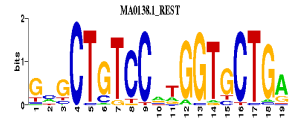
*forward*

*reverse compliment*

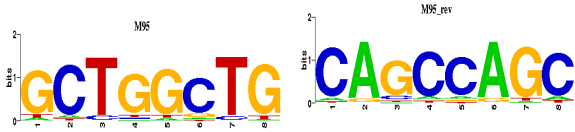
Name	E value	Alignment	Motif
MA0112.2_ESR1	6.5887e-04	---CCAGGCTG----- RGGTCANNNTGACCTNNNNN	
MA0144.1_Stat3	1.1218e-03	CAGCCTGG-- CTTCNGGAA	
MA0344.1_NHP10	3.8895e-03	--CCAGGCTG TCCCCGN--	
MA0456.1_opa	4.9178e-03	CAGCCTGG---- CNGCGGGGGK	

MA0138.1\_REST 6.4261e-03

----CAGCCTGG-----  
TCAGCACCWNGGACAGCNC



**M95**



*forward*

*reverse compliment*

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

MA0267.1\_ACE2      1.9159e-04

-GCTGGCTG  
NGCTGGN--



MA0402.1\_SWI5      6.4403e-04

CAGCCAGC-  
-NACCAGCA



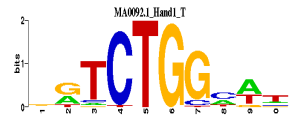
MA0373.1\_RPN4      1.8016e-03

CAGCCAGC  
-CGCCACC



MA0092.1\_Hand1\_T 3.1580e-03

CAGCCAGC--  
NWNCCAGAYN



MA0161.1\_NFIC      5.9197e-03

CAGCCAGC  
-NGCCAA-



**M97**



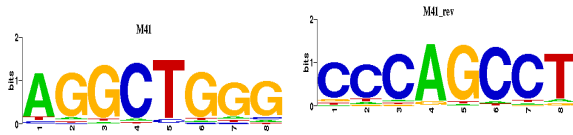
*forward*

*reverse compliment*

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



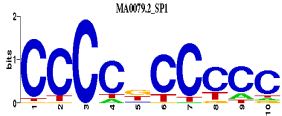

MA0304.1_GCR1	2.3946e-05	TGGCTGCC- -GGCTTCCA	
MA0305.1_GCR2	9.2970e-04	-GGCAGCCA NGGAAGC--	
MA0260.1_che-1	3.0376e-03	TGGCTGCC -GGYTTC-	
MA0412.1_UME6	3.2590e-03	--GGCAGCCA--- TSGGCGGCTA	
MA0055.1_Myf	4.5772e-03	---TGGCTGCC- CAGCAGYTGCYK	

**M41**



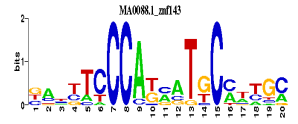
*forward*

*reverse complement*

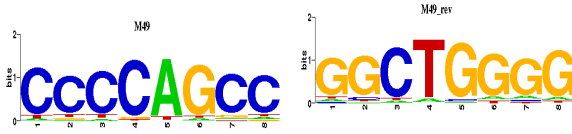
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.1_SP1	6.9712e-05	-CCCAGCCT- ACCCNGCCNN	
MA0267.1_ACE2	1.8337e-04	AGGCTGGG -NGCTGGN	
MA0079.2_SP1	5.0623e-04	--AGGCTGGG GGGGNGGGG	
MA0402.1_SWI5	6.0071e-04	-CCCAGCCT NACCAGCA-	

MA0088.1\_znf143 1.1840e-03

-----AGGCTGGG-----  
 KCNNKGMANNMTGGGANNNN



**M49**

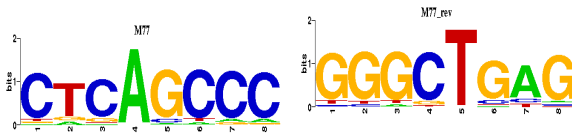


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0344.1_NHP10	1.8176e-05	-CCCCAGCC TCCCCGNN-	
MA0039.2_Klf4	2.7538e-05	-CCCCAGCC- GCCMCRCNN	
MA0079.1_SP1	5.3745e-05	--GGCTGGGG NNGGCNNGGT	
MA0155.1_INSM1	1.3015e-04	---CCCCAGCC- YGCCCCCTGRCA	
MA0332.1_MET28	1.4778e-04	GGCTGGGG --CTGTGG	

**M77**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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MA0283.1\_CHA4 5.2539e-05

GGGCTGAG--  
-GGCGGAGN



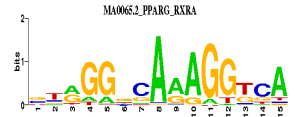
MA0150.1\_NFE2L2 1.2252e-04

GGGCTGAG----  
-TGCTNWTCA



MA0065.2\_PPARG\_RXRA 8.0294e-04

----CTCAGCCC--  
TGMCCTTTGNCCYNN



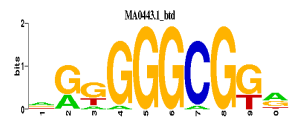
MA0117.1\_Mafb 8.3726e-04

--CTCAGCCC  
NNNTCAGC--

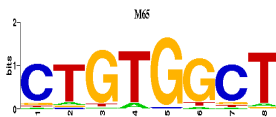


MA0443.1\_btd 1.0074e-03

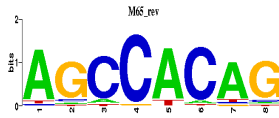
CTCAGCCC----  
-YCCGCCCMCN



**M65**



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

MA0332.1\_MET28 4.1006e-09

AGCCACAG  
--CCACAG



MA0334.1\_MET32 1.7220e-07

CTGTGGCT  
-TGTGGCN



MA0002.2\_RUNX1 2.9950e-07

-AGCCACAG--  
NAACCACARNN



MA0335.1\_MET4 1.6263e-06

AGCCACAG--  
--CCACAGNT

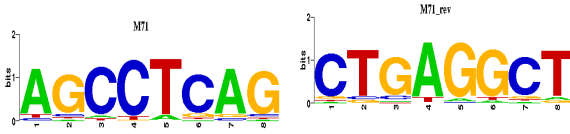


MA0285.1\_CRZ1 5.8714e-05

CTGTGGCT---  
--GNGGCTNNN



**M71**

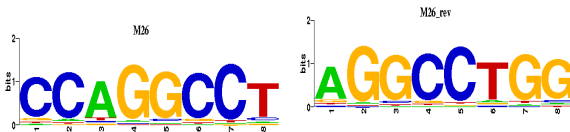


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0332.1_MET28	1.0067e-04	AGCCTCAG --CCACAG	
MA0150.1_NFE2L2	5.2841e-04	--CTGAGGCT- TGCTNWTGTCAY	
MA0334.1_MET32	6.5352e-04	CTGAGGCT -TGTGGCN	
MA0002.2_RUNX1	7.3134e-04	-AGCCTCAG-- NAACCACARNN	
MA0099.2_API	1.0200e-03	CTGAGGCT -TGAGTCA	

**M26**




*forward*

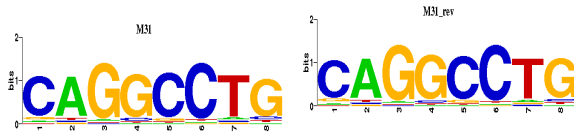
*reverse compliment*

Name	E value	Alignment	Motif
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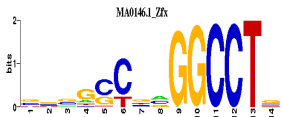



<b>MA0146.1_Zfx</b>	2.2713e-06	-AGGCCTG----- NAGGCCNNGGCNNN	
MA0344.1_NHP10	3.6309e-03	AGGCCTGG-- --NCCGGGGA	
MA0144.1_Stat3	4.4045e-03	AGGCCTGG-- CTTCNGGAA	
MA0450.1_hkb	5.7223e-03	CCAGGCCT- TCACGCCCM	
MA0086.1_sna	6.5125e-03	AGGCCTGG -CACCTG-	

**M31**



*forward*

*reverse compliment*

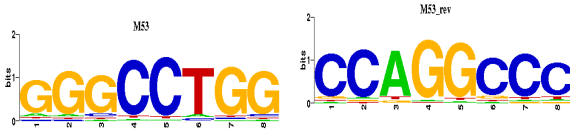
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0146.1_Zfx	5.5894e-04	-----CAGGCCTG NNNGCCNNGGCCTN	
MA0086.1_sna	6.4959e-03	CAGGCCTG --CACCTG	
MA0381.1_SKN7	6.9803e-03	CAGGCCTG NYGGCC--	
MA0450.1_hkb	7.0110e-03	-CAGGCCTG TCACGCCCM	

MA0340.1\_MOT3 1.1602e-02

CAGGCCTG  
--TRCCTN



**M53**

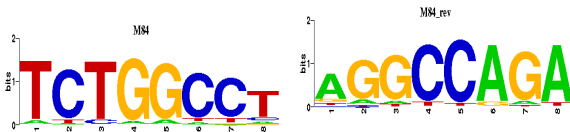


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0450.1_hkb	6.8796e-05	CCAGGCCc- TCAGGCCM	
MA0039.2_Klf4	1.0794e-04	-CCAGGCCc- GCCMCRCCN	
MA0146.1_Zfx	8.6588e-04	-GGGCCTGG----- NAGGCCNNGGCNNN	
MA0106.1_TP53	3.5076e-03	CCAGGCCc----- ACATGCCCGGGCATGTCCNN	
MA0144.1_Stat3	4.0179e-03	GGGCCTGG-- CTTCNGGAA	

**M84**



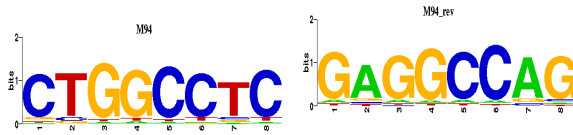
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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MA0092.1_Hand1_T	3.8667e-05	AGGCCAGA-- NWNCCAGAYN	
MA0381.1_SKN7	1.0638e-04	AGGCCAGA -GGCCRN-	
MA0334.1_MET32	1.5694e-03	TCTGGCCT TGTGGCN-	
MA0160.1_NR4A2	1.5785e-03	TCTGGCCT- -GTGACCTT	
MA0114.1_HNF4A	1.9394e-03	-----TCTGGCCT TGNMCTTTGNNCY	

**M94**



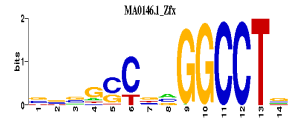
*forward*

*reverse compliment*

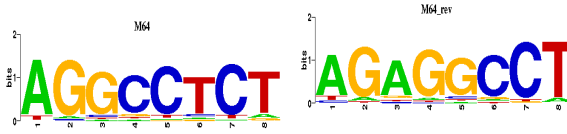
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0381.1_SKN7	1.0396e-04	CTGGCCTC NYGGCC--	
MA0018.2_CREB1	1.3268e-03	CTGGCCTC- -TGACGTCA	
MA0160.1_NR4A2	2.0230e-03	CTGGCCTC GTGACCTT	
MA0260.1_che-1	2.8183e-03	GAGGCCAG GAARCC--	

MA0146.1\_Zfx 4.3380e-03

CTGGCCTC-----  
NAGGCCNNGGCNNN



**M64**

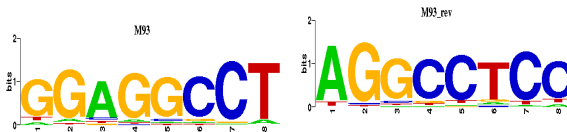


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0146.1_Zfx	2.5851e-05	-AGGCCTCT----- NAGGCCNNGGCNNN	
MA0081.1_SPIB	1.9064e-03	AGGCCTCT -TTCKST	
MA0260.1_che-1	3.2152e-03	AGAGGCCT -GAARCC-	
MA0304.1_GCR1	5.5224e-03	AGGCCTCT- -GGCTTCCA	
MA0381.1_SKN7	6.9216e-03	-AGGCCTCT NYGGCC---	

**M93**



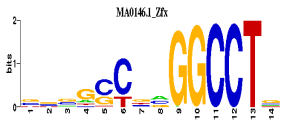
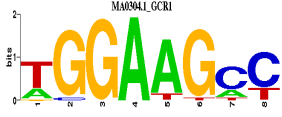

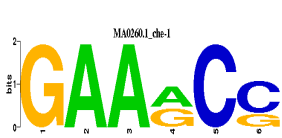
*forward*

*reverse compliment*

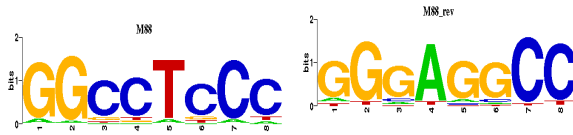
Name	E value	Alignment	Motif
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Stamp Results

10/01/13


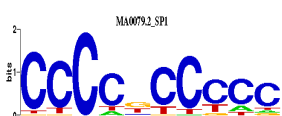


MA0146.1_Zfx	2.5424e-05	-----GGAGGCCT- NNNGCCNNGGCCTN	
MA0304.1_GCR1	3.5391e-05	-GGAGGCCT TGGAAGCC-	
MA0305.1_GCR2	1.1810e-03	-GGAGGCCT NGGAAGC--	
MA0373.1_RPN4	1.6926e-03	AGGCCTCC -CGCCACC	
MA0260.1_che-1	3.1376e-03	AGGCCTCC -GGYTTC-	

M88



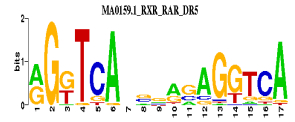
*forward*

*reverse compliment*

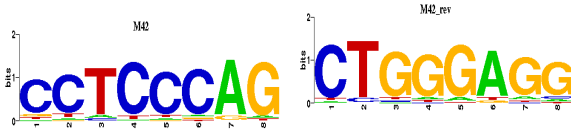
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0304.1_GCR1	2.4919e-05	GGCCTCCC GGCTTCCA	
MA0079.2_SP1	5.5910e-04	--GGGAGGCC GGGGNGGGG	
MA0305.1_GCR2	1.0794e-03	GGGAGGCC NGGAAGC-	
MA0373.1_RPN4	1.4341e-03	GGGAGGCC -GGTGGCG	

MA0159.1\_RXR\_RAR\_DR5 2.8868e-03

-GGCTCCC-----  
TGACCTNYNNNTGAMCY



**M42**



*forward*

*reverse compliment*

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

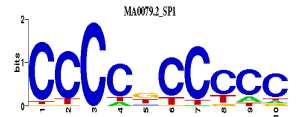
MA0320.1\_IME1              2.9736e-04

CCTCCCAG  
CCGCCGAG



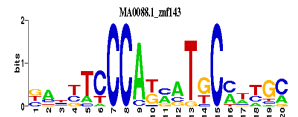
MA0079.2\_SP1              5.9869e-04

CTGGGAGG--  
GGGGNGGGG



MA0088.1\_znf143            9.0563e-04

-----CTGGGAGG--  
KCNNKGMANNMTGGGANNNN



MA0162.1\_Egr1              2.3434e-03

CCTCCCAG---  
MCGCCACGCN

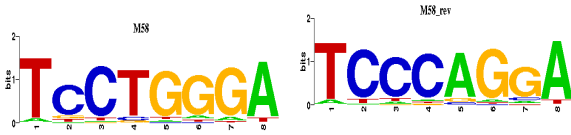


MA0432.1\_YNR063W 3.6285e-03

-CCTCCCAG  
ATCTCCGA-



**M58**



*forward*

*reverse compliment*

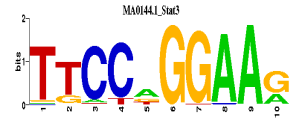
*Name*                      *E value*                      *Alignment*                      *Motif*

Stamp Results

10/01/13

MA0144.1\_Stat3 4.6271e-07

--TCCTGGGA  
CTTCCNGGAA



MA0344.1\_NHP10 1.3566e-05

TCCCAGGA  
TCCCCGGN



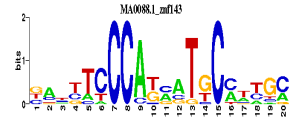
MA0353.1\_PDR3 1.0589e-04

TCCCAGGA  
TCCGCGGA



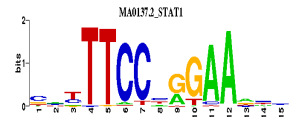
MA0088.1\_znf143 1.5856e-04

-----TCCTGGGA-----  
KCNNKGMANNMTGGGANNNN

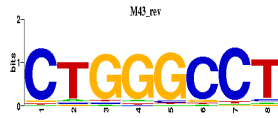
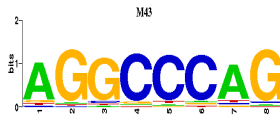


MA0137.2\_STAT1 2.0333e-04

----TCCTGGGA---  
NNYTTCNGGAANN



M43



*forward*

*reverse compliment*

*Name*

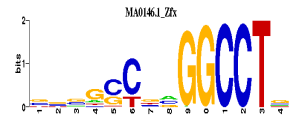
*E value*

*Alignment*

*Motif*

MA0146.1\_Zfx 3.1307e-05

-AGGCCAG-----  
NAGGCCNNGGCNNN



MA0163.1\_PLAG1 3.0307e-04

-----CTGGGCCT-  
CCCCCTTNGGCC



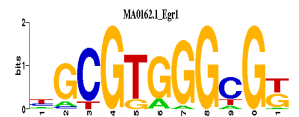
MA0368.1\_RIM101 1.0344e-03

CTGGGCCT  
CTGGCR-



MA0162.1\_Egr1 2.9873e-03

AGGCCAG---  
MCGCCACGCN



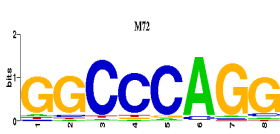
MA0450.1\_hkb

3.3393e-03

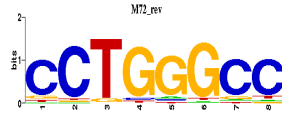
--AGGCCAG  
TCACGCCM--



**M72**



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

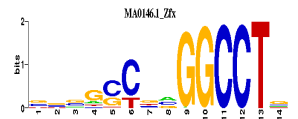
MA0163.1\_PLAG1 9.0749e-06

----CCTGGGCC--  
CCCCCTTNGGCC



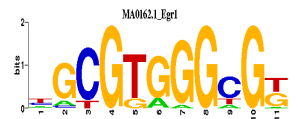
MA0146.1\_Zfx 4.0326e-05

--GGCCCAGG----  
NAGGCCNNGGCNN



MA0162.1\_Egr1 3.4886e-04

--GGCCCAGG--  
MCGCCCACGCN



MA0154.1\_EBF1 9.1505e-04

--CCTGGGCC  
TCCCTNGGCN

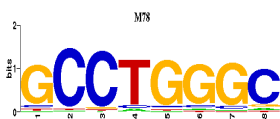


MA0368.1\_RIM101 9.7808e-04

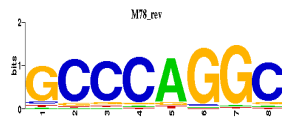
CCTGGGCC  
-CTTGGCR



**M78**



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*



Stamp Results

10/01/13

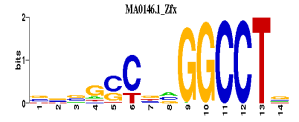
MA0162.1\_Egr1 8.6808e-07

--GCCCAGGC--  
MCGCCCACGCN



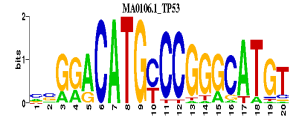
MA0146.1\_Zfx 4.1759e-06

---GCCCAGGC---  
NNGGCCNNGGCCTN



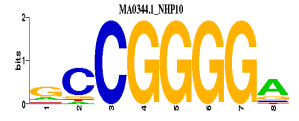
MA0106.1\_TP53 1.6602e-05

----GCCCAGGC-----  
ACATGCCCGGGCATGTCCNN



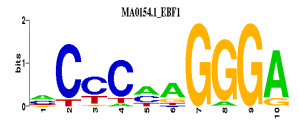
MA0344.1\_NHP10 2.1756e-05

GCCCAGGC  
TCCCCGGN

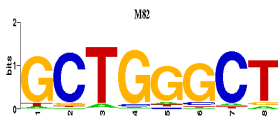


MA0154.1\_EBF1 8.6035e-04

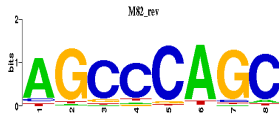
-GCCCAGGC-  
NCCCNAGGGA



M82



*forward*



*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

MA0267.1\_ACE2 1.8559e-04

-GCTGGGCT  
NGCTGGN--



MA0402.1\_SWI5 5.7678e-04

AGCCCAGC-  
-NACCAGCA



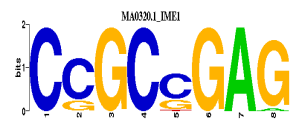
MA0368.1\_RIM101 1.3224e-03

GCTGGGCT  
-CTTGGCR



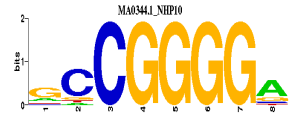
MA0320.1\_IME1 3.9203e-03

-AGCCCAGC  
CCGCCGAG-

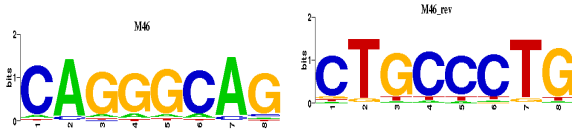


MA0344.1\_NHP10 4.0473e-03

AGCCCAGC  
TCCCCGGN



**M46**

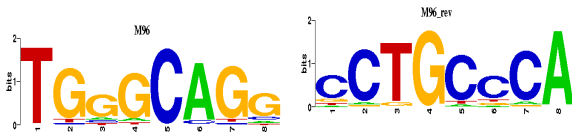


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0364.1_REI1	1.7835e-04	-CAGGGCAG NCAGGGG--	
MA0065.2_PPARG_RXRA	7.9893e-04	-CAGGGCAG----- NNRGGNCAAAGGKCA	
MA0112.2_ESR1	1.6127e-03	-----CTGCCCTG NNNNNAGGTCANNNTGACCY-	
MA0366.1_RGM1	1.8811e-03	CTGCCCTG --CCCCT-	
MA0342.1_MS4	2.1596e-03	CTGCCCTG --CCCCT-	

**M96**



*forward*

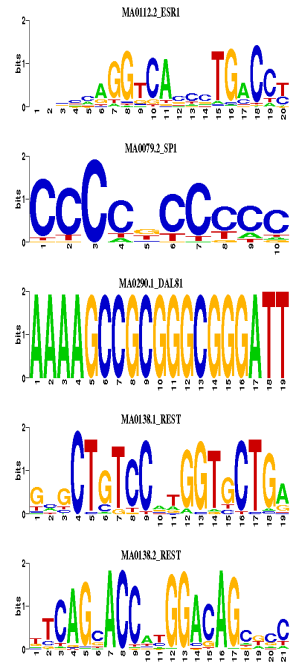
*reverse compliment*

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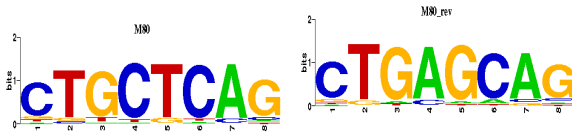
Stamp Results

10/01/13

MA0112.2_ESR1	6.0968e-04	TGGGCAGG----- RGGTCANNNTGACCTNNNNN
MA0079.2_SP1	7.5432e-04	-TGGGCAGG- GGGGGNGGGG
MA0290.1_DAL81	1.8052e-03	---CCTGCCCA----- AATCCCGCCCCGCGGCTTTT
MA0138.1_REST	2.1619e-03	-----TGGGCAGG-- TCAGCACCWNGGACAGCNC
MA0138.2_REST	2.6973e-03	---CCTGCCCA----- GNNGCTGTCCNNGGTGCTGAN



M80



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0326.1_MAC1	8.2602e-06	CTGAGCAG- -YGAGCAA	
MA0150.1_NFE2L2	3.2126e-03	CTGCTCAG---- -TGCTNWGTCAY	
MA0451.1_kni	1.1980e-02	CTGCTCAG---- NTGCTCTANTTT	
MA0446.1_fkh	1.4085e-02	CTGAGCAG--- NTRNNYAAACA	

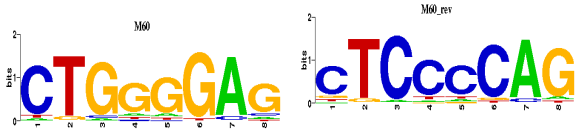
MA0454.1\_odd

2.4155e-02

CTGCTCAG---  
NTGCTACTGTN



**M60**

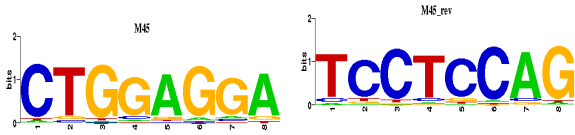


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0344.1_NHP10	1.6852e-05	CTCCCCAG- -TCCCCGNN	
MA0056.1_MZF1_1-4	2.0618e-05	CTCCCCAG -TCCCCN-	
MA0332.1_MET28	1.7809e-04	CTCCCCAG --CCACAG	
MA0268.1_ADR1	2.1758e-04	CTGGGGAG KTGGGGN-	
MA0436.1_YPR022C	2.2031e-04	-CTGGGGAG NGTGGGG--	

**M45**




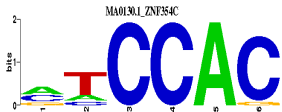



*forward*

*reverse compliment*

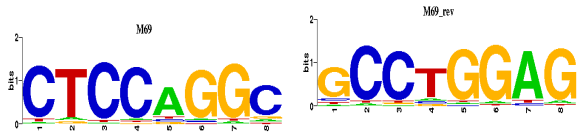
Name	E value	Alignment	Motif
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Stamp Results

10/01/13

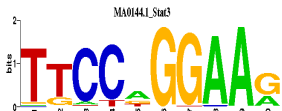

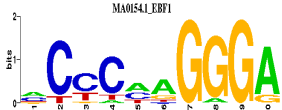

MA0081.1_SPIB	8.3302e-04	-TCCTCCAG TTCKST--	
MA0130.1_ZNF354C	9.9360e-04	CTGGAGGA GTGGAK--	
MA0451.1_kni	1.0221e-03	-TCCTCCAG--- NTGCTCTANTTT	
MA0090.1_TEAD1	1.0418e-03	-----TCCTCCAG YACATTCWSNG-	
MA0062.1_GABPA	1.3594e-03	-TCCTCCAG- SNCTTCCGGT	

M69



*forward*

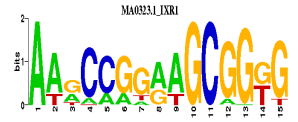
*reverse compliment*

Name	E value	Alignment	Motif
MA0144.1_Stat3	2.9877e-05	--GCCTGGAG CTTCCNGGAA	
MA0003.1_TFAP2A	4.1778e-04	GCCTGGAG- GCCNNNNGS	
MA0154.1_EBF1	4.9432e-04	-GCCTGGAG- TCCCTNNGGN	
MA0130.1_ZNF354C	9.8517e-04	CTCCAGGC MTCCAC--	

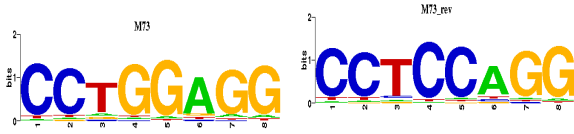
MA0323.1\_IXR1

1.6093e-03

-----CTCCAGGC--  
CMCCGCTTCCGGYTT



**M73**

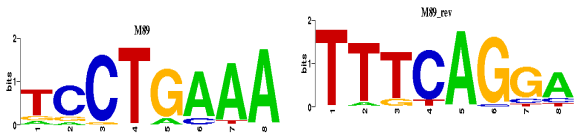


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0144.1_Stat3	3.2037e-05	CCTCCAGG--- -TTCNNGAAG	
MA0139.1_CTCF	1.4146e-04	---CCTCCAGG----- YNNCCASYAGGKGGCRSNN	
MA0154.1_EBF1	3.5496e-04	--CCTGGAGG TCCCTNNGGN	
MA0130.1_ZNF354C	9.8410e-04	CCTGGAGG -GTGGAK-	
MA0440.1_ZAP1	2.0012e-03	-----CCTGGAGG-- CATNACCTTKARGGT	

**M89**



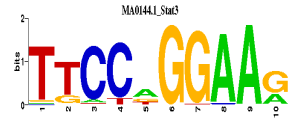
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
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MA0144.1\_Stat3 8.3173e-07

--TCCTGAAA  
CTTCCNGGAA



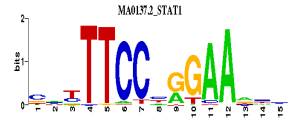
MA0393.1\_STE12 2.0720e-04

--TTTCAGGA  
YGTTCAC---



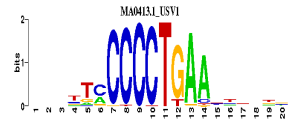
MA0137.2\_STAT1 4.5710e-04

---TTTCAGGA---  
NNNTTCCNGGAARNN



MA0413.1\_USV1 5.2252e-04

-----TTTCAGGA-----  
NNNNNNNTTCAGGGGKANNNN

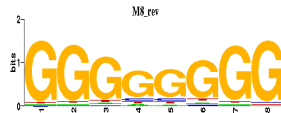
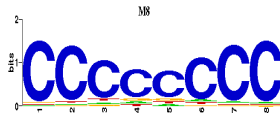


MA0253.1\_vnd 5.4797e-04

-TCCTGAAA  
YACTTGARA



M8



*forward*

*reverse compliment*

*Name*

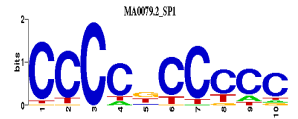
*E value*

*Alignment*

*Motif*

MA0079.2\_SP1 3.8026e-07

--GGGGGGGG  
GGGGNGGGG



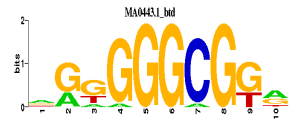
MA0068.1\_Pax4 9.2739e-07

-----CCCCCCC  
RAAWAWWWNNMNNNNNNNNNNMNNNNNYMC



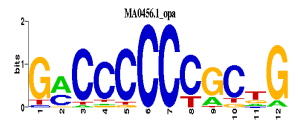
MA0443.1\_btd 1.9413e-06

-CCCCCCC-  
YCCGCCMCN



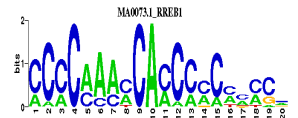
MA0456.1\_opa 2.9699e-06

--GGGGGGGG--  
CNGCGGGGGK

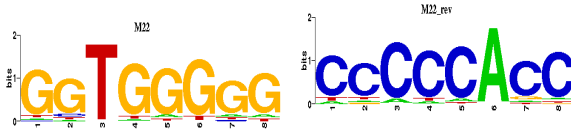


MA0073.1\_RREB1 3.1138e-06

-GGGGGGGG-----  
NGKKKGKGGGTGKTTGGGG



**M22**

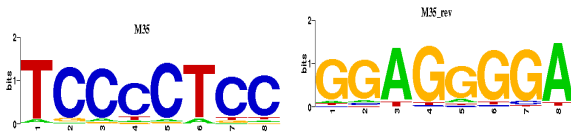


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0436.1_YPR022C	2.1238e-07	GGTGGGGG NGTGGGG-	
MA0140.1_Tal1_Gata1	7.2262e-07	--GGTGGGGG----- NNGNNNNNNNNAGATAAN	
MA0268.1_ADR1	1.0516e-06	GGTGGGGG -KTGGGGN	
MA0039.2_Klf4	2.1678e-06	CCCCACC-- GCCMCRCCCN	
MA0373.1_RPN4	4.2065e-06	CCCCACC -CGCCACC	

**M35**




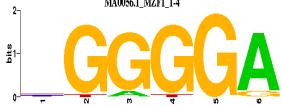


*forward*

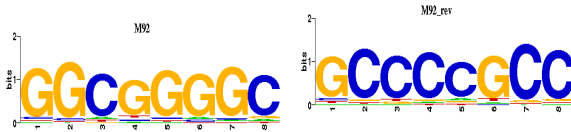
*reverse compliment*

Name	E value	Alignment	Motif
MA0079.2_SP1	1.2744e-06	---GGAGGGGA GGGGGNGGGG-	





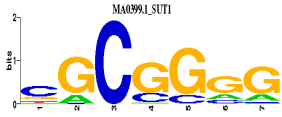

MA0366.1_RGM1	1.9303e-06	TCCCCTCC -CCCCT--	
MA0342.1_MSN4	2.2514e-06	GGAGGGGA --AGGGG-	
MA0341.1_MSN2	7.1119e-06	GGAGGGGA --AGGGG-	
MA0056.1_MZF1_1-4	1.9537e-05	TCCCCTCC TCCCN--	

**M92**

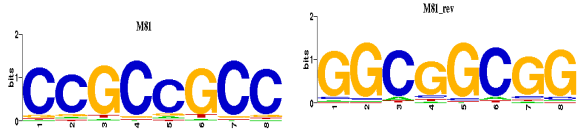


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0039.2_Klf4	3.7655e-09	--GGCGGGGC NGGGYGKGGC	
MA0079.2_SP1	1.3882e-07	---GGCGGGGC GGGGNGGGG-	
MA0079.1_SP1	2.2898e-07	GCCCCGCC-- ACCCNGCCNN	
MA0399.1_SUT1	5.6416e-07	GCCCCGCC -CCCCGCG	
MA0338.1_MIG2	9.2288e-07	GGCGGGGC NGYGGG-	

**M81**

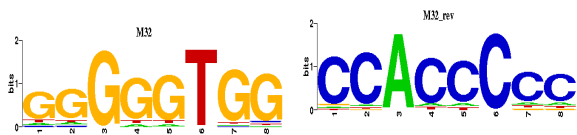


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0320.1_IME1	2.4679e-06	GGCGGCGG CTCGGCGG	
MA0079.2_SP1	3.1228e-06	GGCGGCGG-- GGGGNNGGGG	
MA0443.1_btd	3.3477e-06	-GGCGGCGG- NGKGGGCGGR	
MA0373.1_RPN4	5.2088e-06	CCGCCGCC -CGCCACC	
MA0394.1_STP1	9.7326e-06	CCGCCGCC NMGCCGCR	

**M32**



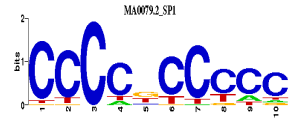
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	5.8636e-08	-----CCACCC-- CCCCAAMCACCCMCMCN	
MA0443.1_btd	1.8651e-06	-GGGGTGG- NGKGGGCGGR	

MA0079.2\_SP1 3.8634e-06

--CCACCCCC  
CCCCNCCCCC



MA0039.2\_Klf4 2.9347e-05

-GGGGTGG-  
NGGGYGKGGC

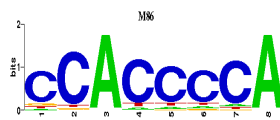


MA0450.1\_hkb 9.3775e-05

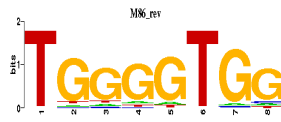
-GGGGTGG  
KGGCGTGA



**M86**



*forward*



*reverse compliment*

*Name*

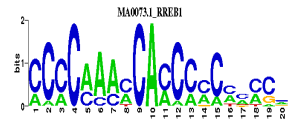
*E value*

*Alignment*

*Motif*

MA0073.1\_RREB1 5.5368e-05

-----TGGGGTGG-----  
NGKKGKGGGTGKTTTGGGG



MA0436.1\_YPR022C 1.9637e-04

--TGGGGTGG  
NGTGGGG---



MA0268.1\_ADR1 2.1044e-04

CCACCCA-  
--NCCCCAM



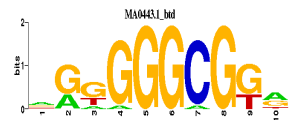
MA0373.1\_RPN4 2.3006e-04

--CCACCCA  
CGCCACC---

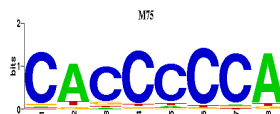


MA0443.1\_btd 3.8227e-04

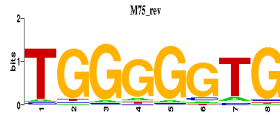
-CCACCCA-  
YCCGCCMCN



**M75**



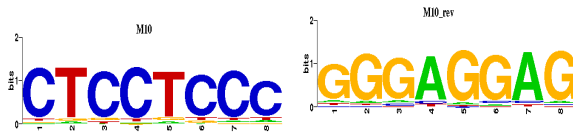
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
MA0073.1_RREB1	2.8669e-06	----TGGGGGTG----- NGKKKGKGGGTGKTTTGGGG	
MA0450.1_hkb	1.7856e-05	-CACCCCCA TCAGCCCM	
MA0155.1_INSM1	1.8814e-04	CACCCCCA---- YGCCCCCTGRCA	
MA0268.1_ADR1	2.0260e-04	CACCCCCA- --NCCCCAM	
MA0436.1_YPR022C	2.2470e-04	--TGGGGGTG NGTGGGG---	

**M10**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0079.2_SP1	4.9068e-06	--GGGAGGAG GGGGNGGGG	
MA0283.1_CHA4	2.6761e-05	-CTCCTCCC NCTCCGCC-	

MA0062.1\_GABPA 3.2012e-04

CTCCTCCC--  
SNCTTCCGGT



MA0443.1\_btd 4.0928e-04

---GGGAGGAG  
NGKGGGCGGR-

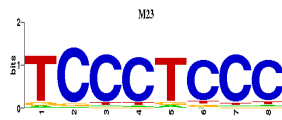


MA0081.1\_SPIB 7.6209e-04

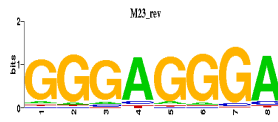
CTCCTCCC  
TTCKST-



**M23**



*forward*



*reverse compliment*

*Name*

*E value*

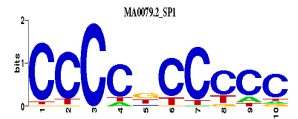
*Alignment*

*Motif*

MA0079.2\_SP1

8.2065e-07

--GGGAGGGA  
GGGGNGGGG



MA0290.1\_DAL81

3.7321e-06

--TCCCTCCC-----  
AATCCCGCCCCGCGGCTTTT



MA0410.1\_UGA3

2.5568e-05

TCCCTCCC  
TCCCGCCN



MA0450.1\_hkb

1.8951e-04

TCCCTCCC-  
TCACGCCM

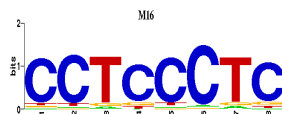


MA0149.1\_EWSR1-FLI1 1.0022e-03

-----TCCCTCCC---  
CCTTCCTTCCTTCCTTC



**M16**



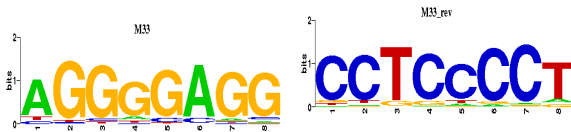
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
MA0079.2_SP1	9.2386e-06	--CCTCCCTC CCCCNCCCC	
MA0149.1_EWSR1-FLI1	1.1478e-03	-----CCTCCCTC-- CCTTCCTTCCTTCCTTC	
MA0080.2_SPI1	1.1559e-03	CCTCCCTC ACTTCCT-	
MA0443.1_btd	1.5007e-03	-CCTCCCTC- YCCGCCMCN	
MA0366.1_RGM1	1.8193e-03	CCTCCCTC --CCCCT-	




**M33**



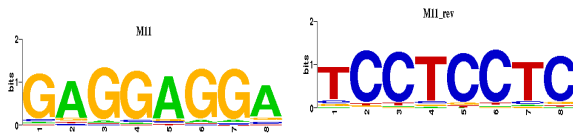
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0079.2_SP1	7.7989e-07	AGGGGAGG-- GGGGNGGGG	
MA0366.1_RGM1	1.9105e-06	CCTCCCTC ---CCCCT	

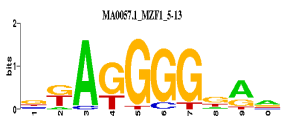
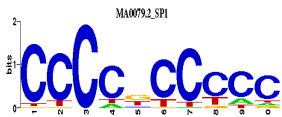



MA0342.1_MSN4	2.4470e-06	CCTCCCCT ---CCCCT	
MA0341.1_MSN2	8.2371e-06	CCTCCCCT ---CCCCT	
MA0056.1_MZF1_1-4	2.2323e-05	CCTCCCCT --TCCCN	

**M11**

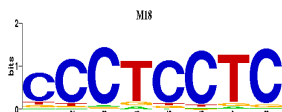


*forward*

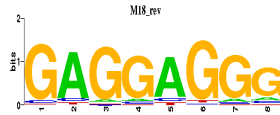
*reverse compliment*

Name	E value	Alignment	Motif
MA0057.1_MZF1_5-13	3.3089e-05	-TCCTCCTC- NTNCCCCTMN	
MA0079.2_SPI1	4.2885e-04	-TCCTCCTC- CCCCNCCCC	
MA0081.1_SPIB	8.1167e-04	-TCCTCCTC TTCKKST--	
MA0080.2_SPI1	8.5107e-04	TCCTCCTC ACTTCCT-	
MA0090.1_TEAD1	1.0375e-03	GAGGAGGA----- -CNSWGGAATGTR	

**M18**



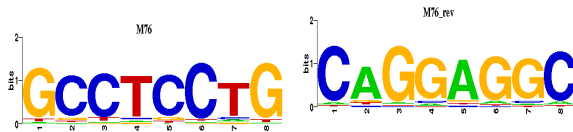
*forward*



*reverse compliment*

Name	E value	Alignment	Motif
MA0079.2_SP1	1.5295e-06	-GAGGAGGG- GGGGNGGGG	
MA0039.1_Klf4	6.8659e-04	--GAGGAGGG NAARRAAGG	
MA0081.1_SPIB	7.6469e-04	CCCTCCTC- --TTCKST	
MA0080.2_SPI1	1.2854e-03	CCCTCCTC ACTTCT-	
MA0149.1_EWSR1-FLI1	1.4087e-03	-----CCCTCCTC-- CCTTCTTCCTTCCTTC	

**M76**



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0155.1_INSM1	4.1138e-06	-GCCTCCTG--- YGCCCCCTGRCA	
MA0139.1_CTCF	1.7224e-04	----GCCTCCTG----- NNSYGCCMCTRSTGGNNR	



Stamp Results

10/01/13

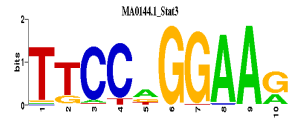
MA0086.1\_sna 1.8119e-04

GCCTCCTG  
--CACCTG



MA0144.1\_Stat3 2.4109e-04

---CAGGAGGC  
TTCCNGGAAG-



MA0156.1\_FEV 3.7466e-04

GCCTCCTG  
AYTTCCTG



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STAMP is written by Shaun Mahony