

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

Input file: 97 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".

[Download results as a PDF](#)

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## Multiple Alignment

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

```

M0 : -----AAAAAAGAAAAAAAAAAAAAAAA-----
M1 : -----AAATTTTTTTTTTAAAAAAAAAATT-----
M2 : -----GGGGGGGGGGGGGGGGGG-----
M3 : -----AAAAAGAAAGGAAAGGAAA-----
M4 : -----AGAAAGAAAA-----
M5 : -----AAAAGGAAAA-----
M6 : -----AAAAAGAAAAG-----
M7 : -----AAAAAAAAAGAAAGAAAAAAAA-----
M8 : -----GTGTGTGTGTGTGTGTGTG-----
M9 : -----AAAGAGAAAA-----
M10 : -----AGAAGAAAA-----
M11 : -----AAGAAAAAGAAA-----
M12 : -----GGGGGGGGGGAGGAGGGGGGGGG-----
M13 : -----AGAGAGAGAGAG-----
M14 : -----AAATAAATAAA-----
M15 : -----TTTTTTGTTTGTGTTGTTGTTTT-----
M16 : -----TTTTTTTTTTGTTTTGTTTTTTTT-----
M17 : -----GAGGMAGGAAGGGGG-----
M18 : -----GGGGGGGGAGGGAGGGGGGGGG-----
M19 : -----TTTTTTGTTTTGTTTTTTTTTTTT-----
M20 : -----GGGGGGGGAGGGAGGGGGGGGG-----
M21 : -----AGAGGAMAGGGA-----
M22 : -----AAATTAATAAAAAAAAA-----

```

Stamp Results

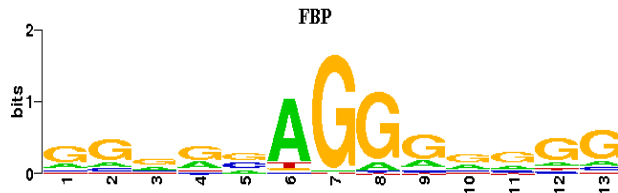
04/30/14

M23: -----GCAGGAAGG-----  
M24: -----GGAGGAGGG-----  
M25: -----GGGGAGGGAAGGGGG-----  
M26: -----GGGGAAGGAAGGGGGGG-----  
M27: -----GCGGCAGCAGCCGCGGC-----  
M28: -----GGAGAAAGG-----  
M29: -----GGGGGGGGTGGGGWGGGGGGGGGG-----  
M30: -----GRGGCAGAGG-----  
M31: -----GGGGGGGAGGGGMGGGGCCGGGG-----  
M32: -----GGGGGGGGGGGAAGGGGGGGGGGG-----  
M33: -----GGGGGGGGGGAGGGGAGGGGGGGGG-----  
M34: -----TTTKGGTTTTTTTTTTTTTT-----  
M35: -----CCAGGAAGAGGGGGGG-----  
M36: -----AGGAGAGAG-----  
M37: -----AGGAAGCAG-----  
M38: -----AGAGGMAGAGG-----  
M39: -----GGGGAGAGGGGGGGGGGG-----  
M40: -----GGGGGGCGGGGCTGGGGGGGGGG-----  
M41: -----GGGGGGGGGGGAGGAGGGGGGGGG-----  
M42: -----AGGAGGCTGGGG-----  
M43: GGGGGGGGGGCGGGGCCGGGGGGGG-----  
M44: -----CTGGGAAAGG-----  
M45: -----RGGAGCTGGGG-----  
M46: -----CAGAGCTGG-----  
M47: -----GCAGGGCAGGG-----  
M48: -----GGGGAMAGAGA-----  
M49: -----GGGGAAGGGGGGGGGGG-----  
M50: -----GGCTGCTGGGG-----  
M51: -----GAGGCTGGGG-----  
M52: -----GCTGGGGASAGGGGGGG-----  
M53: -----CTGGAGGAGG-----  
M54: -----TGGAGAGGG-----  
M55: -----TGGAGAAGG-----  
M56: -----CTGGGCTGGG-----  
M57: -----CTTCCCAGG-----  
M58: -----CCAGGGCAGGG-----  
M59: -----GGGGGGGGTGGGGGTGGGGGGGGGG-----  
M60: -----GGGGGGAGGAGGGGG-----  
M61: -----GGGGCTGGCGG-----  
M62: -----GCTGCNGGG-----  
M63: -----GGCTCTGGG-----  
M64: -----GGGGGGGGCAGGGCTGCGGGGGGG-----  
M65: -----GGCAGCAGRGG-----

```

M66: -----GGGGCGGCGGCGGCGGCGGGGGG
M67: -----GGAGCTGGAGG-----
M68: -----GGCCTGGGCTCCGGG-----
M69: -----AAAGNACTG-----
M70: -----GCCCAGAGGCCGCGG-----
M71: -----AGAGAAGGMG-----
M72: -----GCAGGAGGA-----
M73: -----CTGAGGAAGG-----
M74: -----GGGGGGGGMGGGGCGGGGCCGGG-----
M75: -----GGGGAGAGGGGGGG-----
M76: -----CAGAGCTGGG-----
M77: -----CAGMCAGAG-----
M78: -----GGGCTCTGGG-----
M79: -----CAGAGGGMGG-----
M80: -----CAGGAGCTG-----
M81: -----AGGAAGCCAG-----
M82: -----GGAGCCAGG-----
M83: -----AAGAAACTG-----
M84: -----GGMAGGGAAGG-----
M85: -----GAGGCNGCC-----
M86: -----GAGGAAG-----
M87: -----AGAGAAGG-----
M88: -----AGCAGAG-----
M89: -----CAGAGCAG-----
M90: -----GGTTTTYT-----
M91: -----CAGGAGAG-----
M92: -----CTGGGAGG-----
M93: -----CAGGCAGG-----
M94: -----GGAAAAGG-----
M95: -----CTGGAGA-----
M96: -----CCAGGCTG-----
    
```

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

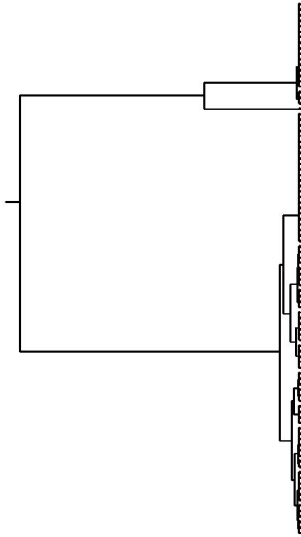



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## Motif Tree

Tree (drawn by **Phylip**)

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


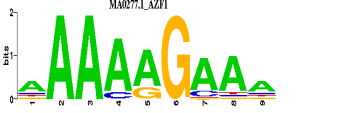

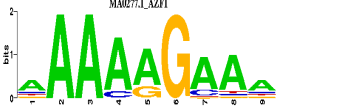

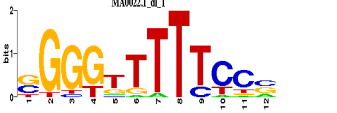
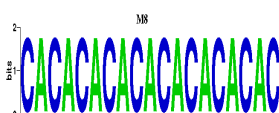
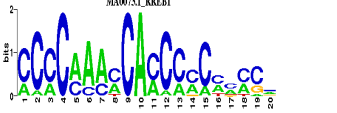
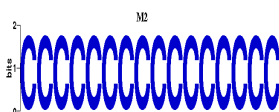
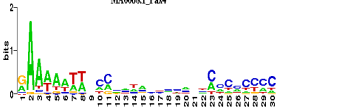
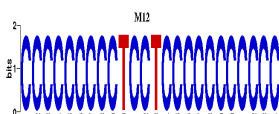
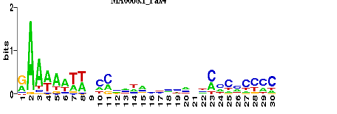
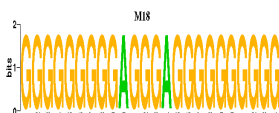
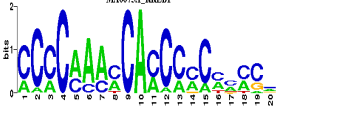
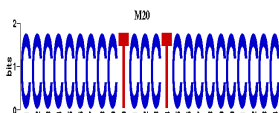
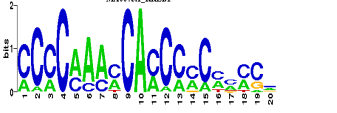


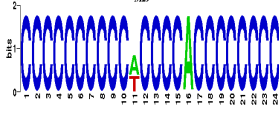
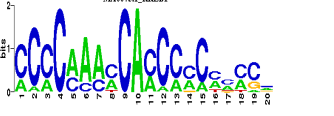
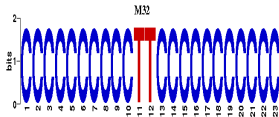
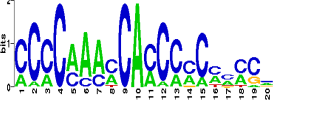
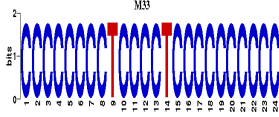
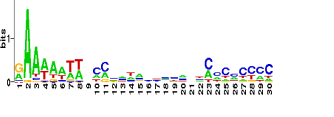
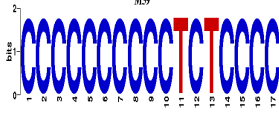
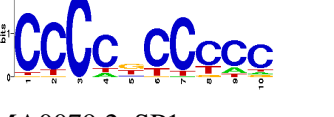
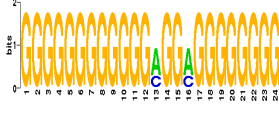
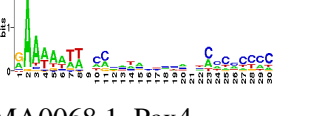

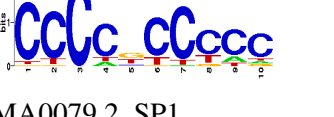
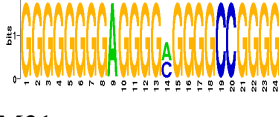
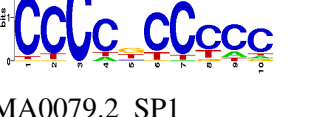
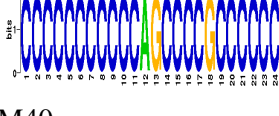
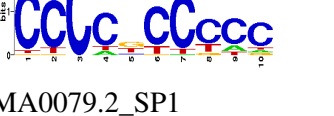
**Input Motif**

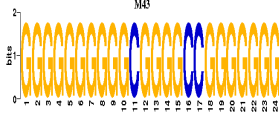
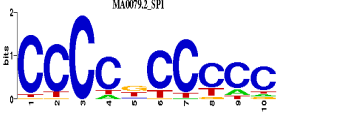
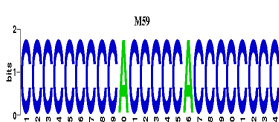
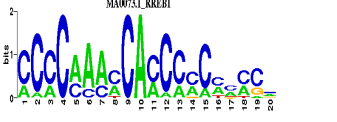
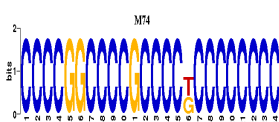
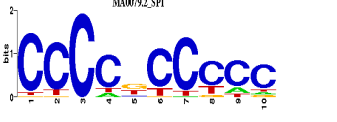
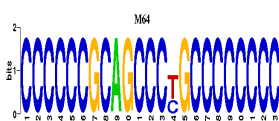
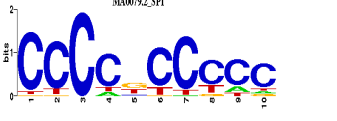
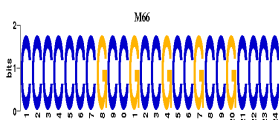
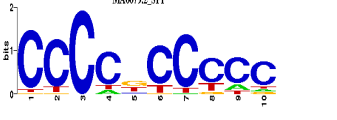
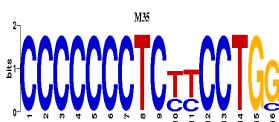
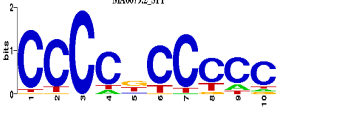

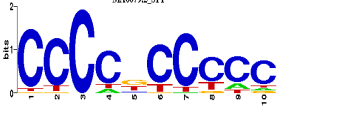
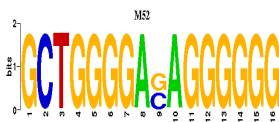
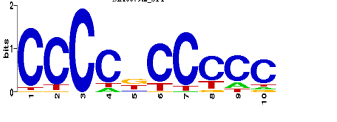
**Best match in JASPAR**

<p><b>M0</b></p>	<p>MA0277.1_AZF1 (E val: 1.0088e-11)</p>
<p><b>M7</b></p>	<p>MA0277.1_AZF1 (E val: 1.0314e-11)</p>
<p><b>M15</b></p>	<p>MA0041.1_Foxd3 (E val: 3.6342e-08)</p>
<p><b>M16</b></p>	<p>MA0277.1_AZF1 (E val: 1.7021e-07)</p>
<p><b>M19</b></p>	<p>MA0277.1_AZF1 (E val: 4.1597e-07)</p>
<p><b>M34</b></p>	<p>MA0277.1_AZF1 (E val: 1.8643e-07)</p>
<p><b>M14</b></p>	<p>MA0047.1_Foxa2 (E val: 8.0981e-08)</p>
<p><b>M3</b></p>	<p>MA0277.1_AZF1 (E val: 6.0063e-12)</p>


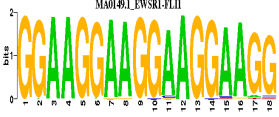
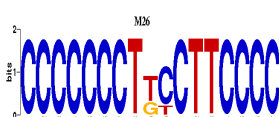
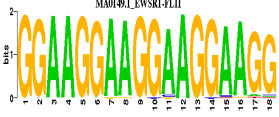
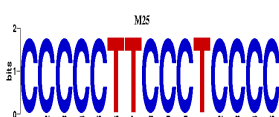
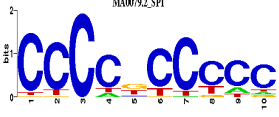

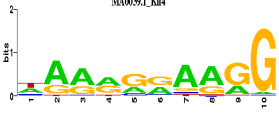
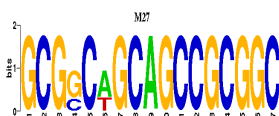

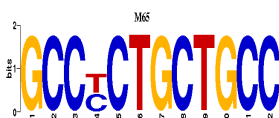
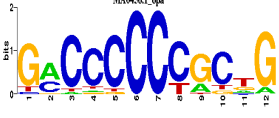


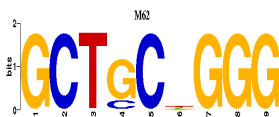

<p>M4</p>	<p>MA0277.1_AZF1 (E val: 9.2771e-10)</p>
<p>M6</p>	<p>MA0277.1_AZF1 (E val: 1.4655e-14)</p>
<p>M11</p>	<p>MA0277.1_AZF1 (E val: 5.9841e-14)</p>
<p>M5</p>	<p>MA0277.1_AZF1 (E val: 2.8743e-11)</p>
<p>M9</p>	<p>MA0277.1_AZF1 (E val: 1.4697e-09)</p>
<p>M10</p>	<p>MA0277.1_AZF1 (E val: 5.0792e-07)</p>
<p>M1</p>	<p>MA0277.1_AZF1 (E val: 5.7562e-07)</p>
<p>M22</p>	<p>MA0277.1_AZF1 (E val: 6.7751e-08)</p>


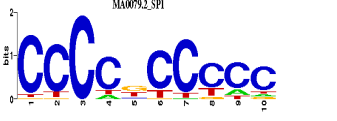
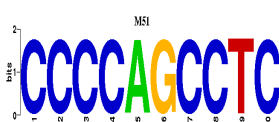
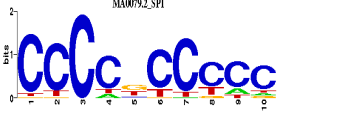
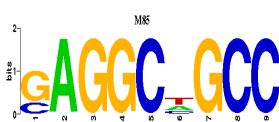

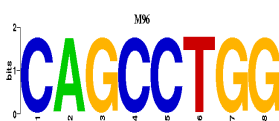
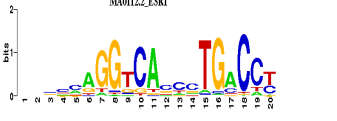

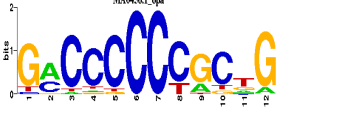






<p>M69</p> 	<p>MA0277.1_AZF1 (E val: 4.8329e-05)</p> 
<p>M83</p> 	<p>MA0277.1_AZF1 (E val: 1.5562e-04)</p> 
<p>M90</p> 	<p>MA0022.1_d1_1 (E val: 1.8450e-07)</p> 
<p>M8</p> 	<p>MA0073.1_RREB1 (E val: 6.8176e-06)</p> 
<p>M2</p> 	<p>MA0068.1_Pax4 (E val: 6.6548e-10)</p> 
<p>M12</p> 	<p>MA0068.1_Pax4 (E val: 6.2811e-12)</p> 
<p>M18</p> 	<p>MA0073.1_RREB1 (E val: 3.8005e-11)</p> 
<p>M20</p> 	<p>MA0073.1_RREB1 (E val: 3.8005e-11)</p> 








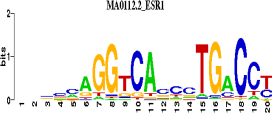

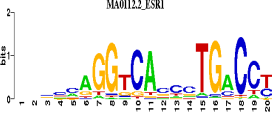

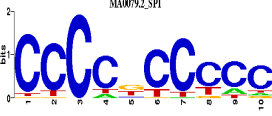




<p>M29</p> 	<p>MA0073.1_RREB1 (E val: 1.0869e-13)</p> 
<p>M32</p> 	<p>MA0073.1_RREB1 (E val: 1.1609e-08)</p> 
<p>M33</p> 	<p>MA0068.1_Pax4 (E val: 9.1038e-15)</p> 
<p>M39</p> 	<p>MA0079.2_SP1 (E val: 3.0653e-09)</p> 
<p>M41</p> 	<p>MA0068.1_Pax4 (E val: 2.5233e-11)</p> 
<p>M49</p> 	<p>MA0079.2_SP1 (E val: 2.8197e-09)</p> 
<p>M31</p> 	<p>MA0079.2_SP1 (E val: 1.1574e-11)</p> 
<p>M40</p> 	<p>MA0079.2_SP1 (E val: 1.6058e-12)</p> 




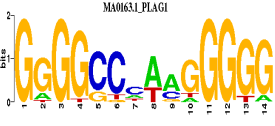
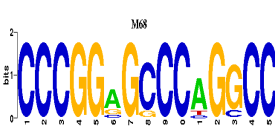
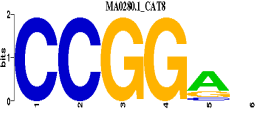

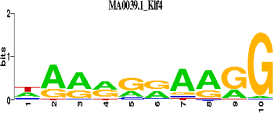

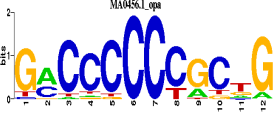



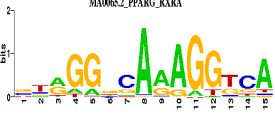


<p>M43</p> 	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.6058e-12)</p>
<p>M59</p> 	<p>MA0073.1_RREB1</p>  <p>MA0073.1_RREB1 (E val: 3.1086e-15)</p>
<p>M74</p> 	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 8.8596e-14)</p>
<p>M64</p> 	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 4.5277e-10)</p>
<p>M66</p> 	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 8.4344e-08)</p>
<p>M35</p> 	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 3.4480e-08)</p>
<p>M75</p> 	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.2704e-08)</p>
<p>M52</p> 	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 6.9090e-07)</p>

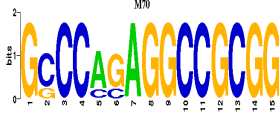
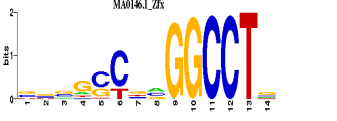

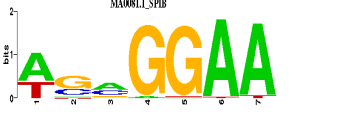

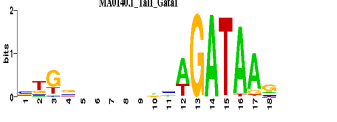

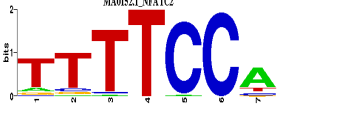
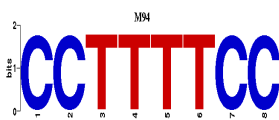
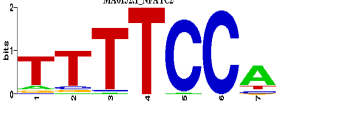
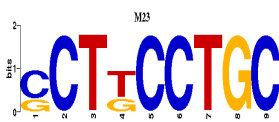
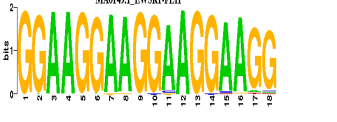












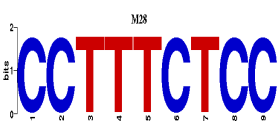
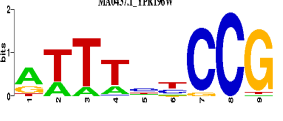



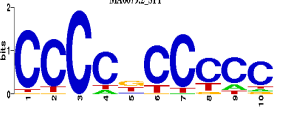
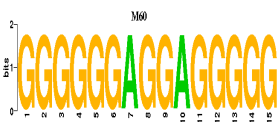
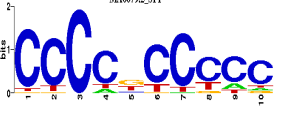

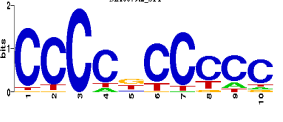
 <p><b>M17</b></p>	 <p><b>MA0149.1_EWSR1-FLI1</b> (E val: 1.1424e-13)</p>
 <p><b>M26</b></p>	 <p><b>MA0149.1_EWSR1-FLI1</b> (E val: 1.6702e-10)</p>
 <p><b>M25</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 3.6619e-06)</p>
 <p><b>M84</b></p>	 <p><b>MA0039.1_Klf4</b> (E val: 5.6485e-07)</p>
 <p><b>M27</b></p>	 <p><b>MA0055.1_Myf</b> (E val: 6.0875e-06)</p>
 <p><b>M65</b></p>	 <p><b>MA0456.1_opa</b> (E val: 7.9201e-06)</p>
 <p><b>M50</b></p>	 <p><b>MA0402.1_SWI5</b> (E val: 7.1103e-05)</p>
 <p><b>M62</b></p>	 <p><b>MA0402.1_SWI5</b> (E val: 6.7157e-06)</p>


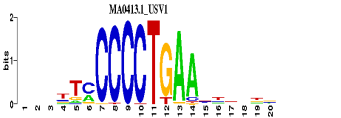

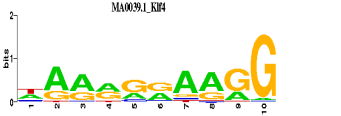

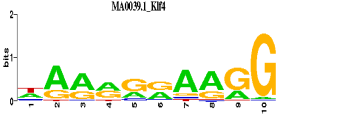



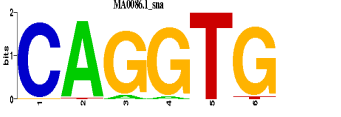



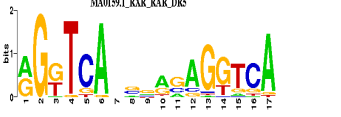

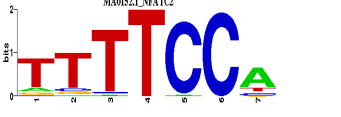
<p>M42</p> 	<p>MA0079.2_SP1 (E val: 7.1222e-07)</p> 
<p>M51</p> 	<p>MA0079.2_SP1 (E val: 4.0056e-05)</p> 
<p>M85</p> 	<p>MA0304.1_GCR1 (E val: 2.6449e-04)</p> 
<p>M96</p> 	<p>MA0112.2_ESR1 (E val: 6.9771e-04)</p> 
<p>M45</p> 	<p>MA0456.1_opa (E val: 6.4625e-06)</p> 
<p>M67</p> 	<p>MA0055.1_Myf (E val: 9.4928e-05)</p> 
<p>M61</p> 	<p>MA0373.1_RPN4 (E val: 3.5692e-05)</p> 
<p>M80</p> 	<p>MA0055.1_Myf (E val: 2.3372e-06)</p> 

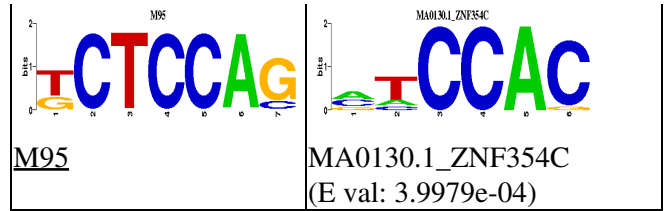
<p>M46</p> 	<p>MA0267.1_ACE2 (E val: 3.9729e-04)</p> 
<p>M76</p> 	<p>MA0267.1_ACE2 (E val: 6.9099e-04)</p> 
<p>M89</p> 	<p>MA0451.1_kni (E val: 1.0701e-04)</p> 
<p>M47</p> 	<p>MA0112.2_ESR1 (E val: 2.0906e-05)</p> 
<p>M58</p> 	<p>MA0112.2_ESR1 (E val: 1.4442e-04)</p> 
<p>M56</p> 	<p>MA0079.2_SP1 (E val: 3.5095e-05)</p> 
<p>M57</p> 	<p>MA0344.1_NHP10 (E val: 4.4558e-05)</p> 
<p>M92</p> 	<p>MA0320.1_IME1 (E val: 1.8191e-04)</p> 

 <p><b>M63</b></p>	 <p><b>MA0332.1_MET28</b> (E val: 3.2861e-04)</p>
 <p><b>M78</b></p>	 <p><b>MA0163.1_PLAG1</b> (E val: 2.6019e-04)</p>
 <p><b>M68</b></p>	 <p><b>MA0280.1_CAT8</b> (E val: 3.4592e-04)</p>
 <p><b>M13</b></p>	 <p><b>MA0039.1_Klf4</b> (E val: 4.7331e-03)</p>
 <p><b>M79</b></p>	 <p><b>MA0456.1_opa</b> (E val: 6.0193e-06)</p>
 <p><b>M77</b></p>	 <p><b>MA0207.1_achi</b> (E val: 4.1397e-04)</p>
 <p><b>M30</b></p>	 <p><b>MA0065.2_PPARG_RXRA</b> (E val: 6.8647e-09)</p>
 <p><b>M38</b></p>	 <p><b>MA0081.1_SPIB</b> (E val: 6.0498e-07)</p>

 <p><b>M70</b></p>	 <p><b>MA0146.1_Zfx</b> (E val: 9.6297e-05)</p>
 <p><b>M21</b></p>	 <p><b>MA0081.1_SPIB</b> (E val: 8.1183e-07)</p>
 <p><b>M48</b></p>	 <p><b>MA0140.1_Tal1_Gata1</b> (E val: 1.3230e-07)</p>
 <p><b>M44</b></p>	 <p><b>MA0152.1_NFATC2</b> (E val: 1.4107e-05)</p>
 <p><b>M94</b></p>	 <p><b>MA0152.1_NFATC2</b> (E val: 1.5360e-07)</p>
 <p><b>M23</b></p>	 <p><b>MA0149.1_EWSR1-FLI1</b> (E val: 4.6233e-07)</p>
 <p><b>M93</b></p>	 <p><b>MA0340.1_MOT3</b> (E val: 3.2869e-05)</p>
 <p><b>M73</b></p>	 <p><b>MA0080.2_SPI1</b> (E val: 7.1694e-06)</p>

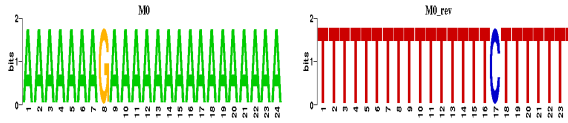
 <p><b>M86</b></p>	 <p><b>MA0080.2_SPI1</b> (E val: 3.1575e-08)</p>
 <p><b>M37</b></p>	 <p><b>MA0305.1_GCR2</b> (E val: 5.6667e-07)</p>
 <p><b>M81</b></p>	 <p><b>MA0304.1_GCR1</b> (E val: 1.3801e-08)</p>
 <p><b>M28</b></p>	 <p><b>MA0437.1_YPR196W</b> (E val: 8.4614e-07)</p>
 <p><b>M82</b></p>	 <p><b>MA0213.1_brk</b> (E val: 1.9417e-05)</p>
 <p><b>M24</b></p>	 <p><b>MA0079.2_SPI1</b> (E val: 1.1763e-11)</p>
 <p><b>M60</b></p>	 <p><b>MA0079.2_SPI1</b> (E val: 3.8207e-09)</p>
 <p><b>M53</b></p>	 <p><b>MA0079.2_SPI1</b> (E val: 3.1911e-05)</p>

<p>M72</p> 	<p>MA0413.1_USV1 (E val: 2.0639e-04)</p> 
<p>M71</p> 	<p>MA0039.1_Klf4 (E val: 3.7031e-04)</p> 
<p>M87</p> 	<p>MA0039.1_Klf4 (E val: 2.5798e-05)</p> 
<p>M36</p> 	<p>MA0354.1_PDR8 (E val: 1.5359e-03)</p> 
<p>M91</p> 	<p>MA0086.1_sna (E val: 1.9460e-06)</p> 
<p>M88</p> 	<p>MA0287.1_CUP2 (E val: 1.2149e-04)</p> 
<p>M54</p> 	<p>MA0159.1_RXR_RAR_DR5 (E val: 2.4111e-05)</p> 
<p>M55</p> 	<p>MA0152.1_NFATC2 (E val: 5.9776e-06)</p> 



### Motif Similarity Matches

**M0**



*forward*

*reverse compliment*

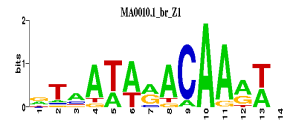
Name	E value	Alignment	Motif
MA0277.1_AZF1	1.0088e-11	TTTTTTTTTTTTTTTTCTTTTTTT -----TTTCTTTTT--	
MA0045.1_HMG-I_Y	6.2762e-06	TTTTTTTTTTTTTTTTCTTTTTTT -----RRTTYKNYNTTNTNN	
MA0082.1_squamosa	2.1382e-05	TTTTTTTTTTTTTTTTCTTTTTTT -----NTTNCYATWTWTGK	
MA0120.1_id1	7.4808e-05	AAAAAAAAAAAAAAAAAAAAAAAAA -----CGNNANNRRMNA-----	
MA0011.1_br_Z2	9.6944e-04	AAAAAAAAAAAAAAAAAAAAAAAAA --AAATAGNW-----	
MA0287.1_CUP2	2.0231e-03	AAAAAAAAAAAAAAAAAAAAAAAAA -----CAGCARAAAWG-----	
MA0041.1_Foxd3	2.0231e-03	TTTTTTTTTTTTTTTTCTTTTTTT AWTGTNTTTT-----	
MA0013.1_br_Z4	2.2874e-03	TTTTTTTTTTTTTTTTCTTTTTTT -----WTWNTTACTA-----	



Stamp Results

04/30/14

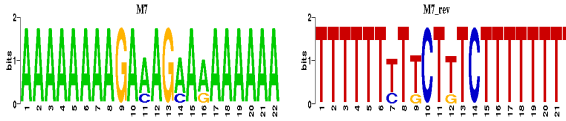
MA0010.1\_br\_Z1 2.4224e-03 -AAAAAAGAAAAAAAAAAAAAAAAAA  
N-NTNATARACAARWN-----



MA0459.1\_tll 4.0409e-03 TTTTTTTTTTTTTTTTCTTTTTTT  
-----KTTGACTTTT---



M7



*forward*

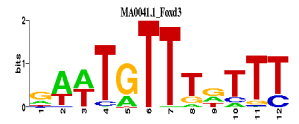
*reverse complement*

Name	E value	Alignment	Motif
MA0277.1_AZF1	1.0314e-11	AAAAAAAAGAAAGAAAAAAAAAA ---AAAAGAAA-----	
MA0082.1_squamosa	1.5411e-05	TTTTTTTTTCTTTCTTTTTTTT- -----NTTNCYATWTWTGK	
MA0287.1_CUP2	1.9301e-04	AAAAAAAAGAAAGAAAAAAAAAA -----CAGCARAAAWG-	
MA0045.1_HMG-I_Y	2.8972e-04	TTTTTTTTTCTTTCTTTTTTTT -----RTTYKNYNTTNTNN	
MA0149.1_EWSR1-FLI1	4.6020e-04	TTTTTTTTTCTTTCTTTTTTTT -CCTTCCTTCCTTCCTCC---	
MA0039.1_Klf4	5.4565e-04	AAAAAAAAGAAAGAAAAAAAAAA ----NAARRRAAG-----	
MA0120.1_id1	8.0122e-04	AAAAAAAAGAAAGAAAAAAAAAA -----CGNNANRRMNA---	
MA0011.1_br_Z2	1.1602e-03	AAAAAAAAGAAAGAAAAAAAAAA ---AAATAGNW-----	

MA0041.1\_Foxd3

3.1268e-03

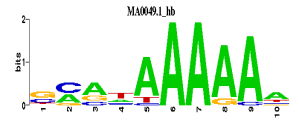
AAAAAAAAAGAAAGAAAAAAAAA  
-AAANAAACAWTN-----



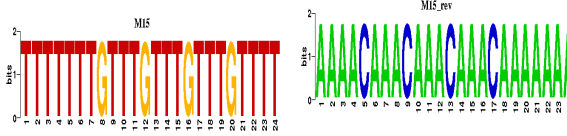
MA0049.1\_hb

3.3614e-03

-TTTTTTTTTCTTTCTTTTTTTT  
NTTTTTNYKS-----



**M15**



*forward*

*reverse compliment*

*Name*

*E value*

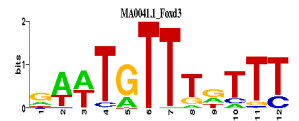
*Alignment*

*Motif*

MA0041.1\_Foxd3

3.6342e-08

TTTTTTTGTGGTTTGTGGTTT  
---NAWGTNTNTT-----



MA0045.1\_HMG-I\_Y 2.9037e-06

-TTTTTTGTGGTTTGTGGTTT  
RTTTYKNYNTTNTN-----



MA0042.1\_FOXI1

1.2238e-05

TTTTTTTGTGGTTTGTGGTTT  
---NNNRTTTRTWT-----



MA0148.1\_FOXA1

1.6522e-04

-AAAACAAACAAACAAACAAAAA  
NWRWGYAAACA-----



MA0040.1\_Foxq1

1.7733e-04

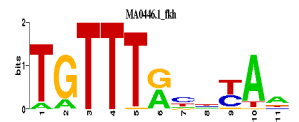
AAAACAAACAAACAAACAAAAA  
--WATAACAATN-----



MA0446.1\_fkh

1.8750e-04

-TTTTTTGTGGTTTGTGGTTT  
T-----TGTTTRNNYAN-----



MA0277.1\_AZF1

2.4775e-04

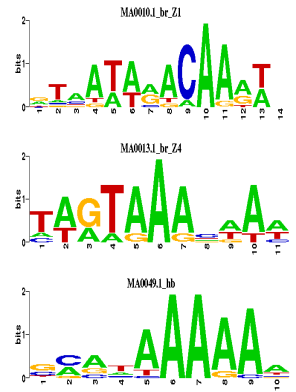
TTTTTTTGTGGTTTGTGGTTT  
-----TTTCTTTT



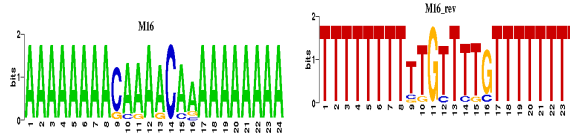
Stamp Results

04/30/14

MA0010.1_br_Z1	3.4182e-04	TTTTTTTGTGGTTTGTGGTTTGTGGTTT --NWYTTGTYTATNAN-----
MA0013.1_br_Z4	5.0261e-04	TTTTTTTGTGGTTTGTGGTTTGTGGTTT ----WTWNTTACTA-----
MA0049.1_hb	1.1206e-03	-TTTTTTTGTGGTTTGTGGTTTGTGGTTT NTTTTTNYKS-----



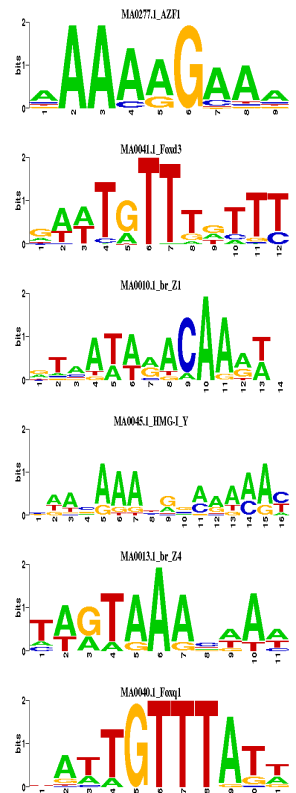
M16



*forward*

*reverse compliment*

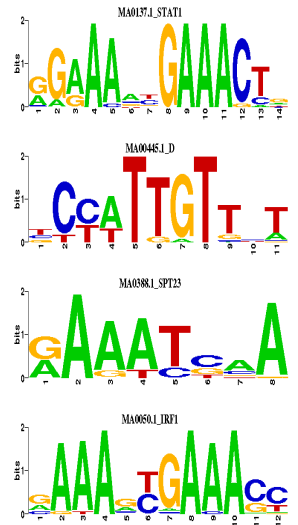
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
MA0277.1_AZF1	1.7021e-07	TTTTTTTTTTGTGGTTTGTGGTTT -----TTTCTTTT---
MA0041.1_Foxd3	4.7666e-06	AAAAAAAAACAAAACAAAAAAAAAA -AAANAAACAWTN-----
MA0010.1_br_Z1	2.2380e-05	TTTTTTTTTTGTGGTTTGTGGTTT -----NWYTTGTYTATNAN
MA0045.1_HMG-I_Y	4.6913e-05	TTTTTTTTTTGTGGTTTGTGGTTT ---RTTYKNYNTTNTNN----
MA0013.1_br_Z4	2.0918e-04	TTTTTTTTTTGTGGTTTGTGGTTT -----WTWNTTACTA---
MA0040.1_Foxq1	3.1522e-04	AAAAAAAAACAAAACAAAAAAAAAA --WATAACAATN-----



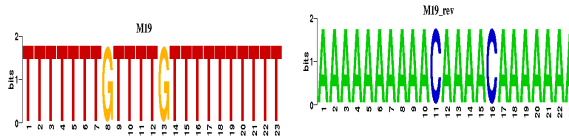
Stamp Results

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MA0137.1_STAT1	5.2290e-04	TTTTTTTTTTGTTTTGTTTTTTTTT -----NAGTTTCNNTTTCY--
MA00445.1_D	9.3837e-04	AAAAAAAAACAAAACAAAAAAAAAAA ----ANAACAATRGN-----
MA0388.1_SPT23	1.0823e-03	AAAAAAAAACAAAACAAAAAAAAAAA ---RAAATSAA-----
MA0050.1_IRF1	1.5378e-03	TTTTTTTTTTGTTTTGTTTTTTTTT -----GGTTTCRNTTTN---



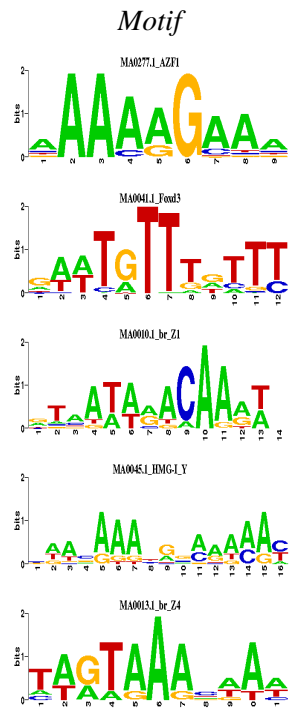
M19



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
MA0277.1_AZF1	4.1597e-07	TTTTTTTGTGGTGGTTTTTTTTTTT -----TTTCTTTT-----
MA0041.1_Foxd3	1.7969e-06	AAAAAAAAAAACAAAACAAAAAAAAA ---AAANAACAATN-----
MA0010.1_br_Z1	1.2594e-05	TTTTTTTGTGGTGGTTTTTTTTTTT -----NWYTTGTYTATNAN--
MA0045.1_HMG-I_Y	3.6589e-05	TTTTTTTGTGGTGGTTTTTTTTTTT RTTTYKNYNTTNTN-----
MA0013.1_br_Z4	1.1861e-04	TTTTTTTGTGGTGGTTTTTTTTTTT -----WTWNTTACTA----



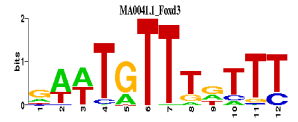


Stamp Results

04/30/14

MA0041.1\_Foxd3 6.2601e-04

TTTKGGTTTTTTTTTTTT  
-----NAWIGTTTNTTT-



MA0050.1\_IRF1 6.3736e-04

TTTKGGTTTTTTTTTTTT  
----GGTTTCRNTTTN--



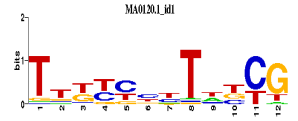
MA0010.1\_br\_Z1 7.2084e-04

-AAAAAAAAAAAAACCMAAA  
TNATARACAARWN-----



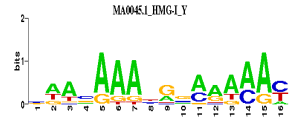
MA0120.1\_id1 8.3265e-04

-AAAAAAAAAAAAACCMAAA  
CGNNANNRRMNA-----



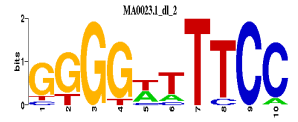
MA0045.1\_HMG-I\_Y 1.1818e-03

TTTKGGTTTTTTTTTTTT---  
-----RTTYKNYNTTNTNN

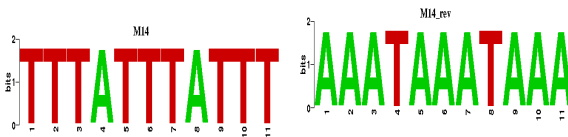


MA0023.1\_dl\_2 1.2073e-03

AAAAAAAAAAAAACCMAAA  
-----GGAAAWCCCC--



M14



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

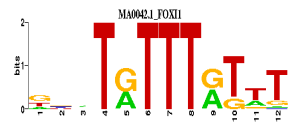
MA0047.1\_Foxa2 8.0981e-08

AAATAAATAAA-  
AARYAAATANTN



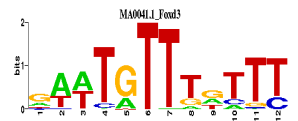
MA0042.1\_FOXI1 1.8548e-07

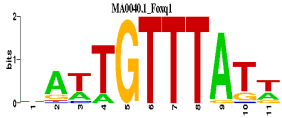
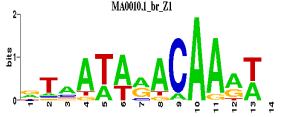


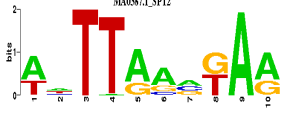

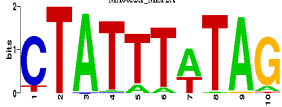
AAATAAATAAA-  
AWAYAAAYANNN



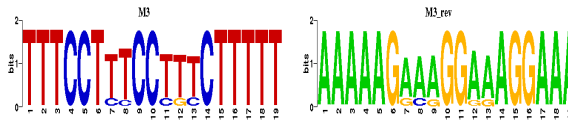
MA0041.1\_Foxd3 2.7579e-07

-TTTATTTATTT  
NAWIGTTTNTTT




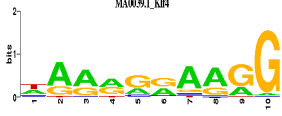
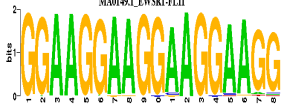
MA0040.1_Foxq1	1.4336e-06	AAATAAATAAA-- -WATAACAATN	
MA0010.1_br_Z1	1.8108e-06	-AAATAAATAAA-- NTNATARACAARWN	
MA0135.1_Lhx3	2.1618e-06	--TTTATTTATTT NRWTAATTAATTW	
MA0013.1_br_Z4	2.6690e-06	TTTATTTATTT WTWNTTACTA	
MA0387.1_SPT2	3.8059e-06	TTTATTTATTT -TTMNTTAANT	
MA0216.1_cad	4.4672e-06	AAATAAATAAA YAATAAA----	
MA0052.1_MEF2A	6.3108e-06	TTTATTTATTT -CTATTTATAG	

**M3**



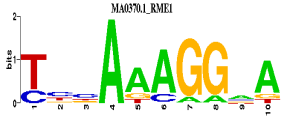
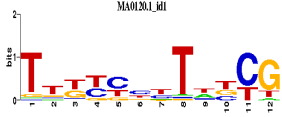

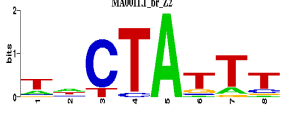
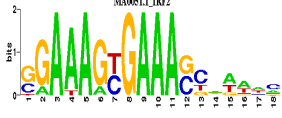

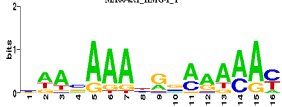
*forward*

*reverse compliment*

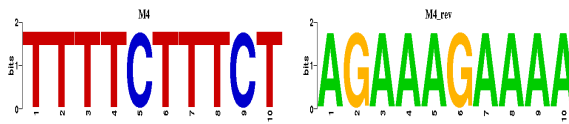
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	6.0063e-12	AAAAAGAAAGGAAAGGAAA AAAAAGAAA-----	
MA0039.1_Klf4	1.5961e-07	AAAAAGAAAGGAAAGGAAA -NAARRRAAGG-----	
MA0149.1_EWSR1-FLI1	3.5569e-07	TTTCCTTTCCTTTCCTTTT CCTTCCTTTCCTTTCCTTC-	

Stamp Results

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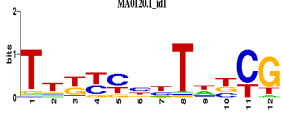
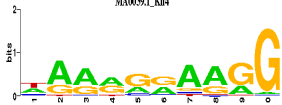
MA0370.1_RME1	1.0256e-04	AAAAAGAAAGGAAAGGAAA -----TNNAAAGGNA-	
MA0120.1_id1	1.1292e-04	AAAAAGAAAGGAAAGGAAA- -----CGNNANRRMNA	
MA0137.1_STAT1	2.5945e-04	AAAAAGAAAGGAAAGGAAA--- -----RGAAANNGAAACTN	
MA0011.1_br_Z2	7.9842e-04	TTTCCTTTCCTTTCCTTTT -----WNCTATTT	
MA0051.1_IRF2	1.1156e-03	TTTCCTTTCCTTTCCTTTT-- ---NNWWNRSTTTCRCCTTCS	
MA00445.1_D	1.1186e-03	AAAAAGAAAGGAAAGGAAA -ANAACAATRGN-----	
MA0045.1_HMG-I_Y	1.4073e-03	---TTTCCTTTCCTTTCCTTTT RTTTYKYNNTTNTNN-----	

M4

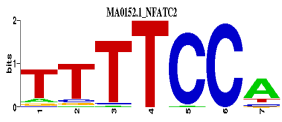

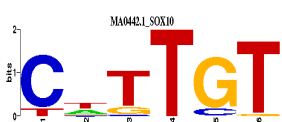






*forward*

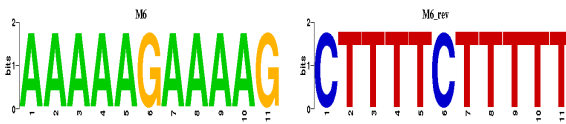
*reverse compliment*

Name	E value	Alignment	Motif
MA0277.1_AZF1	9.2771e-10	TTTTCTTTCT -TTTTTTTT	
MA0120.1_id1	1.2353e-05	--AGAAAGAAAA CGNNANRRMNA	
MA0039.1_Klf4	4.1705e-04	AGAAAGAAAA- -NAARRRAAGG	




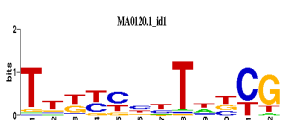
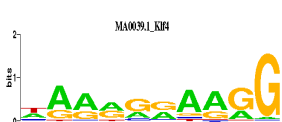
MA0152.1_NFATC2	6.8943e-04	AGAAAGAAAA ---TGGAAAA	
MA0370.1_RME1	8.1793e-04	TTTTCTTTCT- -TNCCTTTNNA	
MA0442.1_SOX10	1.2872e-03	AGAAAGAAAA ACAAWG----	
MA0149.1_EWSR1-FLI1	1.4444e-03	---AGAAAGAAAA----- GGAAGGAAGGAAGGAAGG	
MA0050.1_IRF1	1.8301e-03	---TTTTCTTTCT GGTTTCRNTTTN-	
MA0148.1_FOXA1	2.1602e-03	AGAAAGAAAA-- -NWRWG YAAACA	
MA0080.2_SPI1	2.4173e-03	TTTTCTTTCT ---ACTTCT	

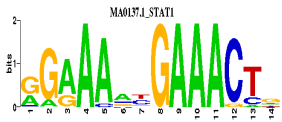
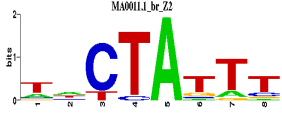

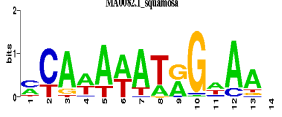



**M6**



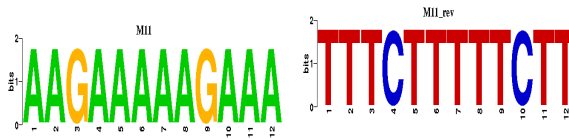
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	1.4655e-14	CTTTTCTTTTT --TTTCTTTTT	
MA0120.1_id1	3.5471e-07	--AAAAGAAAAG CGNNANNRRMNA-	
MA0039.1_Klf4	4.7212e-06	AAAAGAAAAG -NAARRRAAGG	



MA0137.1_STAT1	3.1104e-05	-CTTTTCTTTTT-- NAGTTTCNNTTTCY	
MA0011.1_br_Z2	4.3080e-05	AAAAAGAAAAG AAATAGNW---	
MA0045.1_HMG-I_Y	8.5151e-05	-CTTTTCTTTTT---- RTTTYKNYNTTTNTNN	
MA0082.1_squamosa	9.6584e-05	CTTTTCTTTTT---- -NTNCYATWTWTKG	
MA0459.1_tll	1.1557e-04	CTTTTCTTTTT KTTGACTTTT-	
MA00445.1_D	1.2617e-04	AAAAAGAAAAG- -ANAACAATRGN	
MA0287.1_CUP2	1.8459e-04	AAAAAGAAAAG CAGCARAAAWG	

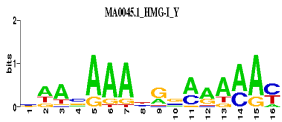




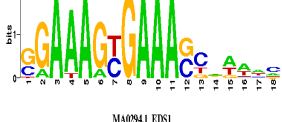


**M11**



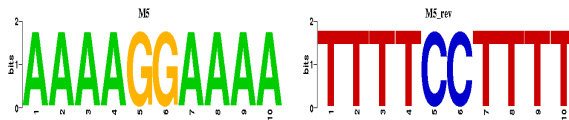
*forward*

*reverse compliment*

Name	E value	Alignment	Motif
MA0277.1_AZF1	5.9841e-14	TTTCTTTTTCTT TTTCTTTTT---	
MA0137.1_STAT1	1.4023e-07	---TTTCTTTTTCTT NAGTTTCNNTTTCY-	


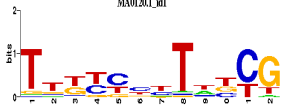
MA0045.1_HMG-I_Y	1.0048e-06	---TTTCTTTTTCTT- RTTYKYNNTTNTNN	
MA0120.1_id1	2.4047e-06	AAGAAAAAGAAA- -CGNNANRRMNA	
MA0050.1_IRF1	2.1305e-05	--TTTCTTTTTCTT GGTTTCRNNTTN--	
MA0082.1_squamosa	4.7983e-05	-TTTCTTTTTCTT- NTTNCYATWTWGK	
MA0011.1_br_Z2	7.5336e-05	AAGAAAAAGAAA ---AAATAGNW-	
MA0051.1_IRF2	3.4002e-04	-----TTTCTTTTTCTT NNWWNRSTTTCRCTTCS-	
MA0294.1_EDS1	5.0812e-04	TTTCTTTTTCTT ---NTTNTCCN	
MA0030.1_FOXP2	1.2456e-03	TTTCTTTTTCTT-- NNTGTTTACSNNTN	

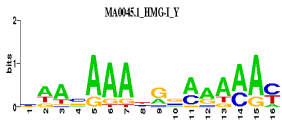







M5



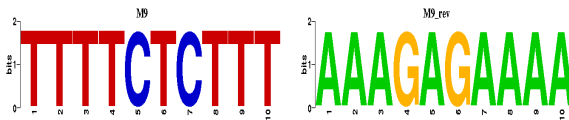
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	2.8743e-11	TTTTCTTTT -TTTTCTTTT	
MA0120.1_id1	2.5383e-10	--AAAAGGAAAA CGNNANRRMNA	


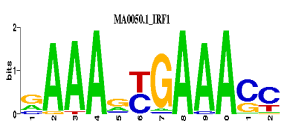
MA0045.1_HMG-I_Y	8.4450e-08	--TTTTCCTTTT---- RTTYKKNYNTTNTNN	
MA0370.1_RME1	1.0574e-06	TTTTCCTTTT-- --TNCCTTTNNA	
MA0137.1_STAT1	1.1218e-06	--TTTTCCTTTT-- NAGTTTCNNTTTCY	
MA0152.1_NFATC2	1.2323e-06	AAAAGGAAAA ---TGAAAA	
MA0082.1_squamosa	1.2214e-05	TTTTCCTTTT---- NTTNCYATWTWTGK	
MA0459.1_tll	4.3169e-05	TTTTCCTTTT KTTGACTTTT	
MA0050.1_IRF1	1.2517e-04	-TTTTCCTTTT- GGTTTCRNNTTN	
MA0294.1_EDS1	1.2759e-04	--TTTTCCTTTT NTTNTTCN---	

**M9**




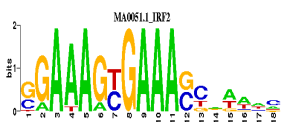
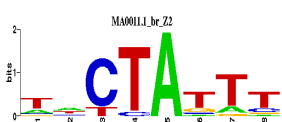




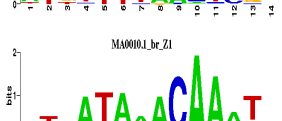
*forward*

*reverse compliment*

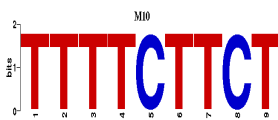
Name	E value	Alignment	Motif
MA0277.1_AZF1	1.4697e-09	TTTTCTCTTT -TTTCTTTTT	
MA0050.1_IRF1	5.5831e-07	-TTTTCTCTTT- GGTTTCRNNTTN	

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MA0120.1_id1	1.2200e-06	--AAAGAGAAAA CGNNANNRRMNA	
MA0051.1_IRF2	6.6522e-06	--AAAGAGAAAA----- SGAAAGYGAAASYNWWNN	
MA0011.1_br_Z2	2.1725e-05	AAAGAGAAAA AAATAGNW--	
MA0045.1_HMG-I_Y	1.1188e-04	--TTTTCTCTTT---- RTTYKNYNTTNTN	
MA0326.1_MAC1	1.1895e-04	AAAGAGAAAA --YGAGCAAA	
MA0081.1_SPIB	2.0919e-04	TTTTCTCTTT -TTCKST--	
MA0082.1_squamosa	2.4404e-04	----AAAGAGAAAA MCAWAWATRGNAAN	
MA0010.1_br_Z1	2.6111e-04	-TTTTCTCTTT--- NWYTTGTYTATNAN	


**M10**


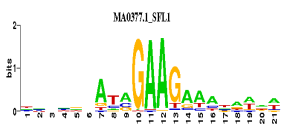
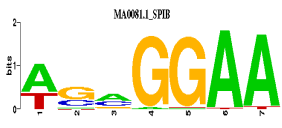
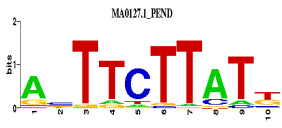
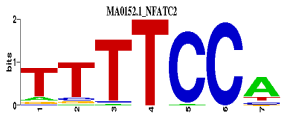
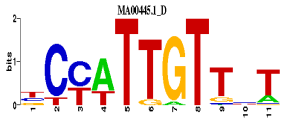
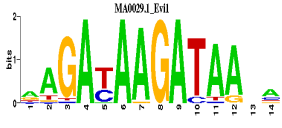




*forward*

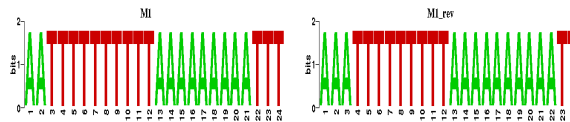


*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	5.0792e-07	TTTTCTTCT- -TTCTTTTT	


MA0287.1_CUP2	1.3466e-06	-AGAAGAAAA- CAGCARAAAWG	
MA0377.1_SFL1	6.5914e-05	----TTTTCTTCT----- WNWNNNWTCTTCNNTNNNNNN	
MA0081.1_SPIB	9.5442e-05	AGAAGAAAA ASMGGAA--	
MA0127.1_PEND	1.7608e-04	-AGAAGAAAA MATAAGAANT	
MA0152.1_NFATC2	3.9635e-04	AGAAGAAAA --TGGAAAA	
MA00445.1_D	5.4275e-04	AGAAGAAAA-- ANAACAATRGN	
MA0029.1_Evi1	5.7399e-04	--TTTTCTTCT--- NNTTATCTTRTCTN	
MA0120.1_id1	7.1949e-04	--AGAAGAAAA- CGNNANNRRMNA	
MA0371.1_ROX1	2.0002e-03	-AGAAGAAAA-- GAGAACAATNGR	

M1



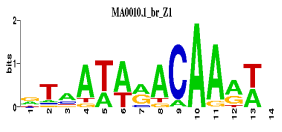
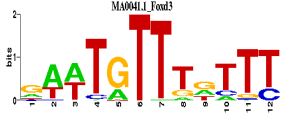
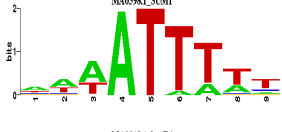




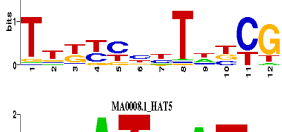

*forward*

*reverse compliment*

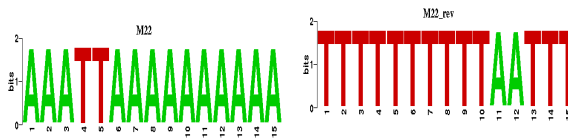
Name	E value	Alignment	Motif
MA0277.1_AZF1	5.7562e-07	AATTTTTTTTTTAAAAAAAATTT --TTCCTTTTT-----	

Stamp Results

04/30/14

MA0010.1_br_Z1	1.1455e-05	AAATTTTTTTTTTAAAAAAAAAATT -----NTNATARACAARWN	
MA0041.1_Foxd3	5.4752e-05	AAATTTTTTTTTTAAAAAAAAAATT -----AAANAAACAWTN	
MA0398.1_SUM1	2.8422e-04	AATTTTTTTTTTTAAAAAAAAAATT- -----NAAAATTWN	
MA0013.1_br_Z4	7.5329e-04	AAATTTTTTTTTTAAAAAAAAAATT --WTWNTTACTA-----	
MA0040.1_Foxq1	1.2247e-03	AAATTTTTTTTTTAAAAAAAAAATT -----WATAACAATN-	
MA0151.1_ARID3A	3.0157e-03	AAATTTTTTTTTTAAAAAAAAAATT -----TTAAT-----	
MA0047.1_Foxa2	3.4674e-03	AAATTTTTTTTTTAAAAAAAAAATT -----AARYAAATANTN	
MA0120.1_id1	3.5604e-03	AAATTTTTTTTTTAAAAAAAAAATT -----CGNNANNRRMNA--	
MA0008.1_HAT5	4.0522e-03	AAATTTTTTTTTTAAAAAAAAAATT -----AATAATTN	

M22



*forward*

*reverse compliment*

*Name*











*E value*

*Alignment*

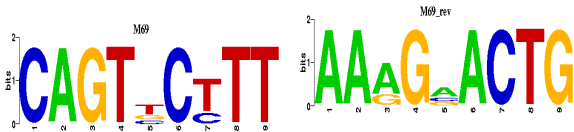
*Motif*

Stamp Results

04/30/14

MA0277.1_AZF1	6.7751e-08	TTTTTTTTTTAATTT TTTCTTTT-----	
MA0151.1_ARID3A	1.0108e-06	TTTTTTTTTTAATTT -----TTTAAT--	
MA0226.1_hbn	1.1105e-05	AAATTAAAAAAAAAAA YAATTAA-----	
MA0194.1_Lim1	1.1681e-05	AAATTAAAAAAAAAAA TAATTAA-----	
MA0240.1_repo	1.2416e-05	TTTTTTTTTTAATTT -----TTAATTA	
MA0208.1_al	1.2808e-05	TTTTTTTTTTAATTT -----TTAATTA	
MA0192.1_Hmx	1.3657e-05	AAATTAAAAAAAAAAA CAATTAA-----	
MA0172.1_CG11294	1.4828e-05	TTTTTTTTTTAATTT -----TTAATTA	
MA0176.1_CG15696	1.5619e-05	AAATTAAAAAAAAAAA YAATTAA-----	
MA0250.1_unc-4	1.5666e-05	AAATTAAAAAAAAAAA CAATTAA-----	


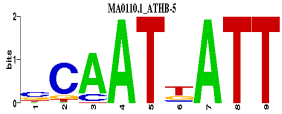
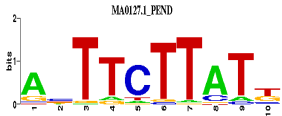
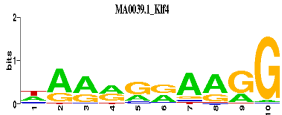





M69



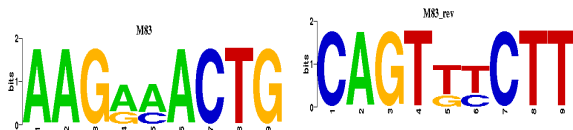
*forward*

*reverse complement*




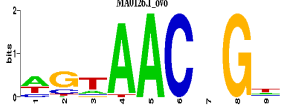
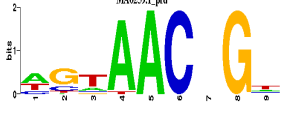
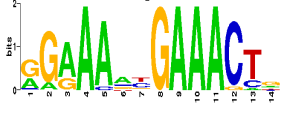




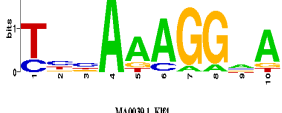
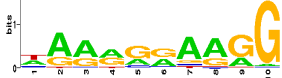
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	4.8329e-05	CAGTNC <del>TTT</del> -- --TTTCTTTT	
MA0110.1_ATHB-5	1.6295e-03	AAAGNACTG-- -AATMATTGN	
MA0127.1_PEND	1.7966e-03	--AAAGNACTG MATAAGAANT-	
MA0039.1_Klf4	1.9752e-03	-AAAGNACTG NAARRRAAGG	
MA0407.1_THI2	2.4579e-03	CAGTNC <del>TTT</del> ----- --GTTCTTASRGTTKCC	
MA0080.2_SPI1	2.6762e-03	CAGTNC <del>TTT</del> -ACTTCCT-	
MA0053.1_MNB1A	3.7921e-03	CAGTNC <del>TTT</del> ----NCTTT	
MA0064.1_PBF	4.0834e-03	CAGTNC <del>TTT</del> ----RCTTT	
MA0055.1_Myf	4.4594e-03	---CAGTNC <del>TTT</del> CAGCAGYTGCYK	
MA0335.1_MET4	6.2212e-03	---CAGTNC <del>TTT</del> CCACAGNT----	

M83

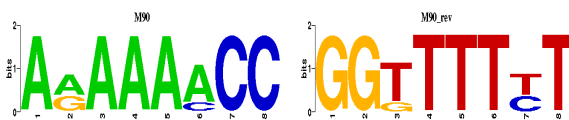


*forward*

*reverse compliment*

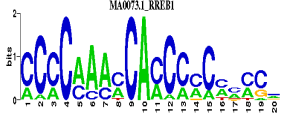
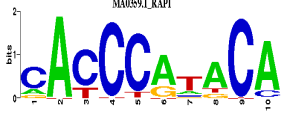
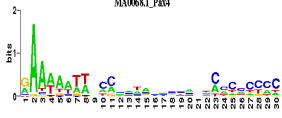


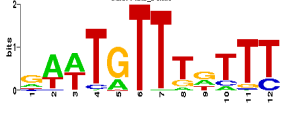

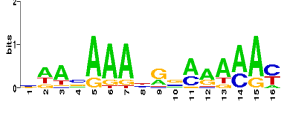


Name	E value	Alignment	Motif
MA0277.1_AZF1	1.5562e-04	---AAGAACTG AAAAAGAAA---	
MA0126.1_ovo	3.1687e-04	-CAGTTTCTT NCNGTTACW-	
MA0239.1_prd	3.1687e-04	-CAGTTTCTT NCNGTTACW-	
MA0137.1_STAT1	5.5514e-04	-----AAGAACTG RGAAANNGAAACTN	
MA0055.1_Myf	8.4844e-04	---CAGTTTCTT CAGCAGYTG CYK	
MA0080.2_SPI1	1.1184e-03	CAGTTTCTT -ACTTCT-	
MA0393.1_STE12	1.2499e-03	CAGTTTCTT -YGTTC-	
MA0260.1_che-1	1.4705e-03	AAGAACTG --GAARCC-	
MA0370.1_RME1	3.7709e-03	----AAGAACTG TNNAAGGNA---	
MA0039.1_Klf4	4.1202e-03	--AAGAACTG NAARRRAAG-	

M90

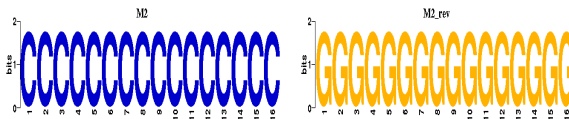


forward



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	6.8176e-06	-GTGTGTGTGTGTGTGTGTG NGKKKGKGGGTGKTTTGGGG	
MA0359.1_RAP1	2.9910e-05	GTGTGTGTGTGTGTGTGTG -TGTATGGGTG-----	
MA0068.1_Pax4	9.6057e-03	-----CACACACACACACACAC- RAAWAWWWNNMNNNNNNNNNNMNNNNYMC	
MA0162.1_Egr1	2.6664e-02	CACACACACACACACACAC -MCGCCACGCN-----	
MA0327.1_MATA1	3.1191e-02	-GTGTGTGTGTGTGTGTGTG ATTGTGY-----	
MA0041.1_Foxd3	4.3573e-02	CACACACACACACACACAC -AAANAAACAWTN-----	
MA0332.1_MET28	5.9920e-02	-CACACACACACACACACAC CCACAG-----	
MA0045.1_HMG-I_Y	6.0974e-02	GTGTGTGTGTGTGTGTGTG RTTTYKYNNTTNTNN---	
MA0042.1_FOXI1	8.1639e-02	CACACACACACACACACAC -AWAYAAAYANN-----	
MA0288.1_CUP9	8.2855e-02	-GTGTGTGTGTGTGTGTGTG WWTGTGTCA-----	

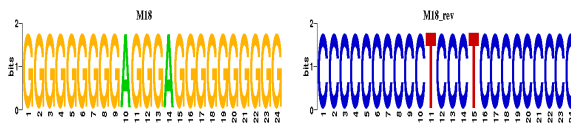
M2





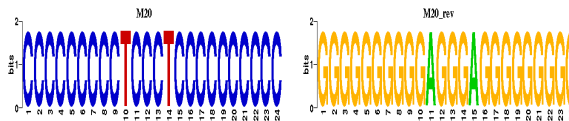
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0068.1_Pax4	6.2811e-12	GGGGGGGGGGGAGGAGGGGGGGGG----- -GKRNNNNKNNNNNNNNNNNNKNNWWWTTTY	
MA0073.1_RREB1	1.4953e-10	GGGGGGGGGGGAGGAGGGGGGGGG -NGKKKGKGGGTGKTTTGGGG---	
MA0079.2_SP1	1.4226e-08	CCCCCCCCCTCCTCCCCCCCCCCC -----CCCCNCCCC-	
MA0149.1_EWSR1-FLI1	6.1443e-06	CCCCCCCCCTCCTCCCCCCCCCCC -----CCTTCCTTCCTTCCTTC	
MA0443.1_btd	6.6132e-05	CCCCCCCCCTCCTCCCCCCCCCCC -----YCCGCCMCN-----	
MA0366.1_RGM1	9.1437e-05	CCCCCCCCCTCCTCCCCCCCCCCC -----CCCCT-----	
MA0342.1_MSN4	9.5799e-05	GGGGGGGGGGGAGGAGGGGGGGGG -----AGGGG-----	
MA0456.1_opa	1.4927e-04	GGGGGGGGGGGAGGAGGGGGGGGG- -----CNGCGGGGGGKC	
MA0163.1_PLAG1	1.8929e-04	GGGGGGGGGGGAGGAGGGGGGGGG -----GGGGCCNAAGGGGG-----	
MA0341.1_MSN2	2.2379e-04	GGGGGGGGGGGAGGAGGGGGGGGG -----AGGGG-----	

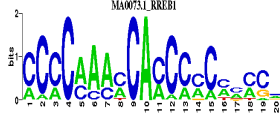
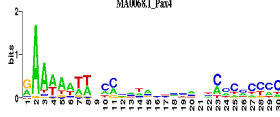
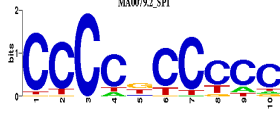



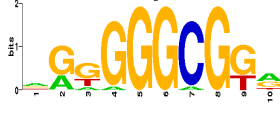
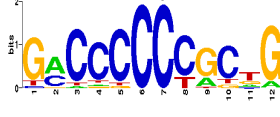


**M18**



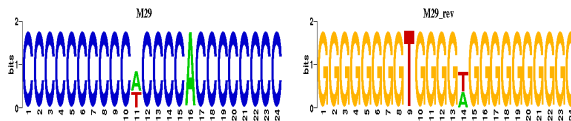
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	3.8005e-11	-GGGGGGGGGAGGGAGGGGGGGGGG NGKKKGKGGGTGKTTTGGGG-----	
MA0068.1_Pax4	1.2075e-09	GGGGGGGGGAGGGAGGGGGGGGGG----- -GKRNNNNKNNNNNNNNNNNNKNNWWWTTTY	
MA0079.2_SP1	1.4226e-08	CCCCCCCCCTCCCTCCCCCCCCCC CCCNCCCC-----	
MA0149.1_EWSR1-FLI1	7.4014e-06	CCCCCCCCCTCCCTCCCCCCCCCC ---CCTTCCTTCCTTCCTTCC---	
MA0366.1_RGM1	9.1437e-05	CCCCCCCCCTCCCTCCCCCCCCCC -----CCCT-----	
MA0342.1_MSNA	9.5799e-05	GGGGGGGGGAGGGAGGGGGGGGGG -----AGGG-----	
MA0443.1_btd	1.1076e-04	CCCCCCCCCTCCCTCCCCCCCCCC -----YCCGCCMCN	
MA0456.1_opa	1.4927e-04	GGGGGGGGGAGGGAGGGGGGGGGG -----CNGCGGGGGK	
MA0341.1_MSNA2	2.2379e-04	GGGGGGGGGAGGGAGGGGGGGGGG -----AGGG-----	
MA0163.1_PLA1	6.7468e-04	GGGGGGGGGAGGGAGGGGGGGGGG -----GGGGCCNAAGGGG-----	

**M20**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	3.8005e-11	GGGGGGGGGGAGGGAGGGGGGGGG NGKKKGKGGGTGKTTTGGGG----	
MA0068.1_Pax4	1.2075e-09	GGGGGGGGGGAGGGAGGGGGGGGG----- --GKRNNNNKNNNNNNNNNNNNKNNWWWTWT TY	
MA0079.2_SP1	1.4226e-08	CCCCCCCCCTCCCTCCCCCCCCCC -----CCCNCCCC	
MA0149.1_EWSR1-FLI1	6.1658e-06	CCCCCCCCCTCCCTCCCCCCCCCC -----CCTTCCTTCCTTCCTTC	
MA0366.1_RGM1	9.1437e-05	CCCCCCCCCTCCCTCCCCCCCCCC -----CCCCT-----	
MA0342.1_MSN4	9.5799e-05	GGGGGGGGGGAGGGAGGGGGGGGG -----AGGGG-----	
MA0443.1_btd	1.1076e-04	CCCCCCCCCTCCCTCCCCCCCCCC -----YCCGCCMCN--	
MA0456.1_opa	1.4927e-04	GGGGGGGGGGAGGGAGGGGGGGGG-- -----CNGCGGGGGGKC	
MA0341.1_MSN2	2.2379e-04	GGGGGGGGGGAGGGAGGGGGGGGG -----AGGGG-----	
MA0163.1_PLAG1	6.7468e-04	GGGGGGGGGGAGGGAGGGGGGGGG -----GGGGCCNAAGGGG-----	

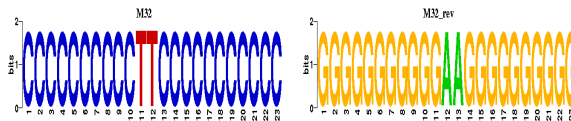
**M29**

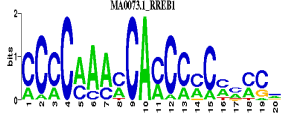
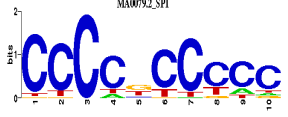
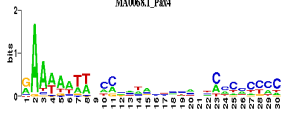
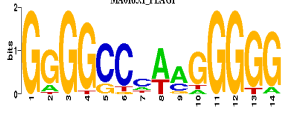




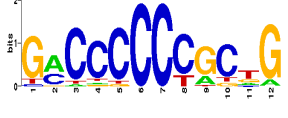





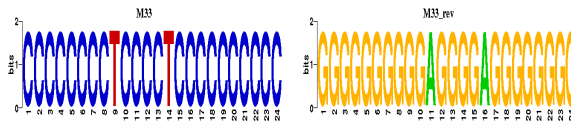
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	1.0869e-13	--GGGGGGGGTGGGGWGGGGGGGGGG NGKKKGKGGGTGKTTTGGGG-----	
MA0068.1_Pax4	3.2643e-10	GGGGGGGGTGGGGWGGGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTTTY	
MA0079.2_SP1	1.4226e-08	CCCCCCCCCWCCCCACCCCCCCC CCCNCCCC-----	
MA0039.2_Klf4	4.4242e-05	CCCCCCCCCWCCCCACCCCCCCC -----GCCMCRCN-----	
MA0436.1_YPR022C	6.3182e-05	GGGGGGGGTGGGGWGGGGGGGGGG -----NGTGGGG-----	
MA0268.1_ADR1	1.9774e-04	GGGGGGGGTGGGGWGGGGGGGGGG -----KTGGGGN-----	
MA0373.1_RPN4	5.4283e-04	GGGGGGGGTGGGGWGGGGGGGGGG -----GGTGGCG-----	
MA0450.1_hkb	5.5168e-04	CCCCCCCCCWCCCCACCCCCCCC -----TCACGCCM--	
MA0079.1_SP1	1.0600e-03	CCCCCCCCCWCCCCACCCCCCCC-- -----ACCCNGCCNN	
MA0456.1_opa	1.1415e-03	GGGGGGGGTGGGGWGGGGGGGGGG -----CNGCGGGGGK	

M32



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	1.1609e-08	GGGGGGGGGGGAAGGGGGGGGGG -NGKKKGKGGGTGKTTTGGGG--	
MA0079.2_SP1	1.3815e-08	CCCCCCCCCTTCCCCCCCCCCC CCCCNCCCC-----	
MA0068.1_Pax4	1.4156e-08	GGGGGGGGGGGAAGGGGGGGGGG----- -GKRNNNNKNNNNNNNNNNKNNWWWWTWTT	
MA0163.1_PLAG1	7.2798e-08	CCCCCCCCCTTCCCCCCCCCCC -----CCCCTTNGGCC-----	
MA0149.1_EWSR1-FLI1	4.5137e-06	CCCCCCCCCTTCCCCCCCCCCC ----CCTTCCTTCCTTCCTTC--	
MA0366.1_RGM1	8.4483e-05	CCCCCCCCCTTCCCCCCCCCCC -----CCCCT-----	
MA0342.1_MSN4	8.8494e-05	GGGGGGGGGGGAAGGGGGGGGGG -----AGGGG-----	
MA0443.1_btd	1.0056e-04	CCCCCCCCCTTCCCCCCCCCCC -----YCCGCCMCN--	
MA0456.1_opa	1.1041e-04	GGGGGGGGGGGAAGGGGGGGGGG -----CNGCGGGGGGKC	
MA0341.1_MSN2	2.0604e-04	GGGGGGGGGGGAAGGGGGGGGGG -----AGGGG-----	

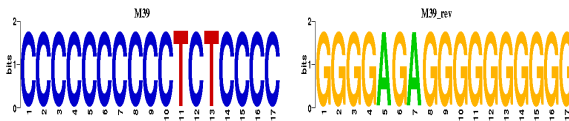
**M33**

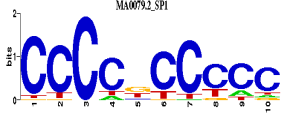
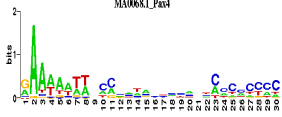
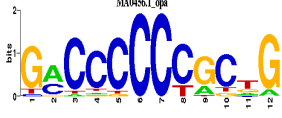
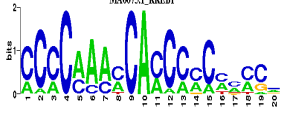




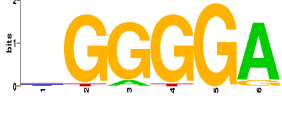



*forward*                      *reverse compliment*

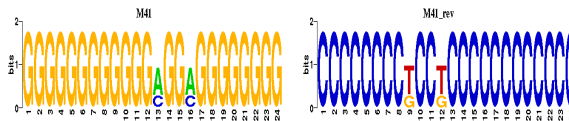
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0068.1_Pax4	9.1038e-15	GGGGGGGGGAGGGGAGGGGGGGG----- --GKRNNNNKNNNNNNNNNNKNNWWWTWTTY	
MA0079.2_SP1	1.1574e-11	GGGGGGGGGAGGGGAGGGGGGGG -----GGGGNGGGG-----	
MA0073.1_RREB1	6.9923e-10	GGGGGGGGGAGGGGAGGGGGGGG NGKKKGKGGTGKTTTGGGG----	
MA0149.1_EWSR1-FLI1	7.2598e-06	CCCCCCCCCTCCCTCCCCCCCCCC -----CCTTCCTTCCTTCCTTC	
MA0366.1_RGM1	9.1437e-05	CCCCCCCCCTCCCTCCCCCCCCCC ----CCCCT-----	
MA0342.1_MSNA	9.5799e-05	GGGGGGGGGAGGGGAGGGGGGGG -----AGGGG-----	
MA0443.1_btd	1.1076e-04	CCCCCCCCCTCCCTCCCCCCCCCC -----YCCGCCMCN--	
MA0341.1_MSNA	2.2379e-04	GGGGGGGGGAGGGGAGGGGGGGG -----AGGGG-----	
MA0456.1_opa	6.9396e-04	--CCCCCCCCCTCCCTCCCCCCCCCC GMCCCCCGCNG-----	
MA0056.1_MZF1_1-4	1.2180e-03	CCCCCCCCCTCCCTCCCCCCCCCC -----TCCCN-----	

**M39**



<i>Name</i>	<i>E value</i>	<i>forward</i>	<i>reverse compliment</i>	<i>Motif</i>
MA0079.2_SP1	3.0653e-09	CCCCCCCCCTCTCCCC	CCCCNCCCCC-----	
MA0068.1_Pax4	1.6870e-06	----GGGGAGAGGGGGGGGG--	GKRNNNNKNNNNNNNNNNNNKNNWWWWTWTYY	
MA0456.1_opa	1.5097e-05	GGGGAGAGGGGGGGGGGG	---CNGCGGGGGGGK---	
MA0073.1_RREB1	2.7440e-05	----GGGGAGAGGGGGGGGG--	NGKKKGKGGGTGKTTTGGGG-	
MA0366.1_RGM1	3.9066e-05	CCCCCCCCCTCTCCCC	-----CCCT-----	
MA0342.1_MSN4	4.0964e-05	GGGGAGAGGGGGGGGGGG	-----AGGGG-----	
MA0341.1_MSN2	9.7353e-05	GGGGAGAGGGGGGGGGGG	-----AGGGG-----	
MA0443.1_btd	4.5941e-04	CCCCCCCCCTCTCCCC	YCCGCCMCN-----	
MA0056.1_MZF1_1-4	5.3767e-04	CCCCCCCCCTCTCCCC-	-----TCCCN	
MA0163.1_PLAG1	1.0979e-03	-GGGGAGAGGGGGGGGGGG	GGGGCCNAAGGGGG-----	

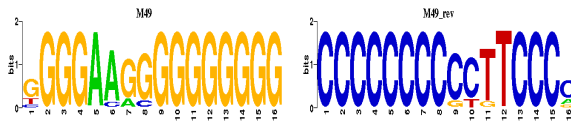
**M41**



*forward*                      *reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0068.1_Pax4	2.5233e-11	-GGGGGGGGGGGAGGAGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTTY	
MA0073.1_RREB1	1.8881e-09	GGGGGGGGGGGAGGAGGGGGGGG --NGKKKGKGGTGKTTTGGGG--	
MA0079.2_SP1	1.2365e-08	CCCCCCCCCTCCTCCCCCCCCCCCC ----CCCCNCCCC-----	
MA0149.1_EWSR1-FLI1	1.4611e-05	CCCCCCCCCTCCTCCCCCCCCCCCC ----CCTTCCTTCCTTCCTTC--	
MA0163.1_PLAG1	1.7081e-05	CCCCCCCCCTCCTCCCCCCCCCCCC ---CCCCCTTNGGCCCC-----	
MA0443.1_btd	2.5003e-05	CCCCCCCCCTCCTCCCCCCCCCCCC -----YCCGCCMCN-----	
MA0366.1_RGM1	1.8603e-04	CCCCCCCCCTCCTCCCCCCCCCCCC ---CCCCT-----	
MA0342.1_MSN4	2.5612e-04	GGGGGGGGGGGAGGAGGGGGGGG -----AGGG-----	
MA0341.1_MSN2	6.2384e-04	GGGGGGGGGGGAGGAGGGGGGGG -----AGGG-----	
MA0456.1_opa	6.5936e-04	--CCCCCCCCCTCCTCCCCCCCCCCCC GMCCCCCGCNG-----	

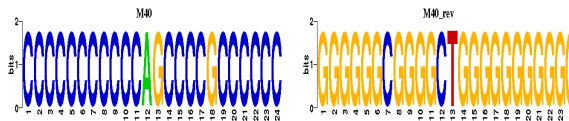
**M49**

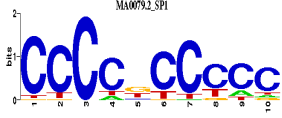
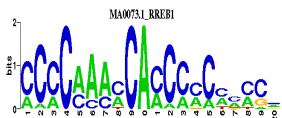


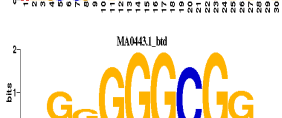

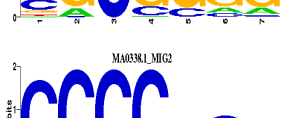







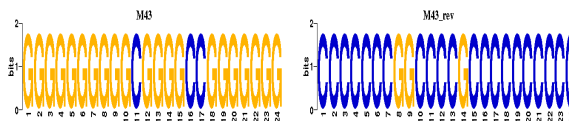
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.1574e-11	GGGGGGGGAGGGGMGGGGCCGGGG ---GGGGNGGGG-----	
MA0068.1_Pax4	2.4249e-09	GGGGGGGGAGGGGMGGGGCCGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTTTYY	
MA0073.1_RREB1	7.9817e-07	--GGGGGGGGAGGGGMGGGGCCGGGG NGKKKGKGGGTGKTTTGGGG-----	
MA0344.1_NHP10	1.4734e-06	-CCCCGGCCCCKCCCCTCCCCCCCC TCCCCGGN-----	
MA0039.2_Klf4	6.9900e-06	CCCCGGCCCCKCCCCTCCCCCCCC -----GCCMCRCNN-----	
MA0366.1_RGM1	9.1437e-05	CCCCGGCCCCKCCCCTCCCCCCCC -----CCCCT-----	
MA0342.1_MSN4	9.5799e-05	GGGGGGGGAGGGGMGGGGCCGGGG -----AGGGG-----	
MA0443.1_btd	1.1076e-04	CCCCGGCCCCKCCCCTCCCCCCCC- -----YCCGCCMCN	
MA0341.1_MSN2	2.2379e-04	GGGGGGGGAGGGGMGGGGCCGGGG -----AGGGG-----	
MA0056.1_MZF1_1-4	1.2180e-03	CCCCGGCCCCKCCCCTCCCCCCCC -----TCCCN---	

**M40**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.6058e-12	GGGGGGCGGGGCTGGGGGGGGGGG -GGGGNGGGG-----	
MA0073.1_RREB1	4.9587e-08	GGGGGGCGGGGCTGGGGGGGGGGG --NGKKKGKGGTGKTTTGGG--	
MA0039.2_Klf4	2.4830e-07	CCCCCCCCCAGCCCCGCCCCC -----GCCMCRCN--	
MA0068.1_Pax4	2.8962e-07	GGGGGGCGGGGCTGGGGGGGGGGG----- --GKRNNNNKNNNNNNNNNNKNNWWWTWTY	
MA0443.1_btd	8.2371e-07	CCCCCCCCCAGCCCCGCCCCC -----YCCGCCMCN	
MA0399.1_SUT1	1.4445e-04	CCCCCCCCCAGCCCCGCCCCC -----CCCCGCG----	
MA0338.1_MIG2	1.9914e-04	GGGGGGCGGGGCTGGGGGGGGGGG ---NGYGGGG-----	
MA0163.1_PLAG1	2.3736e-04	GGGGGGCGGGGCTGGGGGGGGGGG -----GGGGCCNAAGGGG---	
MA0373.1_RPN4	2.4675e-04	CCCCCCCCCAGCCCCGCCCCC -----CGCCACC-	
MA0339.1_MIG3	2.6791e-04	GGGGGGCGGGGCTGGGGGGGGGGG ---NGYGGGG-----	

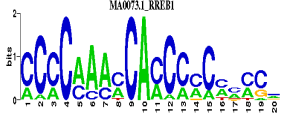
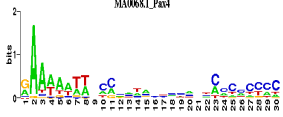
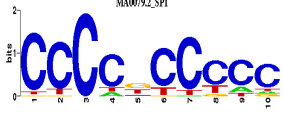
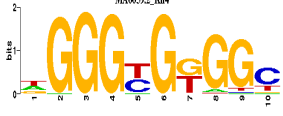





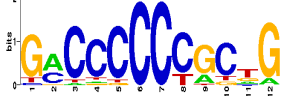
**M43**



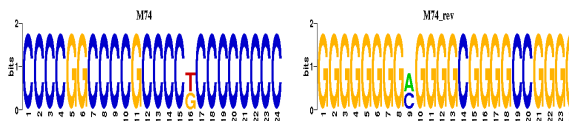




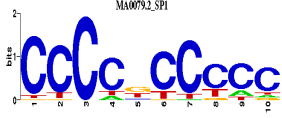

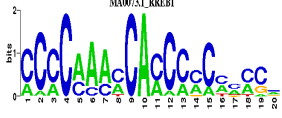

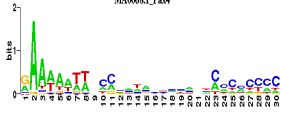
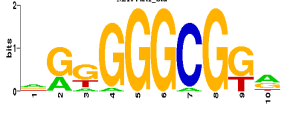




*forward*                      *reverse compliment*

Name	E value	Alignment	Motif
MA0073.1_RREB1	3.1086e-15	GGGGGGGGTGGGGGTGGGGGGGGG ----NGKKKGKGGGTGKTTTGGGG	
MA0068.1_Pax4	7.4568e-10	GGGGGGGGTGGGGGTGGGGGGGGG----- ----GKRNNNNKNNNNNNNNNNKNNWWWTTWTTY	
MA0079.2_SP1	1.4839e-07	CCCCCCCCACCCCCACCCCCCCC ----CCCNCCCC-----	
MA0039.2_Klf4	4.4242e-05	CCCCCCCCACCCCCACCCCCCCC ----GCCMCRCN-----	
MA0436.1_YPR022C	6.3182e-05	GGGGGGGGTGGGGGTGGGGGGGGG ----NGTGGGG-----	
MA0268.1_ADR1	1.9774e-04	GGGGGGGGTGGGGGTGGGGGGGGG -----KTGGGN-----	
MA0373.1_RPN4	5.4283e-04	GGGGGGGGTGGGGGTGGGGGGGGG ----GTTGGCG-----	
MA0450.1_hkb	5.5168e-04	CCCCCCCCACCCCCACCCCCCCC -----TCACGCCM--	
MA0079.1_SP1	1.0600e-03	CCCCCCCCACCCCCACCCCCCCC- -----ACCNGCCNN	
MA0456.1_opa	1.2723e-03	GGGGGGGGTGGGGGTGGGGGGGGG -----CNGCGGGGGKC-	

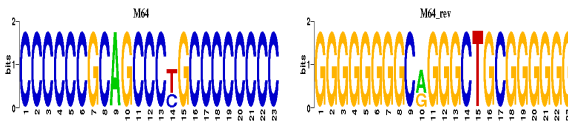
**M74**



*forward*                      *reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	8.8596e-14	GGGGGGGMGGGGCGGGGCCGGGG ---GGGGNGGGG-----	
MA0039.2_Klf4	2.4830e-07	CCCCGGCCCCGCCCKCCCCCCC -----GCCMCRCCN-----	
MA0073.1_RREB1	3.8494e-07	--GGGGGGGMGGGGCGGGGCCGGGG NGKKKGKGGGTGKTTTGGG-----	
MA0344.1_NHP10	1.4734e-06	-CCCCGGCCCCGCCCKCCCCCCC TCCCCGN-----	
MA0068.1_Pax4	5.6066e-06	GGGGGGGMGGGGCGGGGCCGGGG----- GKRNNNNKNNNNNNNNNNKNNWWWTWT Y	
MA0443.1_btd	9.5902e-06	CCCCGGCCCCGCCCKCCCCCCC -----YCCGCCMCN--	
MA0399.1_SUT1	1.4445e-04	CCCCGGCCCCGCCCKCCCCCCC -----CCCCGCG-----	
MA0338.1_MIG2	1.9914e-04	GGGGGGGMGGGGCGGGGCCGGGG -----NGYGGGG-----	
MA0339.1_MIG3	2.6791e-04	GGGGGGGMGGGGCGGGGCCGGGG -----NGYGGGG-----	
MA0450.1_hkb	3.3338e-04	CCCCGGCCCCGCCCKCCCCCCC -----TCACGCCM-----	

**M64**

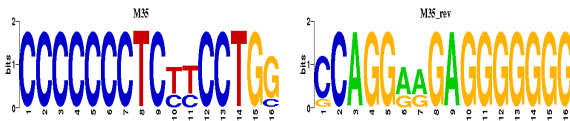




*forward*                      *reverse compliment*

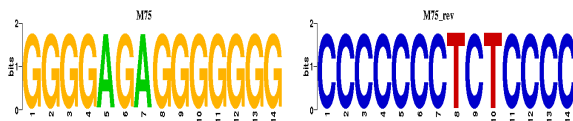
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	8.4344e-08	CCCCCCGCCGCGCCGCGCCGCCC ---CCCNCCCC-----	
MA0456.1_opa	1.2223e-06	GGGGCGCGGCGGCGGCGGGGGG-- -----CNGCGGGGGGKC	
MA0123.1_abi4	3.2361e-06	-GGGGCGCGGCGGCGGCGGGGGG NGNNGCRSCG-----	
MA0399.1_SUT1	1.4445e-04	CCCCCCGCCGCGCCGCGCCGCCC ---CCCGCG-----	
MA0338.1_MIG2	1.9914e-04	GGGGCGCGGCGGCGGCGGGGGG -----NGYGGG-----	
MA0339.1_MIG3	2.6791e-04	GGGGCGCGGCGGCGGCGGGGGG -----NGYGGG-----	
MA0290.1_DAL81	3.0916e-04	---CCCCCGCCGCGCCGCGCCCC AATCCCGCCGCGCTTT-----	
MA0443.1_btd	5.1164e-04	CCCCCGCCGCGCCGCGCCGCC-- -----YCCGCCMCN	
MA0283.1_CHA4	6.5783e-04	CCCCCGCCGCGCCGCGCCGCC --NCTCGCC-----	
MA0373.1_RPN4	7.1866e-04	CCCCCGCCGCGCCGCGCCGCC -----CGCCACC-----	

**M35**



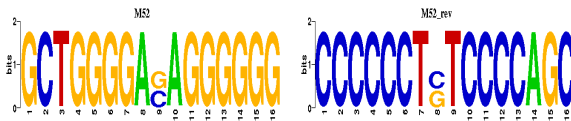
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.4480e-08	CCCCCCTCTTCCTGG ---CCCNCCCC---	
MA0323.1_IXR1	1.5822e-06	--CCAGGAAGAGGGGGGG AARCCGGAAGCGGKG---	
MA0144.1_Stat3	1.7250e-06	CCCCCCTCTTCCTGG-- -----CTTCNGGAA	
MA0062.1_GABPA	5.8843e-06	CCCCCCTCTTCCTGG -----SNCTTCGGT	
MA0366.1_RGM1	3.6566e-05	CCCCCCTCTTCCTGG ---CCCCT-----	
MA0342.1_MS4	3.8326e-05	CCAGGAAGAGGGGGGG -----AGGGG---	
MA0456.1_opa	4.1220e-05	CCAGGAAGAGGGGGGG-- ----CNGCGGGGGGKC	
MA0156.1_FEV	6.9237e-05	CCCCCCTCTTCCTGG -----AYTTCCTG-	
MA0080.2_SPI1	8.2175e-05	CCCCCCTCTTCCTGG -----ACTTCCT--	
MA0026.1_Eip74EF	8.2880e-05	CCAGGAAGAGGGGGGG -CCGAAR-----	

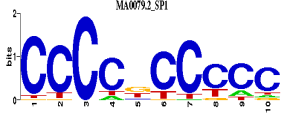

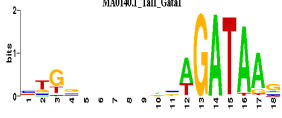




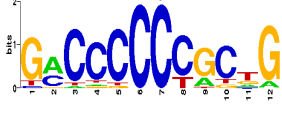

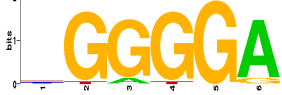
M75



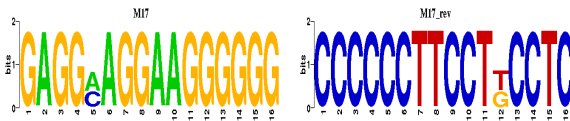
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.2704e-08	CCCCCCTCTCCCC ---CCCNCCCCC-	
MA0456.1_opa	3.4363e-06	GGGGAGAGGGGGGG- ---CNGCGGGGGGKC	
MA0068.1_Pax4	4.8335e-06	--GGGGAGAGGGGGGG----- GKRNNNNKNNNNNNNNNNKNNWWWTWT TY	
MA0366.1_RGM1	2.2577e-05	CCCCCCTCTCCCC ---CCCCT-----	
MA0342.1_MSN4	2.3691e-05	GGGGAGAGGGGGGG -----AGGGG---	
MA0341.1_MSN2	5.7130e-05	GGGGAGAGGGGGGG -----AGGGG---	
MA0163.1_PLAG1	2.5212e-04	-GGGGAGAGGGGGGG GGGGCCNAAGGGGG-	
MA0056.1_MZF1_1-4	2.8452e-04	CCCCCCTCTCCCC- -----TCCCCN	
MA0323.1_IXR1	4.2159e-04	CCCCCCTCTCCCC---- ---CMCCGCTTCCGGYTT	
MA0057.1_MZF1_5-13	4.7531e-04	GGGGAGAGGGGGGG ----NKAGGGGNAN	

**M52**








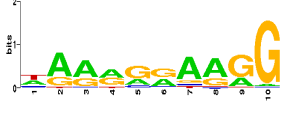

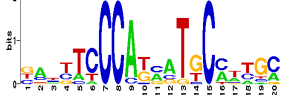


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	6.9090e-07	GCTGGGGASAGGGGGG ----GGGGNNGGGG--	
MA0344.1_NHP10	3.3869e-06	CCCCCTSTCCCCAGC -----TCCCCGN	
MA0140.1_Tal1_Gata1	1.2297e-05	CCCCCTSTCCCCAGC-- NTTATCTNNNNNNNNC	
MA0163.1_PLAG1	1.6900e-05	CCCCCTSTCCCCAGC CCCCCTNGGCCCC--	
MA0366.1_RGM1	3.6566e-05	CCCCCTSTCCCCAGC --CCCT-----	
MA0342.1_MSN4	3.8326e-05	GCTGGGGASAGGGGGG -----AGGGG--	
MA0341.1_MSN2	9.0391e-05	GCTGGGGASAGGGGGG -----AGGGG--	
MA0456.1_opa	2.6429e-04	GCTGGGGASAGGGGGG-- -----CNGCGGGGGK	
MA0364.1_REI1	2.7754e-04	GCTGGGGASAGGGGGG -----NCAGGGG--	
MA0056.1_MZF1_1-4	4.0138e-04	CCCCCTSTCCCCAGC -----TCCCN--	

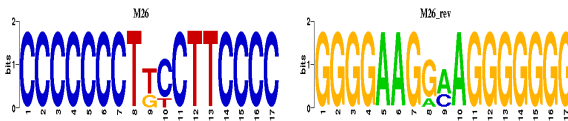
**M17**


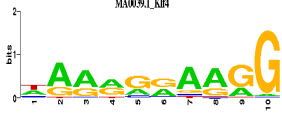






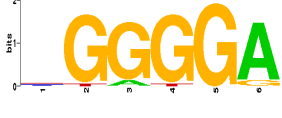
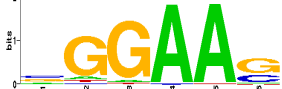




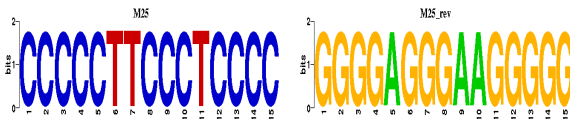
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	1.1424e-13	--GAGGMAGGAAGGGGGG GGAAGGAAGGAAGGAAGG	
MA0323.1_IXR1	4.7248e-09	GAGGMAGGAAGGGGGG -AARCCGGAAGCGGKG	
MA0080.2_SPI1	1.7640e-05	CCCCCCTTCCTKCCTC ----ACTTCCT-----	
MA0366.1_RGM1	3.6566e-05	CCCCCCTTCCTKCCTC --CCCCT-----	
MA0342.1_MSNA	3.8326e-05	GAGGMAGGAAGGGGGG -----AGGGG--	
MA0341.1_MSNA	9.0391e-05	GAGGMAGGAAGGGGGG -----AGGGG--	
MA0156.1_FEV	1.4152e-04	CCCCCCTTCCTKCCTC ----AYTTCCTG----	
MA0039.1_Klf4	2.3904e-04	GAGGMAGGAAGGGGGG --NAARRRAAG-----	
MA0026.1_Eip74EF	2.8984e-04	CCCCCCTTCCTKCCTC ----YTTCCG-----	
MA0088.1_znf143	4.9317e-04	--GAGGMAGGAAGGGGGG-- KCNNKGMANNMTGGANNNN	

M26



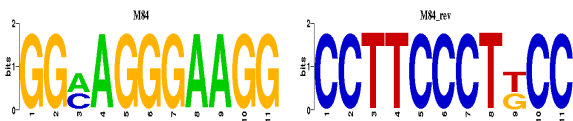
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FL11	1.6702e-10	CCCCCCTTCCTTCCCC-- -CCTTCCTTCCTTCCCTTC	
MA0039.1_Klf4	3.7644e-05	GGGAAGGAAGGGGGGG --NAARRRAAGG-----	
MA0366.1_RGM1	3.9066e-05	CCCCCCTTCCTTCCCC ---CCCCT-----	
MA0342.1_MS4	4.0964e-05	GGGAAGGAAGGGGGGG -----AGGGG---	
MA0080.2_SPI1	6.1650e-05	CCCCCCTTCCTTCCCC ----ACTTCT-----	
MA0323.1_IXR1	7.3377e-05	GGGAAGGAAGGGGGGG -AARCCGGAAGCGKG-	
MA0341.1_MS2	9.7353e-05	GGGAAGGAAGGGGGGG -----AGGGG---	
MA0163.1_PLA1	3.9571e-04	CCCCCCTTCCTTCCCC --CCCCTTNGGCC--	
MA0056.1_MZF1_1-4	5.3767e-04	CCCCCCTTCCTTCCCC- -----TCCCN	
MA0080.1_SPI1	1.0336e-03	CCCCCCTTCCTTCCCC -----STCCN-	

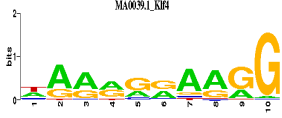
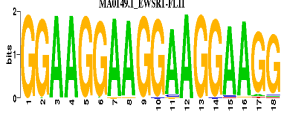
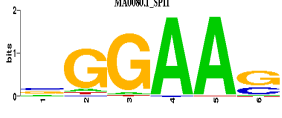
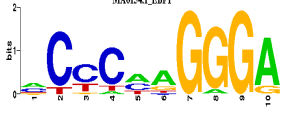
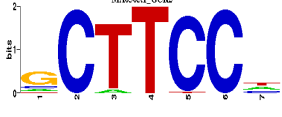


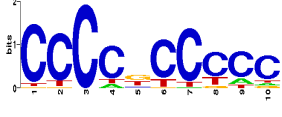


M25



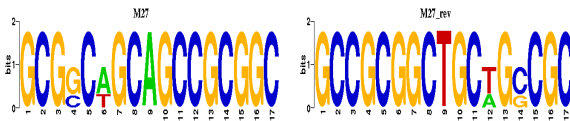
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.6619e-06	-GGGGAGGGAAGGGGG GGGGGNGGGG-----	
MA0149.1_EWSR1-FLI1	3.8887e-06	--GGGGAGGGAAGGGGG- GGAAGGAAGGAAGGAAGG	
MA0163.1_PLAG1	5.0444e-06	CCCCCTTCCCTCCCC CCCCCTTNGGCCCC-	
MA0366.1_RGM1	3.2459e-05	CCCCCTTCCCTCCCC -CCCCT-----	
MA0342.1_MSN4	3.4026e-05	GGGGAGGGAAGGGGG -----AGGGG-	
MA0068.1_Pax4	4.5424e-05	GGGGAGGGAAGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTTY	
MA0039.1_Klf4	7.8828e-05	GGGGAGGGAAGGGGG --NAARRRAAGG---	
MA0341.1_MSN2	8.0472e-05	GGGGAGGGAAGGGGG -----AGGGG-	
MA0450.1_hkb	3.4222e-04	CCCCCTTCCCTCCCC -----TCACGCCM	
MA0056.1_MZF1_1-4	3.7631e-04	CCCCCTTCCCTCCCC- -----TCCCCN	

**M84**



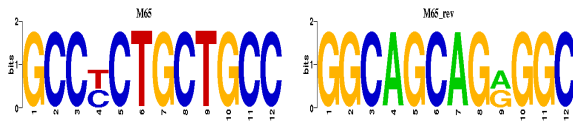
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	5.6485e-07	CCTTCCCTKCC CCTYYTNTN-	
MA0149.1_EWSR1-FLI1	1.7568e-04	---GGMAGGGAAGG--- GGAAGGAAGGAAGGAAGG	
MA0080.1_SPI1	2.4265e-04	CCTTCCCTKCC -STTCN----	
MA0154.1_EBF1	9.6169e-04	CCTTCCCTKCC-- ---TCCCTNGGGN	
MA0305.1_GCR2	1.0716e-03	CCTTCCCTKCC GCTTCN----	
MA0080.2_SPI1	1.1459e-03	CCTTCCCTKCC ACTTCCT----	
MA0026.1_Eip74EF	1.7577e-03	CCTTCCCTKCC -YTCCGG---	
MA0079.2_SPI1	2.2106e-03	---GGMAGGGAAGG GGGGNGGGG----	
MA0304.1_GCR1	4.6015e-03	-CCTTCCCTKCC GGCTTCCA----	
MA0366.1_RGM1	5.5788e-03	GGMAGGGAAGG ---AGGGG---	

M27



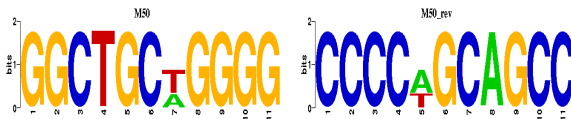
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	6.0875e-06	GCCGCGGCTGCTGCCGC ----CAGCAGYTGCYK-	
MA0048.1_NHLH1	5.4057e-05	GCGGCAGCAGCCGCGGC ----NCGCAGCTGCGN-	
MA0353.1_PDR3	2.1467e-04	GCGGCAGCAGCCGCGGC -----TCCGCGGA	
MA0352.1_PDR1	2.3774e-04	GCGGCAGCAGCCGCGGC -----TCCGCGGN	
MA0394.1_STP1	4.5016e-04	GCGGCAGCAGCCGCGGC -----NMGCCGR--	
MA0290.1_DAL81	8.5872e-04	-----GCCGCGGCTGCTGCCGC AATCCCGCCCGCGGCTTT-----	
MA0344.1_NHP10	1.2867e-03	GCGGCAGCAGCCGCGGC -----TCCCCGN	
MA0213.1_brk	4.4883e-03	-GCGGCAGCAGCCGCGGC RGCGCCRS-----	
MA0399.1_SUT1	7.3033e-03	GCGGCAGCAGCCGCGGC -----CCCCGCG--	
MA0412.1_UME6	8.1406e-03	GCCGCGGCTGCTGCCGC TSGCGGCTAWWT----	

**M65**



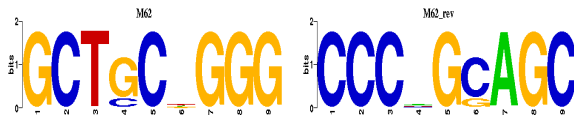
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0456.1_opa	7.9201e-06	GGCAGCAGRGGC-- --CNGCGGGGGGKC	
MA0139.1_CTCF	4.0622e-05	-----GCCYCTGCTGCC-- NNSYGCCMCTRSTGGNNR	
MA0364.1_REI1	7.2204e-05	GGCAGCAGRGGC ----NCAGGGG-	
MA0366.1_RGM1	3.1744e-04	GCCYCTGCTGCC -CCCCT-----	
MA0342.1_MSN4	3.3052e-04	GGCAGCAGRGGC -----AGGGG-	
MA0055.1_Myf	5.5276e-04	-GGCAGCAGRGGC MRGCARCTGCTG-	
MA0341.1_MSN2	6.8942e-04	GGCAGCAGRGGC -----AGGGG-	
MA0344.1_NHP10	2.5997e-03	GGCAGCAGRGGC ----NCCGGGGA	
MA0048.1_NHLH1	2.9323e-03	GCCYCTGCTGCC- -NCGCAGCTGCGN	
MA0287.1_CUP2	3.0190e-03	-GCCYCTGCTGCC CWTTTTYTGCTG--	

**M50**



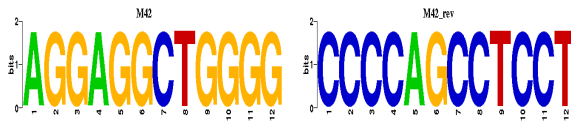
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0402.1_SWI5	7.1103e-05	CCCCAGCAGCC NACCAGCA---	
MA0364.1_REI1	2.5690e-04	GGCTGCTGGGG ----NCAGGGG	
MA0055.1_Myf	3.4769e-04	CCCCAGCAGCC- CAGCAGYTGCYK	
MA0344.1_NHP10	5.8399e-04	GGCTGCTGGGG- ----NCCGGGGA	
MA0456.1_opa	1.1351e-03	---CCCCAGCAGCC GMCCCCCGCNG--	
MA0048.1_NHLH1	1.2355e-03	CCCCAGCAGCC- NCGCAGCTGCGN	
MA0366.1_RGM1	1.4227e-03	CCCCAGCAGCC CCCCT-----	
MA0332.1_MET28	2.1336e-03	CCCCAGCAGCC CCACAG-----	
MA0342.1_MSN4	2.2798e-03	GGCTGCTGGGG -----AGGGG	
MA0454.1_odd	2.3924e-03	-GGCTGCTGGGG NTGCTACTGTN-	

**M62**

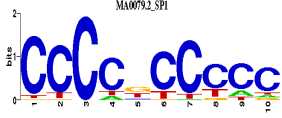


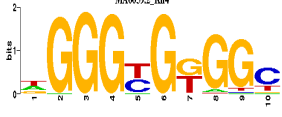



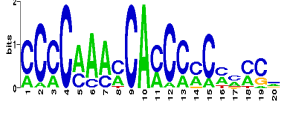




	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0402.1_SWI5	6.7157e-06	-CCCNGCAGC NACCAGCA--	
MA0048.1_NHLH1	5.8413e-05	--GCTGCNNGG-- NCGCAGCTGCGN	
MA0055.1_Myf	8.3386e-05	CCCNGCAGC----- --CAGCAGYTGCK	
MA0454.1_odd	2.4470e-04	--GCTGCNNGG NTGCTACTGTN	
MA0267.1_ACE2	5.3113e-04	GCTGCNNGG --NGCTGGN	
MA0150.1_NFE2L2	2.8367e-03	----CCCNGCAGC RTGACWNAGCA--	
MA0139.1_CTCF	2.9621e-03	--CCCNGCAGC----- YNNCCASYAGGKGGCRSNN	
MA0287.1_CUP2	4.4719e-03	----GCTGCNNGG CWTTTTGTCTG--	
MA0088.1_znf143	5.4076e-03	-----GCTGCNNGG----- KCNNKGMANNMTGGGANNNN	
MA0338.1_MIG2	5.4341e-03	GCTGCNNGG --NGYGGG	

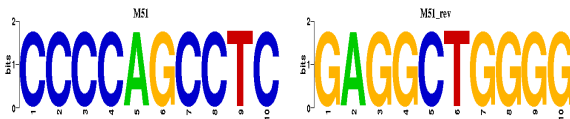
M42

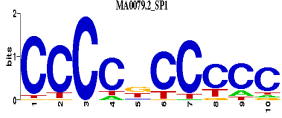




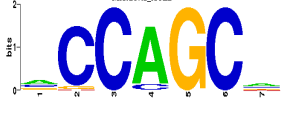



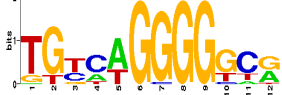




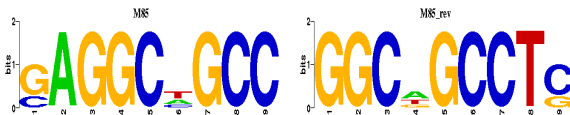
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	7.1222e-07	AGGAGGCTGGGG -GGGGGNGGGG-	
MA0344.1_NHP10	3.2079e-04	AGGAGGCTGGGG- -----NCCGGGGA	
MA0332.1_MET28	1.1280e-03	CCCCAGCCTCCT CCACAG-----	
MA0039.2_Klf4	1.2795e-03	-CCCCAGCCTCCT GCCMCRCCCN---	
MA0267.1_ACE2	1.6178e-03	AGGAGGCTGGGG ----NGCTGGN-	
MA0268.1_ADR1	1.8944e-03	AGGAGGCTGGGG- -----KTGGGGN	
MA0436.1_YPR022C	1.9463e-03	AGGAGGCTGGGG -----NGTGGGG	
MA0073.1_RREB1	2.2925e-03	-----AGGAGGCTGGGG- NGKKKGKGGGTGKTTTGGGG	
MA0079.1_SP1	2.3330e-03	CCCCAGCCTCCT ACCCNGCCNN--	
MA0323.1_IXR1	2.7073e-03	----AGGAGGCTGGGG AARCCGGAAGCGGK-	

M51



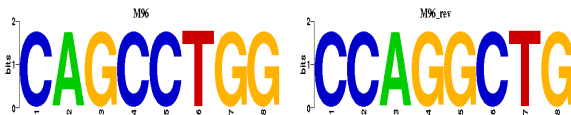
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	4.0056e-05	-GAGGCTGGGG GGGGNNGGGG-	
MA0344.1_NHP10	1.0450e-04	GAGGCTGGGG- ---NCCGGGGA	
MA0039.2_Klf4	3.0507e-04	-CCCCAGCCTC GCCMCRCNN-	
MA0332.1_MET28	5.3056e-04	CCCCAGCCTC CCACAG----	
MA0079.1_SP1	6.1064e-04	CCCCAGCCTC ACCCNGCCNN	
MA0267.1_ACE2	6.9099e-04	GAGGCTGGGG --NGCTGNN-	
MA0268.1_ADR1	8.1934e-04	GAGGCTGGGG- ----KTGGGGN	
MA0436.1_YPR022C	8.4360e-04	GAGGCTGGGG ---NGTGGGG	
MA0402.1_SWI5	2.2346e-03	CCCCAGCCTC NACCAGCA--	
MA0155.1_INSM1	2.8535e-03	---CCCCAGCCTC YGCCCCCTGRCA-	

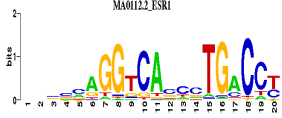
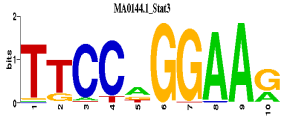
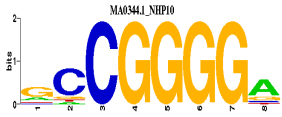
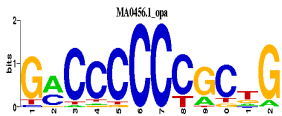

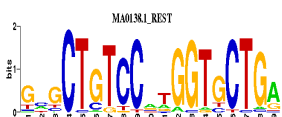




M85



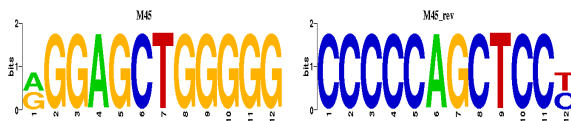
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0304.1_GCR1	2.6449e-04	GAGGCNGCC- --GGCTTCCA	
MA0305.1_GCR2	6.6811e-03	-GGCNGCCTC NGGAAGC---	
MA0112.2_ESR1	1.1863e-02	----GAGGCNGCC----- RGGTCANNNTGACCTNNNNN	
MA0123.1_abi4	1.2810e-02	---GGCNGCCTC NGNNGCRSCG--	
MA0048.1_NHLH1	1.5901e-02	--GAGGCNGCC- NCGCAGCTGCGN	
MA0260.1_che-1	1.9315e-02	GGCNGCCTC -GAARCC--	
MA0271.1_ARG80	2.1050e-02	GAGGCNGCC GNGTCW---	
MA0119.1_TLX1_NFIC	2.3362e-02	----GAGGCNGCC- TTGGCNNNSTGCCA	
MA0340.1_MOT3	2.4356e-02	GGCNGCCTC ---TRCCTN	
MA0055.1_Myf	2.5436e-02	--GAGGCNGCC- CAGCAGYTGCYK	

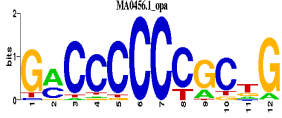
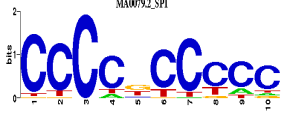








M96



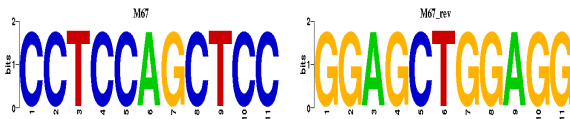
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0112.2_ESR1	6.9771e-04	---CCAGGCTG----- RGGTCANNNTGACCTNNNNN	
MA0144.1_Stat3	1.4888e-03	CAGCCTGG-- CTTCNGGAA	
MA0344.1_NHP10	3.3990e-03	--CCAGGCTG TCCCCGGN--	
MA0456.1_opa	4.2747e-03	----CCAGGCTG GMCCCCCGCNG	
MA0086.1_sna	6.4886e-03	CAGCCTGG -CACCTG-	
MA0138.1_REST	6.6432e-03	----CAGCCTGG----- TCAGCACWNGGACAGCNC	
MA0340.1_MOT3	9.4999e-03	CAGCCTGG -TRCCTN-	
MA0116.1_Zfp423	1.2644e-02	--CAGCCTGG----- GNMMCCYTRGGKKSC	
MA0138.2_REST	1.3531e-02	-----CCAGGCTG----- GNNGCTGTCCNNGGTGCTGAN	
MA0364.1_REI1	2.0384e-02	CCAGGCTG NCAGGG-	

M45



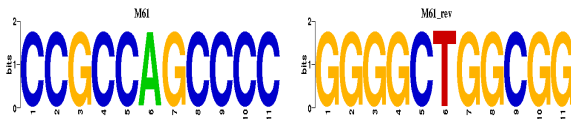
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0456.1_opa	6.4625e-06	RGGAGCTGGGGG-- --CNGCGGGGGGKC	
MA0079.2_SP1	4.4232e-05	RGGAGCTGGGGG GGGGNGGGG--	
MA0055.1_Myf	1.1066e-04	CCCCAGCTCCY- -CAGCAGYTGCK	
MA0323.1_IXR1	1.5186e-04	CCCCAGCTCCY---- --CMCCGCTTCCGGYTT	
MA0344.1_NHP10	3.2079e-04	RGGAGCTGGGGG ----NCCGGGGA	
MA0335.1_MET4	4.1131e-04	CCCCAGCTCCY -CCACAGNT---	
MA0163.1_PLAG1	1.0215e-03	-CCCCAGCTCCY- CCCCCTNNGGCCCC	
MA0332.1_MET28	1.1280e-03	CCCCAGCTCCY -CCACAG-----	
MA0048.1_NHLH1	1.3422e-03	CCCCAGCTCCY- -NCGCAGCTGCGN	
MA0267.1_ACE2	1.6178e-03	RGGAGCTGGGGG ---NGCTGGN--	

**M67**



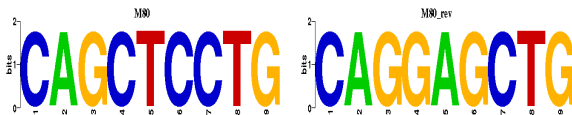
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	9.4928e-05	CCTCCAGCTCC-- -CAGCAGYTGCK	
MA0267.1_ACE2	1.0967e-03	GGAGCTGGAGG --NGCTGGN--	
MA0456.1_opa	1.4029e-03	GGAGCTGGAGG-- -CNGCGGGGGK	
MA0130.1_ZNF354C	3.4826e-03	GGAGCTGGAGG ----GTGGAK-	
MA0402.1_SWI5	4.3852e-03	GGAGCTGGAGG --TGCTGGTN-	
MA0145.1_Tcfcp2l1	6.5134e-03	-----GGAGCTGGAGG CYGGNTNNRNCYGG---	
MA0440.1_ZAP1	8.1261e-03	--GGAGCTGGAGG-- CATNACCTTKARGGT	
MA0048.1_NHLH1	8.7877e-03	--GGAGCTGGAGG NCGCAGCTGCGN-	
MA0138.2_REST	1.2285e-02	GGAGCTGGAGG----- GNNCTGTCCNNGGTGCTGAN	
MA0354.1_PDR8	1.6595e-02	CCTCCAGCTCC-- -----ATCTCCGN	

**M61**



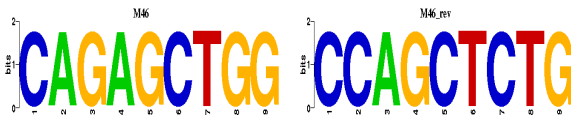
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0373.1_RPN4	3.5692e-05	CCGCCAGCCCC -CGCCACC---	
MA0079.2_SP1	1.0822e-04	-GGGGCTGGCGG GGGGGNGGGG--	
MA0290.1_DAL81	3.3897e-04	----CCGCCAGCCCC---- AATCCCGCCCCGCGGCTTTT	
MA0213.1_brk	4.8786e-04	-CCGCCAGCCCC RGCCCR-----	
MA0267.1_ACE2	1.0967e-03	GGGGCTGGCGG --NGCTGGN--	
MA0443.1_btd	1.8307e-03	--GGGGCTGGCGG NGKGGGCGGR---	
MA0039.2_Klf4	4.0026e-03	CCGCCAGCCCC- --GCCMCRCCCN	
MA0402.1_SWI5	4.3852e-03	GGGGCTGGCGG --TGCTGGTN-	
MA0283.1_CHA4	5.1150e-03	---CCGCCAGCCCC NCTCCGCC-----	
MA0341.1_MSN2	5.5788e-03	-GGGGCTGGCGG AGGGG-----	

M80



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	2.3372e-06	---CAGCTCCTG MRGCARCTGCTG	
MA0086.1_sna	3.4104e-04	CAGCTCCTG ---CACCTG	
MA0454.1_odd	6.6303e-04	CAGCTCCTG-- NTGCTACTGTN	
MA0138.2_REST	9.5933e-04	CAGGAGCTG----- --GNNCTGTCCNNGGTGCTGAN	
MA0048.1_NHLH1	1.0812e-03	CAGGAGCTG--- NCGCAGCTGCGN	
MA0156.1_FEV	1.5091e-03	CAGCTCCTG -AYTTCCTG	
MA0364.1_REI1	2.3993e-03	-CAGGAGCTG NCAGGGG---	
MA0323.1_IXR1	2.7075e-03	--CAGCTCCTG---- CMCCGCTTCCGGYTT	
MA0354.1_PDR8	6.7987e-03	CAGCTCCTG -ATCTCCGN	
MA0138.1_REST	7.3938e-03	-----CAGGAGCTG- GNGCTGTCCNWGGTGCTGA	

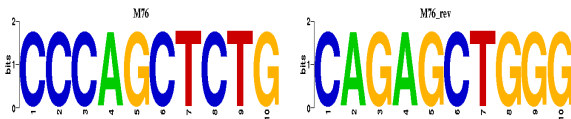
M46





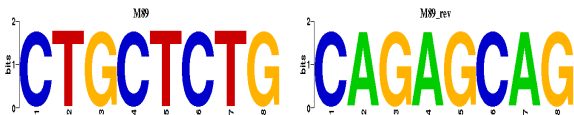
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0267.1_ACE2	3.9729e-04	CAGAGCTGG-- ---NGCTGGN	
MA0145.1_Tcfcp211	7.0301e-04	-----CAGAGCTGG CYGGNTNNRNCYGG	
MA0402.1_SWI5	1.5039e-03	CAGAGCTGG-- ---TGCTGGTN	
MA0276.1_ASH1	5.2497e-03	CCAGCTCTG-- CCYGATNYGG	
MA0048.1_NHLH1	6.8997e-03	--CCAGCTCTG-- NCGCAGCTGCGN	
MA0335.1_MET4	8.5952e-03	-CAGAGCTGG CCACAGNT--	
MA0389.1_SRD1	8.6374e-03	CCAGCTCTG-- --AGATCTNN	
MA0009.1_T	1.3842e-02	CCAGCTCTG-- CTAGGTGTGAA	
MA0121.1_ARR10	1.8286e-02	CCAGCTCTG NMRNATCT-	
MA0053.1_MNB1A	1.9942e-02	CCAGCTCTG ---NCTTT-	




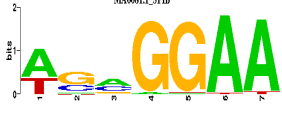
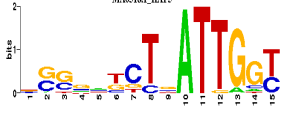


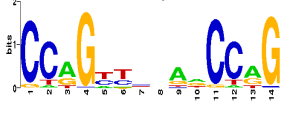


M76



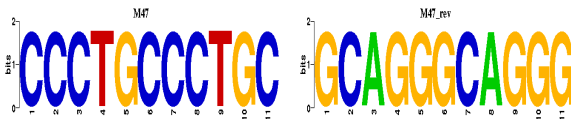
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0267.1_ACE2	6.9099e-04	CAGAGCTGGG ---NGCTGGN	
MA0048.1_NHLH1	1.7298e-03	-CCCAGCTCTG- NCGCAGCTGCGN	
MA0456.1_opa	1.9569e-03	CAGAGCTGGG-- CNGCGGGGGGKC	
MA0402.1_SWI5	2.2346e-03	-CCCAGCTCTG NACCAGCA---	
MA0145.1_Tcfcp211	2.4209e-03	-----CAGAGCTGGG CYGGNTNNRNCYGG-	
MA0083.1_SRF	3.3195e-03	-CAGAGCTGGG- CCATATATGGGC	
MA0338.1_MIG2	9.2422e-03	CAGAGCTGGG ---NGYGGGG	
MA0276.1_ASH1	1.0616e-02	CCCAGCTCTG- -CCYGATNYGG	
MA0079.2_SP1	1.1140e-02	CAGAGCTGGG GGGGGNGGGG	
MA0339.1_MIG3	1.1308e-02	CAGAGCTGGG ---NGYGGGG	

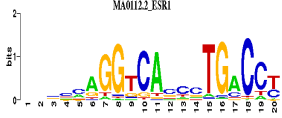
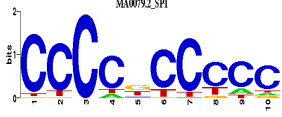
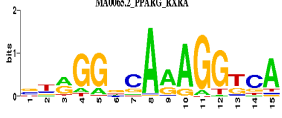
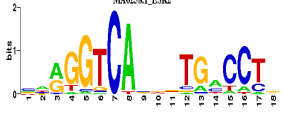



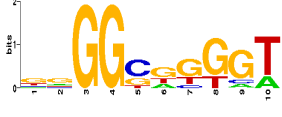

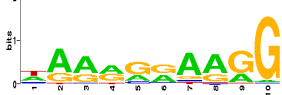
M89



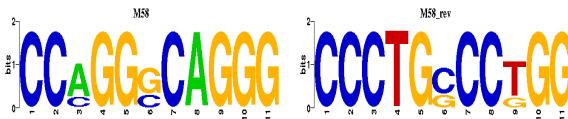
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0451.1_kni	1.0701e-04	CTGCTCTG---- NIGCTCTANTTT	
MA0326.1_MAC1	6.2017e-04	-CTGCTCTG TTTGCTCR-	
MA0276.1_ASH1	3.9871e-03	-CAGAGCAG- CCRNATCRGG	
MA0081.1_SPIB	9.9103e-03	CTGCTCTG TTCCKST-	
MA0316.1_HAP5	1.3276e-02	-----CAGAGCAG- ACCAATNAGMNNSSN	
MA0053.1_MNB1A	1.3536e-02	CTGCTCTG --NCTTT-	
MA0064.1_PBF	1.7355e-02	CTGCTCTG --RCTTT-	
MA0145.1_Tcfcp211	2.0332e-02	CTGCTCTG----- CYGNTNNRNCYGG	
MA0454.1_odd	2.5019e-02	CTGCTCTG--- NTGCTACTGTN	
MA0332.1_MET28	2.5950e-02	-CAGAGCAG CCACAG---	

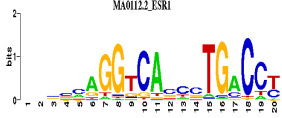
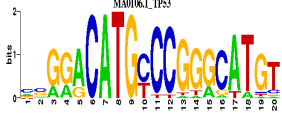
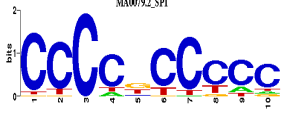

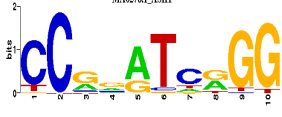
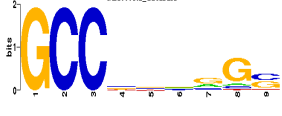

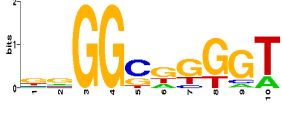
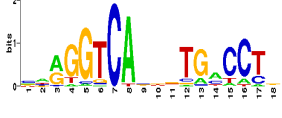
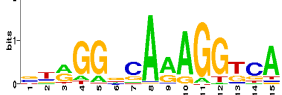
M47



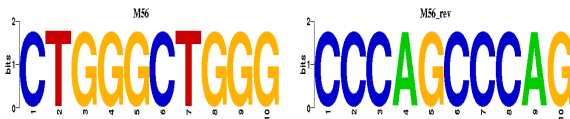
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0112.2_ESR1	2.0906e-05	GCAGGGCAGGG----- --RGGTCANNNTGACCTNNNNN	
MA0079.2_SP1	9.5401e-05	GCAGGGCAGGG -GGGGNGGGG	
MA0065.2_PPARG_RXRA	1.0524e-03	----CCCTGCCCTGC TGMCCTTTGNCCYNN	
MA0258.1_ESR2	1.0632e-03	-----CCCTGCCCTGC NAGGNCANNNTGACCYNN	
MA0364.1_REI1	1.0709e-03	GCAGGGCAGGG NCAGGGG----	
MA0344.1_NHP10	1.1411e-03	GCAGGGCAGGG NCCGGGGA---	
MA0039.2_Klf4	1.2963e-03	-CCCTGCCCTGC GCCMCRCCCN--	
MA0079.1_SP1	1.3347e-03	-CCCTGCCCTGC ACCCNGCCNN--	
MA0366.1_RGM1	5.5788e-03	-GCAGGGCAGGG A--AGGGG----	
MA0039.1_Klf4	5.9309e-03	CCCTGCCCTGC -CCTTYYTNN	

M58



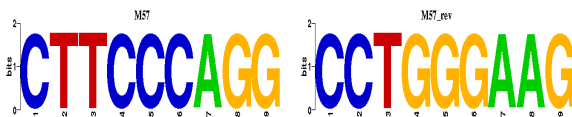
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0112.2_ESR1	1.4442e-04	CCAGGGCAGGG----- --RGGTCANNNTGACCTNNNNN	
MA0106.1_TP53	2.1319e-04	----CCCTGCCCTGG----- NNGGACATGCCCGGGCATGT	
MA0079.2_SP1	2.3161e-04	CCAGGGCAGGG -GGGGNGGGG	
MA0364.1_REI1	1.0709e-03	CCAGGGCAGGG- -----NCAGGGG	
MA0276.1_ASH1	1.3823e-03	CCCTGCCCTGG -CCYGATNYGG	
MA0003.1_TFAP2A	1.9327e-03	--CCAGGGCAGGG SCNNNNGGC----	
MA0039.2_Klf4	2.3236e-03	-CCCTGCCCTGG GCCMCRCCCN--	
MA0079.1_SP1	2.4123e-03	-CCCTGCCCTGG ACCCNGCCNN--	
MA0258.1_ESR2	3.9158e-03	CCAGGGCAGGG----- NNRGGTCANNNTGNCCTN	
MA0065.2_PPARG_RXRA	5.0101e-03	----CCCTGCCCTGG TGMCTTTGNCCYNN	


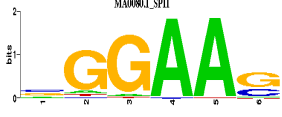

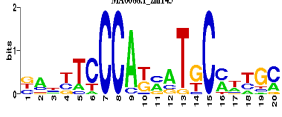
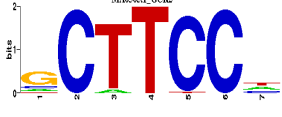

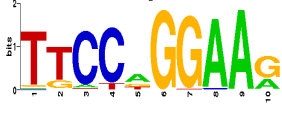



M56



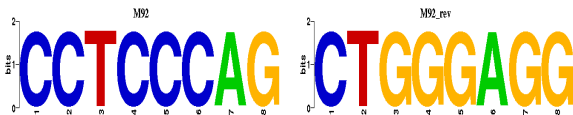
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.5095e-05	CTGGGCTGGG GGGGNNGGGG	
MA0039.2_Klf4	5.8115e-04	-CCCAGCCCAG GCCMCRCCCN-	
MA0079.1_SP1	6.1064e-04	-CCCAGCCCAG ACCCNGCCNN-	
MA0267.1_ACE2	6.9099e-04	CTGGGCTGGG ---NGCTGGN	
MA0320.1_IME1	1.4124e-03	CTGGGCTGGG CTCGGCGG--	
MA0145.1_Tcfcp2l1	1.5121e-03	-----CTGGGCTGGG CYGGNTNNRNCYGG-	
MA0402.1_SWI5	2.2346e-03	-CCCAGCCCAG NACCAGCA---	
MA0368.1_RIM101	3.4116e-03	CTGGGCTGGG CTTGCR---	
MA0073.1_RREB1	4.2091e-03	-----CTGGGCTGGG- NGKKKGKGGGTGKTTTGGGG	
MA0338.1_MIG2	9.2422e-03	CTGGGCTGGG ---NGYGGGG	


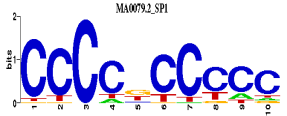
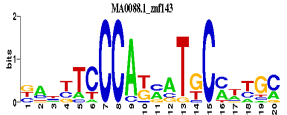







M57



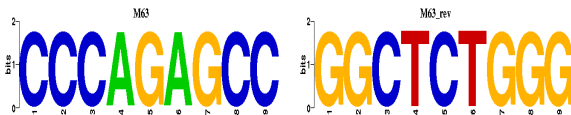
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	4.4558e-05	CTTCCCAGG-- --TCCCCGGN	
MA0080.1_SPI1	9.1317e-05	CTTCCCAGG STTCN---	
MA0282.1_CEP3	1.2855e-04	CCTGGGAAG -YTCGGAAN	
MA0088.1_znf143	3.6127e-04	-----CCTGGGAAG-- KCNNKGMANNMTGGGANNNN	
MA0305.1_GCR2	3.8743e-04	-CTTCCCAGG GCTTCN---	
MA0080.2_SPI1	4.1676e-04	-CTTCCCAGG ACTTCCT---	
MA0144.1_Stat3	4.6926e-04	CTTCCCAGG- CTTCNGGAA	
MA0026.1_Eip74EF	6.6418e-04	CTTCCCAGG YTTCCG--	
MA0321.1_INO2	7.7116e-04	CTTCCCAGG- -TTCACATGC	
MA0322.1_INO4	8.3735e-04	CTTCCCAGG- -TTCACATGC	

M92




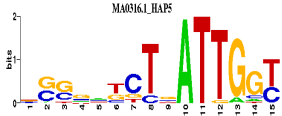
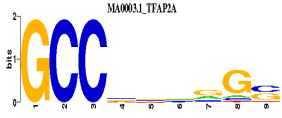

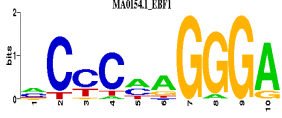

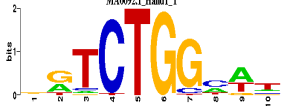


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0320.1_IME1	1.8191e-04	CCTCCCAG CCGCCGAG	
MA0079.2_SP1	4.6853e-04	--CCTCCCAG CCCCNCCCC	
MA0088.1_znf143	1.2344e-03	-----CTGGGAGG-- KCNNKGMANNMTGGGANNNN	
MA0162.1_Egr1	1.5117e-03	CCTCCCAG--- MCGCCACGCN	
MA0344.1_NHP10	3.3049e-03	CCTCCCAG-- --TCCCCGN	
MA0432.1_YNR063W	3.4284e-03	-CCTCCCAG ATCTCCGA-	
MA0304.1_GCR1	4.5351e-03	-CCTCCCAG GGCTTCCA-	
MA0056.1_MZF1_1-4	6.7345e-03	CCTCCCAG --TCCCCN	
MA0282.1_CEP3	7.2147e-03	CTGGGAGG YTCGGAAN	
MA0193.1_Lag1	7.9308e-03	CCTCCCAG -CYACCA	

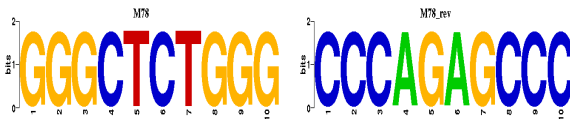
**M63**







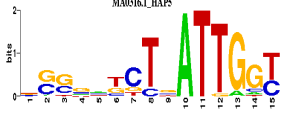
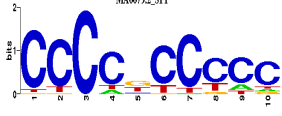


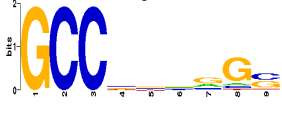


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	3.2861e-04	CCCAGAGCC -CCACAG--	
MA0451.1_kni	1.4422e-03	--CCCAGAGCC-- AAANTAGAGCAN	
MA0278.1_BAS1	1.6687e-03	-----CCCAGAGCC----- NNNNRGCCNGAGTCARNWNNN	
MA0362.1_RDS2	2.3363e-03	GGCTCTGGG --NTCGGGG	
MA0316.1_HAP5	2.5247e-03	----CCCAGAGCC-- ACCAATNAGMNNSSN	
MA0003.1_TFAP2A	2.6155e-03	-CCCAGAGCC SCNNNNGGC-	
MA0163.1_PLAG1	5.4631e-03	---CCCAGAGCC-- CCCCCTTNGGCCCC	
MA0154.1_EBF1	7.3654e-03	GGCTCTGGG-- -TCCCTNNGGN	
MA0335.1_MET4	7.4877e-03	CCCAGAGCC -CCACAGNT	
MA0092.1_Hand1_T	7.6330e-03	--CCCAGAGCC NWNCCAGAYN-	

M78

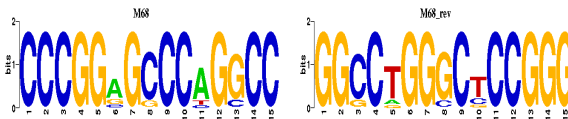


*forward*

*reverse compliment*

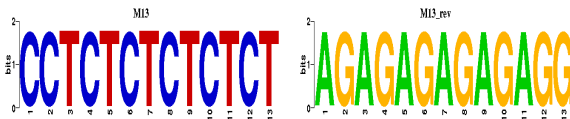
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0163.1_PLAG1	2.6019e-04	---CCCAGAGCCC- CCCCCTTNGGCCCC	
MA0332.1_MET28	5.3056e-04	CCCAGAGCCC -CCACAG---	
MA0316.1_HAP5	5.6104e-04	----CCCAGAGCCC- ACCAATNAGMNSSN	
MA0079.2_SP1	2.2206e-03	GGGCTCTGGG GGGGNGGGG	
MA0362.1_RDS2	3.7400e-03	GGGCTCTGGG ---NTCGGG	
MA0451.1_kni	4.0154e-03	--CCCAGAGCCC AAANTAGAGCAN	
MA0003.1_TFAP2A	5.1242e-03	-CCCAGAGCCC SCNNNNGGC--	
MA0278.1_BAS1	6.1528e-03	-----CCCAGAGCCC----- NNNNRGCCNGAGTCARNWNNN	
MA0123.1_abi4	1.2167e-02	--GGGCTCTGGG NGNNGCRSCG--	
MA0335.1_MET4	1.2274e-02	CCCAGAGCCC -CCACAGNT-	

**M68**



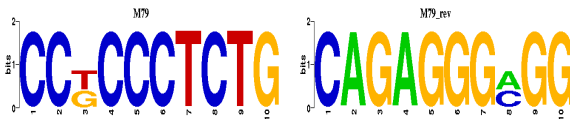
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0280.1_CAT8	3.4592e-04	GGCCTGGGCTCCGGG -----NTCCGG-	
MA0146.1_Zfx	3.5119e-04	CCCGGAGCCCAGGCC-- ---NNGGCCNNGGCCTN	
MA0275.1_AS G1	4.7814e-04	CCCGGAGCCCAGGCC -CCGAW-----	
MA0003.1_TFAP2A	6.0558e-04	GGCCTGGGCTCCGGG- -----SCNNNNGGC	
MA0163.1_PLA G1	6.6759e-04	--GGCCTGGGCTCCGGG CCCCCTTNGGCCCC---	
MA0344.1_NHP10	8.4095e-04	CCCGGAGCCCAGGCC -----TCCCCGN-	
MA0162.1_Egr1	1.1933e-03	CCCGGAGCCCAGGCC ----MCGCCCACGCN	
MA0404.1_TBS1	1.2866e-03	CCCGGAGCCCAGGCC --CGNTCCG-----	
MA0213.1_brk	2.6745e-03	CCCGGAGCCCAGGCC -SYGGCGCY-----	
MA0380.1_SIP4	3.8568e-03	GGCCTGGGCTCCGGG- -----YCCGGAN	

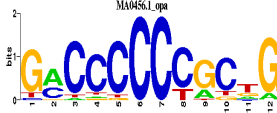
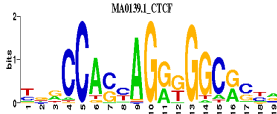
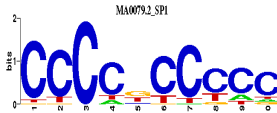
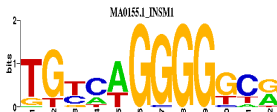






**M13**



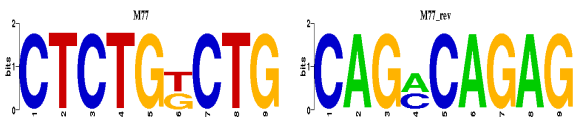
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	4.7331e-03	AGAGAGAGAGAGG ---NAARRRAAGG	
MA0079.2_SP1	1.0212e-02	CCTCTCTCTCTCT CCCCNCCCC---	
MA0081.1_SPIB	1.4696e-02	--CCTCTCTCTCTCT TTCKST-----	
MA0159.1_RXR_RAR_DR5	1.8125e-02	---CCTCTCTCTCTCT- TGACCTNYNNNTGAMCY	
MA0051.1_IRF2	2.8068e-02	AGAGAGAGAGAGG----- SGAAAGYGAAASYNWWNN	
MA0050.1_IRF1	3.1479e-02	CCTCTCTCTCTCT GGTTTCRNTTTN-	
MA0140.1_Tal1_Gata1	3.3966e-02	-----AGAGAGAGAGAGG NNGNNNNNNNNAGATAAN	
MA0277.1_AZF1	3.5733e-02	AGAGAGAGAGAGG AAAAGAAA-----	
MA0366.1_RGM1	3.7762e-02	AGAGAGAGAGAGG -----AGGGG	
MA0342.1_MSN4	3.8685e-02	CCTCTCTCTCTCT CCCCT-----	


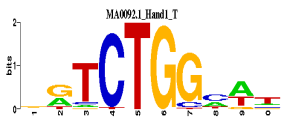



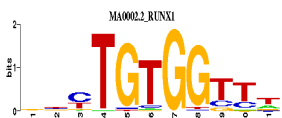

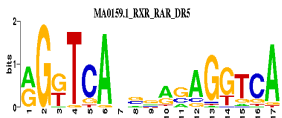

M79



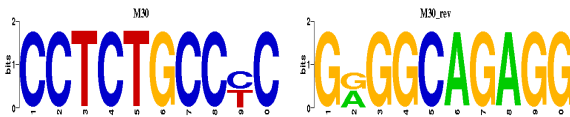
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0456.1_opa	6.0193e-06	CAGAGGGMGG-- CNGCGGGGGGK	
MA0139.1_CTCF	6.4084e-06	--CCKCCCTCTG----- NNSYGCCMCCTRSTGGNNR	
MA0079.2_SP1	7.4512e-06	--CCKCCCTCTG CCCCNCCCC--	
MA0155.1_INSM1	5.0451e-05	CCKCCCTCTG--- -YGCCCCCTGRCA	
MA0290.1_DAL81	1.2736e-04	---CCKCCCTCTG----- AATCCCGCCCGCGGCTTTT	
MA0443.1_btd	1.8688e-04	-CCKCCCTCTG YCCGCCMCN-	
MA0081.1_SPIB	1.7994e-03	CCKCCCTCTG --TTCKST-	
MA0162.1_Egr1	2.3087e-03	CCKCCCTCTG- MCGCCACGCN	
MA0159.1_RXR_RAR_DR5	3.0005e-03	---CCKCCCTCTG----- TGACCTNYYNNNTGAMCY	
MA0039.1_Klf4	3.2801e-03	CAGAGGGMGG NAARRRAAGG	

M77



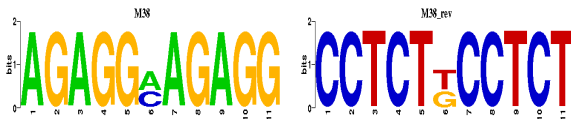
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	4.1397e-04	CTCTGKCTG --CTGTCA-	
MA0092.1_Hand1_T	7.4621e-04	CAGMCAGAG- NWNCCAGAYN	
MA0227.1_hth	8.4051e-04	CTCTGKCTG --CTGTCA-	
MA0278.1_BAS1	4.1706e-03	-----CTCTGKCTG--- NNNWNVTGACTCNGGCYNNNN	
MA0332.1_MET28	4.9719e-03	CAGMCAGAG ---CCACAG	
MA0442.1_SOX10	9.7103e-03	CAGMCAGAG ---ACAAG	
MA0002.2_RUNX1	1.7675e-02	CAGMCAGAG-- NAACCACARNN	
MA0334.1_MET32	1.9206e-02	CTCTGKCTG -TGTGGCN-	
MA0159.1_RXR_RAR_DR5	2.3241e-02	----CTCTGKCTG---- TGACCTNYNNNTGAMCY	
MA0062.1_GABPA	2.5992e-02	CTCTGKCTG- SNCTTCCGGT	







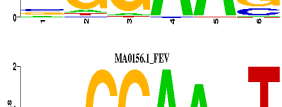

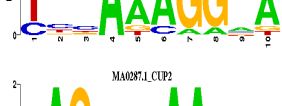

**M30**



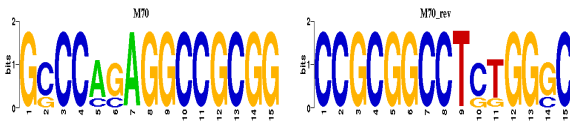
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.2_PPARG_RXRA	6.8647e-09	---CCTCTGCCYC-- TGMCCTTTGNCCYNN	
MA0079.2_SP1	4.6105e-05	GRGGCAGAGG GGGGGNGGGG	
MA0123.1_abi4	9.8734e-05	-GRGGCAGAGG NGNNGCRSCG-	
MA0283.1_CHA4	2.2440e-04	CCTCTGCCYC NCTCCGCC--	
MA0140.1_Tal1_Gata1	2.2832e-04	--CCTCTGCCYC----- NTTATCTNNNNNNNNC	
MA0017.1_NR2F1	3.1477e-04	-GRGGCAGAGG--- NNGKNCAAAGKTC	
MA0443.1_btd	3.3461e-04	CCTCTGCCYC-- --YCCGCCMCN	
MA0114.1_HNF4A	3.9927e-04	GRGGCAGAGG--- RGNNCAAAGKNCA	
MA0065.1_PPARG_RXRA	4.8820e-04	-----CCTCTGCCYC----- NNNTGACCTTTGACCYC	
MA0299.1_GAL4	2.9975e-03	----CCTCTGCCYC- GANNRNTNTNNCCG	

M38



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	6.0498e-07	CCTCTKCCTCT ----TTCKST	
MA0062.1_GABPA	2.2285e-06	CCTCTKCCTCT -SNCTTCCGGT	
MA0080.2_SPI1	2.9761e-05	CCTCTKCCTCT --ACTTCCT--	
MA0065.2_PPARG_RXRA	3.9002e-04	-AGAGGMAGAGG--- NNRGGNCAAAGGKCA	
MA0039.1_Klf4	1.0507e-03	-AGAGGMAGAGG NAARRRAAGG--	
MA0080.1_SPI1	1.6280e-03	CCTCTKCCTCT ---STTCN--	
MA0156.1_FEV	3.0365e-03	CCTCTKCCTCT --AYTTCCTG-	
MA0370.1_RME1	3.9397e-03	CCTCTKCCTCT--- ----TNCCTTNNNA	
MA0287.1_CUP2	4.2181e-03	-AGAGGMAGAGG CAGCARAAAWG-	
MA0283.1_CHA4	4.2720e-03	CCTCTKCCTCT NCTCCGCC---	

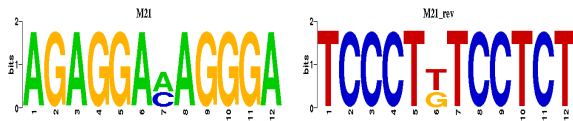
**M70**





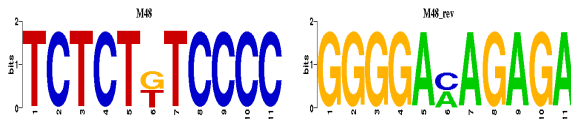
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0146.1_Zfx	9.6297e-05	GCCCAGAGGCCGCGG---- -----NAGGCCNNGGCNNN	
MA0353.1_PDR3	1.3298e-04	GCCCAGAGGCCGCGG-- -----TCCGCGGA	
MA0352.1_PDR1	1.4770e-04	GCCCAGAGGCCGCGG-- -----TCCGCGGN	
MA0290.1_DAL81	2.4504e-04	-----CCGCGGCCTCTGGGC AATCCCGCCCGCGGCTTTT----	
MA0332.1_MET28	4.5072e-04	GCCCAGAGGCCGCGG --CCACAG-----	
MA0344.1_NHP10	8.4150e-04	-CCGCGGCCTCTGGGC TCCCCGN-----	
MA0139.1_CTCF	1.6303e-03	----GCCAGAGGCCGCGG YNNCCASYAGGKGGCRSNN	
MA0394.1_STP1	1.8951e-03	GCCCAGAGGCCGCGG -----NMGCCGCR--	
MA0114.1_HNF4A	2.6540e-03	CCGCGGCCTCTGGGC-- ---TGNMCTTTGNNCY	
MA0361.1_RDS1	3.7021e-03	GCCCAGAGGCCGCGG -----NCGGCCG----	

**M21**



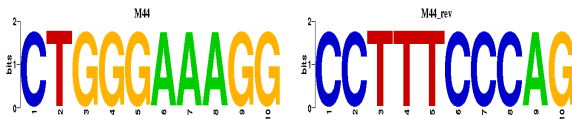
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	8.1183e-07	TCCCTKTCCTCT -----TTCKST	
MA0039.1_Klf4	2.2706e-04	TCCCTKTCCTCT --CCTTYYYTTN	
MA0079.2_SP1	3.7464e-04	TCCCTKTCCTCT -CCCNCCCC-	
MA0065.2_PPARG_RXRA	6.6645e-04	-TCCCTKTCCTCT-- TGMCCTTGNCCYNN	
MA0326.1_MAC1	1.0207e-03	TCCCTKTCCTCT ----TTTGCTCR	
MA0051.1_IRF2	1.5220e-03	-----TCCCTKTCCTCT NNWWNRSTTTCRCTTCS---	
MA0154.1_EBF1	1.7007e-03	TCCCTKTCCTCT TCCCTNGGGN--	
MA0156.1_FEV	1.8753e-03	TCCCTKTCCTCT ---AYTTCCTG-	
MA0149.1_EWSR1-FLI1	2.9665e-03	--TCCCTKTCCTCT---- CCTTCCTTCCTTCCTCC	
MA0207.1_achi	4.6717e-03	TCCCTKTCCTCT ---CTGTCA---	

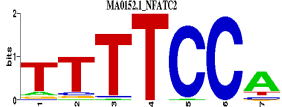

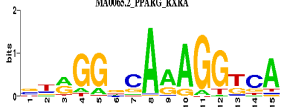


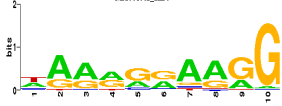
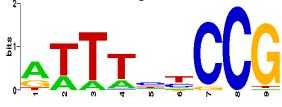



M48



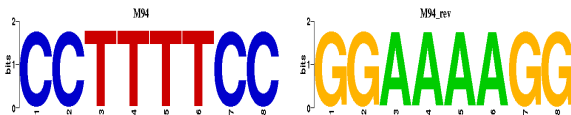
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0140.1_Tal1_Gata1	1.3230e-07	--TCTCTKTCCCC----- NTTATCTNNNNNNNNCNN	
MA0056.1_MZF1_1-4	1.1914e-04	TCTCTKTCCCC- -----TCCCN	
MA0079.2_SP1	1.2279e-04	GGGGAMAGAGA GGGGNGGGG-	
MA0207.1_achi	1.1595e-03	TCTCTKTCCCC ---CTGTCA--	
MA0051.1_IRF2	1.1766e-03	-----TCTCTKTCCCC NNWWNRSTTTTCRCTTCS--	
MA0299.1_GAL4	2.0410e-03	--TCTCTKTCCCC-- GANNRNTNTNNNCCG	
MA0227.1_hth	2.0471e-03	TCTCTKTCCCC ---CTGTCA--	
MA0065.1_PPARG_RXRA	2.7067e-03	-----TCTCTKTCCCC-- NNNTGACCTTTGACCYCNNN	
MA0437.1_YPR196W	3.1445e-03	-GGGGAMAGAGA CGGRNAAAT---	
MA0443.1_btd	4.6350e-03	TCTCTKTCCCC- --YCCGCCMCN	

M44



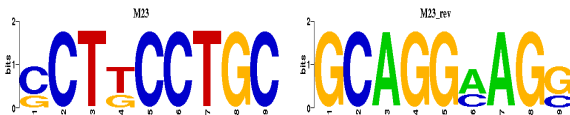
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0152.1_NFATC2	1.4107e-05	CTGGGAAAGG -TGGAAAA--	
MA0088.1_znf143	1.1145e-04	-----CTGGGAAAGG KCNNKGMANNMTGGGANNNN	
MA0065.2_PPARG_RXRA	1.2662e-04	--CTGGGAAAGG--- NNRGGNCAAAGGKCA	
MA0282.1_CEP3	2.7360e-04	CTGGGAAAGG YTCGGAAN--	
MA0085.1_Su_H_	4.4162e-04	----CCTTTCCAG-- NNNNNGKTTCCCACRN	
MA0039.1_Klf4	4.9621e-04	CCTTTCCAG CCTTYYYTNN	
MA0437.1_YPR196W	5.7167e-04	CTGGGAAAGG CGGRNAAAT-	
MA0324.1_LEU3	2.3513e-03	CTGGGAAAGG CCGNNNMGG	
MA0438.1_YRM1	2.7997e-03	CTGGGAAAGG -NCGGANAT-	
MA0421.1_YDR026C	3.5216e-03	--CTGGGAAAGG NCCGGGTAAA--	



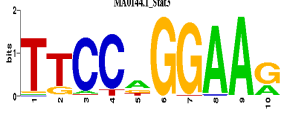



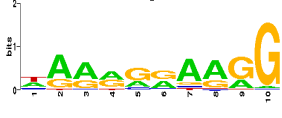

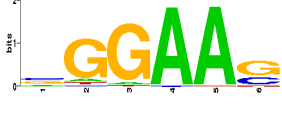

M94



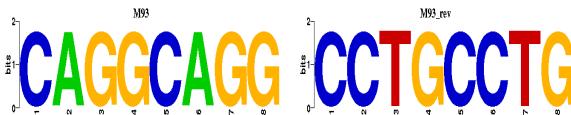
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0152.1_NFATC2	1.5360e-07	-GGAAAAGG TGGAAA--	
MA0294.1_EDS1	1.0526e-05	CCTTTTCC- NTTNTTCCN	
MA0065.2_PPARG_RXRA	1.3872e-05	----GGAAAAGG--- NNRGGNCAAAGGKCA	
MA0137.1_STAT1	1.7806e-05	GGAAAAGG----- RGAAANNGAAACTN	
MA0022.1_dl_1	9.0890e-05	-GGAAAAGG--- NGGAAAAACCCS	
MA0120.1_id1	1.2948e-04	GGAAAAGG---- CGNNANNRRMNA	
MA0367.1_RGT1	1.6992e-04	--GGAAAAGG- NCGGANNAANN	
MA0023.1_dl_2	2.3385e-04	GGAAAAGG-- GGAAAWCCCC	
MA0324.1_LEU3	2.6323e-04	--GGAAAAGG CCGNNNMGG	
MA0062.1_GABPA	3.6977e-04	CCTTTTCC--- -SNCTTCCGGT	

M23



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	4.6233e-07	CCTTCCTGC----- CCTTCCTTCCTTCCTTCC	
MA0156.1_FEV	6.7095e-07	CCTTCCTGC AYTTCCTG-	
MA0144.1_Stat3	1.2096e-06	CCTTCCTGC-- -CTTCCNGGAA	
MA0026.1_Eip74EF	1.7781e-06	GCAGGAAGG -CCGGAAR-	
MA0080.2_SPI1	1.9173e-06	CCTTCCTGC ACTTCCT--	
MA0090.1_TEAD1	9.9430e-05	-GCAGGAAGG-- CNSWGGAATGTR	
MA0039.1_Klf4	1.3784e-04	-GCAGGAAGG NAARRRAAGG	
MA0323.1_IXR1	1.4950e-04	----CCTTCCTGC-- CMCCGCTTCCGGYTT	
MA0080.1_SPI1	2.1581e-04	CCTTCCTGC -STTCN--	
MA0305.1_GCR2	3.0621e-04	GCAGGAAGG --NGGAAGC	

M93



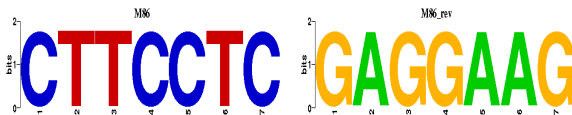
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0340.1_MOT3	3.2869e-05	CCTGCCTG --TRCCTN	
MA0144.1_Stat3	2.7419e-04	CCTGCCTG--- -CTTCCNGGAA	
MA0156.1_FEV	3.7452e-04	CCTGCCTG AYTTCCTG	
MA0026.1_Eip74EF	1.1590e-03	CCTGCCTG -YTTCCGG	
MA0149.1_EWSR1-FL11	1.1750e-03	----CCTGCCTG----- CCTTCCTTCTTCCTTCC	
MA0080.2_SPI1	1.2216e-03	CCTGCCTG ACTTCCT-	
MA0410.1_UGA3	6.2002e-03	-CCTGCCTG TCCCGCCN-	
MA0086.1_sna	6.4886e-03	--CCTGCCTG CACCTG----	
MA0079.1_SP1	6.5644e-03	--CCTGCCTG ACCCNGCCNN	
MA0290.1_DAL81	6.5738e-03	---CCTGCCTG----- AATCCCGCCCGCGGCTTTT	

**M73**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0080.2_SPI1	7.1694e-06	CCTTCCTCAG ACTTCCT---	
MA0081.1_SPIB	8.1475e-06	CCTTCCTCAG --TTCKST-	
MA0149.1_EWSR1-FL11	1.7753e-04	----CCTTCCTCAG---- CCTTCCTTCCTTCCTTC	
MA0039.1_Klf4	2.4210e-04	CTGAGGAAGG NAARRRAAGG	
MA0090.1_TEAD1	3.9769e-04	CTGAGGAAGG-- CNSWGGAAATGTR	
MA0332.1_MET28	5.3056e-04	CCTTCCTCAG ----CCACAG	
MA0080.1_SPI1	5.5923e-04	CCTTCCTCAG -STTCN---	
MA0099.2_AP1	9.2791e-04	CTGAGGAAGG -TGAGTCA--	
MA0326.1_MAC1	9.3522e-04	CTGAGGAAGG -YGAGCAA-	
MA0156.1_FEV	1.1020e-03	CCTTCCTCAG AYTTCCTG--	

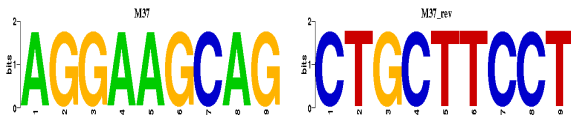
M86





	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0080.2_SPI1	3.1575e-08	-CTTCCTC ACTTCCT-	
MA0081.1_SPIB	2.9480e-07	CTTCCTC- -TTCKST	
MA0144.1_Stat3	5.5487e-06	CTTCCTC--- CTTCCNGGAA	
MA0156.1_FEV	1.0388e-05	-CTTCCTC AYTTCCTG	
MA0080.1_SPI1	1.6170e-05	CTTCCTC STTCN-	
MA0136.1_ELF5	1.8031e-05	GAGGAAG-- NMGGAARTN	
MA0149.1_EWSR1-FLI1	1.8721e-05	-----CTTCCTC-- CCTTCCTTCCTTCCTTC	
MA0305.1_GCR2	5.2491e-05	-CTTCCTC GCTTCN-	
MA0026.1_Eip74EF	5.6699e-05	CTTCCTC YTCCGG	
MA0090.1_TEAD1	6.1350e-05	--GAGGAAG--- CNSWGAATGTR	

M37



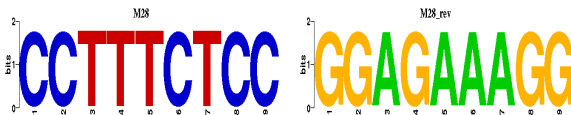
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0305.1_GCR2	5.6667e-07	CTGCTTCCT --GCTTCN	
MA0080.2_SPI1	6.4951e-07	CTGCTTCCT --ACTTCCT	
MA0304.1_GCR1	5.2658e-06	CTGCTTCCT -GGCTTCCA	
MA0149.1_EWSR1-FLI1	5.5744e-05	-----CTGCTTCCT--- CCTTCCTTCCTTCCTTC	
MA0323.1_IXR1	7.8485e-05	--CTGCTTCCT---- CMCCGCTTCGGYTT	
MA0080.1_SPI1	9.1317e-05	CTGCTTCCT ---STTCN	
MA0156.1_FEV	1.6016e-04	CTGCTTCCT- --AYTTCCTG	
MA0144.1_Stat3	2.1586e-04	CTGCTTCCT---- ---CTTCNGGAA	
MA0136.1_ELF5	3.7812e-04	-AGGAAGCAG NMGGAARTN-	
MA0026.1_Eip74EF	4.1370e-04	CTGCTTCCT- ---YTTCGG	

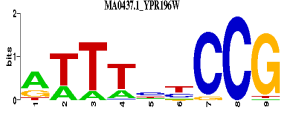
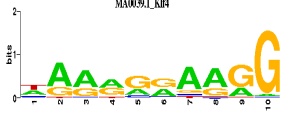
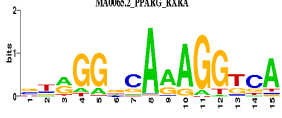

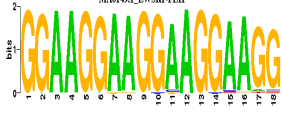

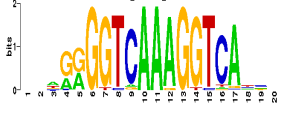



**M81**



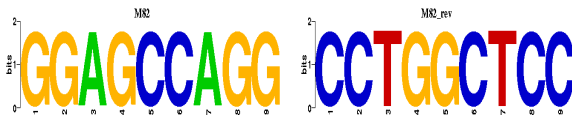
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0304.1_GCR1	1.3801e-08	CTGGCTTCCT --GGCTTCCA	
MA0305.1_GCR2	1.2734e-06	CTGGCTTCCT ---GCTTCN	
MA0080.2_SPI1	1.4526e-06	CTGGCTTCCT ---ACTTCCT	
MA0260.1_che-1	2.5944e-06	AGGAAGCCAG --GAARCC--	
MA0149.1_EWSR1-FL11	7.5446e-06	-----CTGGCTTCCT--- CCTTCCTTCCTTCCTTC	
MA0263.1_ttx-3_c	1.4593e-05	-CTGGCTTCCT--- ATTGGYTTMGTTAR	
MA0080.1_SPI1	1.5380e-04	CTGGCTTCCT ----STTCN	
MA0156.1_FEV	3.3647e-04	CTGGCTTCCT- ---AYTTCCTG	
MA0144.1_Stat3	5.9719e-04	CTGGCTTCCT---- ----CTTCNGGAA	
MA0026.1_Eip74EF	7.1824e-04	CTGGCTTCCT- ----YTTCCG	

M28



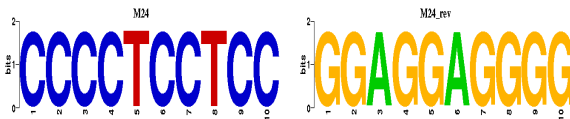
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0437.1_YPR196W	8.4614e-07	-GGAGAAAGG CGGRNAAAT-	
MA0039.1_Klf4	3.5407e-05	-GGAGAAAGG NAARRRAAGG	
MA0065.2_PPARG_RXRA	1.7040e-04	---CCTTTCTCC--- TGMCCTTTGNCCYNN	
MA0115.1_NR1H2_RXRA	2.6415e-04	-----CCTTTCTCC--- STTGACCTTTGACCTTT	
MA0149.1_EWSR1-FLI1	3.1296e-04	-GGAGAAAGG----- GGAAGGAAGGAAGGAAGG	
MA0294.1_EDS1	4.8661e-04	CCTTTCTCC- -NTTNTTCCN	
MA0065.1_PPARG_RXRA	5.0915e-04	-----CCTTTCTCC----- NNNTGACCTTTGACCYCINN	
MA0432.1_YNR063W	6.8686e-04	--GGAGAAAGG TCGGAGAT---	
MA0442.1_SOX10	8.2351e-04	GGAGAAAGG --ACAAWG-	
MA0090.1_TEAD1	9.3551e-04	-GGAGAAAGG-- CNSWGGAAATGTR	

M82



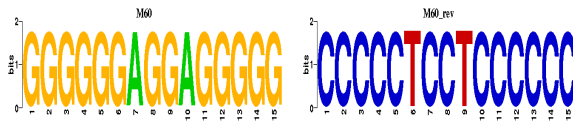
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0213.1_brk	1.9417e-05	GGAGCCAGG RGCGCCRS-	
MA0368.1_RIM101	2.1210e-03	GGAGCCAGG --YGCCAAG	
MA0099.2_API	5.2291e-03	GGAGCCAGG TGAGTCA--	
MA0119.1_TLX1_NFIC	5.3765e-03	CCTGGCTCC----- --TGGCASNNNGCCAA	
MA0092.1_Hand1_T	5.9255e-03	GGAGCCAGG-- -NWNCCAGAYN	
MA0260.1_che-1	5.9806e-03	CCTGGCTCC ---GGYTTC	
MA0272.1_ARG81	6.6489e-03	GGAGCCAGG NGAGTCAN-	
MA0326.1_MAC1	6.8505e-03	GGAGCCAGG YGAGCAAA-	
MA0404.1_TBS1	6.9577e-03	-GGAGCCAGG CGGNTCCG--	
MA0344.1_NHP10	7.0944e-03	--CCTGGCTCC TCCCCGN---	

M24



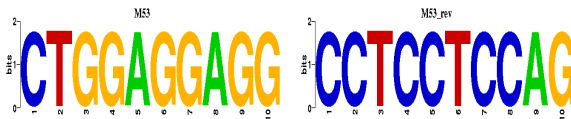
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.1763e-11	CCCCTCCTCC CCCCNCCCCC	
MA0366.1_RGM1	6.3946e-06	CCCCTCCTCC CCCCT-----	
MA0342.1_MSNA	6.7232e-06	GGAGGAGGGG -----AGGGG	
MA0341.1_MSNA	1.6824e-05	GGAGGAGGGG -----AGGGG	
MA0323.1_IXR1	2.1706e-04	CCCCTCCTCC----- CMCCGCTTCCGGYTT	
MA0283.1_CHA4	2.2440e-04	CCCCTCCTCC --NCTCCGCC	
MA0068.1_Pax4	4.0635e-04	-----CCCCTCCTCC----- RAAWAWWWNNMNNNNNNNNNNNNMNNNNNYMC	
MA0364.1_REI1	6.7413e-04	GGAGGAGGGG ---NCAGGGG	
MA0149.1_EWSR1-FLI1	1.2662e-03	-GGAGGAGGGG----- GGAAGGAAGGAAGGAAGG	
MA0431.1_YML081W	1.7052e-03	GGAGGAGGGG- --NWNGGGGN	

**M60**



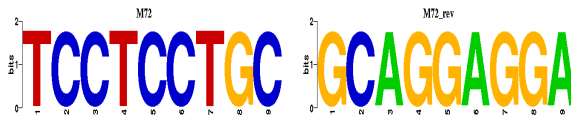
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.8207e-09	CCCCCTCCTCCCCC -CCCCNCCCC----	
MA0068.1_Pax4	1.7767e-06	GGGGGGAGGAGGGGG----- -GKRNNNNKNNNNNNNNNNNNKNNWWWWTWTTY	
MA0073.1_RREB1	4.1332e-06	----GGGGGGAGGAGGGG- NGKKKGKGGGTGKTTGGGG	
MA0443.1_btd	9.4255e-06	CCCCCTCCTCCCCC -----YCCGCCMCN	
MA0163.1_PLAG1	9.8551e-06	GGGGGGAGGAGGGGG -GGGGCCNAAGGGGG	
MA0366.1_RGM1	3.2459e-05	CCCCCTCCTCCCCC -CCCCT-----	
MA0342.1_MSN4	3.4026e-05	GGGGGGAGGAGGGGG -----AGGGG-	
MA0341.1_MSN2	8.0472e-05	GGGGGGAGGAGGGGG -----AGGGG-	
MA0056.1_MZF1_1-4	3.7631e-04	CCCCCTCCTCCCCC -----TCCCN-	
MA0057.1_MZF1_5-13	7.0626e-04	GGGGGGAGGAGGGGG-- -----NKAGGGGNAN	

M53



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.1911e-05	--CCTCCTCCAG CCCCNCCCC--	
MA0062.1_GABPA	2.2151e-04	CCTCCTCCAG-- -SNCTTCCGGT	
MA0283.1_CHA4	2.2440e-04	CCTCCTCCAG NCTCCGCC--	
MA0130.1_ZNF354C	2.4129e-03	CTGGAGGAGG GTGGAK----	
MA0081.1_SPIB	2.8240e-03	CTGGAGGAGG --ASMGGAA-	
MA0080.2_SPI1	3.5194e-03	-CCTCCTCCAG ACTTCCT----	
MA0090.1_TEAD1	9.6104e-03	---CCTCCTCCAG YACATTCCWSNG-	
MA0443.1_btd	9.7918e-03	-CCTCCTCCAG YCCGCCMCN-	
MA0451.1_kni	1.0096e-02	CCTCCTCCAG--- -NTGCTCTANTTT	
MA0152.1_NFATC2	1.2579e-02	CTGGAGGAGG -TGGAAAA--	

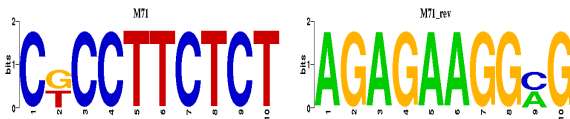
M72

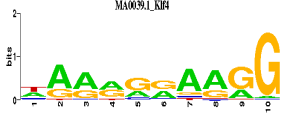




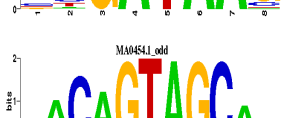

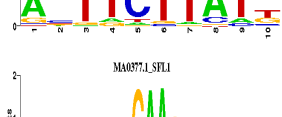

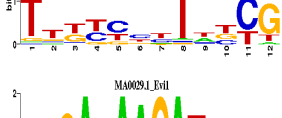




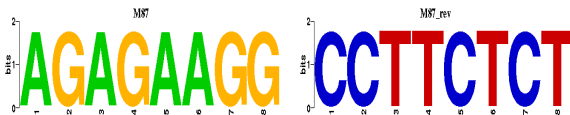
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0413.1_USV1	2.0639e-04	-----GCAGGAGGA----- NNNNNNNTTCAGGGGKANNNN	
MA0086.1_sna	3.4104e-04	TCCTCCTGC --CACCTG--	
MA0144.1_Stat3	1.1127e-03	TCCTCCTGC-- -CTTCCNGGAA	
MA0156.1_FEV	1.1338e-03	TCCTCCTGC AYTTCCTG--	
MA0081.1_SPIB	1.7388e-03	GCAGGAGGA-- ---ASMGGAA	
MA0456.1_opa	1.8075e-03	--GCAGGAGGA-- CNGCGGGGGGKC	
MA0062.1_GABPA	1.8299e-03	GCAGGAGGA-- ACCGGAAGNS	
MA0057.1_MZF1_5-13	2.0506e-03	GCAGGAGGA-- NKAGGGGNAN	
MA0080.2_SPI1	2.1916e-03	TCCTCCTGC ACTTCT--	
MA0026.1_Eip74EF	2.3196e-03	TCCTCCTGC -YTTCCG--	

**M71**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	3.7031e-04	CKCCTTCTCT-- --CCTTYYYTTN	
MA0035.2_Gata1	3.4511e-03	CKCCTTCTCT-- --NNNTTATCTNN	
MA0289.1_DAL80	3.8507e-03	CKCCTTCTCT ---CTTATCG	
MA0149.1_EWSR1-FLI1	8.7121e-03	--AGAGAAGGMG----- GGAAGGAAGGAAGGAAGG	
MA0300.1_GAT1	1.0937e-02	CKCCTTCTCT- ---CTTATCNN	
MA0454.1_odd	1.4370e-02	CKCCTTCTCT- NTGCTACTGTN	
MA0127.1_PEND	1.7334e-02	--AGAGAAGGMG MATAAGAANT--	
MA0377.1_SFL1	1.7339e-02	-----AGAGAAGGMG----- NNNNNNANNGAAGAWNNNWNW	
MA0120.1_id1	1.8157e-02	AGAGAAGGMG-- CGNNANNRRMNA	
MA0029.1_Evi1	1.8410e-02	---CKCCTTCTCT- NNTTATCTTRICTN	

M87



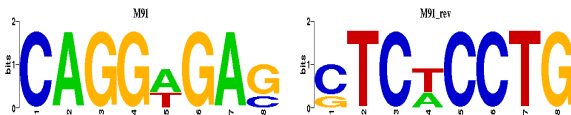
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	2.5798e-05	CCTTCTCT-- CCTTYYYTTN	
MA0035.2_Gata1	3.2457e-04	-CCTTCTCT-- NNNTTATCTNN	
MA0289.1_DAL80	1.2074e-03	CCTTCTCT -CTTATCG	
MA0029.1_Evi1	2.0012e-03	-----CCTTCTCT- NNTTATCTTRICTN	
MA0300.1_GAT1	3.1447e-03	CCTTCTCT- -CTTATCNN	
MA0127.1_PEND	3.4681e-03	--AGAGAAGG MATAAGAANT	
MA0149.1_EWSR1-FLI1	5.3545e-03	-----CCTTCTCT----- CCTTCCTTCCTTCCTTCC	
MA0377.1_SFL1	6.5616e-03	-----AGAGAAGG----- NNNNNNANNGAAGAWNNNWNW	
MA0120.1_id1	7.3479e-03	AGAGAAGG---- CGNNANNRRMNA	
MA0437.1_YPR196W	7.6804e-03	-AGAGAAGG CGGRNAAAT	

M36



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0354.1_PDR8	1.5359e-03	CTCTCTCCT-- --ATCTCCGN	
MA0432.1_YNR063W	1.6070e-03	-AGGAGAGAG TCGGAGAT--	
MA0437.1_YPR196W	2.4426e-03	AGGAGAGAG CGGRNAAAT	
MA0422.1_YDR520C	2.6633e-03	CTCTCTCCT-- NTAWNTCCGN	
MA0009.1_T	4.0622e-03	CTCTCTCCT-- TTCACACCTAG	
MA0140.1_Tal1_Gata1	5.4697e-03	---CTCTCTCCT----- NTTATCTNNNNNNNNCNN	
MA0312.1_HAP1	8.3486e-03	CTCTCTCCT -NAWNTCCG	
MA0205.1_Trl	9.1893e-03	AGGAGAGAG- NNGAGAGNNR	
MA0439.1_YRR1	1.3504e-02	-AGGAGAGAG- NCGGANATANN	
MA0348.1_OAF1	1.4736e-02	CTCTCTCCT-- -NATCYCCGN	

**M91**



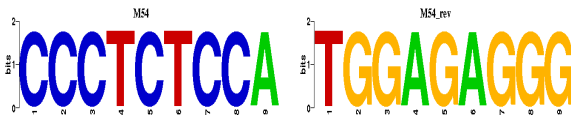
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0086.1_sna	1.9460e-06	CTCTCCTG --CACCTG	
MA0409.1_TYE7	2.1258e-04	CTCTCCTG -TCACGTG	
MA0156.1_FEV	5.0514e-04	CTCTCCTG AYTTCCTG	
MA0281.1_CBF1	7.9171e-04	-CAGGAGAG NCACGTGA-	
MA0103.1_ZEB1	1.5189e-03	CAGGAGAG NAGGTG--	
MA0354.1_PDR8	1.6952e-03	CTCTCCTG ATCTCCGN	
MA0432.1_YNR063W	1.7747e-03	CAGGAGAG TCGGAGAT	
MA0322.1_INO4	1.9795e-03	CTCTCCTG- TTCACATGC	
MA0321.1_INO2	2.5650e-03	CTCTCCTG- TTCACATGC	
MA0364.1_REI1	2.9883e-03	-CAGGAGAG NCAGGG--	

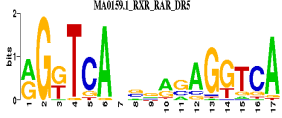
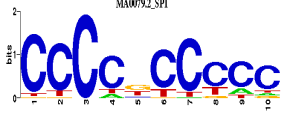
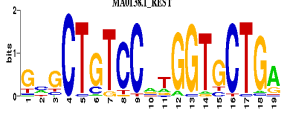
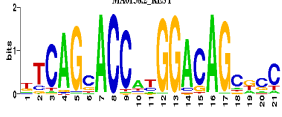

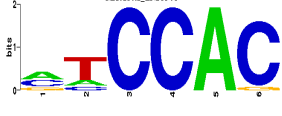

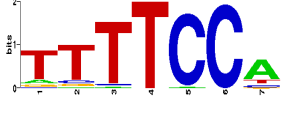


M88



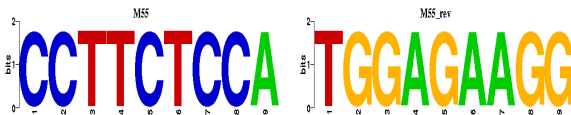
<i>Name</i>	<i>E value</i>	<i>forward</i> <i>reverse compliment</i>	<i>Alignment</i>	<i>Motif</i>
MA0287.1_CUP2	1.2149e-04		-AGCAGAG--- CAGCARAAAWG	
MA0326.1_MAC1	1.7632e-03		CTCTGCT-- -TTTGCTCR	
MA0283.1_CHA4	1.9305e-03		AGCAGAG- GGCGGAGN	
MA0065.2_PPARG_RXRA	2.2068e-03		----CTCTGCT---- TGMCC T TGNCCYNN	
MA0320.1_IME1	2.9659e-03		CTCTGCT- CTCGGCGG	
MA0139.1_CTCF	4.2012e-03		-----CTCTGCT----- NNSYGCCMCC TRSTGGNNR	
MA0454.1_odd	8.7221e-03		CTCTGCT----- --NTGCTACTGTN	
MA0062.1_GABPA	1.0026e-02		---AGCAGAG ACCGGAAGNS	
MA0150.1_NFE2L2	1.0403e-02		----CTCTGCT RTGACWNAGCA	
MA0456.1_opa	1.3367e-02		----CTCTGCT- GMCCCCCGCNG	

M54



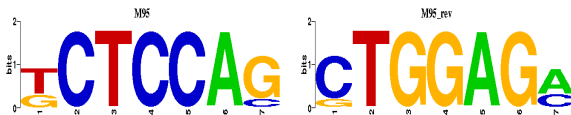
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0159.1_RXR_RAR_DR5	2.4111e-05	--CCCTCTCCA----- TGACCTNYNNNTGAMCY	
MA0079.2_SP1	4.1813e-05	TGGAGAGGG- GGGGGNGGGG	
MA0138.1_REST	5.8477e-04	-----TGGAGAGGG- TCAGCACCWNGGACAGCNC	
MA0138.2_REST	1.5249e-03	--CCCTCTCCA----- GNNCTGTCCNNGGTGCTGAN	
MA0354.1_PDR8	1.5359e-03	CCCTCTCCA- --ATCTCCGN	
MA0130.1_ZNF354C	1.5817e-03	-TGGAGAGGG GTGGAK----	
MA0432.1_YNR063W	1.6070e-03	-TGGAGAGGG TCGGAGAT--	
MA0152.1_NFATC2	2.0767e-03	TGGAGAGGG TGGAAA--	
MA0366.1_RGM1	2.9116e-03	TGGAGAGGG- -----AGGGG	
MA0342.1_MS4	3.2069e-03	-CCCTCTCCA CCCCT-----	

M55

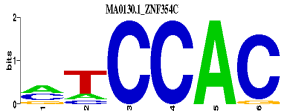



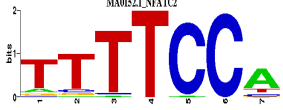
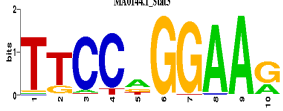






	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0152.1_NFATC2	5.9776e-06	TGGAGAAGG TGGAAAA--	
MA0437.1_YPR196W	1.9907e-04	TGGAGAAGG CGGRNAAAT	
MA0432.1_YNR063W	6.8686e-04	-TGGAGAAGG TCGGAGAT--	
MA0354.1_PDR8	1.5359e-03	CCTTCTCCA- --ATCTCCGN	
MA0130.1_ZNF354C	1.5817e-03	-TGGAGAAGG GTGGAK----	
MA0289.1_DAL80	2.4091e-03	CCTTCTCCA -CTTATCG-	
MA0079.2_SP1	2.9878e-03	--CCTTCTCCA CCCCNCCCC-	
MA0324.1_LEU3	3.0848e-03	-TGGAGAAGG CCGNNNMGG	
MA0039.1_Klf4	4.3798e-03	CCTTCTCCA- CCTYYTNTN	
MA0300.1_GAT1	6.6138e-03	CCTTCTCCA -CTTATCNN	

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	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0130.1_ZNF354C	3.9979e-04	CTGGAGA GTGGAK-	
MA0354.1_PDR8	4.0555e-04	-TCTCCAG ATCTCCGN	
MA0432.1_YNR063W	4.9819e-04	-TCTCCAG ATCTCCGA	
MA0253.1_vnd	5.0195e-04	--CTGGAGA YACTTGARA	
MA0152.1_NFATC2	8.1987e-04	CTGGAGA- -TGGA AAA	
MA0144.1_Stat3	1.5400e-03	----CTGGAGA CTTCCNGGAA-	
MA0451.1_kni	2.0024e-03	---CTGGAGA-- AAANTAGAGCAN	
MA0213.1_brk	2.0184e-03	CTGGAGA- SYGGCGCY	
MA0247.1_tin	2.7118e-03	--CTGGAGA CACTTGAR-	
MA0018.1_CREB1	5.0823e-03	----TCTCCAG- NACGTCANCMNN	

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