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Input file: 71 motifs loaded

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

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

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

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## Multiple Alignment

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

```

M0 : -----AAAAAAAAAAAAAAAAATAAAAAA
M1 : -----TTTTTTTTTTTTAAAAAAAAATTT-----
M2 : CACACACACACACACACACACACA-----
M3 : -----GGGGGGGGGAGGGAGGGGGGGG-----
M4 : -----CCCCAGCCCCGCCCCC-----
M5 : -----GGGCAGGCWGGG-----
M6 : -----GGGGGGGGGAGGAGGGG-----
M7 : -----AAAAAAAAAGAAAGAAAAAAAA-----
M8 : -----CCCCCCCCCTCCCAGCCCC-----
M9 : -----GGGAGAGGGGGGGG-----
M10 : -----GGAGGCAGAG-----
M11 : -----GGGGGGGAGGAAGGAG-----
M12 : -----GGGGAAGGGG-----
M13 : -----CCCAGCAG-----
M14 : -----CCCAGCCCAG-----
M15 : -----GCAGAGGMAGAGGGGG-----
M16 : -----CCCAGCCTCCC-----
M17 : -----CCAGGCTGC-----
M18 : -----CAGRGCTGG-----
M19 : -----CCCCCCCCACCCCCACCCCCCCC-----
M20 : -----GCTGCAGAG-----
M21 : -----SCAGCAGCAG-----
M22 : -----CCCCCCCCCTCCCAG-----

```

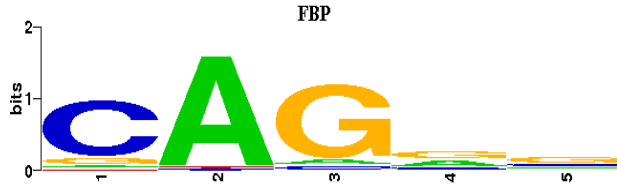
Stamp Results

04/30/14

M23: -----SCAGCCAGGCC-----  
M24: -----TTTTTTTTTTTTTAAAT-----  
M25: -----CCAGGCCTGGG-----  
M26: -----GGGAAGCAGG-----  
M27: -----CCCCCCCCCACCCACCCCCC-----  
M28: -----CAGAGCAGAGG-----  
M29: -----GGGACAGAGG-----  
M30: -----CCCAGGGCCY-----  
M31: -----GCAGGAAAGGAA-----  
M32: -----GGGGGGGGAGGGGMGGGGGG-----  
M33: -----CAGAAGGRA-----  
M34: -----AAAAAAAAACAAACAAAAAAAA-----  
M35: -----GGGGGGGAGGGGYGGGG-----  
M36: -----CTTCCCCAGC-----  
M37: -----ARGGAACAGG-----  
M38: -----ACAGCACAGM-----  
M39: -----GGAGCTSAG-----  
M40: -----GRGCTCAGGG-----  
M41: -----AGAGAAAAAAAA-----  
M42: -----GAAGCCAGAA-----  
M43: -----GGGGCTGGCAGGRA-----  
M44: -----GGGGGGCAGAGGAGC-----  
M45: -----GGANCTCAGGG-----  
M46: -----AGAGARGCAGG-----  
M47: -----CCCAGAAG-----  
M48: -----RGAGAGCCAGGG-----  
M49: -----CAGGGRTGGGG-----  
M50: -----CCCAGCTTCCC-----  
M51: -----ATTAAAAAAAAAAAA-----  
M52: -----GAGGTCAGGG-----  
M53: -----AAAAAAMAACAACAAAAAAAA-----  
M54: -----CCCAGTCCCY-----  
M55: -----AAAAATGAAGA-----  
M56: -----CTCAGCCCTCC-----  
M57: -----NCCAGTTCC-----  
M58: -----GCAGCCATGG-----  
M59: -----TTTCAAAGAAA-----  
M60: -----CAGTTCTTT-----  
M61: -----CACAAAGCCA-----  
M62: -----CANTTCCCA-----  
M63: -----SCTTGCAGA-----  
M64: -----AAACAGGGA-----  
M65: -----AGGCAAAGCA-----

M66: -----AGCAGGTGNG-----  
 M67: -----CAGAAGCCCT-----  
 M68: -----CAGAGAAG-----  
 M69: -----CAGACACY-----  
 M70: -----CTAGANAG-----

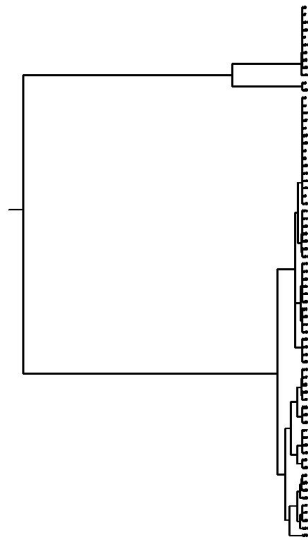
**Familial Profile:**  
[\(click for matrix\)](#)



## Motif Tree

Tree (drawn by **Phylip**)

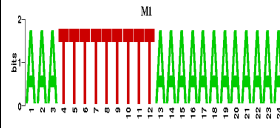

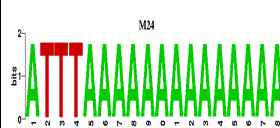

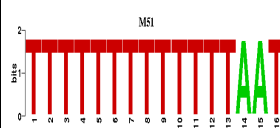







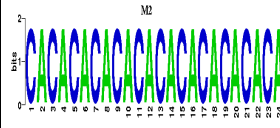
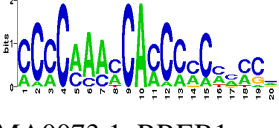


[Click here for Newick-format tree \(viewable with MEGA\)](#)

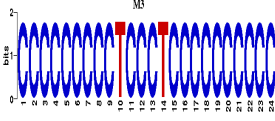
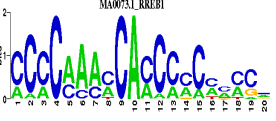
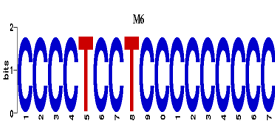
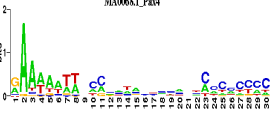
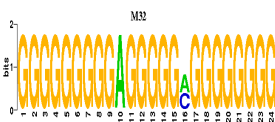
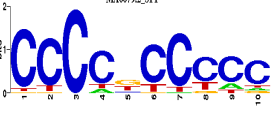
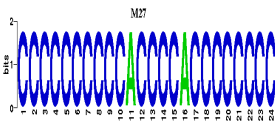
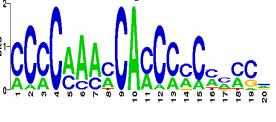
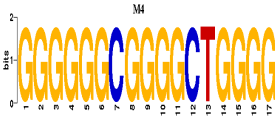
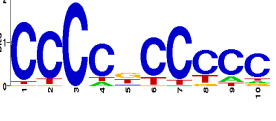
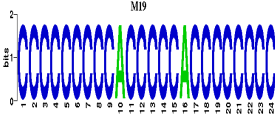
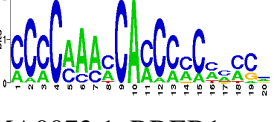
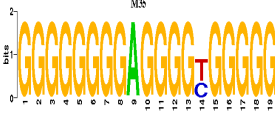
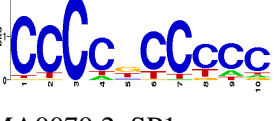
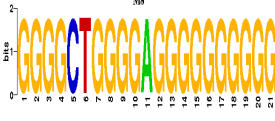
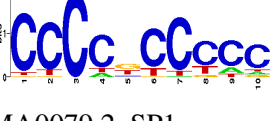


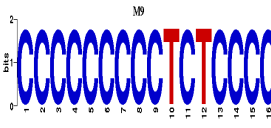
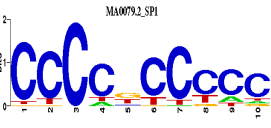
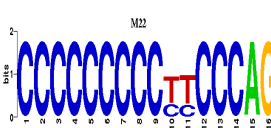
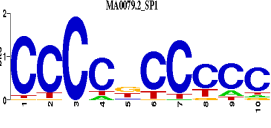

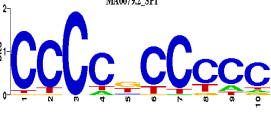

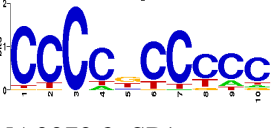
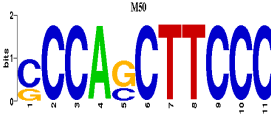

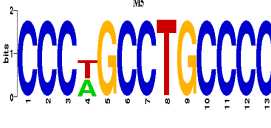
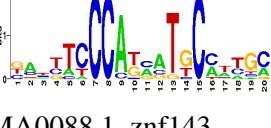

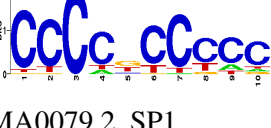

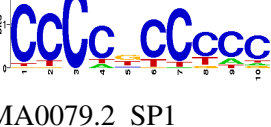
Input Motif

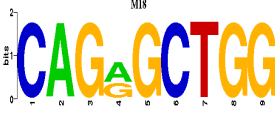


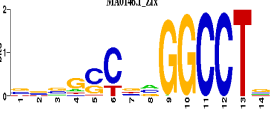
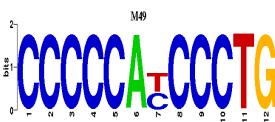
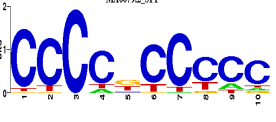
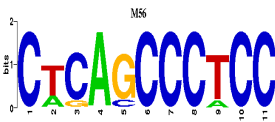




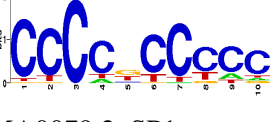

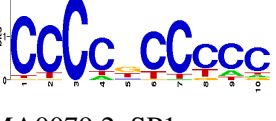
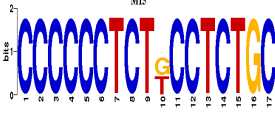
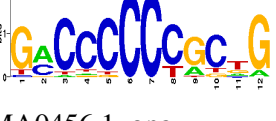
Best match in JASPAR

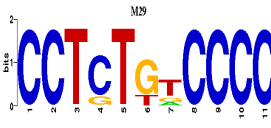
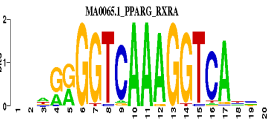

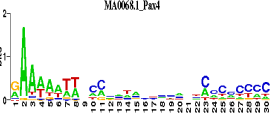

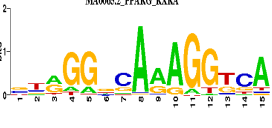
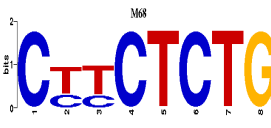

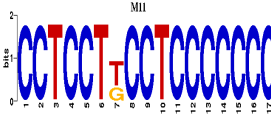
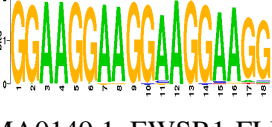
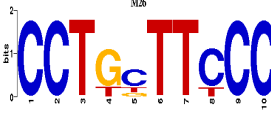





<p><b>M0</b></p>	<p>MA0277.1_AZF1 (E val: 5.7562e-07)</p>
<p><b>M7</b></p>	<p>MA0277.1_AZF1 (E val: 6.4501e-12)</p>
<p><b>M34</b></p>	<p>MA0277.1_AZF1 (E val: 5.7562e-07)</p>
<p><b>M53</b></p>	<p>MA0277.1_AZF1 (E val: 5.7562e-07)</p>

 <p><b>M1</b></p>	 <p><b>MA0277.1_AZF1</b> (E val: 5.7562e-07)</p>
 <p><b>M24</b></p>	 <p><b>MA0277.1_AZF1</b> (E val: 1.8643e-07)</p>
 <p><b>M51</b></p>	 <p><b>MA0277.1_AZF1</b> (E val: 9.5526e-08)</p>
 <p><b>M41</b></p>	 <p><b>MA0277.1_AZF1</b> (E val: 3.4658e-08)</p>
 <p><b>M55</b></p>	 <p><b>MA0388.1_SPT23</b> (E val: 3.8422e-06)</p>
 <p><b>M59</b></p>	 <p><b>MA0277.1_AZF1</b> (E val: 3.6142e-09)</p>
 <p><b>M2</b></p>	 <p><b>MA0073.1_RREB1</b> (E val: 7.2097e-05)</p>
 <p><b>M69</b></p>	 <p><b>MA0271.1_ARG80</b> (E val: 2.0367e-04)</p>


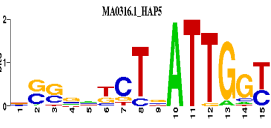

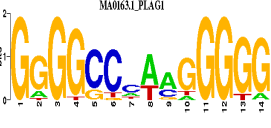
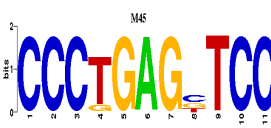

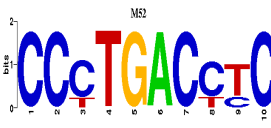
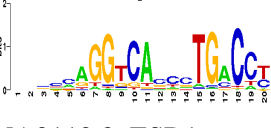



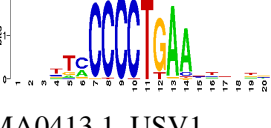

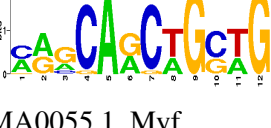


 <p><b>M3</b></p>	 <p><b>MA0073.1_RREB1</b> (E val: 3.8005e-11)</p>
 <p><b>M6</b></p>	 <p><b>MA0068.1_Pax4</b> (E val: 9.4865e-10)</p>
 <p><b>M32</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 9.1149e-14)</p>
 <p><b>M27</b></p>	 <p><b>MA0073.1_RREB1</b> (E val: 3.7748e-15)</p>
 <p><b>M4</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 3.1519e-13)</p>
 <p><b>M19</b></p>	 <p><b>MA0073.1_RREB1</b> (E val: 3.1086e-15)</p>
 <p><b>M35</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 2.2236e-12)</p>
 <p><b>M8</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 7.8955e-09)</p>





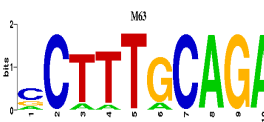




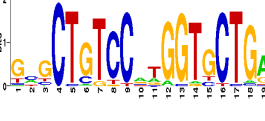
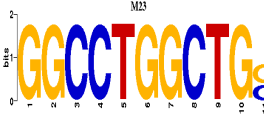

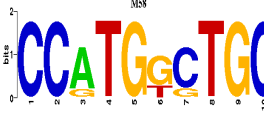



<p>M9</p> 	<p>MA0079.2_SP1 (E val: 3.3750e-08)</p> 
<p>M22</p> 	<p>MA0079.2_SP1 (E val: 6.7333e-07)</p> 
<p>M12</p> 	<p>MA0079.2_SP1 (E val: 2.4192e-10)</p> 
<p>M16</p> 	<p>MA0079.2_SP1 (E val: 7.1222e-07)</p> 
<p>M50</p> 	<p>MA0323.1_IXR1 (E val: 2.8996e-06)</p> 
<p>M5</p> 	<p>MA0088.1_znf143 (E val: 1.9614e-04)</p> 
<p>M43</p> 	<p>MA0079.2_SP1 (E val: 5.4855e-04)</p> 
<p>M14</p> 	<p>MA0079.2_SP1 (E val: 3.5095e-05)</p> 


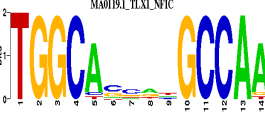


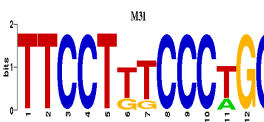


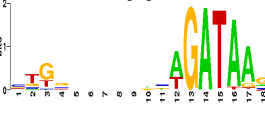
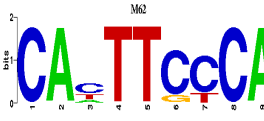
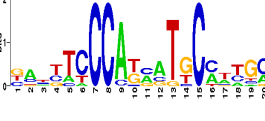



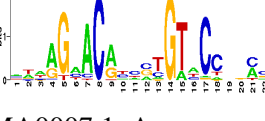
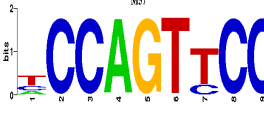
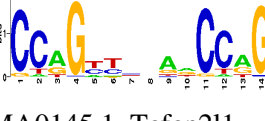
 <p><b>M18</b></p>	 <p><b>MA0267.1_ACE2</b> (E val: 3.9729e-04)</p>
 <p><b>M25</b></p>	 <p><b>MA0146.1_Zfx</b> (E val: 4.7836e-06)</p>
 <p><b>M49</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 1.0975e-05)</p>
 <p><b>M56</b></p>	 <p><b>MA0283.1_CHA4</b> (E val: 9.2380e-04)</p>
 <p><b>M30</b></p>	 <p><b>MA0163.1_PLAG1</b> (E val: 2.1210e-06)</p>
 <p><b>M54</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 2.2879e-05)</p>
 <p><b>M10</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 1.2882e-04)</p>
 <p><b>M15</b></p>	 <p><b>MA0456.1_opa</b> (E val: 5.5007e-06)</p>

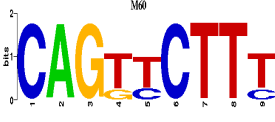


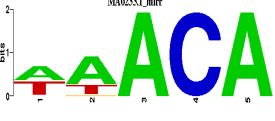
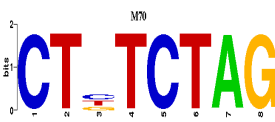

 <p><b>M29</b></p>	 <p><b>MA0065.1_PPARG_RXRA</b> (E val: 5.3373e-06)</p>
 <p><b>M44</b></p>	 <p><b>MA0068.1_Pax4</b> (E val: 3.2650e-08)</p>
 <p><b>M28</b></p>	 <p><b>MA0065.2_PPARG_RXRA</b> (E val: 5.3757e-07)</p>
 <p><b>M68</b></p>	 <p><b>MA0035.2_Gata1</b> (E val: 8.4656e-04)</p>
 <p><b>M11</b></p>	 <p><b>MA0149.1_EWSR1-FLI1</b> (E val: 1.0425e-11)</p>
 <p><b>M26</b></p>	 <p><b>MA0305.1_GCR2</b> (E val: 3.4793e-06)</p>
 <p><b>M46</b></p>	 <p><b>MA0454.1_odd</b> (E val: 1.9592e-04)</p>
 <p><b>M48</b></p>	 <p><b>MA0371.1_ROX1</b> (E val: 1.2636e-04)</p>



<p>M39</p> 	<p>MA0316.1_HAP5 (E val: 9.3923e-05)</p> 
<p>M40</p> 	<p>MA0163.1_PLAG1 (E val: 6.3469e-07)</p> 
<p>M45</p> 	<p>MA0116.1_Zfp423 (E val: 6.8049e-05)</p> 
<p>M52</p> 	<p>MA0112.2_ESR1 (E val: 7.8619e-10)</p> 
<p>M13</p> 	<p>MA0402.1_SWI5 (E val: 1.4335e-05)</p> 
<p>M47</p> 	<p>MA0413.1_USV1 (E val: 2.2152e-05)</p> 
<p>M21</p> 	<p>MA0055.1_Myf (E val: 2.4917e-08)</p> 
<p>M33</p> 	<p>MA0149.1_EWSR1-FLI1 (E val: 7.1011e-05)</p> 

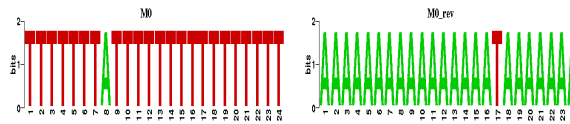
 <p><b>M67</b></p>	 <p><b>MA0260.1_che-1</b> (E val: 5.1721e-06)</p>
 <p><b>M20</b></p>	 <p><b>MA0055.1_Myf</b> (E val: 3.1502e-04)</p>
 <p><b>M63</b></p>	 <p><b>MA0453.1_nub</b> (E val: 5.6877e-05)</p>
 <p><b>M38</b></p>	 <p><b>MA0332.1_MET28</b> (E val: 6.7282e-05)</p>
 <p><b>M17</b></p>	 <p><b>MA0138.1_REST</b> (E val: 4.0275e-04)</p>
 <p><b>M23</b></p>	 <p><b>MA0039.2_Klf4</b> (E val: 2.0935e-03)</p>
 <p><b>M58</b></p>	 <p><b>MA0359.1_RAP1</b> (E val: 2.1992e-03)</p>
 <p><b>M42</b></p>	 <p><b>MA0323.1_IXR1</b> (E val: 8.6444e-06)</p>

 <p><b>M61</b></p>	 <p><b>MA0119.1_TLX1_NFIC</b> (E val: 1.8028e-06)</p>
 <p><b>M65</b></p>	 <p><b>MA0053.1_MNB1A</b> (E val: 3.1107e-05)</p>
 <p><b>M31</b></p>	 <p><b>MA0370.1_RME1</b> (E val: 4.6363e-05)</p>
 <p><b>M36</b></p>	 <p><b>MA0140.1_Tal1_Gata1</b> (E val: 4.2617e-07)</p>
 <p><b>M62</b></p>	 <p><b>MA0088.1_znf143</b> (E val: 6.5453e-07)</p>
 <p><b>M66</b></p>	 <p><b>MA0086.1_sna</b> (E val: 3.7329e-08)</p>
 <p><b>M37</b></p>	 <p><b>MA0007.1_Ar</b> (E val: 1.0032e-04)</p>
 <p><b>M57</b></p>	 <p><b>MA0145.1_Tcfcp211</b> (E val: 4.5661e-05)</p>

 <p><b>M60</b></p>	 <p>MA0277.1_AZF1 (E val: 1.2308e-04)</p>
 <p><b>M64</b></p>	 <p>MA0233.1_mirr (E val: 1.5395e-04)</p>
 <p><b>M70</b></p>	 <p>MA0266.1_ABF2 (E val: 1.6619e-04)</p>


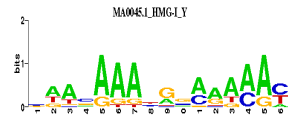



### Motif Similarity Matches



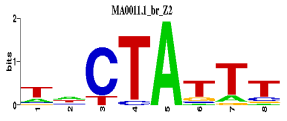


**M0**



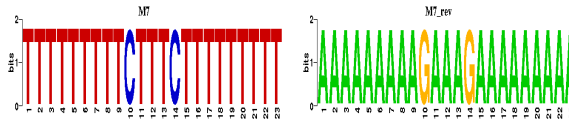
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	5.7562e-07	TTTTTTTATTTTTTTTTTTTTTTTTT ----TTTCTTTT-----	
MA0045.1_HMG-I_Y	1.0788e-06	-TTTTTTTATTTTTTTTTTTTTTTTTT RTTYKYNNTTNTNN-----	
MA0049.1_hb	8.0525e-05	TTTTTTTATTTTTTTTTTTTTTTTTT -NTTTTTNYKS-----	
MA0216.1_cad	8.5851e-05	AAAAAAAAAAAAAAAAATAAAAAA -----YAATAA-----	
MA0041.1_Foxd3	9.0218e-05	AAAAAAAAAAAAAAAAATAAAAAA -----AAANAACAWTN-----	



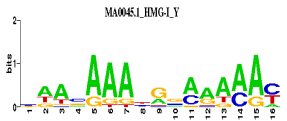
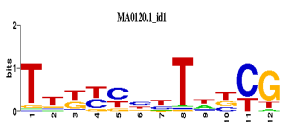
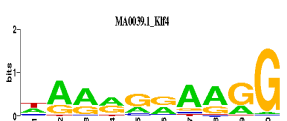
MA0082.1_squamosa	1.4946e-04	AAAAAAAAAAAAAAAAAATAAAAAA -----MCAWAWATRGNAAN-	
MA0040.1_Foxq1	2.3145e-04	AAAAAAAAAAAAAAAAAATAAAAAA- -----WATAACAATN	
MA0011.1_br_Z2	3.2081e-04	AAAAAAAAAAAAAAAAAATAAAAAA -----AAATAGNW---	
MA0013.1_br_Z4	3.7027e-04	TTTTTTTATTTTTTTTTTTTTTTTT WTWNTTACTA-----	
MA0010.1_br_Z1	9.5529e-04	AAAAAAAAAAAAAAAAAATAAAAAA ----NTNATARACAARWN-----	

**M7**



*forward*

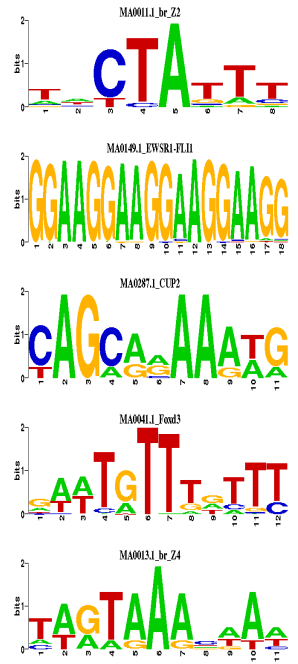
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	6.4501e-12	TTTTTTTTTCTTTCTTTTTTTTT -----TTTCTTTTT---	
MA0082.1_squamosa	1.8743e-05	TTTTTTTTTCTTTCTTTTTTTTT -----NTNICYATWTWGK	
MA0045.1_HMG-I_Y	2.1490e-04	TTTTTTTTTCTTTCTTTTTTTTT -RTTYKKNYNTTNTNN-----	
MA0120.1_id1	4.8391e-04	AAAAAAAAAGAAAGAAAAAAAAA -----CGNNANNRRMNA---	
MA0039.1_Klf4	4.9765e-04	AAAAAAAAAGAAAGAAAAAAAAA ----NAARRRAAG-----	

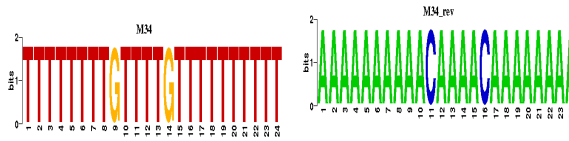
Stamp Results

04/30/14

MA0011.1_br_Z2	8.1395e-04	AAAAAAAAAGAAAGAAAAAAAAA -----AAATAGNW-----
MA0149.1_EWSR1-FLI1	1.1105e-03	AAAAAAAAAGAAAGAAAAAAAAA GGAAGGAAGGAAGGAAGG-----
MA0287.1_CUP2	1.7908e-03	AAAAAAAAAGAAAGAAAAAAAAA -----CAGCARAAAWG-----
MA0041.1_Foxd3	1.8653e-03	TTTTTTTTTCTTTCTTTTTTTTT -----NAWTGTTTNTTT--
MA0013.1_br_Z4	2.0251e-03	TTTTTTTTTCTTTCTTTTTTTTT -WTWNTTACTA-----



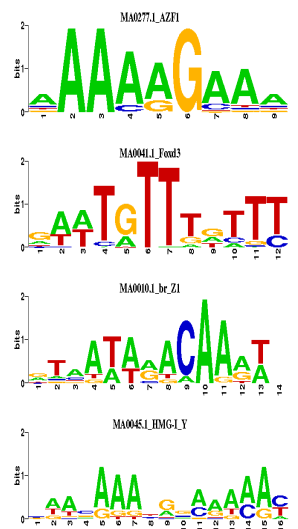
M34



*forward*





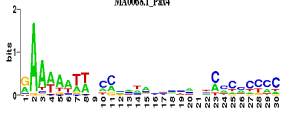
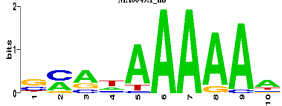
*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
MA0277.1_AZF1	5.7562e-07	TTTTTTTTGTTTTGTTTTTTTTT -----TTCTTTTT-----
MA0041.1_Foxd3	2.6174e-06	AAAAAAAAAACAAAACAAAAAAAAA ---AAANAAACAWTN-----
MA0010.1_br_Z1	1.4362e-05	TTTTTTTTGTTTTGTTTTTTTTT -----NWYTTGYTATNAN--
MA0045.1_HMG-I_Y	4.8801e-05	TTTTTTTTGTTTTGTTTTTTTTT -RTTYKNYNTTNTNN-----

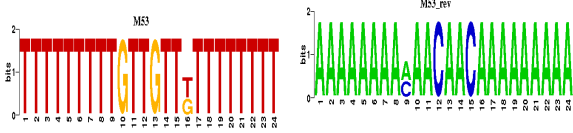


Stamp Results

04/30/14


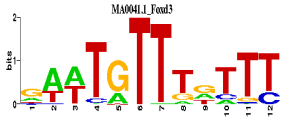

MA0013.1_br_Z4	1.3377e-04	TTTTTTTTGTTTTGTTTTTTTTT -----WTWNTTTACTA----	
MA0040.1_Foxq1	2.6000e-04	AAAAAAAAAACAAAACAAAAAAAAA ----WATAAACAAATN-----	
MA0137.1_STAT1	3.2513e-04	AAAAAAAAAACAAAACAAAAAAAAA ----RGAAANNGAAACTN-----	
MA0050.1_IRF1	8.8884e-04	TTTTTTTTGTTTTGTTTTTTTTT -----GGTTTCRNTTTN-----	
MA0068.1_Pax4	9.4383e-04	-----TTTTTTTTGTTTTGTTTTTTTTT GKRNNNNKNNNNNNNNNNNNKNNWWWTTTY	
MA0049.1_hb	1.1206e-03	TTTTTTTTGTTTTGTTTTTTTTT NTTTTNYKS-----	

M53



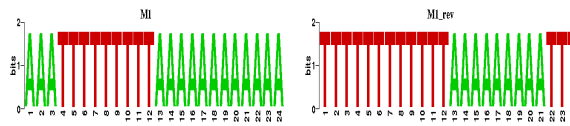
*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	5.7562e-07	TTTTTTTTTGTTGTTKTTTTTTTT TTCTTTTT-----	
MA0041.1_Foxd3	1.2576e-05	AAAAAAAAAMAACAACAAAAAAAAA ----AAANAAACAWTN-----	
MA0287.1_CUP2	1.1663e-04	AAAAAAAAAMAACAACAAAAAAAAA -----CAGCARAAAWG--	

MA0120.1_id1	1.0144e-03	-AAAAAAAAAMAACAACAAAAAAAAAA CGNNANNRRMNA-----	
MA0049.1_hb	1.1206e-03	TTTTTTTTTGTGTTKTTTTTTTT -NTTTTTNYKS-----	
MA0040.1_Foxq1	1.1215e-03	AAAAAAAAAMAACAACAAAAAAAAAA -----WATAACAATN-----	
MA0045.1_HMG-I_Y	1.3293e-03	TTTTTTTTTGTGTTKTTTTTTTT RTTYKNYNTTNTNN-----	
MA0002.1_RUNX1	1.6395e-03	AAAAAAAAAMAACAACAAAAAAAAAA -----NAACCACARWW-----	
MA0216.1_cad	3.9654e-03	AAAAAAAAAMAACAACAAAAAAAAAA -----YAATAA-----	
MA0068.1_Pax4	4.0142e-03	-AAAAAAAAAMAACAACAAAAAAAAAA----- RAAWAWWWNNMNNNNNNNNNNMNNNNNYMC	

**M1**



*forward*

*reverse compliment*

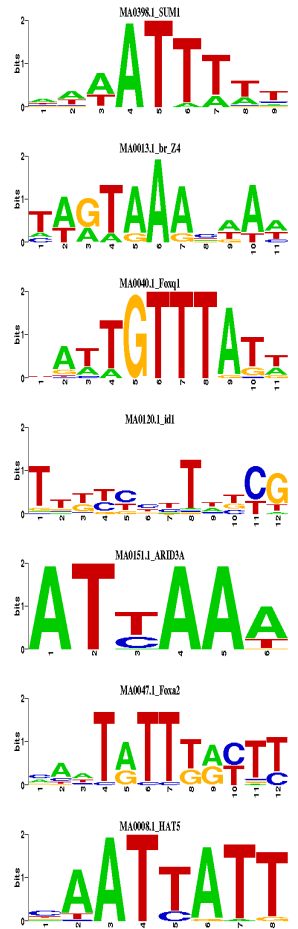
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	5.7562e-07	AAATTTTTTTTTTAAAAAAAAAAAA ---TTTCTTTTT-----	
MA0010.1_br_Z1	3.9429e-05	TTTTTTTTTTTTTAAAAAAAAAATTT NWYTTGTYTATNAN-----	
MA0041.1_Foxd3	5.4752e-05	TTTTTTTTTTTTTAAAAAAAAAATTT -----AAANAAACAWTN	



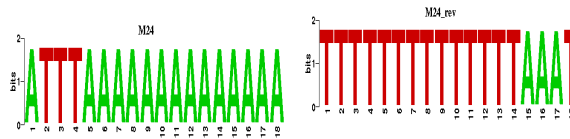
Stamp Results

04/30/14

MA0398.1_SUM1	2.8422e-04	TTTTTTTTTTTTTAAAAAAAAAATTT- -----NAAAATTWN
MA0013.1_br_Z4	7.5329e-04	TTTTTTTTTTTTTAAAAAAAAAATTT --WTWNTTTACTA-----
MA0040.1_Foxq1	1.2247e-03	TTTTTTTTTTTTTAAAAAAAAAATTT -----WATAACAATN-
MA0120.1_id1	2.6257e-03	AAATTTTTTTTTTAAAAAAAAAAAA -----CGNNANRRMNA-
MA0151.1_ARID3A	3.0157e-03	AAATTTTTTTTTTAAAAAAAAAAAA -----TTTAAT-----
MA0047.1_Foxa2	3.4674e-03	TTTTTTTTTTTTTAAAAAAAAAATTT -----AARYAAATANTN
MA0008.1_HAT5	4.0522e-03	TTTTTTTTTTTTTAAAAAAAAAATTT -----AATAATTN



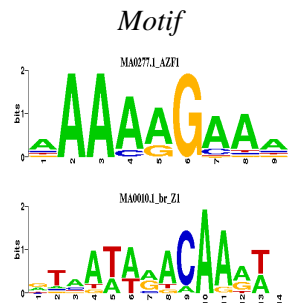
M24

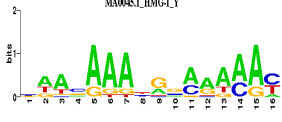
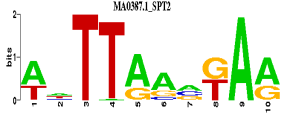



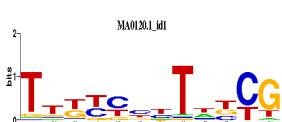




*forward*

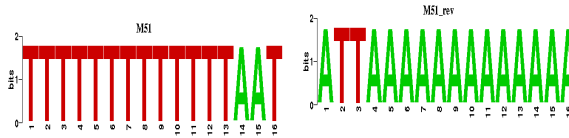
*reverse compliment*

Name	E value	Alignment
MA0277.1_AZF1	1.8643e-07	TTTTTTTTTTTTTTAAAT TTTCTTTT-----
MA0010.1_br_Z1	8.3437e-06	TTTTTTTTTTTTTTAAAT --NWYTTGTYTATNAN--




MA0045.1_HMG-I_Y	3.8615e-05	-TTTTTTTTTTTTTAAAT RTTYKNYNTTNTNN---	
MA0387.1_SPT2	1.2455e-04	TTTTTTTTTTTTTAAAT -----TTMNTTAANT	
MA0142.1_Pou5f1	1.6791e-04	ATTTAAAAAAAAAAAAA ATTTGCATNACAAWG---	
MA0013.1_br_Z4	2.7681e-04	TTTTTTTTTTTTTAAAT ---WTWNTTACTA---	
MA0041.1_Foxd3	6.2601e-04	TTTTTTTTTTTTTAAAT AWTGTTTNTTT-----	
MA0120.1_id1	8.3265e-04	ATTTAAAAAAAAAAAAA ---CGNNANRRMNA---	
MA0082.1_squamosa	1.3025e-03	ATTTAAAAAAAAAAAAA --MCAWAWATRGNAAN--	
MA0151.1_ARID3A	1.4407e-03	ATTTAAAAAAAAAAAAA -TTAAT-----	

**M51**



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	9.5526e-08	TTTTTTTTTTTTTAAAT TTTCTTTTTT-----	

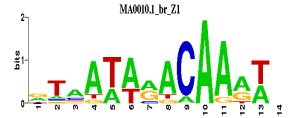
MA0151.1\_ARID3A 1.0592e-06

TTTTTTTTTTTTTAAT  
-----TTTAAT



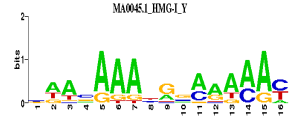
MA0010.1\_br\_Z1 2.9114e-06

TTTTTTTTTTTTTAAT  
-NWYTTGTYTATNAN-



MA0045.1\_HMG-I\_Y 1.5659e-04

-TTTTTTTTTTTTTAAT  
RTTTYKYNNTTNTNN-



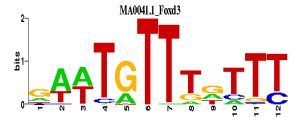
MA0013.1\_br\_Z4 1.5661e-04

TTTTTTTTTTTTTAAT  
---WTWNTTACTA--



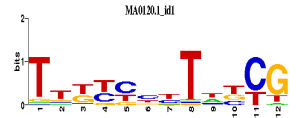
MA0041.1\_Foxd3 3.3199e-04

TTTTTTTTTTTTTAAT  
AWTGTTTNTTT-----



MA0120.1\_id1 4.4765e-04

ATTAAAAAAAAAAAAA  
--CGNNANRRMNA--



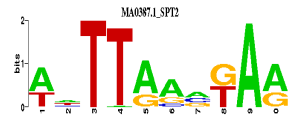
MA0082.1\_squamosa 6.1811e-04

ATTAAAAAAAAAAAAA  
-MCAWAWATRGNAAN-



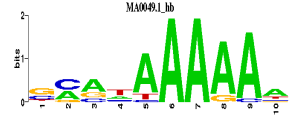
MA0387.1\_SPT2 1.1812e-03

TTTTTTTTTTTTTAAT-  
-----TTMNTTAANT

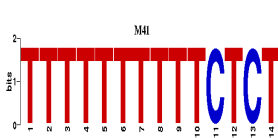


MA0049.1\_hb 1.3259e-03

-TTTTTTTTTTTTTAAT  
NTTTTTNYKS-----



**M41**



*forward*



*reverse compliment*

*Name*


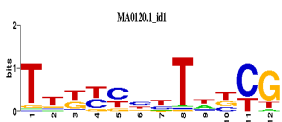
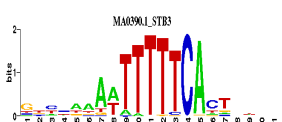





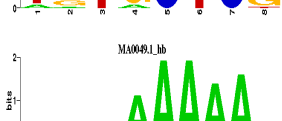
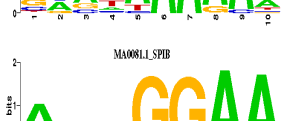
*E value*

*Alignment*

*Motif*

Stamp Results

04/30/14

MA0277.1_AZF1	3.4658e-08	TTTTTTTTTCTCT TTTCTTTTT-----	
MA0120.1_id1	2.8559e-06	AGAGAAAAAAAAA --CGNNANRRMNA	
MA0390.1_STB3	2.1373e-04	----AGAGAAAAAAAAA---- NNNNANTGAAAAAWTNNNNNN	
MA0287.1_CUP2	2.2067e-04	AGAGAAAAAAAAA -CAGCARAAWG--	
MA0013.1_br_Z4	2.5470e-04	TTTTTTTTTCTCT --WTWNTTACTA-	
MA0041.1_Foxd3	3.0197e-04	--TTTTTTTTTCTCT NAWIGTTTNTT----	
MA0010.1_br_Z1	6.7818e-04	--TTTTTTTTTCTCT NWYTTGTYTATNAN--	
MA0326.1_MAC1	6.8509e-04	AGAGAAAAAAAAA YGAGCAA-----	
MA0049.1_hb	7.5470e-04	-TTTTTTTTTCTCT NTTTTNYKS-----	
MA0081.1_SPIB	8.8987e-04	TTTTTTTTTCTCT -----TTCKST	











M55



*forward*



*reverse complement*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0388.1_SPT23	3.8422e-06	TCTTCATTTTT --TTSATTTY-	
MA0137.1_STAT1	9.2629e-06	-AAAAATGAAGA-- RGAAANNGAACTN	
MA0277.1_AZF1	1.4624e-05	TCTTCATTTTT -TTCITTTTT-	
MA0082.1_squamosa	4.1763e-05	-TCTTCATTTTT-- NTTNCYATWTWGK	
MA0045.1_HMG-I_Y	7.4905e-05	---TCTTCATTTTT-- RTTYKYNNTTNTNN	
MA0050.1_IRF1	1.2237e-04	-TCTTCATTTTT GGTTTCRNNTTN	
MA0459.1_tll	1.3000e-04	AAAAATGAAGA AAAAGTCAAM-	
MA0235.1_onecut	3.5428e-04	AAAAATGAAGA --NAATCAA--	
MA0371.1_ROX1	7.5842e-04	---AAAAATGAAGA GAGAACAATNGR--	
MA0287.1_CUP2	1.0553e-03	----AAAAATGAAGA CAGCARAAWG----	

M59



*forward*

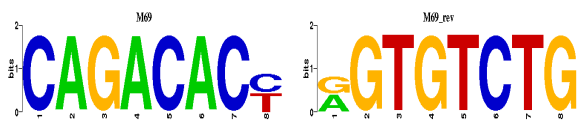


*reverse compliment*










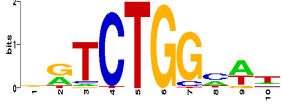

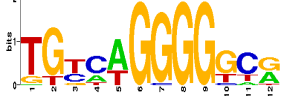
Name	E value	Alignment	Motif
MA0073.1_RREB1	7.2097e-05	TGTGTGTGTGTGTGTGTGTGTGTGTG NGKKKGKGGGTGKTTTGGG-----	
MA0359.1_RAP1	8.5530e-05	TGTGTGTGTGTGTGTGTGTGTGTGTG TGTATGGGTG-----	
MA0327.1_MATA1	4.7919e-02	--TGTGTGTGTGTGTGTGTGTGTGTG ATTGTGY-----	
MA0162.1_Egr1	4.8299e-02	CACACACACACACACACACACACA -MCGCCACGCN-----	
MA0068.1_Pax4	5.1026e-02	-----CACACACACACACACACACACA AWWWNNMNNNNNNNNNNMNNNNNYMC----	
MA0041.1_Foxd3	7.9651e-02	CACACACACACACACACACACACA -AAANAAACAWTN-----	
MA0332.1_MET28	9.0992e-02	-CACACACACACACACACACACACA CCACAG-----	
MA0045.1_HMG-I_Y	1.2509e-01	TGTGTGTGTGTGTGTGTGTGTGTGTG -RTTYKNYNTTNTNN-----	
MA0288.1_CUP9	1.2585e-01	--TGTGTGTGTGTGTGTGTGTGTGTG WWGTGTCA-----	
MA0270.1_AFT2	1.3015e-01	TGTGTGTGTGTGTGTGTGTGTGTGTG NGGGTGTN-----	

M69

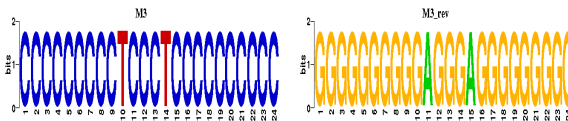


forward

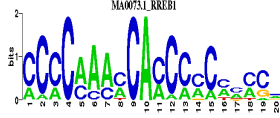
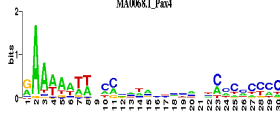
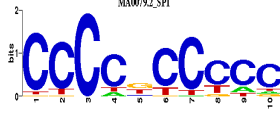



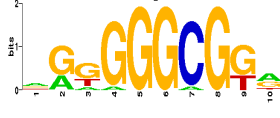
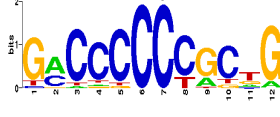


*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0271.1_ARG80	2.0367e-04	RGTGTCTG -GNGTCW-	
MA0204.1_Six4	1.1412e-03	RGTGTCTG -GTNTCA-	
MA0288.1_CUP9	2.2995e-03	--RGTGTCTG WWTGTGTCA-	
MA0373.1_RPN4	3.0016e-03	CAGACACY -CGCCACC	
MA0252.1_vis	6.3420e-03	RGTGTCTG -NTGTCA-	
MA0207.1_achi	6.3698e-03	RGTGTCTG -CTGTCA-	
MA0270.1_AFT2	6.5716e-03	--RGTGTCTG NGGGTGTN--	
MA0092.1_Hand1_T	6.9255e-03	----CAGACACY NWNCCAGAYN--	
MA0227.1_hth	7.0462e-03	CAGACACY -TGACAG-	
MA0155.1_INSM1	1.0245e-02	-----CAGACACY YGCCCCCTGRCA--	

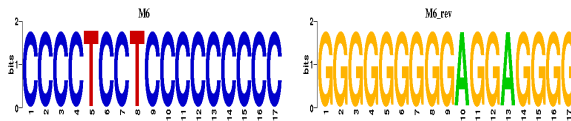
**M3**





	<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----- --GKRNNNNKNNNNNNNNNNNNKNNWWWTWTY	
MA0079.2_SP1	1.4226e-08	CCCCCCCCCTCCCTCCCCCCCCC -----CCCNCCCC	
MA0149.1_EWSR1-FLI1	6.1658e-06	CCCCCCCCCTCCCTCCCCCCCCC -----CCTTCCTTCCTTCCTTC	
MA0366.1_RGM1	9.1437e-05	CCCCCCCCCTCCCTCCCCCCCCC -----CCCT-----	
MA0342.1_MSNA	9.5799e-05	GGGGGGGGGGAGGGAGGGGGGGGG -----AGGG-----	
MA0443.1_btd	1.1076e-04	CCCCCCCCCTCCCTCCCCCCCCC -----YCCGCCMCN-	
MA0456.1_opa	1.4927e-04	GGGGGGGGGGAGGGAGGGGGGGGG- -----CNGCGGGGGGKC	
MA0341.1_MSNA	2.2379e-04	GGGGGGGGGGAGGGAGGGGGGGGG -----AGGG-----	
MA0163.1_PLA1	6.7468e-04	GGGGGGGGGGAGGGAGGGGGGGGG -----GGGCCNAAGGGG-----	

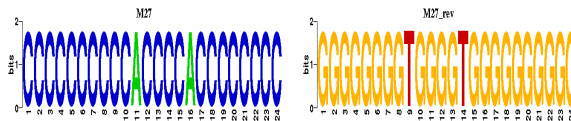
**M6**

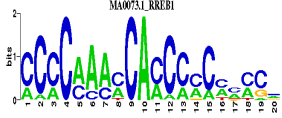
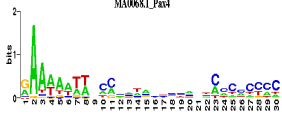
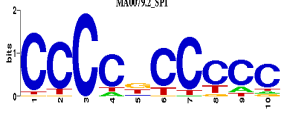
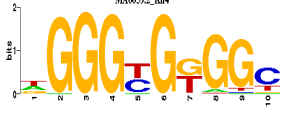





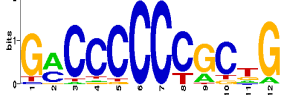




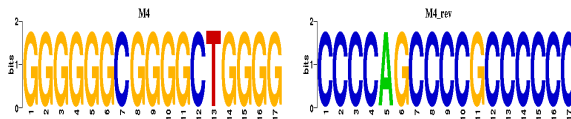
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	9.1149e-14	GGGGGGGGGAGGGGGMGGGGGGGG -----GGGGNGGGG-----	
MA0068.1_Pax4	2.7170e-09	GGGGGGGGGAGGGGGMGGGGGGGG----- -GKRNNNNKNNNNNNNNNNNNKNNWWWTTTY	
MA0073.1_RREB1	5.9799e-08	-GGGGGGGGGAGGGGGMGGGGGGGG NGKKKGKGGGTGKTTTGGGG-----	
MA0443.1_btd	1.0377e-05	GGGGGGGGGAGGGGGMGGGGGGGG -----NGKGGGCGGR-----	
MA0366.1_RGM1	9.1437e-05	CCCCCCCCCKCCCCCTCCCCCCCCC -----CCCCT-----	
MA0342.1_MS4	9.5799e-05	GGGGGGGGGAGGGGGMGGGGGGGG -----AGGGG-----	
MA0163.1_PLA1	1.2535e-04	CCCCCCCCCKCCCCCTCCCCCCCCC -----CCCCTTNGGCCCC-	
MA0456.1_opa	1.4424e-04	GGGGGGGGGAGGGGGMGGGGGGGG -----CNGCGGGGGKGC	
MA0341.1_MS2	2.2379e-04	GGGGGGGGGAGGGGGMGGGGGGGG -----AGGGG-----	
MA0057.1_MZF1_5-13	8.9857e-04	CCCCCCCCCKCCCCCTCCCCCCCCC -----NTNCCCTMN-----	

**M27**

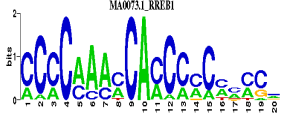
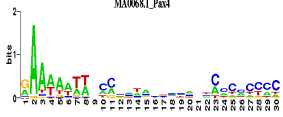
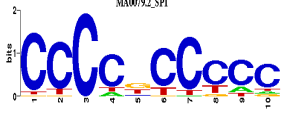
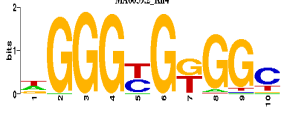

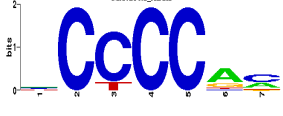



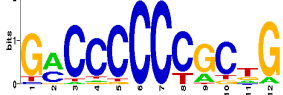


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	3.7748e-15	--GGGGGGGGTGGGGTGGGGGGGGGG NGKKKGKGGGTGKTTTGGGG-----	
MA0068.1_Pax4	6.5395e-11	--GGGGGGGGTGGGGTGGGGGGGGGG---- GKRNNNNKNNNNNNNNNNNNKNNWWWTTTY	
MA0079.2_SP1	1.4226e-08	CCCCCCCCCACCACCCCCCCC CCCNCCCC-----	
MA0039.2_Klf4	4.4242e-05	CCCCCCCCCACCACCCCCCCC -----GCCMCRCCN-----	
MA0436.1_YPR022C	6.3182e-05	GGGGGGGGTGGGGTGGGGGGGGGG -----NGTGGGG-----	
MA0268.1_ADR1	1.9774e-04	GGGGGGGGTGGGGTGGGGGGGGGG -----KTGGGGN-----	
MA0373.1_RPN4	5.4283e-04	GGGGGGGGTGGGGTGGGGGGGGGG -----GGTGGCG-----	
MA0450.1_hkb	5.5168e-04	CCCCCCCCCACCACCCCCCCC -----TCACGCCM--	
MA0079.1_SP1	1.0600e-03	CCCCCCCCCACCACCCCCCCC-- -----ACCCNGCCNN	
MA0456.1_opa	1.2723e-03	GGGGGGGGTGGGGTGGGGGGGGGG -----CNGCGGGGGK--	

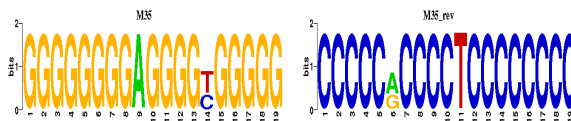
M4





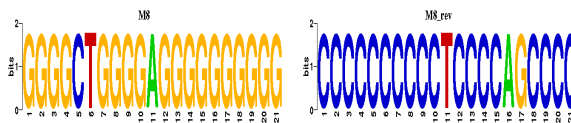
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	3.1086e-15	GGGGGGGGTGGGGGTGGGGGGGGG ----NGKKKGKGGGTGKTTTGGGG	
MA0068.1_Pax4	7.4568e-10	GGGGGGGGTGGGGGTGGGGGGGGG----- ----GKRNNNNKNNNNNNNNNNKNNWWWTTWTTY	
MA0079.2_SP1	1.4839e-07	CCCCCCCCACCCCCACCCCCCCC ----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-	

**M35**



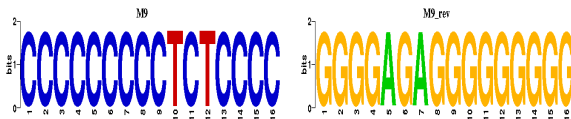
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.2236e-12	GGGGGGGAGGGGYGGGG ---GGGGNGGGG-----	
MA0073.1_RREB1	3.7583e-12	-GGGGGGGAGGGGYGGGG NGKKKGKGGGTGKTTTGGGG	
MA0068.1_Pax4	1.8481e-10	--GGGGGGGAGGGGYGGGG----- GKRNNNNKNNNNNNNNNNKNNWWWTWT Y	
MA0039.2_Klf4	1.8174e-06	CCCCRCCCCCTCCCCCCC GCCMCRCN-----	
MA0443.1_btd	3.9287e-05	CCCCRCCCCCTCCCCCCC- -----YCCGCCMCN	
MA0339.1_MIG3	4.8083e-05	GGGGGGGAGGGGYGGGG -----NGYGGG-	
MA0366.1_RGM1	5.2311e-05	CCCCRCCCCCTCCCCCCC -----CCCCT-----	
MA0342.1_MSN4	5.4844e-05	GGGGGGGAGGGGYGGGG -----AGGG-----	
MA0338.1_MIG2	6.1606e-05	GGGGGGGAGGGGYGGGG -----NGYGGG-	
MA0337.1_MIG1	6.5107e-05	GGGGGGGAGGGGYGGGG -----SYGGGN	

M8



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	7.8955e-09	CCCCCCCCCTCCCCAGCCCC CCCCNCCCC-----	
MA0073.1_RREB1	2.0386e-06	GGGGCTGGGGAGGGGGGGGG NGKKKGKGGGTGKTTTGGGG-	
MA0344.1_NHP10	8.9552e-06	CCCCCCCCCTCCCCAGCCCC -----TCCCCGN---	
MA0068.1_Pax4	1.1427e-05	GGGGCTGGGGAGGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTY	
MA0366.1_RGM1	6.9890e-05	CCCCCCCCCTCCCCAGCCCC -----CCCCT-----	
MA0342.1_MSN4	7.3228e-05	GGGGCTGGGGAGGGGGGGGG -----AGGGG-----	
MA0456.1_opa	7.9969e-05	GGGGCTGGGGAGGGGGGGGG -----CNGCGGGGGK	
MA0341.1_MSN2	1.7139e-04	GGGGCTGGGGAGGGGGGGGG -----AGGGG-----	
MA0056.1_MZF1_1-4	9.0521e-04	CCCCCCCCCTCCCCAGCCCC -----TCCCN-----	
MA0443.1_btd	9.3652e-04	CCCCCCCCCTCCCCAGCCCC YCCGCCMCN-----	

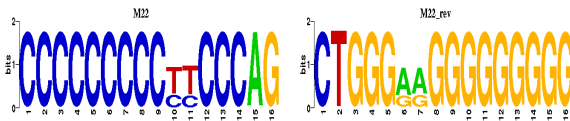
**M9**





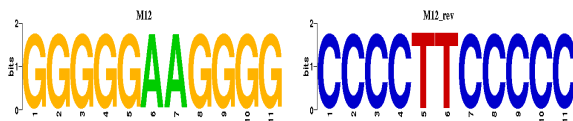
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.3750e-08	CCCCCCCCCTCTCCCC -----CCCNCCCC--	
MA0073.1_RREB1	7.7756e-06	----GGGGAGAGGGGGGGGG NGKKKGKGGGTGKTTTGGG	
MA0456.1_opa	9.6249e-06	GGGGAGAGGGGGGGGG ---CNGCGGGGGGKC-	
MA0068.1_Pax4	1.7784e-05	--GGGGAGAGGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTY	
MA0366.1_RGM1	3.6566e-05	CCCCCCCCCTCTCCCC -----CCCT-----	
MA0342.1_MSN4	3.8326e-05	GGGGAGAGGGGGGGGG -----AGGGG-----	
MA0341.1_MSN2	9.0391e-05	GGGGAGAGGGGGGGGG -----AGGGG-----	
MA0443.1_btd	3.2598e-04	CCCCCCCCCTCTCCCC YCCGCCMCN-----	
MA0056.1_MZF1_1-4	4.0138e-04	CCCCCCCCCTCTCCCC- -----TCCCN	
MA0163.1_PLAG1	7.5042e-04	-GGGGAGAGGGGGGGGG GGGGCCNAAGGGG---	

**M22**



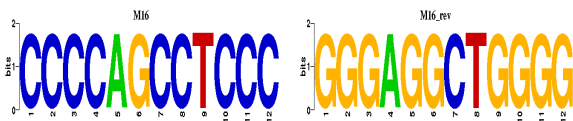
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	6.7333e-07	CTGGGAAGGGGGGGG -----GGGGNNGGGG	
MA0341.1_MSN2	3.4848e-05	CCCCCCCCCTTCCCAG -----CCCCT-----	
MA0342.1_MSN4	4.7979e-05	CTGGGAAGGGGGGGG -----AGGGG-----	
MA0456.1_opa	6.6377e-05	CTGGGAAGGGGGGGG- -----CNGCGGGGGGKC	
MA0366.1_RGM1	9.0665e-05	CCCCCCCCCTTCCCAG -----CCCCT-----	
MA0068.1_Pax4	9.6855e-05	CTGGGAAGGGGGGGG----- ---GKRNNNNKNNNNNNNNNNKNNWWWTTTY	
MA0323.1_IXR1	1.6168e-04	CCCCCCCCCTTCCCAG-- ---CMCCGCTTCCGYTT	
MA0443.1_btd	3.2598e-04	CCCCCCCCCTTCCCAG YCCGCCMCN-----	
MA0073.1_RREB1	2.7518e-03	CCCCCCCCCTTCCCAG---- CCCCAAAMCACCCMCMNCN	
MA0080.1_SPI1	2.7910e-03	CCCCCCCCCTTCCCAG -----STCCN---	

M12



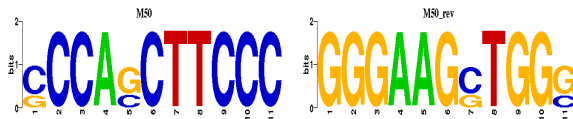
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.4192e-10	CCCCTTCCCC CCCCNCCCCC-	
MA0366.1_RGM1	1.0406e-05	CCCCTTCCCC CCCCT-----	
MA0342.1_MS4	1.0929e-05	GGGGGAAGGGG -----AGGGG	
MA0341.1_MS2	2.6803e-05	GGGGGAAGGGG -----AGGGG	
MA0065.2_PPARG_RXRA	3.8011e-05	--GGGGGAAGGGG-- NNRGGNCAAAGGKCA	
MA0068.1_Pax4	6.9262e-05	-----CCCCTTCCCC-- RAAWAWWWNNMNNNNNNNNNNNNMNNNNNYMC	
MA0056.1_MZF1_1-4	1.1914e-04	CCCCTTCCCC -----TCCCCN	
MA0163.1_PLA1	2.3997e-04	-CCCCTTCCCC-- CCCCCTTNGGCCCC	
MA0080.1_SPI1	2.4265e-04	CCCCTTCCCC ---STTCN--	
MA0039.1_Klf4	4.0315e-04	CCCCTTCCCC- --CCTTYYYTTN	

**M16**



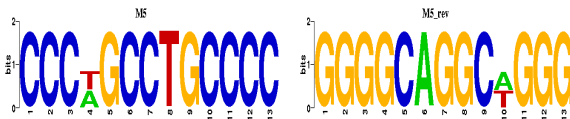
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	7.1222e-07	GGGAGGCTGGGG -GGGGNGGGG-	
MA0073.1_RREB1	4.2803e-05	-CCCCAGCCTCCC----- CCCCAAMCACCCMCMMMCNC	
MA0344.1_NHP10	3.2079e-04	GGGAGGCTGGGG- -----NCCGGGGA	
MA0332.1_MET28	1.1280e-03	CCCCAGCCTCCC CCACAG-----	
MA0039.2_Klf4	1.2795e-03	-CCCCAGCCTCCC GCCMCRCNCN---	
MA0088.1_znf143	1.3142e-03	----CCCCAGCCTCCC---- NNNNTCCCAKNTKCMNNGM	
MA0068.1_Pax4	1.3433e-03	-----CCCCAGCCTCCC---- RAAWAWWWNNMNNNNNNNNNNMNNNNNYMC	
MA0267.1_ACE2	1.6178e-03	GGGAGGCTGGGG ----NGCTGGN-	
MA0268.1_ADR1	1.8944e-03	GGGAGGCTGGGG- -----KTGGGGN	
MA0436.1_YPR022C	1.9463e-03	GGGAGGCTGGGG -----NGTGGGG	

**M50**



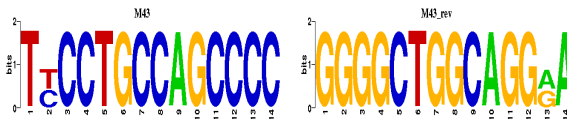
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0323.1_IXR1	2.8996e-06	CCCAGCTTCCC---- CMCCGCTTCCGGYTT	
MA0305.1_GCR2	4.9328e-06	CCCAGCTTCCC ----GCTTCN	
MA0304.1_GCR1	1.4736e-04	CCCAGCTTCCC ---GGCTTCCA	
MA0080.1_SPI1	2.4265e-04	CCCAGCTTCCC -----STTCN	
MA0080.2_SPI1	1.1459e-03	CCCAGCTTCCC ----ACTTCCT	
MA0079.2_SP1	1.3835e-03	GGGAAGCTGGG -GGGGNGGGG	
MA0026.1_Eip74EF	1.7577e-03	CCCAGCTTCCC- -----YTTCCGG	
MA0164.1_Nr2e3	1.8169e-03	GGGAAGCTGGG ---AAGCTN-	
MA0048.1_NHLH1	1.9338e-03	-CCCAGCTTCCC NCGCAGCTGCGN	
MA0267.1_ACE2	2.0770e-03	GGGAAGCTGGG ----NGCTGGN	

M5



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0088.1_znf143	1.9614e-04	-----CCCWGCCTGCCCC-- NNNNTCCCAKNNTKCMNNGM	
MA0079.2_SP1	3.6272e-04	-GGGGCAGGCWGGG GGGGNGGGG-----	
MA0112.2_ESR1	4.5698e-04	-----CCCWGCCTGCCCC NNNNNAGGTCANNNTGACCY	
MA0140.1_Tal1_Gata1	2.5949e-03	---CCCWGCCTGCCCC-- NTTATCTNNNNNNNNNCNN	
MA0123.1_abi4	2.6698e-03	-GGGGCAGGCWGGG NGNNGCRSCG-----	
MA0149.1_EWSR1-FLI1	2.8138e-03	-----GGGGCAGGCWGGG GGAAGGAAGGAAGGAAGG-	
MA0340.1_MOT3	2.8321e-03	GGGGCAGGCWGGG ----NAGGYA---	
MA0079.1_SP1	3.5126e-03	-CCCWGCCTGCCCC ACCCNGCCNN-----	
MA0443.1_btd	4.6646e-03	--GGGGCAGGCWGGG NGKGGGCGGR-----	
MA0341.1_MSN2	8.5409e-03	-GGGGCAGGCWGGG AGGGG-----	

**M43**



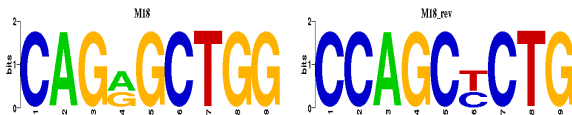
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	5.4855e-04	-GGGGCTGGCAGGRA GGGGGNGGGG-----	
MA0149.1_EWSR1-FLI1	7.0442e-04	--GGGGCTGGCAGGRA-- GGAAGGAAGGAAGGAAGG	
MA0156.1_FEV	9.2039e-04	--TYCCTGCCAGCCCC AYTTCCTG-----	
MA0144.1_Stat3	1.5273e-03	-TYCCTGCCAGCCCC CTTCNGGAA-----	
MA0092.1_Hand1_T	1.8624e-03	TYCCTGCCAGCCCC ---NWNCCAGAYN-	
MA0207.1_achi	2.0531e-03	TYCCTGCCAGCCCC ---CTGTCA-----	
MA0290.1_DAL81	2.4901e-03	-TYCCTGCCAGCCCC----- AATCCCGCCCCGCGGCTTTT	
MA0267.1_ACE2	2.6133e-03	GGGGCTGGCAGGRA --NGCTGN-----	
MA0227.1_hth	3.8469e-03	TYCCTGCCAGCCCC ---CTGTCA-----	
MA0304.1_GCR1	5.7999e-03	GGGGCTGGCAGGRA --GGCTTCCA-----	

**M14**



	<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 GGGGNGGGG	
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	

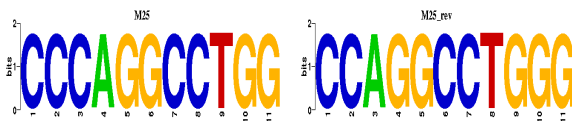
M18





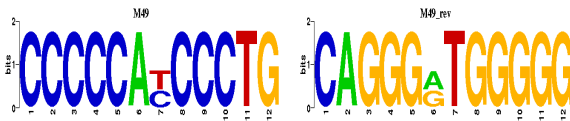
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0267.1_ACE2	3.9729e-04	CAGRGCTGG-- ---NGCTGGN	
MA0145.1_Tcfcp211	5.7205e-04	-----CAGRGCTGG CYGGNTNNRNCYGG	
MA0402.1_SWI5	1.5039e-03	CAGRGCTGG-- ---TGCTGGTN	
MA0403.1_TBF1	3.9036e-03	CCAGCYCTG-- --ARCCCTAN	
MA0276.1_ASH1	4.8551e-03	CCAGCYCTG-- CCYGATNYGG	
MA0364.1_REI1	5.8312e-03	-CAGRGCTGG NCAGGGG---	
MA0079.2_SP1	1.2901e-02	CAGRGCTGG-- GGGGGNGGGG	
MA0048.1_NHLH1	1.9824e-02	--CCAGCYCTG-- NCGCAGCTGCGN	
MA0451.1_kni	2.4076e-02	CCAGCYCTG---- -NTGCTCTANTTT	
MA0335.1_MET4	2.6353e-02	-CAGRGCTGG CCACAGNT--	

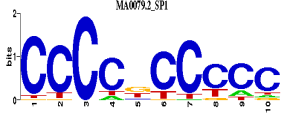


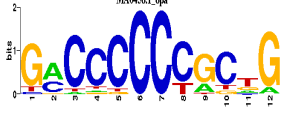



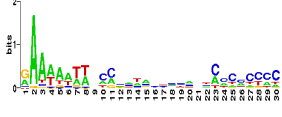
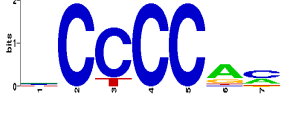

M25



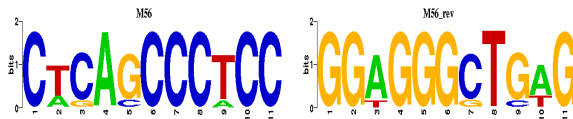
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0146.1_Zfx	4.7836e-06	CCAGGCCTGGG---- -NAGGCCNNGGCNNN	
MA0344.1_NHP10	1.9410e-04	-CCCAGGCCTGG TCCCCGN-----	
MA0106.1_TP53	2.5271e-04	-----CCCAGGCCTGG----- ACATGCCCGGGCATGTCCNN	
MA0162.1_Egr1	6.4520e-03	CCAGGCCTGGG--- ---NGCGTGGGCGK	
MA0003.1_TFAP2A	8.6302e-03	-CCCAGGCCTGG SCNNNNGGC---	
MA0276.1_ASH1	9.4323e-03	CCCAGGCCTGG -CCYGATNYGG	
MA0154.1_EBF1	1.0549e-02	CCAGGCCTGGG-- ---TCCCTNGGGN	
MA0358.1_PUT3	1.6105e-02	AGGCCTGGG-- ---CCCGGGNN	
MA0116.1_Zfp423	1.7238e-02	CCAGGCCTGGG---- GNMMCCYTRGGKSC	
MA0086.1_sna	1.9814e-02	CCCAGGCCTGG ----CACCTG-	


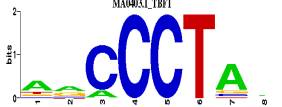
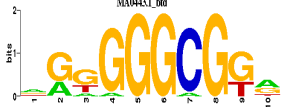

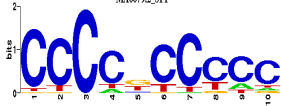
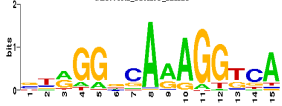




M49



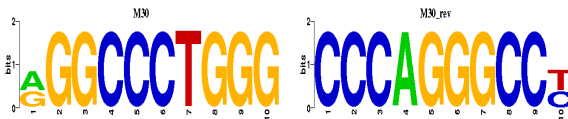
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.0975e-05	CAGGGRTGGGGG -GGGGNGGGG-	
MA0039.2_Klf4	1.8305e-05	CCCCAYCCCTG GCCMCRCNN--	
MA0364.1_REI1	7.0880e-05	-CAGGGRTGGGGG NCAGGGG-----	
MA0456.1_opa	9.9617e-05	CAGGGRTGGGGG CNGCGGGGGGKC	
MA0436.1_YPR022C	1.1811e-04	CAGGGRTGGGGG ----NGTGGGG-	
MA0366.1_RGM1	2.7482e-04	CCCCAYCCCTG -----CCCCT-	
MA0342.1_MSNA	4.3797e-04	CCCCAYCCCTG -----CCCCT-	
MA0068.1_Pax4	5.7353e-04	CAGGGRTGGGGG----- --GKRNNNNKNNNNNNNNNNKNNWWWTTTY	
MA0268.1_ADR1	6.2986e-04	CAGGGRTGGGGG ----KTGGGGN	
MA0373.1_RPN4	8.5638e-04	CAGGGRTGGGGG ----GGTGCC-	


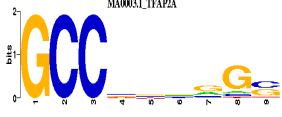
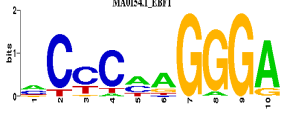




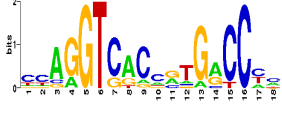

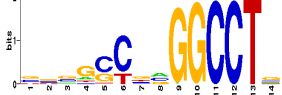
**M56**



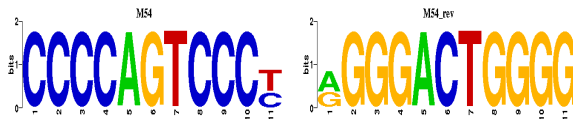
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0283.1_CHA4	9.2380e-04	-CTCAGCCCTCC NCTCCGCC----	
MA0403.1_TBF1	1.4226e-03	GGAGGGCTGAG NTAGGGYT---	
MA0443.1_btd	1.6463e-03	CTCAGCCCTCC -YCCGCCCMCN	
MA0150.1_NFE2L2	2.9954e-03	----CTCAGCCCTCC RTGACWNAGCA----	
MA0079.2_SP1	3.3406e-03	CTCAGCCCTCC CCCCNCCCC-	
MA0065.2_PPARG_RXRA	5.1673e-03	GGAGGGCTGAG---- NNRGGNCAAAGGKCA	
MA0090.1_TEAD1	5.9537e-03	CTCAGCCCTCC- YACATTCCWSNG	
MA0366.1_RGM1	6.0248e-03	GGAGGGCTGAG --AGGGG----	
MA0342.1_MSN4	7.1397e-03	CTCAGCCCTCC ----CCCCT--	
MA0450.1_hkb	7.1968e-03	CTCAGCCCTCC -TCACGCCM-	

**M30**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0163.1_PLAG1	2.1210e-06	---CCCAGGGCCY- CCCCCTTNGGCCCC	
MA0003.1_TFAP2A	5.1323e-06	-CCCAGGGCCY SCNNNNNGGC--	
MA0154.1_EBF1	5.4275e-05	RGGCCCTGGG-- --TCCCTNGGGN	
MA0364.1_REI1	6.7413e-04	CCCAGGGCCY -NCAGGGG--	
MA0116.1_Zfp423	9.7057e-04	-RGGCCCTGGG---- GNMMCCYTRGGKSC	
MA0366.1_RGM1	4.0551e-03	CCCAGGGCCY ---AGGGG--	
MA0342.1_MSN4	4.4538e-03	RGGCCCTGGG --CCCCT--	
MA0112.1_ESR1	6.9544e-03	-RGGCCCTGGG----- NNGGYCANNGTGACCTNN	
MA0341.1_MSN2	7.9752e-03	CCCAGGGCCY ---AGGGG--	
MA0146.1_Zfx	9.2944e-03	-RGGCCCTGGG--- NAGCCNNGGCNNN	

M54



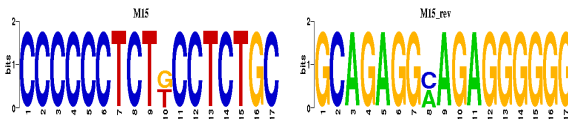
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.2879e-05	RGGGACTGGGG GGGGNGGGG-	
MA0335.1_MET4	4.4498e-04	CCCAGTCCCY CCACAGNT---	
MA0332.1_MET28	8.0586e-04	CCCAGTCCCY CCACAG-----	
MA0068.1_Pax4	1.1100e-03	-----CCCAGTCCCY----- RAAWAWWWNNMNNNNNNNNNNNNMNNNNNYMC	
MA0268.1_ADR1	1.2919e-03	RGGGACTGGGG- -----KTGGGGN	
MA0436.1_YPR022C	1.3287e-03	RGGGACTGGGG ----NGTGGGG	
MA0056.1_MZF1_1-4	3.7983e-03	CCCAGTCCCY- -----TCCCCN	
MA0337.1_MIG1	5.0070e-03	RGGGACTGGGG- -----SYGGGGN	
MA0364.1_REI1	5.1630e-03	RGGGACTGGGG ----NCAGGGG	
MA0323.1_IXR1	5.3943e-03	CCCAGTCCCY---- CMCCGCTTCCGGYTT	

**M10**



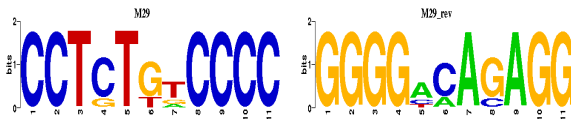
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.2882e-04	GGAGGCAGAG GGGGGNGGGG	
MA0140.1_Tal1_Gata1	1.3465e-04	---CTCTGCCTCC--- NTTATCTNNNNNNNNC	
MA0283.1_CHA4	2.2440e-04	-CTCTGCCTCC NCTCCGCC---	
MA0443.1_btd	4.4753e-04	CTCTGCCTCC- -YCCGCCCMCN	
MA0065.2_PPARG_RXRA	6.6258e-04	---CTCTGCCTCC- TGMCCTTGNCCYNN	
MA0340.1_MOT3	8.8002e-04	CTCTGCCTCC ---TRCCN-	
MA0062.1_GABPA	3.0392e-03	CTCTGCCTCC SNCTTCCGGT	
MA0099.2_AP1	3.8116e-03	GGAGGCAGAG TGAGTCA---	
MA0080.2_SPI1	3.8906e-03	CTCTGCCTCC -ACTTCT--	
MA0305.1_GCR2	4.1635e-03	-GGAGGCAGAG NGGAAGC----	

M15



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0456.1_opa	5.5007e-06	GCAGAGGMAGAGGGGGG-- -----CNGCGGGGGGKC	
MA0081.1_SPIB	9.8691e-06	CCCCCTCTKCCTCTGC -----TTCKST--	
MA0366.1_RGM1	3.9066e-05	CCCCCTCTKCCTCTGC --CCCCT-----	
MA0342.1_MSN4	4.0964e-05	GCAGAGGMAGAGGGGGG -----AGGGG--	
MA0062.1_GABPA	8.5059e-05	CCCCCTCTKCCTCTGC ----SNCTTCCGGT--	
MA0341.1_MSN2	9.7353e-05	GCAGAGGMAGAGGGGGG -----AGGGG--	
MA0079.2_SP1	1.5216e-04	CCCCCTCTKCCTCTGC --CCCNCCCC-----	
MA0163.1_PLAG1	2.5908e-04	GCAGAGGMAGAGGGGGG ---GGGGCCNAAGGGG	
MA0080.2_SPI1	3.1230e-04	CCCCCTCTKCCTCTGC -----ACTTCT----	
MA0057.1_MZF1_5-13	1.1711e-03	GCAGAGGMAGAGGGGGG-- -----NKAGGGGNAN	

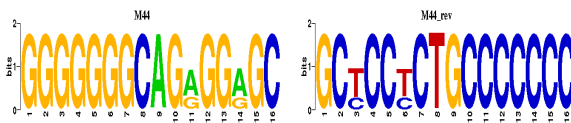
M29





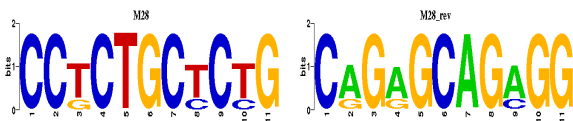
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.1_PPARG_RXRA	5.3373e-06	-----CCTCTGTCCCC--- NNNTGACCTTTGACCYCNNN	
MA0140.1_Tal1_Gata1	8.1983e-06	--CCTCTGTCCCC----- NTTATCTNNNNNNNNNCNN	
MA0056.1_MZF1_1-4	2.0349e-04	CCTCTGTCCCC- -----TCCCCN	
MA0163.1_PLAG1	3.0897e-04	---CCTCTGTCCCC CCCCCTTNGGCCCC	
MA0065.2_PPARG_RXRA	3.8172e-04	---CCTCTGTCCCC- TGMCCCTTGNCYNN	
MA0207.1_achi	3.9862e-04	CCTCTGTCCCC ---CTGTCA--	
MA0227.1_hth	7.9451e-04	CCTCTGTCCCC ---CTGTCA--	
MA0079.2_SP1	1.0713e-03	GGGGACAGAGG GGGGNGGGG-	
MA0299.1_GAL4	1.3212e-03	--GGGGACAGAGG-- CGNANNANANYNNTC	
MA0016.1_usp	1.7192e-03	GGGGACAGAGG GGGGTCACNN-	

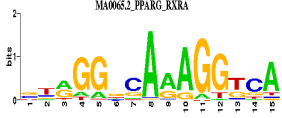

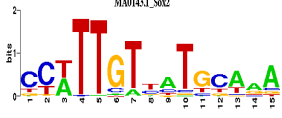


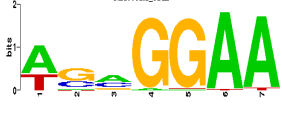
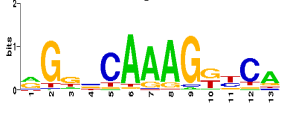
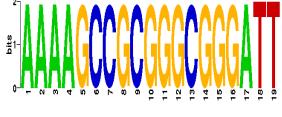


M44



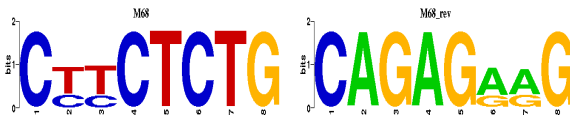
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0068.1_Pax4	3.2650e-08	GGGGGGGCAGAGGAGC----- GKRNNNNKNNNNNNNNNNKNNWWWTWTTY	
MA0079.2_SP1	1.0212e-06	GCTCCTCTGCCCCCCC ----CCCCNCCCCC--	
MA0140.1_Tal1_Gata1	5.6192e-06	GCTCCTCTGCCCCCCC--- -NTTATCTNNNNNNNNC	
MA0443.1_btd	6.4262e-06	GGGGGGGCAGAGGAGC -NGKGGGCGGR-----	
MA0065.2_PPARG_RXRA	1.1853e-05	GGGGGGGCAGAGGAGC -NNRGGNCAAAGGKCA	
MA0163.1_PLAG1	1.2355e-05	GCTCCTCTGCCCCCCC -CCCCCTTNGGCCCC-	
MA0456.1_opa	1.4822e-04	----GGGGGGGCAGAGGAGC CNGCGGGGGGKC-----	
MA0344.1_NHP10	5.5872e-04	GGGGGGGCAGAGGAGC -----NCCGGGGA--	
MA0081.1_SPIB	9.4206e-04	GCTCCTCTGCCCCCCC -TTCKST-----	
MA0283.1_CHA4	1.3513e-03	GCTCCTCTGCCCCCCC ---NCTCCGC-----	


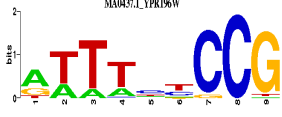

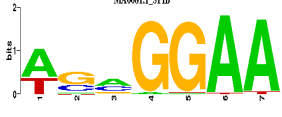



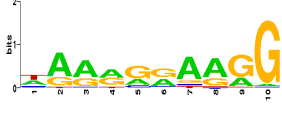


M28



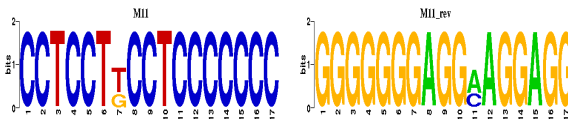
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.2_PPARG_RXRA	5.3757e-07	---CCTCTGCTCTG- TGMCCCTTGNCCYNN	
MA0326.1_MAC1	5.5394e-04	CCTCTGCTCTG --TTTGCTCR-	
MA0143.1_Sox2	1.9864e-03	CCTCTGCTCTG---- CCWTTGTNATGCANA	
MA0451.1_kni	2.6574e-03	CCTCTGCTCTG---- ---NTGCTCTANTTT	
MA0115.1_NR1H2_RXRA	4.9997e-03	-----CCTCTGCTCTG- STTGACCTTTGACCTTT	
MA0081.1_SPIB	5.0404e-03	--CCCTCTGCTCTG TTCKST-----	
MA0114.1_HNF4A	8.1192e-03	CAGAGCAGAGG--- -RGNNCAAAGKNCA	
MA0290.1_DAL81	8.2392e-03	-----CCTCTGCTCTG AATCCCGCCCGCGCTTTT	
MA00445.1_D	8.3536e-03	-CCTCTGCTCTG NCYATTGTNT-	
MA0364.1_REI1	8.9250e-03	CAGAGCAGAGG ----NCAGGGG	


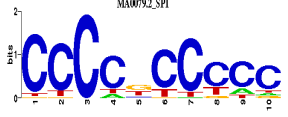


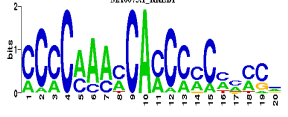
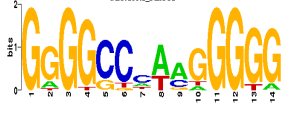

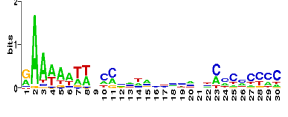
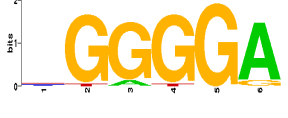
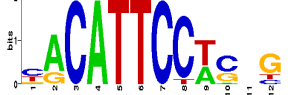
**M68**



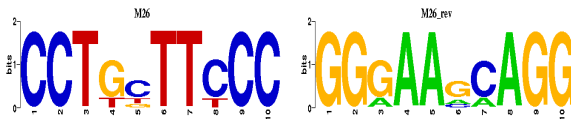
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0035.2_Gata1	8.4656e-04	--CTTCTCTG-- NNNTTATCTNN	
MA0437.1_YPR196W	1.8261e-03	CAGAGAAG-- CGGRNAAAT	
MA0287.1_CUP2	2.0832e-03	CTTCTCTG--- CWTTYTGCTG	
MA0081.1_SPIB	2.1422e-03	CTTCTCTG TTCKST--	
MA0289.1_DAL80	4.0028e-03	CTTCTCTG CTTATCG--	
MA0354.1_PDR8	4.9694e-03	CTTCTCTG-- -ATCTCCGN	
MA0029.1_Evi1	5.0740e-03	-----CTTCTCTG NNTTATCTTRTCTN	
MA0039.1_Klf4	5.1239e-03	-CTTCTCTG-- CCTYYTYTNN	
MA0432.1_YNR063W	5.7169e-03	CTTCTCTG-- -ATCTCCGA	
MA0370.1_RME1	7.1278e-03	CTTCTCTG-- TNCCTTTNNA	

**M11**



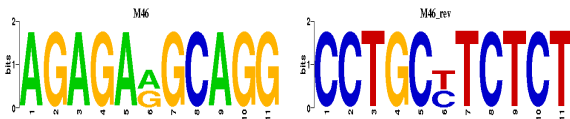
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	1.0425e-11	-CCTCCTTCCTCCCCCC CCTTCCTTCCTTCCTTCC	
MA0079.2_SPI	6.9688e-06	GGGGGGGAGGAAGGAGG --GGGGNGGGG-----	
MA0080.2_SPI1	6.8999e-05	CCTCCTTCCTCCCCCC ---ACTTCT-----	
MA0443.1_btd	1.5247e-04	CCTCCTTCCTCCCCCC -----YCCGCCMCN-	
MA0073.1_RREB1	1.7861e-04	---GGGGGGGAGGAAGGAGG NGKKKGKGGGTGKTTTGGGG	
MA0163.1_PLAG1	3.2047e-04	GGGGGGGAGGAAGGAGG ---GGGGCCNAAGGGGG	
MA0081.1_SPIB	3.3630e-04	CCTCCTTCCTCCCCCC -----TTCKST-----	
MA0068.1_Pax4	3.9146e-04	-----CCTCCTTCCTCCCCCC RAAWAWWWNNMNNNNNNNNNNMNNNNNYMC-	
MA0056.1_MZF1_1-4	5.3767e-04	CCTCCTTCCTCCCCCC -----TCCCN--	
MA0090.1_TEAD1	1.1869e-03	GGGGGGGAGGAAGGAGG ----CNSWGGAAATGTR-	

M26



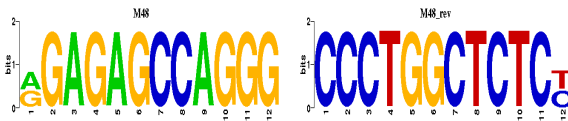
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0305.1_GCR2	3.4793e-06	GGGAAGCAGG NGGAAGC---	
MA0323.1_IXR1	2.2294e-05	-CCTGCTTCCC---- CMCCGCTTCCGGYTT	
MA0304.1_GCR1	2.5295e-05	CCTGCTTCCC --GGCTTCCA	
MA0080.1_SPI1	1.5945e-04	CCTGCTTCCC ----STCCN	
MA0111.1_Spz1	2.3146e-04	CCTGCTTCCC- GCTGWTACCT	
MA0417.1_YAP5	6.0322e-04	CCTGCTTCCC -ATGCTT---	
MA0260.1_che-1	7.0149e-04	GGGAAGCAGG --GAARCC--	
MA0149.1_EWSR1-FLI1	7.1540e-04	----CCTGCTTCCC---- CCTTCCTTCTTCTTCC	
MA0080.2_SPI1	8.1081e-04	CCTGCTTCCC ---ACTTCT	
MA0026.1_Eip74EF	1.0624e-03	CCTGCTTCCC- ----YTTCCGG	

M46



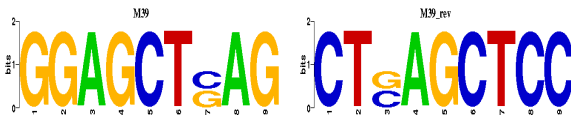
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0454.1_odd	1.9592e-04	CCTGCTCTCT- -NTGCTACTGTN	
MA0417.1_YAP5	6.7141e-04	AGAGARGCAGG ----AAGCAT-	
MA0039.1_Klf4	1.6848e-03	CCTGCTCTCT CCTYYTNTN-	
MA0149.1_EWSR1-FLI1	1.8270e-03	----CCTGCTCTCT- CCTTCCTTCCTTCCTTC	
MA0081.1_SPIB	3.4230e-03	CCTGCTCTCT --TTCKST--	
MA0305.1_GCR2	7.2252e-03	CCTGCTCTCT ---GCTTCN-	
MA0111.1_Spz1	7.7696e-03	CCTGCTCTCT GCTGWTACCCT	
MA0260.1_che-1	9.5591e-03	CCTGCTCTCT --GGYTTC---	
MA0371.1_ROX1	1.2291e-02	AGAGARGCAGG-- -GAGAACAATNGR	
MA0340.1_MOT3	1.2601e-02	CCTGCTCTCT --TRCCTN---	

**M48**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0371.1_ROX1	1.2636e-04	RGAGAGCCAGGG- -GAGAACAATNGR	
MA0344.1_NHP10	3.2079e-04	-CCCTGGCTCTCY TCCCCGGN-----	
MA0213.1_brk	6.5288e-04	RGAGAGCCAGGG --RGCGCCRS--	
MA0364.1_REI1	1.5812e-03	RGAGAGCCAGGG- -----NCAGGGG	
MA0155.1_INSM1	4.6217e-03	----CCCTGGCTCTCY YGCCCCCTGRCA----	
MA0099.1_Fos	7.0060e-03	CCCTGGCTCTCY ---TGANTCAC-	
MA0368.1_RIM101	7.0638e-03	RGAGAGCCAGGG ----YGCCAAG-	
MA0366.1_RGM1	7.1254e-03	RGAGAGCCAGGG- -----AGGGG	
MA0342.1_MSN4	7.7839e-03	-CCCTGGCTCTCY CCCCT-----	
MA0154.1_EBF1	1.2247e-02	RGAGAGCCAGGG- ---NCCCNAGGGA	

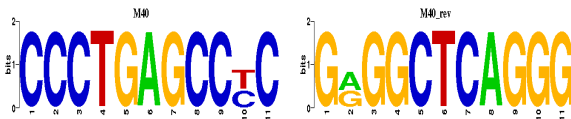
M39






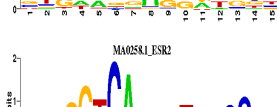

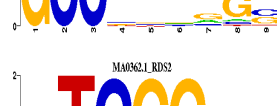






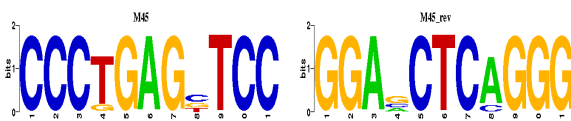
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0316.1_HAP5	9.3923e-05	----CTSAGCTCC-- ACCAATNAGMNNSSN	
MA0048.1_NHLH1	3.2284e-04	--GGAGCTSAG-- NCGCAGCTGCGN	
MA0138.1_REST	7.4545e-04	CTSAGCTCC----- -TCAGCACCWNGGACAGCNC	
MA0138.2_REST	1.1665e-03	-----GGAGCTSAG GNNGCTGTCNNGGTGCTGAN	
MA0354.1_PDR8	6.7987e-03	CTSAGCTCC-- ---ATCTCCGN	
MA0150.1_NFE2L2	1.2095e-02	GGAGCTSAG---- --TGCTNWGTCAY	
MA0432.1_YNR063W	1.3582e-02	CTSAGCTCC-- ---ATCTCCGA	
MA0430.1_YLR278C	1.6645e-02	CTSAGCTCC-- ---AACTCCGN	
MA0117.1_Mafb	1.7676e-02	GGAGCTSAG-- ---GCTGANNN	
MA0326.1_MAC1	2.0536e-02	GGAGCTSAG TTTGCTCR-	


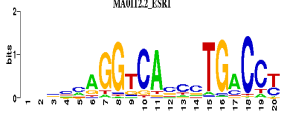


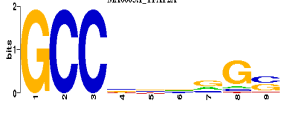
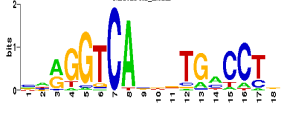




**M40**



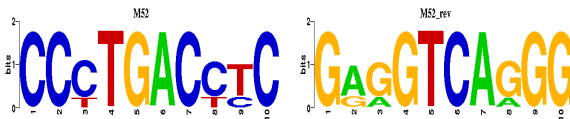
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0163.1_PLAG1	6.3469e-07	---CCCTGAGCCYC CCCCCTTNGGCCCC	
MA0364.1_REI1	1.0709e-03	GRGGCTCAGG-- -----NCAGGGG	
MA0112.2_ESR1	1.1967e-03	GRGGCTCAGG----- --RGGTCANNNTGACCTNNNNN	
MA0276.1_ASH1	2.0337e-03	CCCTGAGCCYC -CCYGATNYGG	
MA0065.2_PPARG_RXRA	2.0584e-03	--GRGGCTCAGG-- NNRGGNCAAAGGKCA	
MA0258.1_ESR2	2.8762e-03	-----CCCTGAGCCYC NAGGNCANNNTGACCYYN	
MA0003.1_TFAP2A	4.6224e-03	GRGGCTCAGG-- ---SCNNNNGGC	
MA0362.1_RDS2	5.5448e-03	GRGGCTCAGG ----NTCGGGG	
MA0366.1_RGM1	5.5788e-03	GRGGCTCAGG-- -----AGGGG	
MA0342.1_MS4	6.1085e-03	-CCCTGAGCCYC CCCCT-----	

M45



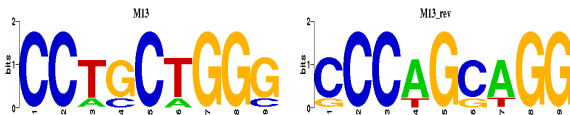
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0116.1_Zfp423	6.8049e-05	----CCCTGAGNTCC GNMMCCYTRGGKKS	
MA0112.2_ESR1	4.6880e-04	-----CCCTGAGNTCC NNNNNAGGTCANNNTGACCY--	
MA0163.1_PLAG1	8.6805e-04	---CCCTGAGNTCC CCCCCTTNGGCCCC	
MA0364.1_REI1	1.1314e-03	GGANCTCAGGG- -----NCAGGGG	
MA0003.1_TFAP2A	1.3398e-03	GGANCTCAGGG- ---SCNNNNGGC	
MA0258.1_ESR2	5.0586e-03	-----CCCTGAGNTCC NAGGNCANNNTGACCYNN	
MA0366.1_RGM1	5.8882e-03	GGANCTCAGGG- -----AGGGG	
MA0342.1_MSN4	6.8927e-03	-CCCTGAGNTCC CCCCT-----	
MA0362.1_RDS2	7.3317e-03	GGANCTCAGGG ----NTCGGGG	
MA0018.2_CREB1	1.0222e-02	GGANCTCAGGG TGACGTCA---	


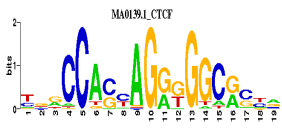

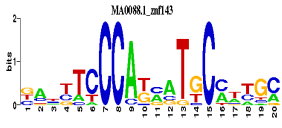

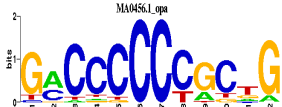
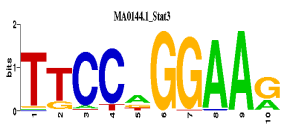

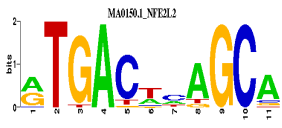

M52



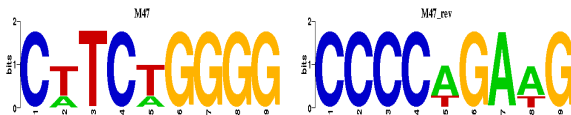
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0112.2_ESR1	7.8619e-10	GAGGTCAGGG----- -RGGTCANNNTGACCTNNNNN	
MA0258.1_ESR2	1.6231e-07	-----CCCTGACCTC- NAGGNCANNNTGACCYNN	
MA0066.1_PPARG	1.2410e-05	-----CCCTGACCTC- ANTRGGTCACNNTGACCTAN	
MA0160.1_NR4A2	3.5448e-05	CCCTGACCTC --GTGACCTT	
MA0065.1_PPARG_RXRA	4.3081e-05	---GAGGTCAGGG----- NNNGRGGTCAAAGGTCANNN	
MA0155.1_INSM1	5.9959e-05	----CCCTGACCTC YGCCCCCTGRCA--	
MA0112.1_ESR1	7.6744e-05	GAGGTCAGGG----- NNGGYCANNGTGACCTNN	
MA0018.2_CREB1	1.8266e-04	-GAGGTCAGGG TGACGTCA---	
MA0016.1_usp	2.0564e-04	CCCTGACCTC NNGTGACCCC	
MA0079.2_SP1	2.1458e-04	GAGGTCAGGG GGGGGNGGGG	

M13



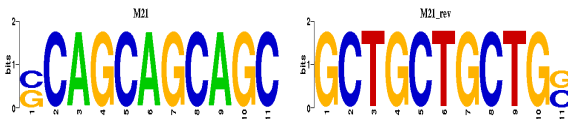
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0402.1_SWI5	1.4335e-05	CCTGCTGGG-- --TGCTGGTN	
MA0139.1_CTCF	6.5071e-05	--CCCAGCAGG----- YNNCCASYAGGKGGCRSNN	
MA0267.1_ACE2	6.0029e-04	CCTGCTGGG --NGCTGGN	
MA0088.1_znf143	8.0829e-04	-----CCTGCTGGG----- KCNNKGMANNMTGGGANNNN	
MA0055.1_Myf	1.4429e-03	CCCAGCAGG----- --CAGCAGYTGCYK	
MA0456.1_opa	1.6020e-03	-----CCTGCTGGG GMCCCCCGCNG--	
MA0144.1_Stat3	1.8701e-03	CCTGCTGGG-- CTTCNGGAA	
MA0048.1_NHLH1	3.1132e-03	-CCCAGCAGG-- NCGCAGCTGCGN	
MA0150.1_NFE2L2	3.6167e-03	CCTGCTGGG----- --TGCTNWTGTCAY	
MA0287.1_CUP2	6.5471e-03	----CCTGCTGGG CWTTTTGTCTG--	

M47



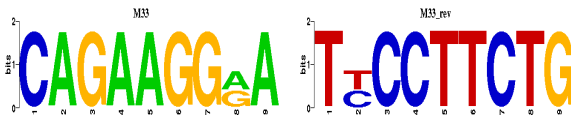
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0413.1_USV1	2.2152e-05	-----CTTCTGGGG----- NNNNNNTTCAGGGGKANNNN	
MA0155.1_INSM1	6.6995e-05	---CCCCAGAAG YGCCCCCTGRCA	
MA0026.1_Eip74EF	9.6231e-05	CTTCTGGGG YTCCGG--	
MA0364.1_REI1	3.2576e-04	CTTCTGGGG --NCAGGGG	
MA0076.1_ELK4	4.3899e-04	CCCCAGAAG-- -ACCGGAAGT	
MA0332.1_MET28	4.9217e-04	CCCCAGAAG CCACAG---	
MA0436.1_YPR022C	7.0545e-04	CTTCTGGGG --NGTGGGG	
MA0268.1_ADR1	7.5112e-04	CTTCTGGGG-- ---KTGGGGN	
MA0062.1_GABPA	1.4018e-03	--CTTCTGGGG SNCTTCCGGT-	
MA0275.1_ASG1	2.0325e-03	CCCCAGAAG --CCGGAW-	

M21



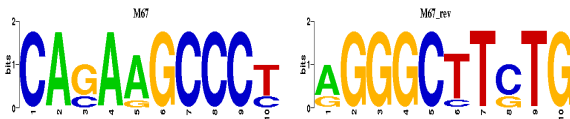
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	2.4917e-08	--GCTGCTGCTGS CAGCAGYTGCYK-	
MA0454.1_odd	2.8319e-06	GCTGCTGCTGS- -NTGCTACTGTN	
MA0048.1_NHLH1	1.0521e-04	SCAGCAGCAGC-- -NCGCAGCTGCGN	
MA0402.1_SWI5	3.1936e-04	GCTGCTGCTGS --TGCTGGTN-	
MA0287.1_CUP2	1.1271e-03	SCAGCAGCAGC- -CAGCARAAAWG	
MA0138.1_REST	1.6653e-03	SCAGCAGCAGC----- TCAGCACCNWGGACAGCNC	
MA0138.2_REST	2.8132e-03	-----GCTGCTGCTGS- GNNGCTGTCCNNGGTGCTGAN	
MA0267.1_ACE2	6.2537e-03	GCTGCTGCTGS- -----NGCTGGN	
MA0394.1_STP1	1.8716e-02	SCAGCAGCAGC -NMGCCGCR--	
MA0323.1_IXR1	2.6438e-02	---SCAGCAGCAGC- AARCCGGAAGCGGK	

M33

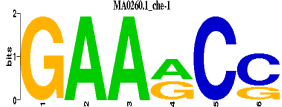











	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FL11	7.1011e-05	CAGAAGGRA----- -GGAAGGAAGGAAGGAAGG	
MA0370.1_RME1	5.8016e-04	TYCCTTCTG- TNCCTTTNNA	
MA0120.1_id1	8.4968e-04	-CAGAAGGRA-- CGNNANNRRMNA	
MA0287.1_CUP2	1.0950e-03	CAGAAGGRA-- CAGCARAAAWG	
MA0277.1_AZF1	1.6010e-03	-TYCCTTCTG TTTCTTTTT-	
MA0080.2_SPI1	2.8773e-03	--TYCCTTCTG ACTTCT----	
MA0154.1_EBF1	3.7091e-03	TYCCTTCTG- TCCCTNGGGN	
MA0039.1_Klf4	4.2417e-03	CAGAAGGRA--- --NAARRRAAGG	
MA0026.1_Eip74EF	5.1334e-03	TYCCTTCTG- ---YTCCGG	
MA0454.1_odd	6.1475e-03	TYCCTTCTG-- NTGCTACTGTN	

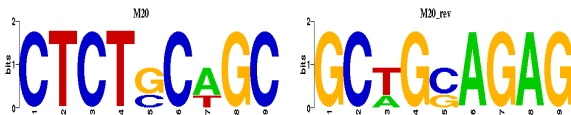
**M67**










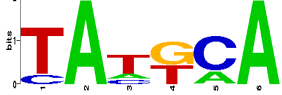




	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0260.1_che-1	5.1721e-06	AGGGCTTCTG --GGYTTC--	
MA0304.1_GCR1	4.5999e-05	AGGGCTTCTG --GGCTTCCA	
MA0403.1_TBF1	8.4121e-04	--AGGGCTTCTG NTAGGGYT----	
MA0305.1_GCR2	1.1918e-03	AGGGCTTCTG ---GCTTCCN	
MA0454.1_odd	3.5637e-03	AGGGCTTCTG-- -NTGCTACTGTN	
MA0341.1_MSN2	4.3735e-03	AGGGCTTCTG AGGGG-----	
MA0342.1_MSN4	4.4505e-03	CAGAAGCCCT -----CCCCT	
MA0366.1_RGM1	5.8404e-03	AGGGCTTCTG AGGGG-----	
MA0111.1_Spz1	6.0626e-03	-CAGAAGCCCT GCTGWTACCCT	
MA0053.1_MNB1A	6.3072e-03	AGGGCTTCTG ---NCTTT--	



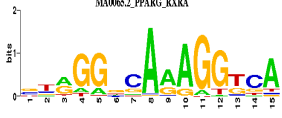

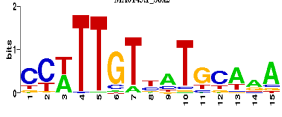
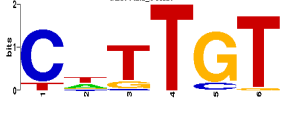




M20



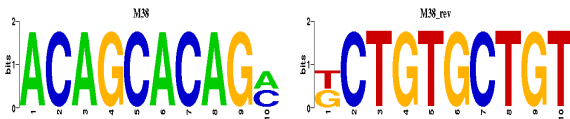
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	3.1502e-04	CTCTGCAGC----- --CAGCAGYTG CYK	
MA0048.1_NHLH1	3.7240e-03	--GCTGCAGAG-- NCGCAGCTGCGN	
MA0287.1_CUP2	4.2923e-03	---CTCTGCAGC CWTTTTYGCTG--	
MA0014.1_Pax5	4.7036e-03	----CTCTGCAGC----- NGNNNNNYGNWGCGRRC SR	
MA0150.1_NFE2L2	5.4274e-03	----CTCTGCAGC RTGACWNAGCA--	
MA0320.1_IME1	7.3401e-03	CTCTGCAGC CTCGGCGG--	
MA0385.1_SOK2	7.9397e-03	CTCTGCAGC-- NNMTGCAKNNN	
MA0283.1_CHA4	1.7615e-02	GCTGCAGAG-- --GGCGGAGN	
MA0062.1_GABPA	2.1698e-02	CTCTGCAGC-- SNCTTCCGGT	
MA0254.1_vv1	2.2417e-02	GCTGCAGAG --TGMATA--	





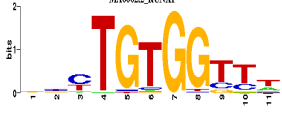

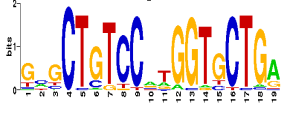

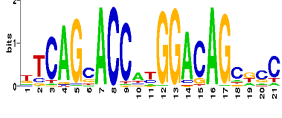

**M63**



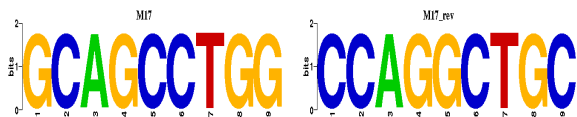
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0453.1_nub	5.6877e-05	--SCTTTGCAGA NTNATTTGCATA	
MA0370.1_RME1	6.5701e-05	--SCTTTGCAGA TNCCTTTNNA--	
MA0065.2_PPARG_RXRA	1.7691e-04	---SCTTTGCAGA-- TGMCTTTGNCCYNN	
MA0017.1_NR2F1	2.3136e-04	---SCTTTGCAGA- TGAMCTTTGNMCNN	
MA0143.1_Sox2	2.4778e-04	SCTTTGCAGA----- --TNTGCATNACAAWGG	
MA0442.1_SOX10	3.9412e-04	TCTGCAAAGS ---ACAAWG-	
MA0142.1_Pou5f1	4.0875e-04	-----TCTGCAAAGS CWTGTGNATGCAAAT-	
MA0244.1_slbo	4.1375e-04	SCTTTGCAGA --TKNGYAAT	
MA0326.1_MAC1	1.8558e-03	SCTTTGCAGA --TTTGCTCR	
MA0114.1_HNF4A	1.9782e-03	TCTGCAAAGS--- RGNNCAAAGKNCA	

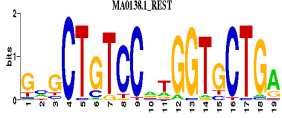
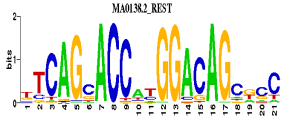
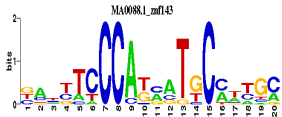
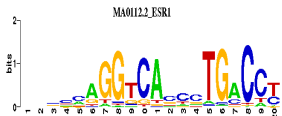
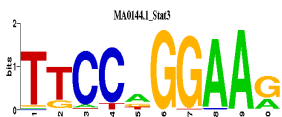





M38



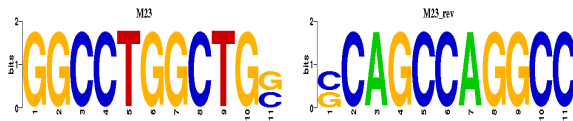
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	6.7282e-05	ACAGCACAGM ---CCACAG-	
MA0335.1_MET4	3.1810e-03	ACAGCACAGM- ---CCACAGNT	
MA0402.1_SWI5	3.2660e-03	--ACAGCACAGM NACCAGCA----	
MA0287.1_CUP2	4.3941e-03	ACAGCACAGM-- -CAGCARAAAWG	
MA0002.2_RUNX1	4.8959e-03	ACAGCACAGM- NAACCACARNN	
MA0327.1_MATA1	5.0804e-03	ACAGCACAGM ---RCACAAT	
MA0138.1_REST	6.3660e-03	ACAGCACAGM----- TCAGCACCWNGGACAGCNC	
MA0326.1_MAC1	6.9802e-03	KCTGTGCTGT --TTTGCTCR	
MA0138.2_REST	9.1793e-03	-----KCTGTGCTGT- GNNGCTGTCCNNGGTGCTGAN	
MA0244.1_slbo	1.3929e-02	KCTGTGCTGT --TKNGYAAT	

M17



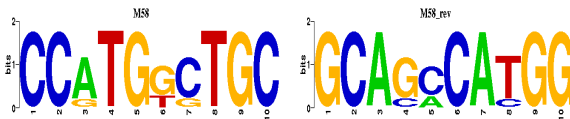
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0138.1_REST	4.0275e-04	---GCAGCCTGG----- TCAGCACCWNGGACAGCNC	
MA0138.2_REST	9.1692e-04	----GCAGCCTGG----- NTCAGCACCNNGGACAGCNC	
MA0088.1_znf143	2.4478e-03	-----GCAGCCTGG----- KCNNKGMANNMTGGANNN	
MA0112.2_ESR1	3.7636e-03	---CCAGGCTGC----- RGGTCANNNTGACCTNNNN	
MA0144.1_Stat3	4.3740e-03	GCAGCCTGG-- -CTTCCNGGAA	
MA0260.1_che-1	5.9806e-03	CCAGGCTGC ---GGYTTC	
MA0155.1_INSM1	7.0672e-03	-GCAGCCTGG-- YGCCCCCTGRCA	
MA0344.1_NHP10	7.0944e-03	--CCAGGCTGC TCCCCGN---	
MA0304.1_GCR1	1.0279e-02	--GCAGCCTGG TGGAAGCC---	
MA0086.1_sna	1.0436e-02	GCAGCCTGG --CACCTG-	

M23



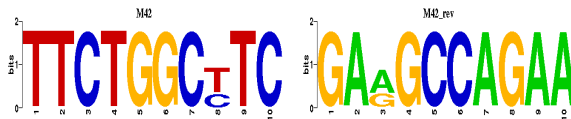
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	2.0935e-03	SCAGCCAGGCC-- ---GCCMCRCCCN	
MA0092.1_Hand1_T	3.7767e-03	SCAGCCAGGCC -NWNCCAGAYN	
MA0267.1_ACE2	4.1277e-03	GGCCTGGCTGS- -----NGCTGGN	
MA0116.1_Zfp423	4.7788e-03	---GGCCTGGCTGS- GNMMCCYTRGGKSC	
MA0368.1_RIM101	5.0778e-03	SCAGCCAGGCC --YGCCAAG--	
MA0146.1_Zfx	1.3398e-02	-SCAGCCAGGCC-- NNGGCCNNGCCTN	
MA0112.2_ESR1	1.4632e-02	-----SCAGCCAGGCC- NNNNNAGGTCANNNTGACCY	
MA0402.1_SWI5	1.5193e-02	GGCCTGGCTGS-- -----TGCTGGTN	
MA0344.1_NHP10	1.7225e-02	GGCCTGGCTGS TCCCCGGN---	
MA0161.1_NFIC	1.8451e-02	SCAGCCAGGCC --NGCCAA---	

M58



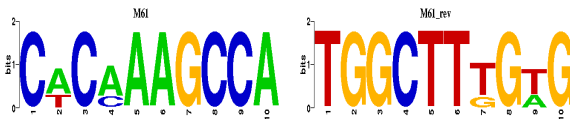
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0359.1_RAP1	2.1992e-03	-CCATGGCTGC TGTATGGGTG-	
MA0405.1_TEA1	2.4177e-03	CCATGGCTGC --NWGYSCGC	
MA0287.1_CUP2	2.6584e-03	CCATGGCTGC-- -CWTTYTGCTG	
MA0128.1_EmBP-1	2.7603e-03	CCATGGCTGC CCACGTST--	
MA0116.1_Zfp423	5.0795e-03	-----CCATGGCTGC GSMCCYARGGKNC	
MA0368.1_RIM101	8.0690e-03	CCATGGCTGC -CTTGCR--	
MA0138.1_REST	1.0355e-02	--GCAGCCATGG----- TCAGCACCWNGGACAGCNC	
MA0138.2_REST	1.2893e-02	-----CCATGGCTGC--- GNNGCTGTCCNNGGTGCTGAN	
MA0077.1_SOX9	1.4868e-02	CCATGGCTGC CYATTGTTN-	
MA0095.1_YY1	1.5752e-02	GCAGCCATGG-- -----NATGGN	

M42

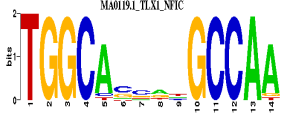
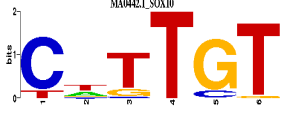






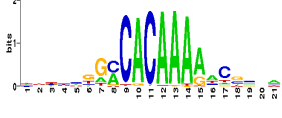



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0323.1_IXR1	8.6444e-06	-----TTCTGGCTTC CMCCGCTTCCGGYTT-	
MA0260.1_che-1	1.0005e-05	GAAGCCAGAA GAARCC-----	
MA0304.1_GCR1	9.1773e-05	TTCTGGCTTC-- ----GGCTTCCA	
MA0092.1_Hand1_T	5.4719e-04	GAAGCCAGAA- -NWNCCAGAYN	
MA0263.1_ttx-3_c	8.3626e-04	TTCTGGCTTC----- -ATTGGYTTMGTTAR	
MA0305.1_GCR2	1.9300e-03	--GAAGCCAGAA NGGAAGC-----	
MA0145.1_Tcfcp211	2.9445e-03	TTCTGGCTTC----- --CYGGNTNNRNCYGG	
MA0334.1_MET32	3.6019e-03	TTCTGGCTTC -TGTGGCN--	
MA0275.1_ASQ1	5.0250e-03	GAAGCCAGAA ----CCGGAW	
MA0026.1_Eip74EF	5.1928e-03	-TTCTGGCTTC YTTCGG-----	

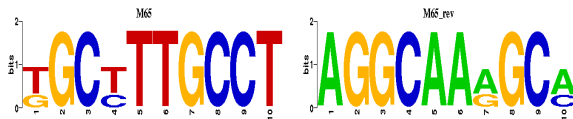
**M61**










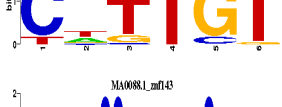




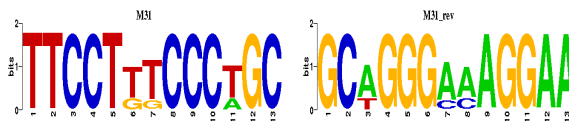
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0119.1_TLX1_NFIC	1.8028e-06	-TGGCTTTGTG--- TTGGCNNNSTGCCA	
MA0442.1_SOX10	2.4176e-06	CACAAAGCCA -ACAAG---	
MA0053.1_MNB1A	1.7393e-05	TGGCTTTGTG --NCTTT---	
MA0064.1_PBF	2.6613e-05	TGGCTTTGTG --RCTTT---	
MA0263.1_ttx-3_c	8.2534e-05	--TGGCTTTGTG-- ATTGGYTTMGTTAR	
MA0020.1_Dof2	1.0725e-04	TGGCTTTGTG -NGCTTT---	
MA0021.1_Dof3	3.1234e-04	TGGCTTTGTG -NRCTTT---	
MA0459.1_tll	1.2441e-03	--TGGCTTTGTG KTTGACTTTT--	
MA0343.1_NDT80	1.2577e-03	-----CACAAAGCCA----- NNNNNNGMCACAAAANCNNNN	
MA0071.1_RORA_1	1.5290e-03	TGGCTTTGTG TGACCTNNWW	


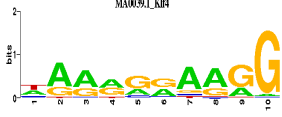


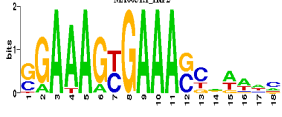
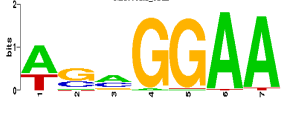

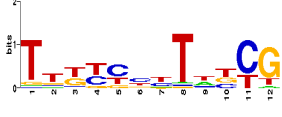
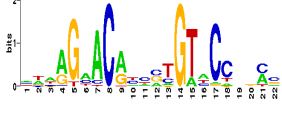

**M65**



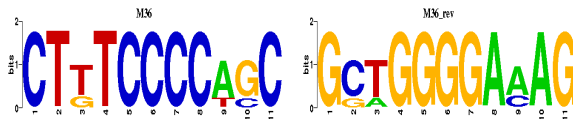
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0053.1_MNB1A	3.1107e-05	TGCTTTGCCT -NCTTT----	
MA0064.1_PBF	4.6995e-05	TGCTTTGCCT -RCTTT----	
MA0065.2_PPARG_RXRA	1.0193e-04	--TGCTTTGCCT--- TGMCCTTTGNCCYNN	
MA0020.1_Dof2	1.7574e-04	TGCTTTGCCT NGCTTT----	
MA0021.1_Dof3	3.1585e-04	TGCTTTGCCT NRCTTT----	
MA0417.1_YAP5	6.8620e-04	-TGCTTTGCCT ATGCTT-----	
MA0340.1_MOT3	8.8002e-04	TGCTTTGCCT- -----TRCCTN	
MA0114.1_HNF4A	9.9773e-04	-AGGCAAAGCA-- RGNNCAAAGKNCA	
MA0442.1_SOX10	2.3277e-03	AGGCAAAGCA --ACAAGW--	
MA0088.1_znf143	2.3990e-03	AGGCAAAGCA----- --KCNNKGMANNMTGGANNNN	

M31



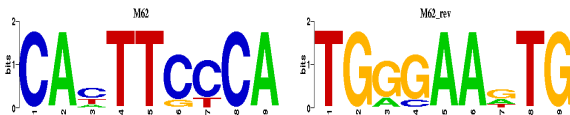
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0370.1_RME1	4.6363e-05	TTCCTTTCCCTGC TNCCTTTNNA---	
MA0039.1_Klf4	1.6342e-04	TTCCTTTCCCTGC --CCTTYYYTTN-	
MA0137.1_STAT1	1.7293e-04	GCAGGGAAAGGAA---- --RCAAANNGAAACTN	
MA0277.1_AZF1	7.7881e-04	GCAGGGAAAGGAA- -----AAAAAGAAA	
MA0051.1_IRF2	9.1361e-04	--GCAGGGAAAGGAA--- SGAAAGYGAAASYNWNN	
MA0081.1_SPIB	1.1717e-03	TTCCTTTCCCTGC TTCKST-----	
MA0080.2_SPI1	2.2037e-03	--TTCCTTTCCCTGC ACTTCT-----	
MA0120.1_id1	2.6545e-03	GCAGGGAAAGGAA-- ---CGNNANRRMNA	
MA0007.1_Ar	2.6735e-03	-----TTCCTTTCCCTGC- NNNAGNACANNNTGTNCCNNMN	
MA0364.1_REI1	2.7057e-03	GCAGGGAAAGGAA NCAGGG-----	

M36



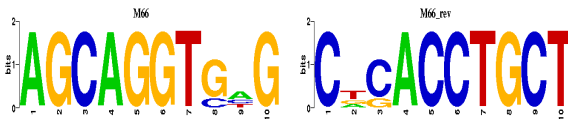
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0140.1_Tal1_Gata1	4.2617e-07	-----CTTTCCCCAGC-- NTTATCTNNNNNNNNCNN	
MA0344.1_NHP10	9.9784e-07	CTTTCCCCAGC ---TCCCCGN	
MA0056.1_MZF1_1-4	1.1914e-04	CTTTCCCCAGC ---TCCCCN--	
MA0421.1_YDR026C	3.1985e-04	GCTGGGGAAAG NCCGGGTAAA-	
MA0437.1_YPR196W	4.0987e-04	GCTGGGGAAAG --CGGRNAAAT	
MA0065.2_PPARG_RXRA	9.8454e-04	-----CTTTCCCCAGC TGMCCTTTGNCCYNN	
MA0332.1_MET28	1.1816e-03	CTTTCCCCAGC ----CCACAG-	
MA0081.1_SPIB	1.4334e-03	CTTTCCCCAGC --TTCKST--	
MA0436.1_YPR022C	1.5544e-03	GCTGGGGAAAG NGTGGGG----	
MA0268.1_ADR1	1.6073e-03	GCTGGGGAAAG -KTGGGN---	

**M62**



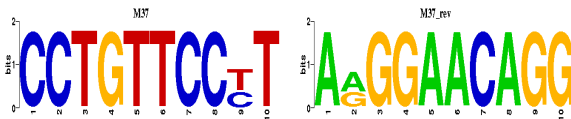
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0088.1_znf143	6.5453e-07	-----TGGGAANTG KCNNKGMANNMTGGGANNNN	
MA0062.2_GABPA	1.7259e-06	--CANTTCCCA NNCACTTCCGG	
MA0080.2_SPI1	2.0349e-06	CANTTCCCA -ACTTCCT-	
MA0156.1_FEV	3.6833e-05	CANTTCCCA -AYTTCCTG	
MA0076.1_ELK4	1.2519e-04	CANTTCCCA- -ACTTCCGGT	
MA0062.1_GABPA	1.4471e-04	CANTTCCCA- SNCTTCCGGT	
MA0136.1_ELF5	2.0641e-04	TGGGAANTG NMGGAARTN	
MA0061.1_NF-kappaB	3.6010e-04	TGGGAANTG-- -GGRAAKTCCC	
MA0026.1_Eip74EF	7.2269e-04	CANTTCCCA --YTTCCGG	
MA0080.1_SPI1	1.0790e-03	CANTTCCCA --STTCN-	

**M66**



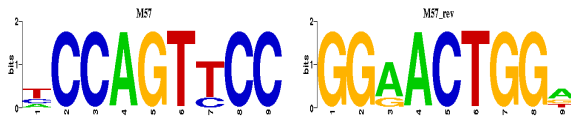
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0086.1_sna	3.7329e-08	AGCAGGTGNG --CAGGTG--	
MA0321.1_INO2	1.0601e-05	CNCACCTGCT TTCACATGC-	
MA0322.1_INO4	1.1233e-05	AGCAGGTGNG -GCATGTGAA	
MA0048.1_NHLH1	1.6549e-05	-AGCAGGTGNG- NCGCAGCTGCGN	
MA0409.1_TYE7	5.5518e-05	CNCACCTGCT -TCACGTG--	
MA0103.1_ZEB1	9.7593e-05	AGCAGGTGNG --NAGGTG--	
MA0059.1_MYC_MAX	2.2455e-04	CNCACCTGCT- ACCACGTGSTN	
MA0281.1_CBF1	2.5694e-04	CNCACCTGCT -TCACGTGN-	
MA0104.1_Mycn	6.6162e-04	AGCAGGTGNG --CACGTG--	
MA0009.1_T	6.9990e-04	--CNCACCTGCT TTCACACCTAG-	

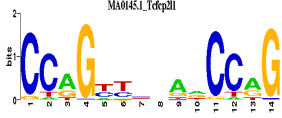

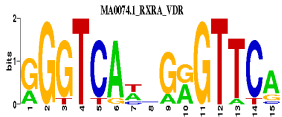
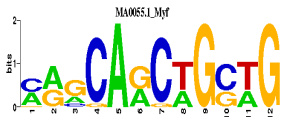



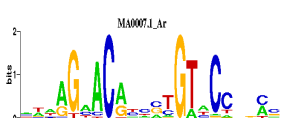


M37



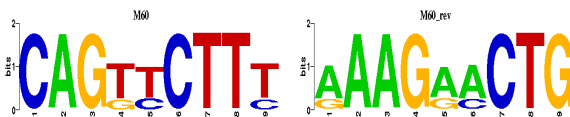
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0007.1_Ar	1.0032e-04	-----CCTGTTCCYT-- NNNAGNACANNNTGTNCCNNMN	
MA0261.1_lin-14	2.3810e-04	CCTGTTCCYT -NYGTTT---	
MA0055.1_Myf	5.4969e-04	--CCTGTTCCYT CAGCAGYTGCTG	
MA0111.1_Spz1	7.9471e-04	CCTGTTCCYT- GCTGWTACCCT	
MA0276.1_ASH1	8.8685e-04	ARGGAACAGG CCRNATCRGG	
MA0120.1_id1	1.3030e-03	----ARGGAACAGG CGNNANNRRMNA--	
MA0065.2_PPARG_RXRA	1.6982e-03	--ARGGAACAGG--- NNRGGNCAAAGGKCA	
MA0113.1_NR3C1	1.7463e-03	-----CCTGTTCCYT NYNGNACRKNNTGTTCYN-	
MA0126.1_ovo	1.7953e-03	CCTGTTCCYT NCNGTTACW-	
MA0239.1_prd	1.7953e-03	CCTGTTCCYT NCNGTTACW-	

M57

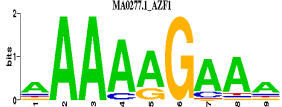











	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0145.1_Tcfcp211	4.5661e-05	-----GGAACTGGN CYGGNTNNRNCYGG-	
MA0062.2_GABPA	1.4153e-03	--GGAACTGGN CCGGAAGTGN	
MA0074.1_RXRA_VDR	1.5102e-03	GGAACTGGN----- TGAACYCNNTGACCC	
MA0055.1_Myf	2.0270e-03	-NCCAGTTCC-- CAGCAGYTGCYK	
MA0451.1_kni	2.4042e-03	----NCCAGTTCC NTGCTCTANTTT-	
MA0420.1_YBR239C	2.6958e-03	NCCAGTTCC--- ----GTTCCGRN	
MA0080.2_SPI1	2.7189e-03	-GGAACTGGN AGGAAGT---	
MA0007.1_Ar	3.7941e-03	----GGAACTGGN----- NKNNNGNACANNNTGTNCTNNN	
MA0335.1_MET4	4.0190e-03	-NCCAGTTCC CCACAGNT--	
MA0188.1_Dr	4.8686e-03	GGAACTGGN -TAATTGG-	

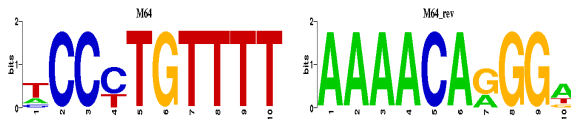
**M60**

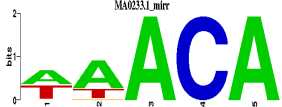







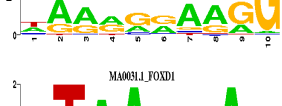
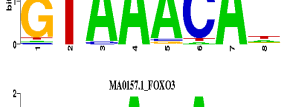




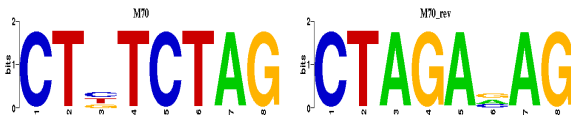
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	1.2308e-04	--AAAGAACTG AAAAAGAAA--	
MA0127.1_PEND	1.3034e-03	CAGTTCTTT-- -ANTTCTTATK	
MA0039.1_Klf4	2.5533e-03	CAGTTCTTT- CCTYYYYTNN	
MA0110.1_ATHB-5	2.7666e-03	AAAGAACTG- -AATMATTGN	
MA0053.1_MNB1A	3.7547e-03	CAGTTCTTT ----NCTTT	
MA0064.1_PBF	3.7547e-03	CAGTTCTTT ----RCTTT	
MA0335.1_MET4	4.0009e-03	---CAGTTCTTT CCACAGNT----	
MA0407.1_THI2	4.4709e-03	-----AAAGAACTG GGMAACYSTAAGAAC--	
MA0370.1_RME1	5.6670e-03	CAGTTCTTT--- --TNCCTTTNNA	
MA0336.1_MGA1	1.0718e-02	-----CAGTTCTTT----- NNNNNNRIGTTCTNTNNNNNN	








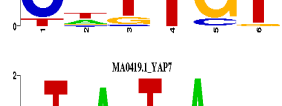


**M64**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0233.1_mirr	1.5395e-04	TCCCTGTTTT ----TGTTW-	
MA0210.1_ara	4.4750e-04	AAAACAGGGA -WAACA-----	
MA0297.1_FKH2	6.6516e-04	TCCCTGTTTT- ----TGTTTAC	
MA0323.1_IXR1	7.2005e-04	AAAACAGGGA----- -AARCCGGAAGCGGKG	
MA0364.1_REI1	1.2845e-03	AAAACAGGGA ---NCAGGGG	
MA00445.1_D	1.2869e-03	AAAACAGGGA- ANAACAATRGN	
MA0371.1_ROX1	1.7037e-03	-AAAACAGGGA- GAGAACAATNGR	
MA0039.1_Klf4	2.3444e-03	-AAAACAGGGA NAARRRAAGG-	
MA0031.1_FOXD1	2.8011e-03	TCCCTGTTTT- ---NTGTTTAC	
MA0157.1_FOXO3	2.8703e-03	TCCCTGTTTT-- ----TGTTTACA	

M70



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0266.1_ABF2	1.6619e-04	CTNTCTAG-- ---TCTAGAN	
MA0253.1_vnd	2.9527e-04	--CTAGANAG YACTTGARA-	
MA0451.1_kni	3.6470e-03	-CTNTCTAG--- NTGCTCTANTTT	
MA0207.1_achi	4.1850e-03	CTNTCTAG CTGTCA--	
MA0279.1_CAD1	5.8040e-03	-CTNTCTAG- GCTTACTAAT	
MA0227.1_hth	6.1642e-03	CTNTCTAG CTGTCA--	
MA0442.1_SOX10	6.2215e-03	CTAGANAG --ACAAWG	
MA0419.1_YAP7	7.9220e-03	--CTNTCTAG- NGMTTACTAAT	
MA0247.1_tin	9.3073e-03	--CTAGANAG CACTTGAR--	
MA0052.1_MEF2A	1.1532e-02	--CTNTCTAG CTATTTATAG	

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