

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

Input file: 94 motifs loaded

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

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

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

[Download results as a PDF](#)

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

Multiple Alignment

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

```

M0 :      -----TTTTTTTTTTTTTTTT-----
M1 :      -----TTTTTAAAAAAAAAATTT-----
M2 :      -----CCCCCCCCCCCCACCCCCCCCCC-----
M3 :      CCCCCCCCCCRRCCCCCCCCCCCC-----
M4 :      -----TTTTCTTTCCTTCTTTTT-----
M5 :      -----CACACACACACACA-----
M6 :      -----TTTTTTCTTCTTT-----
M7 :      -----CCCCCCCCCTCCTCCCCCCCC-----
M8 :      -----TTTCTTTTCYTTTT-----
M9 :      -----TCTCTCTCT-----
M10 :     -----TTTTCTTCTTT-----
M11 :     -----CCCCCCCCTCCTCCTCCC-----
M12 :     -----CACACACACACACACAC-----
M13 :     -----TCTCTCTCTC-----
M14 :     -----CCCCCCCCCTCCTCCCCCCCC-----
M15 :     -----CCCCACCTCC-----
M16 :     -----CCCGGCCCKCCCTCTCCCC-----
M17 :     -----CCTTCTTCT-----
M18 :     -----CCCCCCCCCTCCCAGCCCC-----
M19 :     -----CTTCTTCTC-----
M20 :     -----CCCCCGGCCCGCCCCCCCC-----
M21 :     -----CCCCCCCCCTCTCCC-----
M22 :     -----CCTCTGCCTCCC-----

```

Stamp Results

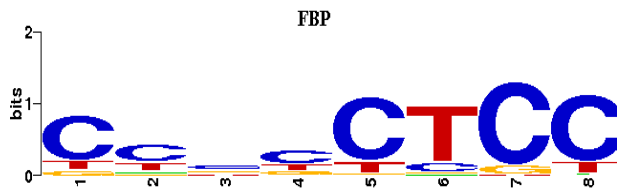
04/30/14

M23: -----CCCCCCCCACCTSCCCCCCCCC-----
M24: -----CCCGCGGCTGCTGC-----
M25: -----CCCTCTCCT-----
M26: -----CCCCCCCCTCCCCTCCCCCCCC-----
M27: -----CCCAGCCTCC-----
M28: -----CCTCCTCTCT-----
M29: -----CCTKTCTCCT-----
M30: -----CCCTGCCTCC-----
M31: -----CTTCTTCCTCC-----
M32: -----CCTCTGCTGCCC-----
M33: -----CCCTGSCCTGC-----
M34: -----CCCTGCCCCCCCC-----
M35: -----TCTCTGCAG-----
M36: -----CCCTGCCTGG-----
M37: -----CTGCTTCCC-----
M38: -----CCCCGCCCKCCCCTCCCCCCCC-----
M39: -----CCTCCTTCC-----
M40: -----CCCAGCCCAG-----
M41: -----GCTGCTGCTG-----
M42: -----CCCCTTCCCC-----
M43: -----CTTCCCTGC-----
M44: -----CCTCCAGCCCC-----
M45: -----CCCCGCCTCCTCCCC-----
M46: -----CCCAGCCTG-----
M47: -----CCACCCACCC-----
M48: -----GCCTCTGCC-----
M49: CCCCCCCCCAGCCNGCCCCCCCC-----
M50: -----GGCTGCAGG-----
M51: -----CCCCCCCCTCCCAGCCCCCCCC-----
M52: -----CAGCTCTGCG-----
M53: -----CCCAGCTCCY-----
M54: -----CTCTGCTCC-----
M55: -----TCCTGCCCC-----
M56: -----CCCTCAGCCCCCCCC-----
M57: -----GGCTCYGGG-----
M58: -----CTCCCCAGGCCCCCC-----
M59: -----CCTCCCKGG-----
M60: -----CCCAGCTCTG-----
M61: -----CCCTCCCTTCC-----
M62: -----CCCAGCCTCC-----
M63: -----CCCAGGCTG-----
M64: -----CCTCTGTCCCC-----
M65: -----CAGCCCCAG-----

```

M66: -----CTTTCCAG-----
M67: -----CCTGKCCCTGC-----
M68: -----GCCTGGCTCCGC-----
M69: -----GGCCACGCC-----
M70: -----CCCTCTGGCYCC-----
M71: -----CCTGGGCTC-----
M72: -----CCGCAGCCTCTG-----
M73: -----CCCCGCCCCCGCCCCCKGGCCCCC
M74: -----KCCCCAGCCCC-----
M75: -----CTCTSCCTG-----
M76: -----CTCCCTTCTC-----
M77: -----TTTTCT-----
M78: -----CCACCCC-----
M79: -----CCTTTC-----
M80: -----CCTTCCTG-----
M81: -----CTTCTCT-----
M82: -----CCTKTCCC-----
M83: -----TCTCTCCT-----
M84: -----CTTCCTGG-----
M85: -----CTGCTCTG-----
M86: -----CCTCCCAG-----
M87: -----CTGCWGG-----
M88: -----GCTCCTCC-----
M89: -----ATGTTTTT-----
M90: -----CTCCAGCT-----
M91: -----CTCTGAGG-----
M92: -----TCCAGGA-----
M93: -----TTTCCTCC-----
    
```

Familial Profile:
(click for matrix)

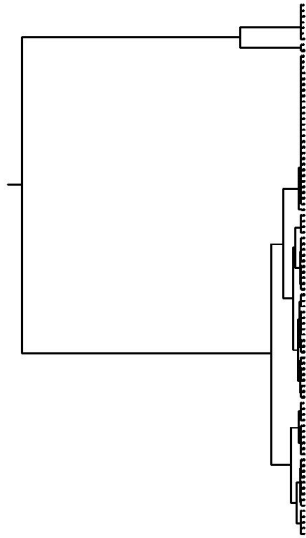


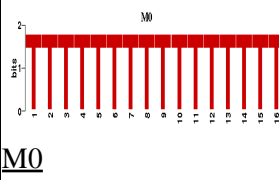

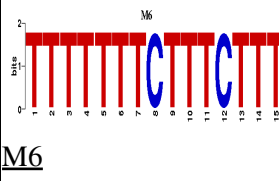
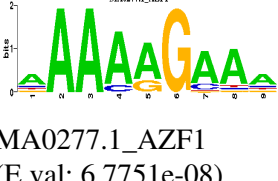
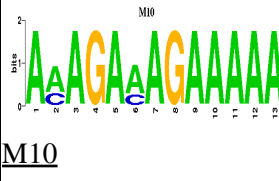

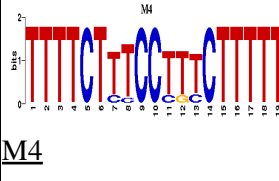
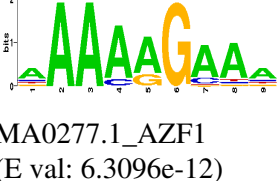

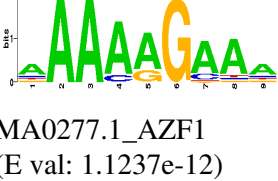
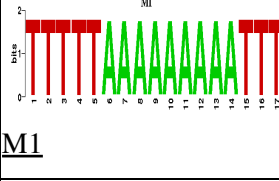
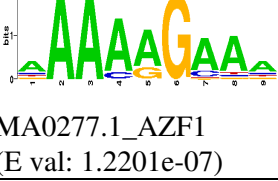
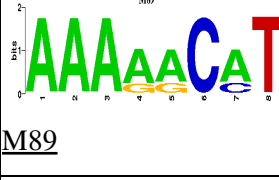
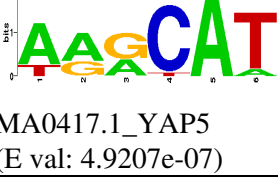
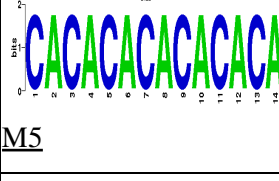
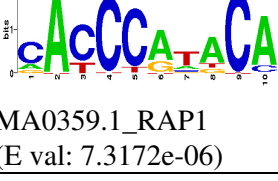
Motif Tree

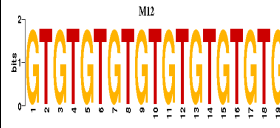
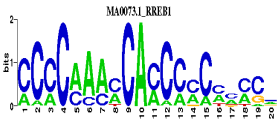
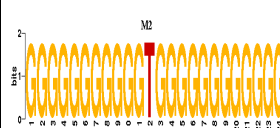
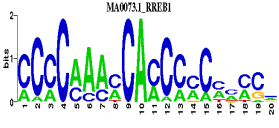
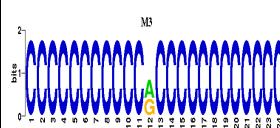
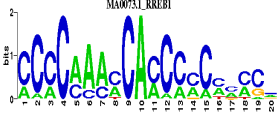
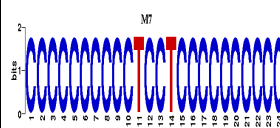
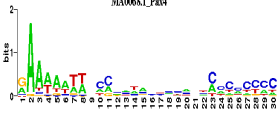
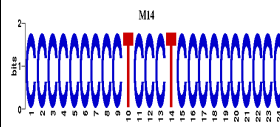
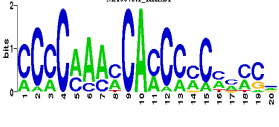
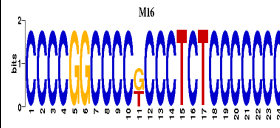
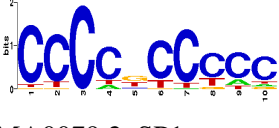
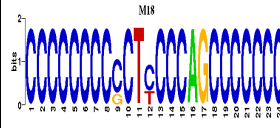
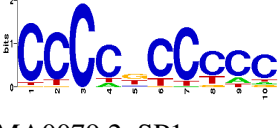
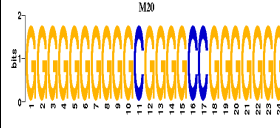
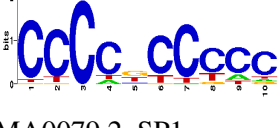
Tree (drawn by [Phylip](#))
[Click here for Newick-format tree](#) (viewable with [MEGA](#))

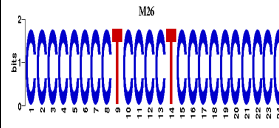
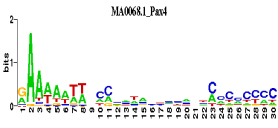
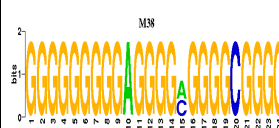
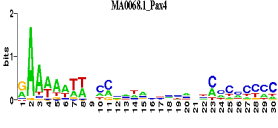
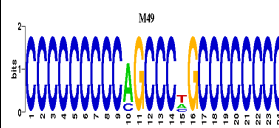
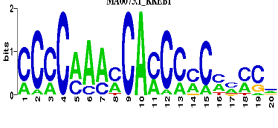
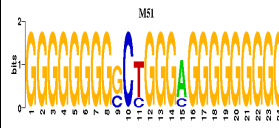
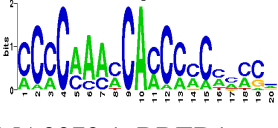
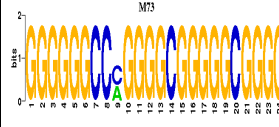
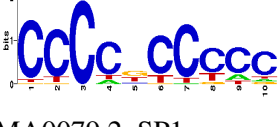
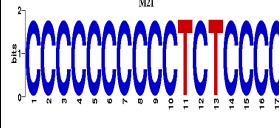
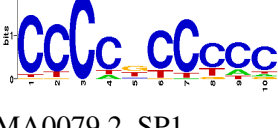

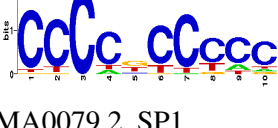
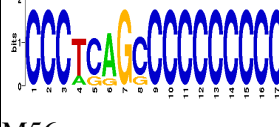
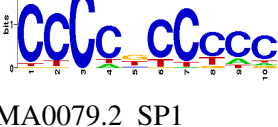
Input Motif

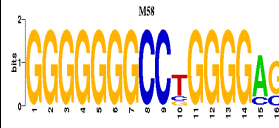
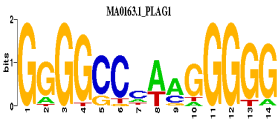

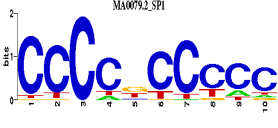

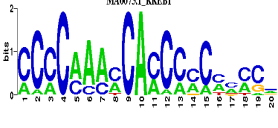

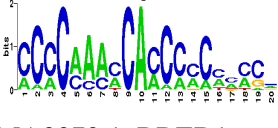
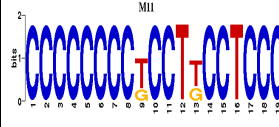
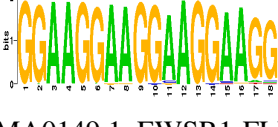
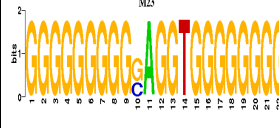
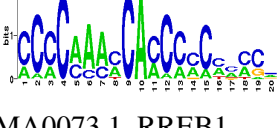

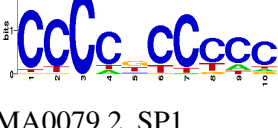

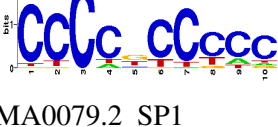
Best match in
JASPAR


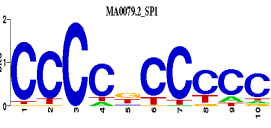

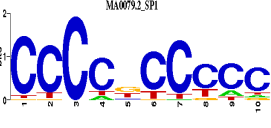

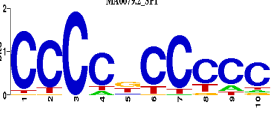

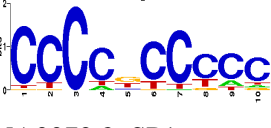


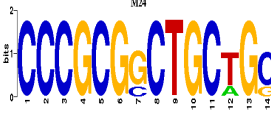


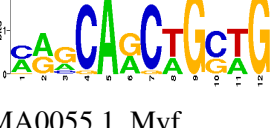

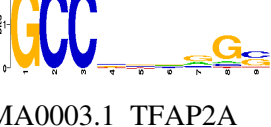


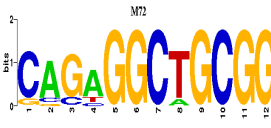
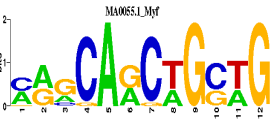







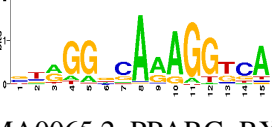






<p>M0</p> 	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 9.5526e-08)</p>
<p>M6</p> 	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 6.7751e-08)</p>
<p>M10</p> 	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 2.5564e-08)</p>
<p>M4</p> 	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 6.3096e-12)</p>
<p>M8</p> 	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 1.1237e-12)</p>
<p>M1</p> 	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 1.2201e-07)</p>
<p>M89</p> 	<p>MA0417.1_YAP5</p>  <p>MA0417.1_YAP5 (E val: 4.9207e-07)</p>
<p>M5</p> 	<p>MA0359.1_RAP1</p>  <p>MA0359.1_RAP1 (E val: 7.3172e-06)</p>
<p></p>	<p></p>




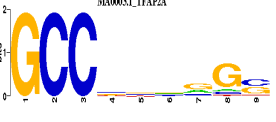
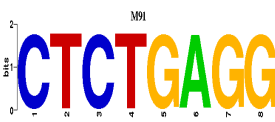


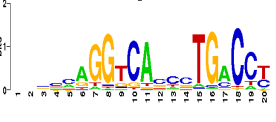
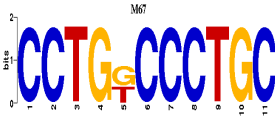
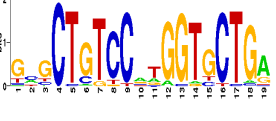
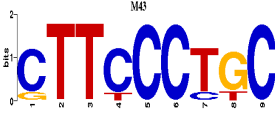
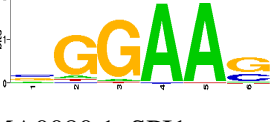
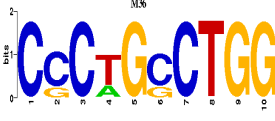
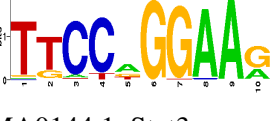

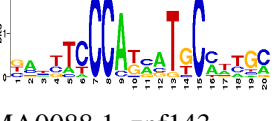
 <p>M12</p>	 <p>MA0073.1_RREB1 (E val: 6.8176e-06)</p>
 <p>M2</p>	 <p>MA0073.1_RREB1 (E val: 3.3307e-16)</p>
 <p>M3</p>	 <p>MA0073.1_RREB1 (E val: 6.4393e-15)</p>
 <p>M7</p>	 <p>MA0068.1_Pax4 (E val: 6.2811e-12)</p>
 <p>M14</p>	 <p>MA0073.1_RREB1 (E val: 3.8005e-11)</p>
 <p>M16</p>	 <p>MA0079.2_SP1 (E val: 5.8426e-09)</p>
 <p>M18</p>	 <p>MA0079.2_SP1 (E val: 3.5934e-08)</p>
 <p>M20</p>	 <p>MA0079.2_SP1 (E val: 1.6058e-12)</p>



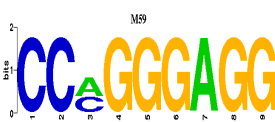






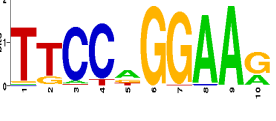

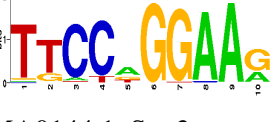

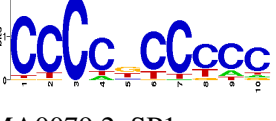

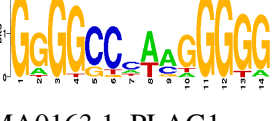
 <p>M26</p>	 <p>MA0068.1_Pax4 (E val: 9.1038e-15)</p>
 <p>M38</p>	 <p>MA0068.1_Pax4 (E val: 5.9682e-12)</p>
 <p>M49</p>	 <p>MA0073.1_RREB1 (E val: 1.1264e-10)</p>
 <p>M51</p>	 <p>MA0073.1_RREB1 (E val: 3.0953e-10)</p>
 <p>M73</p>	 <p>MA0079.2_SP1 (E val: 1.6058e-12)</p>
 <p>M21</p>	 <p>MA0079.2_SP1 (E val: 3.0653e-09)</p>
 <p>M34</p>	 <p>MA0079.2_SP1 (E val: 1.6629e-09)</p>
 <p>M56</p>	 <p>MA0079.2_SP1 (E val: 3.8662e-09)</p>
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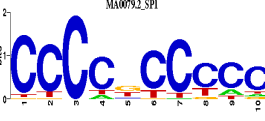


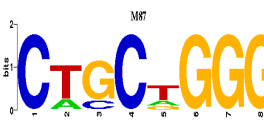











<p>M58</p>  <p>GGGGGGGGCC GGGGAG</p>	<p>MA0163.1_PLAG1</p>  <p>GGGCC AAGGGG</p> <p>(E val: 6.4134e-07)</p>
<p>M74</p>  <p>CCCCAGCCCC</p>	<p>MA0079.2_SP1</p>  <p>CCc cccc</p> <p>(E val: 2.5986e-07)</p>
<p>M47</p>  <p>GGGTGGGTGG</p>	<p>MA0073.1_RREB1</p>  <p>ccc AAAc ccc cc</p> <p>(E val: 5.3298e-08)</p>
<p>M78</p>  <p>CCACCCC</p>	<p>MA0073.1_RREB1</p>  <p>ccc AAAc ccc cc</p> <p>(E val: 7.7364e-08)</p>
<p>M11</p>  <p>CCCCCCTCCCTCC</p>	<p>MA0149.1_EWSR1-FLI1</p>  <p>GGAAGGAAGGAAGG</p> <p>(E val: 1.0503e-13)</p>
<p>M23</p>  <p>GGGGGGGGAGGTGGGGGG</p>	<p>MA0073.1_RREB1</p>  <p>ccc AAAc ccc cc</p> <p>(E val: 6.7168e-14)</p>
<p>M45</p>  <p>GGGGGAGGAGCGGGG</p>	<p>MA0079.2_SP1</p>  <p>CCc cccc</p> <p>(E val: 5.1909e-09)</p>
<p>M15</p>  <p>GGAGGTGGGGG</p>	<p>MA0079.2_SP1</p>  <p>CCc cccc</p> <p>(E val: 6.7760e-07)</p>


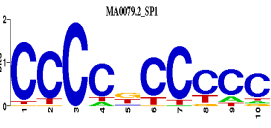






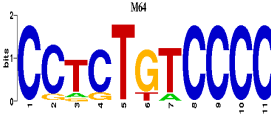
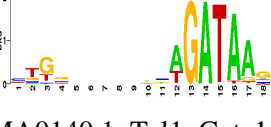

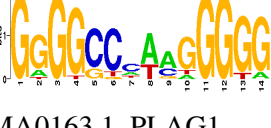

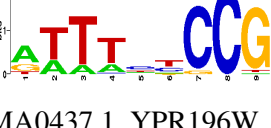


 <p>M42</p>	 <p>MA0079.2_SP1 (E val: 2.4192e-10)</p>
 <p>M27</p>	 <p>MA0079.2_SP1 (E val: 2.5619e-07)</p>
 <p>M62</p>	 <p>MA0079.2_SP1 (E val: 2.5619e-07)</p>
 <p>M30</p>	 <p>MA0079.2_SP1 (E val: 6.0551e-08)</p>
 <p>M69</p>	 <p>MA0039.2_Klf4 (E val: 2.1939e-10)</p>
 <p>M24</p>	 <p>MA0290.1_DAL81 (E val: 2.6456e-07)</p>
 <p>M41</p>	 <p>MA0055.1_Myf (E val: 2.6469e-09)</p>
 <p>M65</p>	 <p>MA0003.1_TFAP2A (E val: 8.2326e-06)</p>


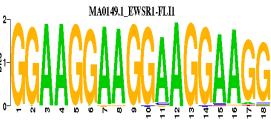

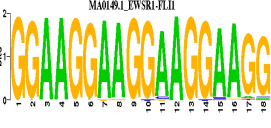




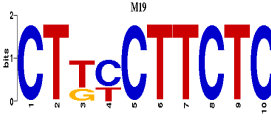
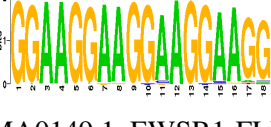
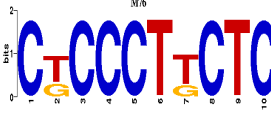
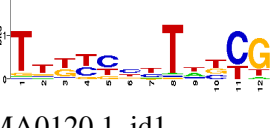



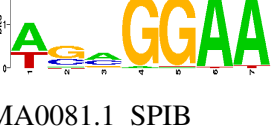
 <p>M72</p>	 <p>MA0055.1_Myf (E val: 6.2878e-04)</p>
 <p>M32</p>	 <p>MA0287.1_CUP2 (E val: 8.6148e-04)</p>
 <p>M35</p>	 <p>MA0287.1_CUP2 (E val: 5.0658e-05)</p>
 <p>M54</p>	 <p>MA0326.1_MAC1 (E val: 7.5503e-05)</p>
 <p>M48</p>	 <p>MA0065.2_PPARG_RXRA (E val: 2.5526e-06)</p>
 <p>M75</p>	 <p>MA0062.1_GABPA (E val: 7.0918e-05)</p>
 <p>M52</p>	 <p>MA0320.1_IME1 (E val: 5.2490e-04)</p>
 <p>M60</p>	 <p>MA0267.1_ACE2 (E val: 6.9099e-04)</p>


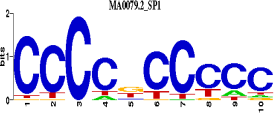
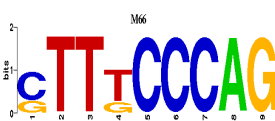
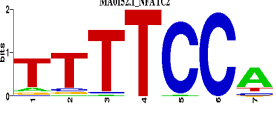

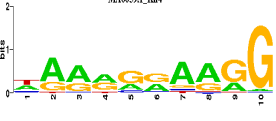
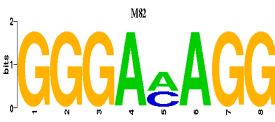
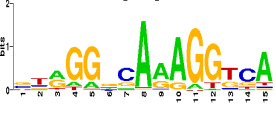

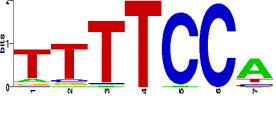

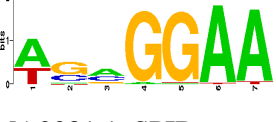
 <p>M85</p>	 <p>MA0451.1_kni (E val: 1.0701e-04)</p>
 <p>M57</p>	 <p>MA0003.1_TFAP2A (E val: 6.8224e-04)</p>
 <p>M91</p>	 <p>MA0332.1_MET28 (E val: 1.6557e-04)</p>
 <p>M33</p>	 <p>MA0112.2_ESR1 (E val: 1.3632e-04)</p>
 <p>M67</p>	 <p>MA0138.1_REST (E val: 3.5501e-04)</p>
 <p>M43</p>	 <p>MA0080.1_SPI1 (E val: 5.8410e-05)</p>
 <p>M36</p>	 <p>MA0144.1_Stat3 (E val: 3.5897e-05)</p>
 <p>M46</p>	 <p>MA0088.1_znf143 (E val: 1.0428e-04)</p>

 <p>M63</p>	 <p>MA0344.1_NHP10 (E val: 4.6270e-05)</p>
 <p>M59</p>	 <p>MA0026.1_Eip74EF (E val: 4.4225e-05)</p>
 <p>M86</p>	 <p>MA0320.1_IME1 (E val: 1.8191e-04)</p>
 <p>M80</p>	 <p>MA0156.1_FEV (E val: 4.1926e-08)</p>
 <p>M84</p>	 <p>MA0144.1_Stat3 (E val: 3.5793e-11)</p>
 <p>M92</p>	 <p>MA0144.1_Stat3 (E val: 9.0496e-10)</p>
 <p>M40</p>	 <p>MA0079.2_SP1 (E val: 3.5095e-05)</p>
 <p>M71</p>	 <p>MA0163.1_PLAG1 (E val: 4.4564e-04)</p>

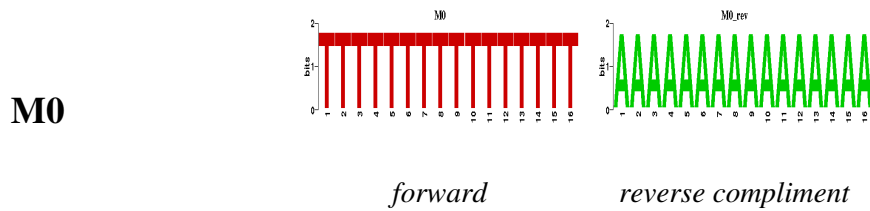
 <p>M53</p>	 <p>MA0079.2_SP1 (E val: 2.9781e-05)</p>
 <p>M90</p>	 <p>MA0055.1_Myf (E val: 2.9626e-05)</p>
 <p>M87</p>	 <p>MA0402.1_SWI5 (E val: 4.3404e-06)</p>
 <p>M44</p>	 <p>MA0450.1_hkb (E val: 1.5631e-04)</p>
 <p>M50</p>	 <p>MA0055.1_Myf (E val: 1.6358e-03)</p>
 <p>M55</p>	 <p>MA0450.1_hkb (E val: 7.2523e-06)</p>
 <p>M9</p>	 <p>MA0277.1_AZF1 (E val: 6.8317e-03)</p>
 <p>M13</p>	 <p>MA0140.1_Tal1_Gata1 (E val: 2.7479e-03)</p>

 <p>M25</p>	 <p>MA0079.2_SPI (E val: 4.1813e-05)</p>
 <p>M83</p>	 <p>MA0354.1_PDR8 (E val: 6.2682e-04)</p>
 <p>M22</p>	 <p>MA0283.1_CHA4 (E val: 2.0526e-05)</p>
 <p>M31</p>	 <p>MA0080.2_SPI (E val: 7.6955e-06)</p>
 <p>M64</p>	 <p>MA0140.1_Tal1_Gata1 (E val: 1.5785e-06)</p>
 <p>M70</p>	 <p>MA0163.1_PLAG1 (E val: 7.3758e-10)</p>
 <p>M29</p>	 <p>MA0437.1_YPR196W (E val: 4.0870e-05)</p>
 <p>M68</p>	 <p>MA0283.1_CHA4 (E val: 9.0223e-05)</p>

 <p>M17</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 2.2204e-16)</p>
 <p>M61</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 1.7836e-08)</p>
 <p>M37</p>	 <p>MA0305.1_GCR2 (E val: 5.2690e-06)</p>
 <p>M39</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 8.5338e-08)</p>
 <p>M19</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 7.9693e-07)</p>
 <p>M76</p>	 <p>MA0120.1_id1 (E val: 3.3845e-04)</p>
 <p>M81</p>	 <p>MA0035.2_Gata1 (E val: 4.7102e-05)</p>
 <p>M28</p>	 <p>MA0081.1_SPIB (E val: 2.9280e-05)</p>

 <p>M88</p>	 <p>MA0079.2_SPI (E val: 6.7110e-05)</p>
 <p>M66</p>	 <p>MA0152.1_NFATC2 (E val: 1.2285e-05)</p>
 <p>M79</p>	 <p>MA0039.1_Klf4 (E val: 1.0890e-05)</p>
 <p>M82</p>	 <p>MA0065.2_PPARG_RXRA (E val: 3.1673e-05)</p>
 <p>M77</p>	 <p>MA0152.1_NFATC2 (E val: 2.5960e-08)</p>
 <p>M93</p>	 <p>MA0081.1_SPIB (E val: 1.4485e-06)</p>


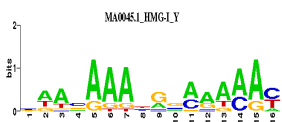




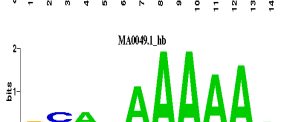
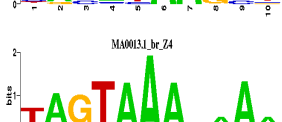


Motif Similarity Matches



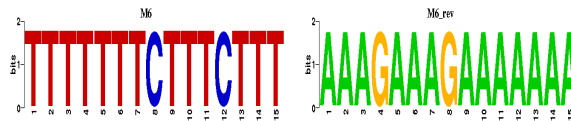
Name E value Alignment Motif

Stamp Results

04/30/14

MA0277.1_AZF1	9.5526e-08	TTTTTTTTTTTTTTTT TTTCTTTTT-----	
MA0045.1_HMG-I_Y	6.4558e-06	-TTTTTTTTTTTTTTTT RTTTYKNYNTTNTNN-	
MA0010.1_br_Z1	3.2867e-04	-AAAAAAAAAAAAAAAA TNATARACAARWN----	
MA0041.1_Foxd3	3.3199e-04	TTTTTTTTTTTTTTTT AWTGTNTNTT-----	
MA0120.1_id1	4.4765e-04	-AAAAAAAAAAAAAAAA CGNNANRRMNA-----	
MA0082.1_squamosa	7.0105e-04	-AAAAAAAAAAAAAAAA CAWAWATRGNAAN----	
MA0049.1_hb	1.3259e-03	-TTTTTTTTTTTTTTTT NTTTTTNYKS-----	
MA0013.1_br_Z4	7.8795e-03	TTTTTTTTTTTTTTTT WTWNTTACTA-----	
MA0068.1_Pax4	8.8669e-03	-----TTTTTTTTTTTTTT GKRNNNNKNNNNNNNNNNKNNWWWTWTTY-	
MA0040.1_Foxq1	1.2400e-02	AAAAAAAAAAAAAAAA WATAACAATN-----	

M6



forward

reverse complement

Name

E value

Alignment

Motif

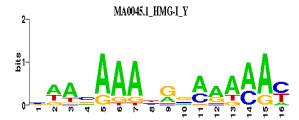
MA0277.1_AZF1 6.7751e-08

TTTTTTCTTTCTTT
----TTTCTTTT--



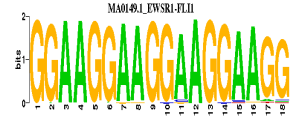
MA0045.1_HMG-I_Y 5.5106e-06

-TTTTTTCTTTCTTT
RTTYKNYNTTNTNN



MA0149.1_EWSR1-FL11 2.1888e-05

--TTTTTTCTTTCTTT-
CCTTCCTTCCTTCCTTC



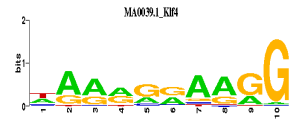
MA0120.1_id1 7.0586e-05

AAAGAAAGAAAAAA
--CGNNANRRMNA-



MA0039.1_Klf4 9.4395e-05

-AAAGAAAGAAAAAA
NAARRRAAGG-----



MA0287.1_CUP2 3.4056e-04

AAAGAAAGAAAAAA-
-----CAGCARAAWG



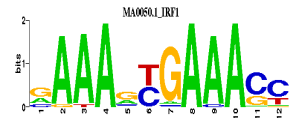
MA0082.1_squamosa 4.0930e-04

--AAAGAAAGAAAAAA
MCAWAWATRGNAAN---



MA0050.1_IRF1 8.7200e-04

TTTTTTCTTTCTTT
GGTTTCRNTTTN---



MA0294.1_EDS1 1.5371e-03

TTTTTTCTTTCTTT
-NTNTTCCN-----



MA0148.1_FOXA1 2.8827e-03

AAAGAAAGAAAAAA
---NWRWGYAAACA-



M10



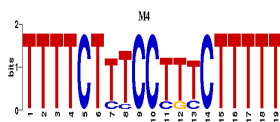
forward



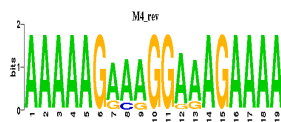
reverse complement

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	2.5564e-08	TTTTTCTTTCTTT --TTTCTTTT--	
MA0045.1_HMG-I_Y	1.4527e-05	-TTTTTCTTTCTTT-- RTTTYKYNNTTNTNN	
MA0120.1_id1	4.4789e-05	AAAGAAAGAAAAA -CGNNANRRMNA	
MA0039.1_Klf4	1.5669e-04	-AAAGAAAGAAAAA NAARRRAAGG----	
MA0050.1_IRF1	4.4771e-04	--TTTTTCTTTCTTT GGTTTCRNTTTN---	
MA0149.1_EWSR1-FLI1	5.0599e-04	--AAAGAAAGAAAAA--- GGAAGGAAGGAAGGAAGG	
MA0082.1_squamosa	5.9119e-04	--AAAGAAAGAAAAA MCAWAWATRGNAAN-	
MA0294.1_EDS1	7.8720e-04	-TTTTTCTTTCTTT NTTNTTCCN-----	
MA0152.1_NFATC2	2.0379e-03	AAAGAAAGAAAAA -----TGGAAAA-	
MA0049.1_hb	2.3187e-03	-TTTTTCTTTCTTT NTTTTTNYKS----	


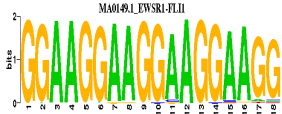
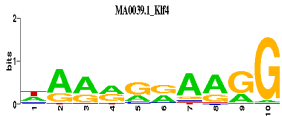


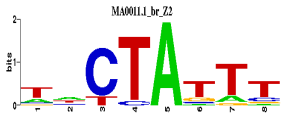
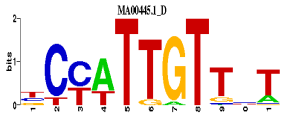
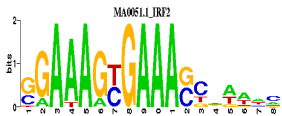
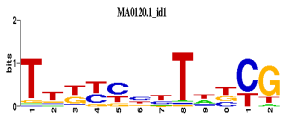

M4



forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	6.3096e-12	AAAAAGAAAGGAAAGAAAA AAAAAGAAA-----	
MA0149.1_EWSR1-FLI1	8.9006e-11	TTTTCTTTCCTTTCTTTTT CCTTCCTTCCCTTCTCC-	
MA0039.1_Klf4	1.4178e-07	AAAAAGAAAGGAAAGAAAA -NAARRRAAGG-----	
MA0370.1_RME1	1.9785e-04	TTTTCTTTCCTTTCTTTTT -----TNCCTTTNNA---	
MA0045.1_HMG-I_Y	2.5590e-04	TTTTCTTTCCTTTCTTTTT -RTTYKKNYNTTNTNNTN--	
MA0011.1_br_Z2	8.1301e-04	AAAAAGAAAGGAAAGAAAA AAATAGNW-----	
MA00445.1_D	1.1482e-03	AAAAAGAAAGGAAAGAAAA -ANAACAATRGN-----	
MA0051.1_IRF2	1.1537e-03	TTTTCTTTCCTTTCTTTTT-- ---NNWWNRSTTTTCRCTTCS	
MA0120.1_id1	1.7091e-03	--AAAAAGAAAGGAAAGAAAA CGNNANNRRMNA-----	
MA0156.1_FEV	2.5998e-03	AAAAAGAAAGGAAAGAAAA -----CAGGAART-----	

M8



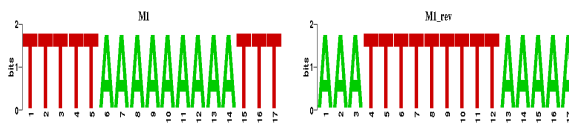
forward



reverse compliment

Name	E value	Alignment	Motif
MA0277.1_AZF1	1.1237e-12	TTTCTTTTCYTTTT -----TTTCTTTTT	
MA0120.1_id1	1.0684e-07	--AAAARGAAAAGAAA CGNNANNRRMNA----	
MA0039.1_Klf4	6.9793e-06	AAAARGAAAAGAAA -NAARRRAAGG---	
MA0045.1_HMG-I_Y	8.2276e-05	TTTCTTTTCYTTTT---- --RTTTYKYNNTTTNTNN	
MA0152.1_NFATC2	1.1281e-04	AAAARGAAAAGAAA ---TGAAAA-----	
MA0370.1_RME1	1.4991e-04	TTTCTTTTCYTTTT-- -----TNCCTTTNNA	
MA0082.1_squamosa	2.2663e-04	TTTCTTTTCYTTTT---- ----NTTNCYATWWTGK	
MA0030.1_FOXP2	5.5319e-04	TTTCTTTTCYTTTT NNTGTTTACSNNTN	
MA0137.1_STAT1	6.0802e-04	---TTTCTTTTCYTTTT NAGTTTCNNTTTCY---	
MA0011.1_br_Z2	9.7700e-04	AAAARGAAAAGAAA AAATAGNW-----	

M1

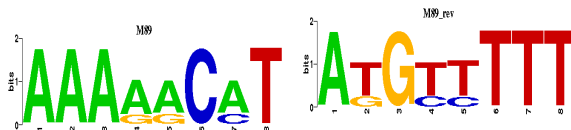


forward

reverse compliment










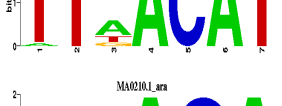
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	1.2201e-07	AAATTTTTTTTTTAAAAA ---TTTCTTTTT-----	
MA0041.1_Foxd3	9.0740e-06	TTTTTAAAAAAAATTT -----AAANAAACAWTN	
MA0398.1_SUM1	8.1086e-05	TTTTTAAAAAAAATTT- -----NAAAATTWN	
MA0040.1_Foxq1	3.3918e-04	TTTTTAAAAAAAATTT -----WATAACAATN-	
MA0010.1_br_Z1	4.0253e-04	AAATTTTTTTTTTAAAAA NWYTTGTYTATNAN---	
MA0378.1_SFP1	6.0610e-04	-----AAATTTTTTTTTTAAAAA NNNNRNAAAATTTTTYNNNNN---	
MA0013.1_br_Z4	6.8562e-04	AAATTTTTTTTTTAAAAA -----WTWNTTTACTA-	
MA0047.1_Foxa2	8.6740e-04	TTTTTAAAAAAAATTT -----AARYAAATANTN	
MA0369.1_RLM1	9.9744e-04	AAATTTTTTTTTTAAAAA- NNRTCTATWWATAGAANN	
MA0151.1_ARID3A	1.3764e-03	TTTTTAAAAAAAATTT --TTAAT-----	

M89



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0417.1_YAP5	4.9207e-07	AAAAACAT --AAGCAT	
MA0041.1_Foxd3	5.4997e-06	--AAAAACAT-- AAANAAACAWTN	
MA0277.1_AZF1	7.0550e-05	-ATGTTTTT TTTCTTTTT	
MA0233.1_mirr	1.9110e-04	AAAAACAT --WAACA-	
MA0022.1_dl_1	2.3841e-04	---AAAAACAT- NGGAAAACCCS	
MA0297.1_FKH2	4.1262e-04	ATGTTTTT -TGTTTAC	
MA0010.1_br_Z1	4.5808e-04	---ATGTTTTT--- NWYTTGTYTATNAN	
MA0040.1_Foxq1	5.2548e-04	-AAAAACAT-- WATAACAATN	
MA0173.1_CG11617	5.3948e-04	ATGTTTTT ATGTWAA-	
MA0210.1_ara	6.7936e-04	ATGTTTTT -TGTTW--	

M5



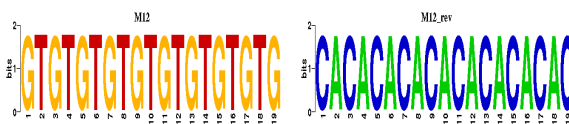
forward



reverse compliment

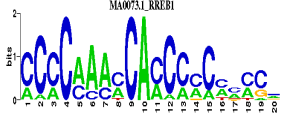
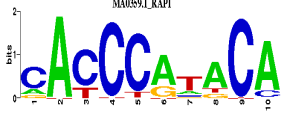
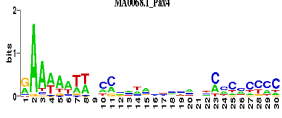


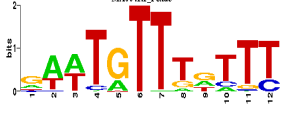

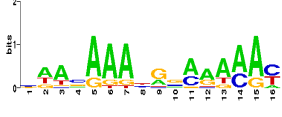


Name	E value	Alignment	Motif
MA0359.1_RAP1	7.3172e-06	TGTGTGTGTGTGTG TGTATGGGTG----	
MA0073.1_RREB1	6.5024e-04	----CACACACACACACA-- CCCCAAAMCACCCMCMCCN	
MA0162.1_Egr1	1.0079e-02	CACACACACACACA -MCGCCACGCN--	
MA0327.1_MATA1	1.5367e-02	--TGTGTGTGTGTGTG ATTGTGY-----	
MA0041.1_Foxd3	1.5780e-02	CACACACACACACA -AAANAAACAWTN-	
MA0068.1_Pax4	2.6748e-02	-----CACACACACACACA RAAWAWWWNNMNNNNNNNNNNMNNNNNYMC	
MA0343.1_NDT80	3.0547e-02	-----CACACACACACACA- NNNNNNGMCACAAAANCNNNN	
MA0042.1_FOXI1	3.3428e-02	CACACACACACACA -AWAYAAAYANNN-	
MA0332.1_MET28	3.4851e-02	-CACACACACACACA CCACAG-----	
MA0288.1_CUP9	4.0581e-02	--TGTGTGTGTGTGTG WWTGTGTCA-----	

M12

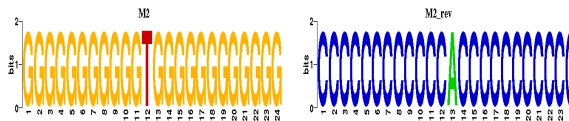


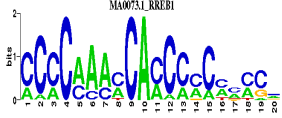
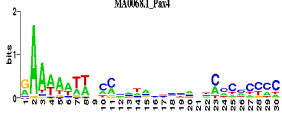
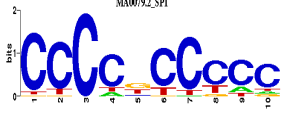
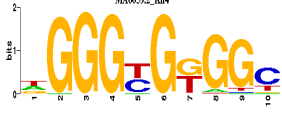






forward

reverse compliment

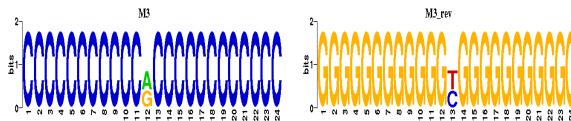
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	6.8176e-06	-GTGTGTGTGTGTGTGTGTG NGKKKGKGGGTGKTTTGGGG	
MA0359.1_RAP1	2.9910e-05	GTGTGTGTGTGTGTGTGTG -TGTATGGGTG-----	
MA0068.1_Pax4	9.6057e-03	-----CACACACACACACACAC- RAAWAWWWNNMNNNNNNNNNNMNNNNNYMC	
MA0162.1_Egr1	2.6664e-02	CACACACACACACACACAC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

M2



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	3.3307e-16	GGGGGGGGGGTGGGGGGGGGGG -NGKKKGKGGGTGKTTTGGGG---	
MA0068.1_Pax4	2.2304e-13	GGGGGGGGGGTGGGGGGGGGGG----- -GKRNNNNKNNNNNNNNNNNNKNNWWWTWTY	
MA0079.2_SP1	1.4226e-08	CCCCCCCCCCCCACCCCCCCCCC CCCNCCCC-----	
MA0039.2_Klf4	4.4242e-05	CCCCCCCCCCCCACCCCCCCCCC -----GCCMCRCCN-----	
MA0436.1_YPR022C	6.3182e-05	GGGGGGGGGGTGGGGGGGGGGG -----NGTGGGG-----	
MA0268.1_ADR1	1.9774e-04	GGGGGGGGGGTGGGGGGGGGGG -----KTGGGN-----	
MA0373.1_RPN4	5.4283e-04	GGGGGGGGGGTGGGGGGGGGGG -----GGTGGCG-----	
MA0450.1_hkb	5.5168e-04	CCCCCCCCCCCCACCCCCCCCCC -----TCACGCCM-----	
MA0079.1_SP1	1.0600e-03	CCCCCCCCCCCCACCCCCCCCCC -----ACCNGCCNN---	
MA0163.1_PLAG1	1.2056e-03	GGGGGGGGGGTGGGGGGGGGGG ----GGGGCCNAAGGGG-----	

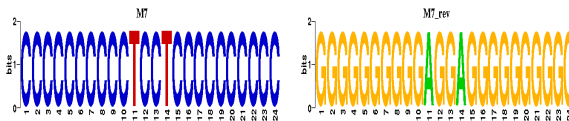
M3



forward *reverse compliment*

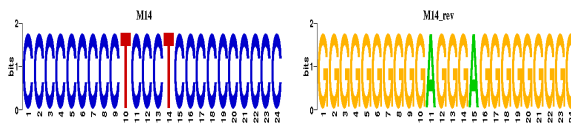
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	6.4393e-15	GGGGGGGGGGGGYGGGGGGGGGG --NGKKKGKGGGTGKTTTGGGG--	
MA0068.1_Pax4	2.1090e-11	GGGGGGGGGGGGYGGGGGGGGGG----- --GKRNNNNKNNNNNNNNNNNNKNNWWWTWTY	
MA0079.2_SP1	1.0793e-09	CCCCCCCCCCCCRCCCCCCCCCCCC -----CCCNCCCC-----	
MA0039.2_Klf4	5.6279e-06	CCCCCCCCCCCCRCCCCCCCCCCCC -----GCCMCRCN-----	
MA0443.1_btd	1.5859e-05	CCCCCCCCCCCCRCCCCCCCCCCCC -----YCCGCCMCN-----	
MA0456.1_opa	3.1120e-05	GGGGGGGGGGGGYGGGGGGGGGG -----CNGCGGGGGGKC---	
MA0339.1_MIG3	6.2978e-05	GGGGGGGGGGGGYGGGGGGGGGG -----NGYGGG-----	
MA0338.1_MIG2	7.4327e-05	GGGGGGGGGGGGYGGGGGGGGGG -----NGYGGG-----	
MA0337.1_MIG1	1.0128e-04	GGGGGGGGGGGGYGGGGGGGGGG -----SYGGGN-----	
MA0163.1_PLAG1	1.7459e-04	CCCCCCCCCCCCRCCCCCCCCCCCC ----CCCCCTTNGGCC-----	

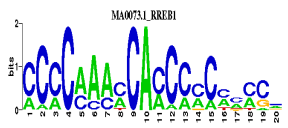
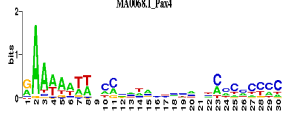
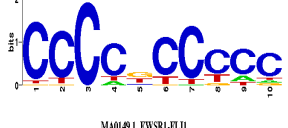







M7



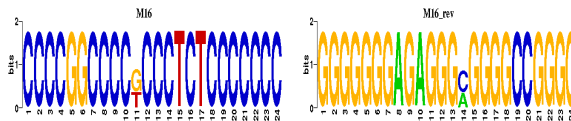
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0068.1_Pax4	6.2811e-12	GGGGGGGGGGAGGAGGGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTTY	
MA0073.1_RREB1	1.4953e-10	GGGGGGGGGGAGGAGGGGGGGGGG NGKKKGKGGGTGKTTTGGGG-----	
MA0079.2_SP1	1.4226e-08	CCCCCCCCCTCCTCCCCCCCCCC CCCNCCCC-----	
MA0149.1_EWSR1-FLI1	7.7235e-06	CCCCCCCCCTCCTCCCCCCCCCC ---CCTTCCTTCCTTCCTTCC---	
MA0443.1_btd	6.6132e-05	CCCCCCCCCTCCTCCCCCCCCCC -----YCCGCCMCN-----	
MA0366.1_RGM1	9.1437e-05	CCCCCCCCCTCCTCCCCCCCCCC -----CCCCT-----	
MA0342.1_MSN4	9.5799e-05	GGGGGGGGGGAGGAGGGGGGGGGG -----AGGG-----	
MA0456.1_opa	1.4927e-04	GGGGGGGGGGAGGAGGGGGGGGGG -----CNGCGGGGGK	
MA0163.1_PLA1	1.8929e-04	GGGGGGGGGGAGGAGGGGGGGGGG -----GGGGCCNAAGGGG-----	
MA0341.1_MSN2	2.2379e-04	GGGGGGGGGGAGGAGGGGGGGGGG -----AGGG-----	

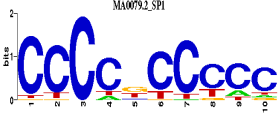


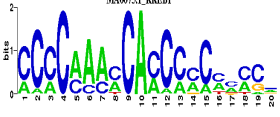
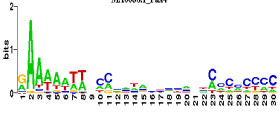
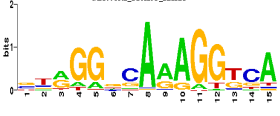
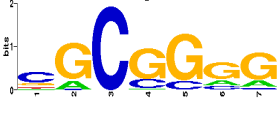
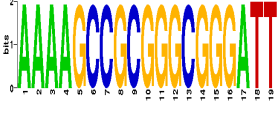
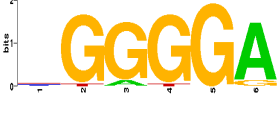
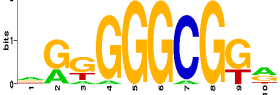
M14



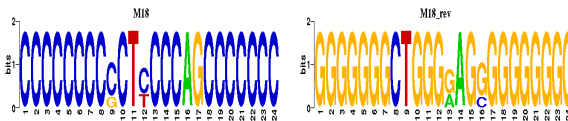
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	3.8005e-11	GGGGGGGGGGAGGGAGGGGGGGGG NGKKKGKGGGTGKTTTGGGG----	
MA0068.1_Pax4	1.2075e-09	GGGGGGGGGGAGGGAGGGGGGGGG----- --GKRNNNNKNNNNNNNNNNNNKNNWWWTWTY	
MA0079.2_SP1	1.4226e-08	CCCCCCCCCTCCCTCCCCCCCCCC -----CCCNCCCC	
MA0149.1_EWSR1-FLI1	6.1658e-06	CCCCCCCCCTCCCTCCCCCCCCCC -----CCTTCCTTCCTTCCTTC	
MA0366.1_RGM1	9.1437e-05	CCCCCCCCCTCCCTCCCCCCCCCC -----CCCT-----	
MA0342.1_MSNA	9.5799e-05	GGGGGGGGGGAGGGAGGGGGGGGG -----AGGG-----	
MA0443.1_btd	1.1076e-04	CCCCCCCCCTCCCTCCCCCCCCCC -----YCCGCCMCN-	
MA0456.1_opa	1.4927e-04	GGGGGGGGGGAGGGAGGGGGGGGG- -----CNGCGGGGGGKC	
MA0341.1_MSNA	2.2379e-04	GGGGGGGGGGAGGGAGGGGGGGGG -----AGGG-----	
MA0163.1_PLA1	6.7468e-04	GGGGGGGGGGAGGGAGGGGGGGGG -----GGGGCCNAAGGGG-----	

M16



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	5.8426e-09	CCCCGGCCCCCKCCCTCTCCCCCCC -----CCCCNCCCC-----	
MA0344.1_NHP10	1.4734e-06	-CCCCGGCCCCCKCCCTCTCCCCCCC TCCCCGGN-----	
MA0039.2_Klf4	2.4426e-06	CCCCGGCCCCCKCCCTCTCCCCCCC -----GCCMCRCCCN-----	
MA0073.1_RREB1	2.9125e-05	-GGGGGGGAGAGGGMGGGGCCGGGG NGKKKGKGGGTGKTTTGGGG-----	
MA0068.1_Pax4	5.3224e-04	GGGGGGGAGAGGGMGGGGCCGGGG----- -GKRNNNNKNNNNNNNNNNKNNWWWTWTY	
MA0065.2_PPARG_RXRA	5.5795e-04	CCCCGGCCCCCKCCCTCTCCCCCCC -----TGMCCTTTGNCCYNN	
MA0399.1_SUT1	5.8638e-04	CCCCGGCCCCCKCCCTCTCCCCCCC -----CCCCGCG-----	
MA0290.1_DAL81	7.2320e-04	--CCCCGGCCCCCKCCCTCTCCCCCCC AATCCCGCCCGCGGCTTT-----	
MA0056.1_MZF1_1-4	1.2180e-03	CCCCGGCCCCCKCCCTCTCCCCCCC -----TCCCCN-----	
MA0443.1_btd	1.2473e-03	CCCCGGCCCCCKCCCTCTCCCCCCC -YCCGCCMCN-----	

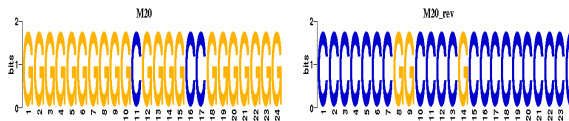
M18



forward *reverse compliment*

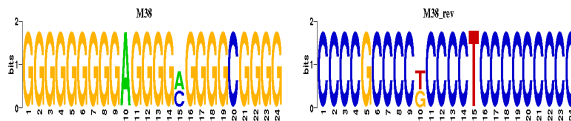
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.5934e-08	GGGGGGGCTGGGGAGGGGGGGGGG -----GGGGNGGGG	
MA0068.1_Pax4	1.0162e-07	GGGGGGGCTGGGGAGGGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNNNKNNWWWTWT TY	
MA0073.1_RREB1	8.1241e-07	--GGGGGGGCTGGGGAGGGGGGGGGG NGKKKGKGGGTGKTTTGGGG-----	
MA0456.1_opa	3.4098e-05	GGGGGGGCTGGGGAGGGGGGGGGG -----CNGCGGGGGGKC	
MA0344.1_NHP10	4.1242e-05	CCCCCCCCCTCCCCAGCCCCCCC -----TCCCCGN-----	
MA0366.1_RGM1	1.3716e-04	CCCCCCCCCTCCCCAGCCCCCCC -----CCCT-----	
MA0342.1_MSN4	1.4354e-04	CCCCCCCCCTCCCCAGCCCCCCC -----CCCT-----	
MA0341.1_MSN2	3.2822e-04	CCCCCCCCCTCCCCAGCCCCCCC -----CCCT-----	
MA0323.1_IXR1	7.1547e-04	CCCCCCCCCTCCCCAGCCCCCCC ----CMCCGTTCCGGYTT-----	
MA0163.1_PLAG1	1.1412e-03	CCCCCCCCCTCCCCAGCCCCCCC -----CCCCCTTNGCCCC-	

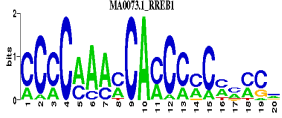
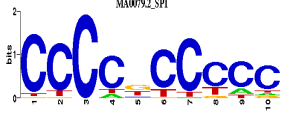
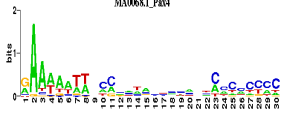
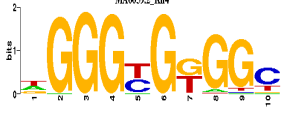

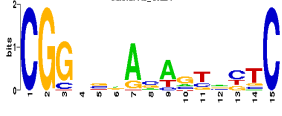
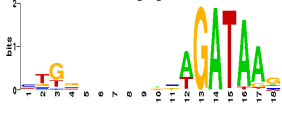
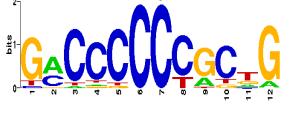


M20



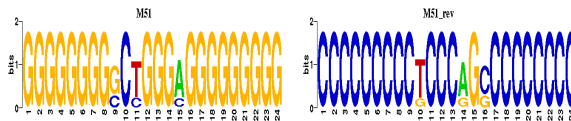
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0068.1_Pax4	9.1038e-15	GGGGGGGGGGAGGGGAGGGGGGGG----- --GKRNNNNKNNNNNNNNNNKNNWWWTWTTY	
MA0079.2_SP1	1.1574e-11	GGGGGGGGGGAGGGGAGGGGGGGG -----GGGGGNGGGG-----	
MA0073.1_RREB1	6.9923e-10	GGGGGGGGGGAGGGGAGGGGGGGG NGKKKGKGGGTGKTTTGGGG----	
MA0149.1_EWSR1-FLI1	7.2598e-06	CCCCCCCCCTCCCTCCCCCCCCCC -----CCTTCCTTCCTTCCTTC	
MA0366.1_RGM1	9.1437e-05	CCCCCCCCCTCCCTCCCCCCCCCC ----CCCCT-----	
MA0342.1_MSN4	9.5799e-05	GGGGGGGGGGAGGGGAGGGGGGGG -----AGGGG-----	
MA0443.1_btd	1.1076e-04	CCCCCCCCCTCCCTCCCCCCCCCC -----YCCGCCMCN--	
MA0341.1_MSN2	2.2379e-04	GGGGGGGGGGAGGGGAGGGGGGGG -----AGGGG-----	
MA0456.1_opa	6.9396e-04	--CCCCCCCCCTCCCTCCCCCCCCCC GMCCCCCGCNG-----	
MA0056.1_MZF1_1-4	1.2180e-03	CCCCCCCCCTCCCTCCCCCCCCCC -----TCCCN-----	

M38

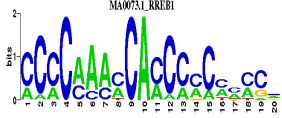
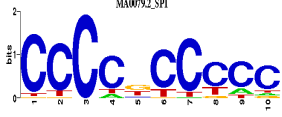
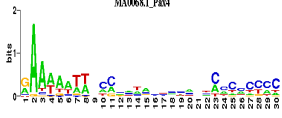


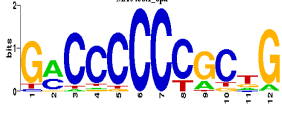



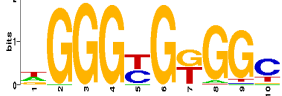


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	1.1264e-10	-GGGGGGGGCNGGGCTGGGGGGGGG NGKKKGKGGGTGKTTTGGGG-----	
MA0079.2_SP1	4.6344e-09	CCCCCCCCCAGCCCNGCCCCCCCC -----CCCCNCCCC--	
MA0068.1_Pax4	1.8179e-06	-GGGGGGGGCNGGGCTGGGGGGGGG----- GKRNNNNKNNNNNNNNNNKNNWWWTWT Y	
MA0039.2_Klf4	1.5952e-04	CCCCCCCCCAGCCCNGCCCCCCCC -----GCCMCRCCN-----	
MA0443.1_btd	3.8736e-04	GGGGGGGGCNGGGCTGGGGGGGGG --NGKGGGCGGR-----	
MA0299.1_GAL4	4.5595e-04	CCCCCCCCCAGCCCNGCCCCCCCC -----GANNRNTNTNNNCCG--	
MA0140.1_Tal1_Gata1	5.4235e-04	--GGGGGGGGCNGGGCTGGGGGGGGG NNGNNNNNNNNAGATAAN-----	
MA0456.1_opa	7.4758e-04	GGGGGGGGCNGGGCTGGGGGGGGG-- -----CNGCGGGGGGKC	
MA0163.1_PLAG1	1.5529e-03	CCCCCCCCCAGCCCNGCCCCCCCC -----CCCCCTTNGGCCCC--	
MA0123.1_abi4	3.2137e-03	GGGGGGGGCNGGGCTGGGGGGGGG ---NGNNGCRSCG-----	

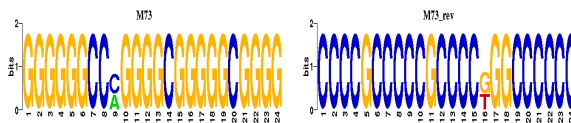
M51



forward *reverse compliment*

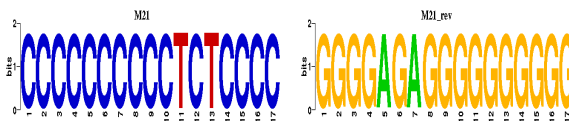
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	3.0953e-10	GGGGGGGGCTGGGAGGGGGGGGG NGKKKGKGGTGKTTTGGGG-----	
MA0079.2_SP1	4.0067e-07	GGGGGGGGCTGGGAGGGGGGGGG -----GGGGNGGGG-----	
MA0068.1_Pax4	4.9854e-07	GGGGGGGGCTGGGAGGGGGGGGG----- -GKRNNNNKNNNNNNNNNNKNNWWWTTTY	
MA0366.1_RGM1	1.1474e-04	CCCCCCCCCTCCCAGCCCCCCCCC -----CCCCT-----	
MA0323.1_IXR1	1.1605e-04	CCCCCCCCCTCCCAGCCCCCCCCC ---CMCCGCTTCCGGYTT-----	
MA0456.1_opa	1.2923e-04	GGGGGGGGCTGGGAGGGGGGGGG- -----CNGCGGGGGGKC	
MA0342.1_MSN4	1.4183e-04	CCCCCCCCCTCCCAGCCCCCCCCC -----CCCCT-----	
MA0163.1_PLAG1	2.4152e-04	CCCCCCCCCTCCCAGCCCCCCCCC -----CCCCTTNGGCC---	
MA0341.1_MSN2	3.5036e-04	GGGGGGGGCTGGGAGGGGGGGGG -----AGGGG-----	
MA0039.2_Klf4	4.1104e-04	GGGGGGGGCTGGGAGGGGGGGGG NGGGYGKGGC-----	

M73



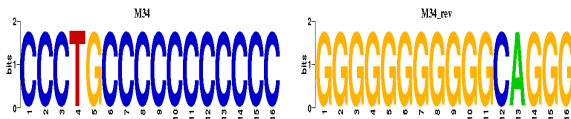
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.6058e-12	GGGGGGCCMGGGGCGGGGCGGGG -----GGGGNGGGG	
MA0163.1_PLAG1	2.4011e-07	CCCCGCCCCCGCCCCCKGGCCCCC -----CCCCCTTNGGCC--	
MA0162.1_Egr1	4.6223e-07	CCCCGCCCCCGCCCCCKGGCCCCC --MCGCCACGCN-----	
MA0443.1_btd	8.2371e-07	CCCCGCCCCCGCCCCCKGGCCCCC -YCCGCCMCN-----	
MA0003.1_TFAP2A	5.8300e-05	CCCCGCCCCCGCCCCCKGGCCCCC -----SCNNNNGGC-----	
MA0039.2_Klf4	9.0037e-05	-CCCCGCCCCCGCCCCCKGGCCCCC GCCMCRCCCN-----	
MA0323.1_IXR1	1.0164e-04	CCCCGCCCCCGCCCCCKGGCCCCC CMCCGCTTCCGGYTT-----	
MA0399.1_SUT1	1.4445e-04	CCCCGCCCCCGCCCCCKGGCCCCC CCCCGCG-----	
MA0338.1_MIG2	1.9914e-04	GGGGGGCCMGGGGCGGGGCGGGG -----NGYGGG-----	
MA0373.1_RPN4	2.4675e-04	CCCCGCCCCCGCCCCCKGGCCCCC --CGCCACC-----	

M21



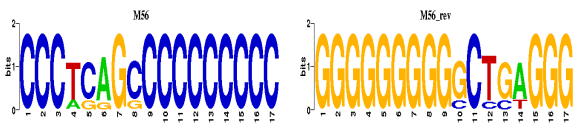
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.0653e-09	CCCCCCCCCTCTCCCC CCCNCCCC-----	
MA0068.1_Pax4	1.6870e-06	----GGGGAGAGGGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWWTWT Y	
MA0456.1_opa	1.5097e-05	GGGGAGAGGGGGGGGGGG ---CNGCGGGGGGKC--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

M34



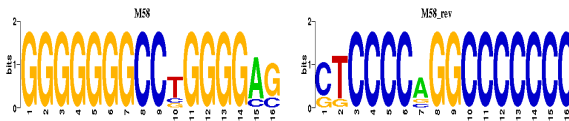
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.6629e-09	CCCTGCCCCCCCCCCC -----CCCNCCCCC--	
MA0068.1_Pax4	3.3060e-06	----GGGGGGGGGGCAGGG----- GKRNNNNKNNNNNNNNNNKNNWWWTTTYY	
MA0073.1_RREB1	4.3105e-06	--GGGGGGGGGGCAGGG-- NGKKKGKGGGTGKTTTGGGG	
MA0456.1_opa	1.3682e-05	GGGGGGGGGGCAGGG CNGCGGGGGGKC----	
MA0140.1_Tal1_Gata1	1.4364e-05	---CCCTGCCCCCCCCCCC NTTATCTNNNNNNNNNCNN--	
MA0039.2_Klf4	4.7904e-05	CCCTGCCCCCCCCCCC ----GCCMCRCCCN--	
MA0443.1_btd	2.8347e-04	GGGGGGGGGGCAGGG -----NGKGGGCGGR--	
MA0123.1_abi4	7.0219e-04	GGGGGGGGGGCAGGG -----NGNNGCRSCG	
MA0163.1_PLAG1	2.6331e-03	---CCCTGCCCCCCCCCCC CCCCCTTNGGCCCC-----	
MA0065.2_PPARG_RXRA	3.3800e-03	--GGGGGGGGGGCAGGG NNRGGNCAAAGGKCA----	


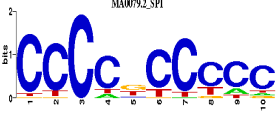
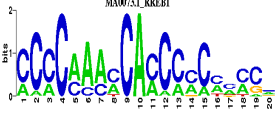


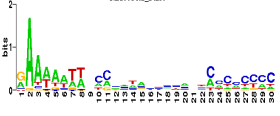
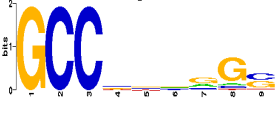
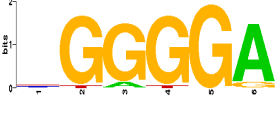

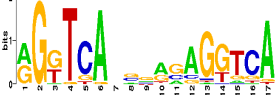
M56



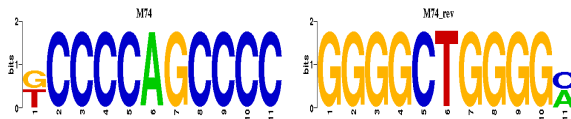
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.8662e-09	GGGGGGGGGGCTGAGGG GGGGGNGGGG-----	
MA0073.1_RREB1	3.3790e-07	---GGGGGGGGGGCTGAGGG NGKKKGKGGGTGKTTTGGGG	
MA0456.1_opa	3.6498e-05	-GGGGGGGGGGCTGAGGG CNGCGGGGGGKC-----	
MA0140.1_Tal1_Gata1	4.1704e-05	-CCCTCAGCCCCCCCCC NTTATCTNNNNNNNNCNN	
MA0163.1_PLAG1	4.6239e-05	--CCCTCAGCCCCCCCCC CCCCCTTNGGCC-----	
MA0068.1_Pax4	7.3899e-05	GGGGGGGGGGCTGAGGG----- GKRNNNNKNNNNNNNNNNKNNWWWTWTTY	
MA0039.2_Klf4	8.5071e-05	GGGGGGGGGGCTGAGGG -NGGGYGKGGC-----	
MA0443.1_btd	1.0289e-04	CCCTCAGCCCCCCCCC ---YCCGCCMCN-----	
MA0450.1_hkb	4.1388e-04	CCCTCAGCCCCCCCCC ---TCACGCCM-----	
MA0332.1_MET28	1.0441e-03	CCCTCAGCCCCCCCCC -CCACAG-----	

M58



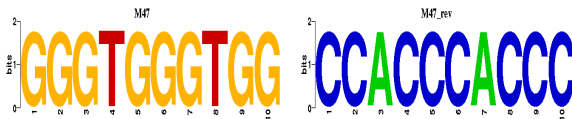
<i>Name</i>	<i>E value</i>	<i>forward</i>	<i>reverse compliment</i>	<i>Motif</i>
MA0163.1_PLAG1	6.4134e-07	CTCCCCAGGCCCCCCC CCCCCTTNGGCCCC--		
MA0079.2_SP1	3.0065e-05	GGGGGGGCCTGGGGAG ---GGGGNGGGG---		
MA0073.1_RREB1	7.2037e-05	-----GGGGGGCCTGGGGAG NGKKGKGGGTGKTTGGGG--		
MA0450.1_hkb	1.4550e-04	CTCCCCAGGCCCCCCC ----TCACGCCCM---		
MA0456.1_opa	1.4822e-04	---GGGGGGCCTGGGGAG CNGCGGGGGK-----		
MA0068.1_Pax4	2.8799e-04	-GGGGGGCCTGGGGAG----- GKRNNNNKNNNNNNNNNNKNNWWWTWT TY		
MA0003.1_TFAP2A	3.0815e-04	CTCCCCAGGCCCCCCC -SCNNNGGC-----		
MA0056.1_MZF1_1-4	4.8030e-04	CTCCCCAGGCCCCCCC -TCCCN-----		
MA0344.1_NHP10	5.8545e-04	CTCCCCAGGCCCCCCC --TCCCCGN-----		
MA0159.1_RXR_RAR_DR5	8.5881e-04	GGGGGGCCTGGGGAG---- ---RGKTCANNRNAGGTCA		

M74



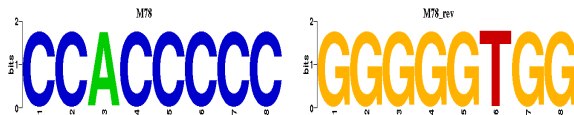
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.5986e-07	-GGGGCTGGGGM GGGGGNGGGG--	
MA0344.1_NHP10	1.0053e-05	KCCCCAGCCCC TCCCCGN---	
MA0039.2_Klf4	7.5725e-05	KCCCCAGCCCC GCCMCRCN-	
MA0332.1_MET28	8.0586e-04	KCCCCAGCCCC -CCACAG----	
MA0267.1_ACE2	1.0967e-03	GGGGCTGGGGM --NGCTGGN--	
MA0268.1_ADR1	1.2919e-03	GGGGCTGGGGM ----KTGGGN	
MA0436.1_YPR022C	1.3287e-03	GGGGCTGGGGM ---NGTGGG-	
MA0079.1_SP1	1.3347e-03	KCCCCAGCCCC -ACCCNGCCNN	
MA0056.1_MZF1_1-4	1.7978e-03	KCCCCAGCCCC TCCCN-----	
MA0443.1_btd	1.8307e-03	--GGGGCTGGGGM NGKGGGCGGR---	


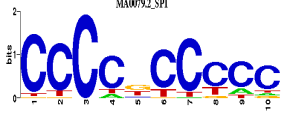



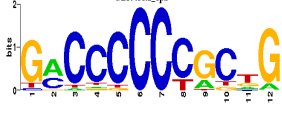

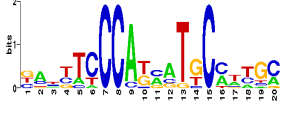

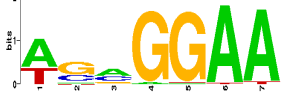
M47



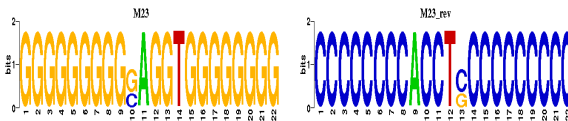
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	5.3298e-08	---GGGTGGGTGG----- NGKKKGKGGGTGKTTTGGGG	
MA0162.1_Egr1	2.1819e-06	CCACCCACCC- MCGCCCACGCN	
MA0068.1_Pax4	3.6007e-05	---GGGTGGGTGG----- GKRNNNNKNNNNNNNNNNKNNWWWWTWTY	
MA0039.2_Klf4	5.4060e-05	CCACCCACCC- -GCCMCRCN	
MA0359.1_RAP1	2.3561e-04	-GGGTGGGTGG TGTATGGGTG-	
MA0079.2_SP1	5.4313e-04	CCACCCACCC CCCCNCCCC	
MA0079.1_SP1	5.6346e-04	CCACCCACCC-- --ACCCNGCCNN	
MA0436.1_YPR022C	6.6516e-04	GGGTGGGTGG -NGTGGGG--	
MA0373.1_RPN4	9.1322e-04	--GGGTGGGTGG GG-GGTGGCG--	
MA0193.1_Lag1	1.0144e-03	CCACCCACCC CYACCAA---	

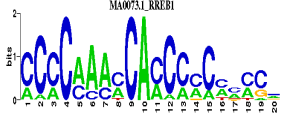
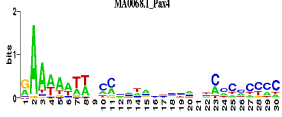
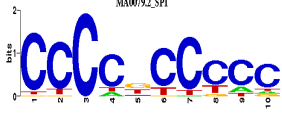
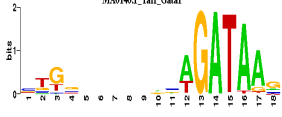





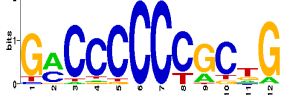
M78



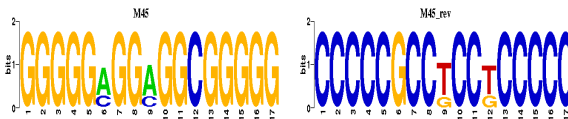
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	1.0503e-13	CCCCCCCCTCCTTCCTCCC -CCTTCCTTCCTTCCTCC	
MA0079.2_SP1	9.5627e-06	GGGAGGAAGGAGGGGGGGG -----GGGGNGGGG--	
MA0080.2_SP11	6.9026e-05	CCCCCCCCTCCTTCCTCCC -----ACTTCCT---	
MA0366.1_RGM1	9.7032e-05	CCCCCCCCTCCTTCCTCCC ----CCCCT-----	
MA0342.1_MSN4	1.3205e-04	CCCCCCCCTCCTTCCTCCC ----CCCCT-----	
MA0456.1_opa	2.1594e-04	--CCCCCCCCTCCTTCCTCCC GMCCCCCGCNG-----	
MA0323.1_IXR1	2.2663e-04	CCCCCCCCTCCTTCCTCCC --CMCGCTTCCGGYTT--	
MA0088.1_znf143	3.2133e-04	GGGAGGAAGGAGGGGGGGG- KCNNKGMANNMTGGGANNNN	
MA0341.1_MSN2	3.2925e-04	GGGAGGAAGGAGGGGGGGG -----AGGGG----	
MA0081.1_SPIB	3.4332e-04	CCCCCCCCTCCTTCCTCCC -----TTCKST-	

M23



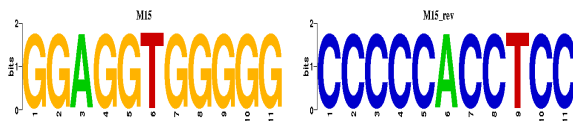
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	6.7168e-14	GGGGGGGGGSAGGTGGGGGGGG NGKKKGKGGGTGKTTTGGGG--	
MA0068.1_Pax4	6.6092e-09	GGGGGGGGGSAGGTGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTY	
MA0079.2_SP1	5.8456e-08	GGGGGGGGGSAGGTGGGGGGGG GGGGNGGGG-----	
MA0140.1_Tal1_Gata1	2.3469e-05	CCCCCCCCACCTSCCCCCCCC-- -----NTTATCTNNNNNNNNCNN	
MA0436.1_YPR022C	5.6865e-05	GGGGGGGGGSAGGTGGGGGGGG -----NGTGGGG-----	
MA0086.1_sna	1.1987e-04	CCCCCCCCACCTSCCCCCCCC -----CACCTG-----	
MA0268.1_ADR1	1.7617e-04	GGGGGGGGGSAGGTGGGGGGGG -----KTGGGN---	
MA0443.1_btd	4.7286e-04	CCCCCCCCACCTSCCCCCCCC -----YCCGCCMCN-	
MA0373.1_RPN4	4.8004e-04	GGGGGGGGGSAGGTGGGGGGGG -----GGTGGCG-----	
MA0456.1_opa	9.8017e-04	GGGGGGGGGSAGGTGGGGGGGG -----CNGCGGGGGKC	

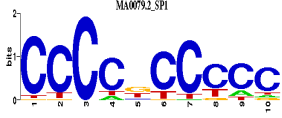

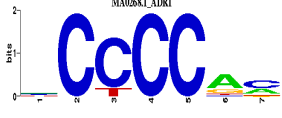



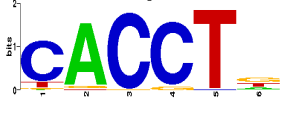
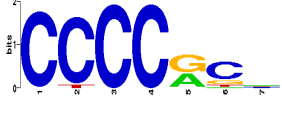

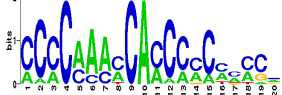
M45



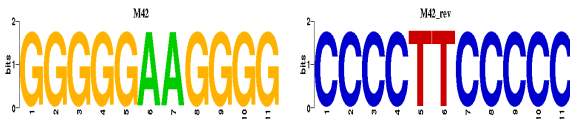
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	5.1909e-09	GGGGGAGGAGGCGGGGG -----GGGGGNGGGG-	
MA0443.1_btd	4.6872e-06	CCCCCGCCTCCTCCCC- -----YCCGCCMCN	
MA0323.1_IXR1	1.6439e-05	GGGGGAGGAGGCGGGGG -AARCCGGAAGCGGKG-	
MA0399.1_SUT1	5.7377e-05	CCCCGCCTCCTCCCC -CCCCGC-----	
MA0338.1_MIG2	7.9735e-05	GGGGGAGGAGGCGGGGG -----NGYGGGG-	
MA0339.1_MIG3	1.0811e-04	GGGGGAGGAGGCGGGGG -----NGYGGGG-	
MA0073.1_RREB1	1.3200e-04	--GGGGGAGGAGGCGGGGG- NGKKKGKGGGTGKTTTGGGG	
MA0283.1_CHA4	2.2928e-04	CCCCGCCTCCTCCCC NCTCGCC-----	
MA0337.1_MIG1	3.5996e-04	GGGGGAGGAGGCGGGGG -----SYGGGN	
MA0079.1_SP1	3.6536e-04	CCCCGCCTCCTCCCC ACCCNGCCNN-----	

M15



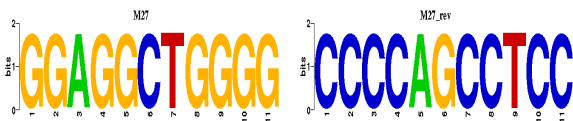
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	6.7760e-07	GGAGGTGGGGG GGGGGNGGGG-	
MA0436.1_YPR022C	3.1748e-06	GGAGGTGGGGG ---NGTGGGG-	
MA0268.1_ADR1	1.1377e-05	GGAGGTGGGGG ----KTGGGGN	
MA0373.1_RPN4	3.5692e-05	GGAGGTGGGGG ---GGTGGCG-	
MA0337.1_MIG1	1.1075e-04	GGAGGTGGGGG ----SYGGGGN	
MA0086.1_sna	1.1293e-04	CCCCACCTCC ----CACCTG-	
MA0103.1_ZEB1	1.1702e-04	GGAGGTGGGGG -NAGGTG----	
MA0339.1_MIG3	1.3360e-04	GGAGGTGGGGG ---NGYGGGG-	
MA0039.2_Klf4	1.4287e-04	CCCCACCTCC GCCMCRC CN-	
MA0073.1_RREB1	1.7298e-04	-----GGAGGTGGGGG- NGKKKGKGGGTGKTTTGGGG	

M42



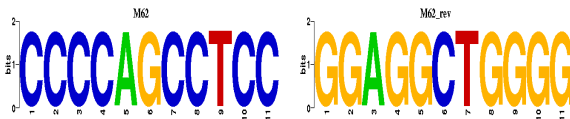
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.4192e-10	CCCCTTCCCC CCCCNCCCCC-	
MA0366.1_RGM1	1.0406e-05	CCCCTTCCCC CCCCT-----	
MA0342.1_MSNA	1.0929e-05	GGGGGAAGGGG -----AGGGG	
MA0341.1_MSNA	2.6803e-05	GGGGGAAGGGG -----AGGGG	
MA0065.2_PPARG_RXRA	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_PLAG1	2.3997e-04	-CCCCTTCCCC-- CCCCCTTNGGCCCC	
MA0080.1_SFI1	2.4265e-04	CCCCTTCCCC ---STTCN--	
MA0039.1_Klf4	4.0315e-04	CCCCTTCCCC- --CCTTYYYTTN	

M27



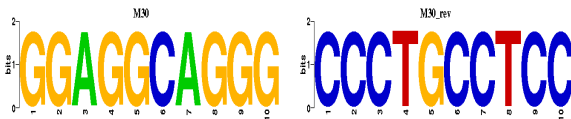
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.5619e-07	GGAGGCTGGGG GGGGGNGGGG-	
MA0344.1_NHP10	1.9410e-04	GGAGGCTGGGG- ----NCCGGGGA	
MA0039.2_Klf4	7.0420e-04	-CCCCAGCCTCC GCCMCRCCCN--	
MA0073.1_RREB1	7.2490e-04	-----GGAGGCTGGGG- NGKKKGKGGGTGKTTTGGGG	
MA0332.1_MET28	8.0586e-04	CCCAGCCTCC CCACAG-----	
MA0323.1_IXR1	9.8263e-04	----GGAGGCTGGGG AARCCGGAAGCGGKG-	
MA0267.1_ACE2	1.0967e-03	GGAGGCTGGGG ---NGCTGGN-	
MA0268.1_ADR1	1.2919e-03	GGAGGCTGGGG- ----KTGGGN	
MA0436.1_YPR022C	1.3287e-03	GGAGGCTGGGG ----NGTGGGG	
MA0079.1_SP1	1.3347e-03	CCCAGCCTCC ACCCNGCCNN-	

M62



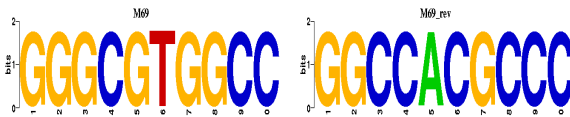
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.5619e-07	GGAGGCTGGGG GGGGGNGGGG-	
MA0344.1_NHP10	1.9410e-04	GGAGGCTGGGG- ----NCCGGGGA	
MA0039.2_Klf4	7.0420e-04	-CCCCAGCCTCC GCCMCRCCCN--	
MA0073.1_RREB1	7.2490e-04	-----GGAGGCTGGGG- NGKKKGKGGGTGKTTTGGGG	
MA0332.1_MET28	8.0586e-04	CCCAGCCTCC CCACAG-----	
MA0323.1_IXR1	9.8263e-04	----GGAGGCTGGGG AARCCGGAAGCGGKG-	
MA0267.1_ACE2	1.0967e-03	GGAGGCTGGGG ---NGCTGGN-	
MA0268.1_ADR1	1.2919e-03	GGAGGCTGGGG- ----KTGGGN	
MA0436.1_YPR022C	1.3287e-03	GGAGGCTGGGG ----NGTGGGG	
MA0079.1_SP1	1.3347e-03	CCCAGCCTCC ACCCNGCCNN-	


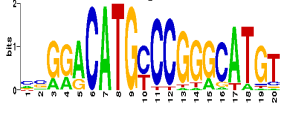
M30



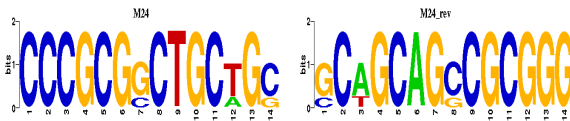
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	6.0551e-08	GGAGGCAGGG GGGGNGGGG	
MA0323.1_IXR1	1.2352e-04	CCCTGCCTCC----- CMCCGCTTCCGGYTT	
MA0079.1_SP1	6.1064e-04	-CCCTGCCTCC ACCCNGCCNN-	
MA0364.1_REI1	6.7413e-04	GGAGGCAGGG- ----NCAGGGG	
MA0340.1_MOT3	8.8002e-04	CCCTGCCTCC ---TRCCTN-	
MA0149.1_EWSR1-FLI1	1.2139e-03	---CCCTGCCTCC----- CCTTCCTTCCTTCCTTC	
MA0090.1_TEAD1	2.7504e-03	-GGAGGCAGGG- CNSWGAATGTR	
MA0099.2_AP1	3.8116e-03	GGAGGCAGGG TGAGTCA---	
MA0080.2_SPI1	3.8906e-03	CCCTGCCTCC -ACTTCCT--	
MA0366.1_RGM1	4.0551e-03	GGAGGCAGGG- -----AGGGG	

M69



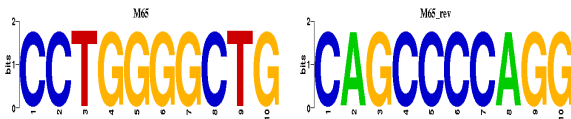
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	2.1939e-10	GGCCACGCCC- -GCCMCRCCCN	
MA0450.1_hkb	1.5672e-07	GGCCACGCCC- --TCACGCCCM	
MA0097.1_bZIP911	3.3369e-07	GGCCACGCCC-- GGCCACGTCAYC	
MA0162.1_Egr1	3.1007e-05	GGGCGTGGCC-- -NGCGTGGGCGK	
MA0079.2_SP1	5.7361e-05	--GGGCGTGGCC GGGGNGGGG--	
MA0006.1_Arnt_Ahr	6.8445e-05	GGCCACGCCC ---CACGCN-	
MA0106.1_TP53	1.5305e-04	--GGCCACGCCC----- NNGGACATGCCCGGGCATGT	
MA0104.2_Mycn	2.7419e-04	GGCCACGCCC- -GCCACGTGSN	
MA0381.1_SKN7	4.2788e-04	GGGCGTGGCC ----NYGGCC	
MA0334.1_MET32	6.7612e-04	GGGCGTGGCC ---TGTGGCN	

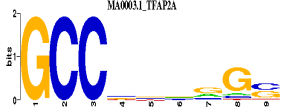
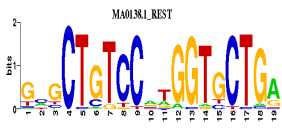

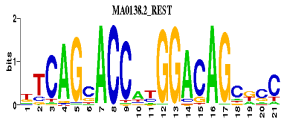


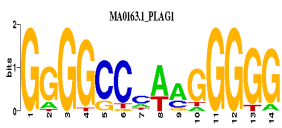


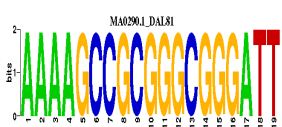
M24



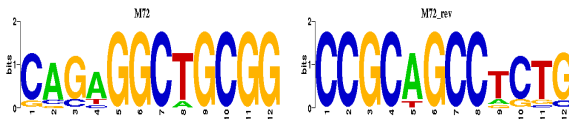
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	2.6469e-09	--GCTGCTGCTG CAGCAGYTGCYK	
MA0454.1_odd	6.3761e-07	GCTGCTGCTG-- -NTGCTACTGTN	
MA0048.1_NHLH1	2.7420e-05	CAGCAGCAGC-- NCGCAGCTGCGN	
MA0402.1_SWI5	1.7588e-04	GCTGCTGCTG --TGCTGGTN	
MA0138.1_REST	3.9371e-04	-CAGCAGCAGC----- TCAGCACCWNGGACAGCNC	
MA0287.1_CUP2	4.4767e-04	CAGCAGCAGC- CAGCARAAAWG	
MA0138.2_REST	6.5826e-04	-----GCTGCTGCTG-- GNNGCTGTCCNNGGTGCTGAN	
MA0394.1_STP1	1.2748e-02	CAGCAGCAGC NMGCCGCR--	
MA0111.1_Spz1	1.8554e-02	GCTGCTGCTG- GCTGWTACCT	
MA0456.1_opa	1.9143e-02	CAGCAGCAGC-- CNGCGGGGGK	

M65



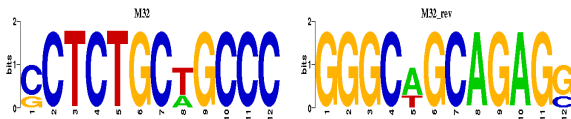
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0003.1_TFAP2A	8.2326e-06	-CCTGGGGCTG SCNNNNGGC--	
MA0138.1_REST	2.3742e-05	-CAGCCCCAGG----- TCAGCACCWNGGACAGCNC	
MA0154.1_EBF1	5.7024e-05	--CCTGGGGCTG TCCCTNGGGN--	
MA0138.2_REST	7.1764e-05	-----CCTGGGGCTG-- GNNGCTGTCCNNGGTGCTGAN	
MA0213.1_brk	1.7897e-04	CAGCCCCAGG -RGCGCCRS-	
MA0332.1_MET28	5.3056e-04	CAGCCCCAGG ---CCACAG-	
MA0163.1_PLAG1	6.5273e-04	---CCTGGGGCTG- CCCCCTTNGGCCCC	
MA0268.1_ADR1	8.1934e-04	CCTGGGGCTG -KTGGGGN--	
MA0436.1_YPR022C	8.4360e-04	CCTGGGGCTG NGTGGGG---	
MA0290.1_DAL81	1.5185e-03	-----CCTGGGGCTG-- AATCCCGCCCGCGGCTTTT	



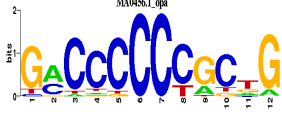

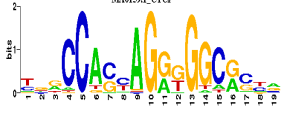

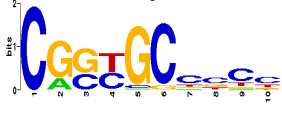
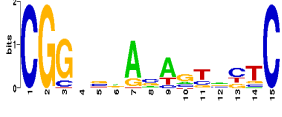
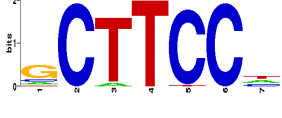

M72



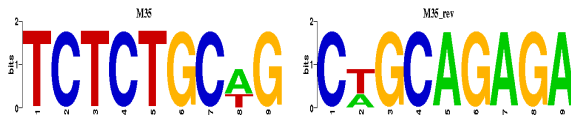
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	6.2878e-04	CAGAGGCTGCGG CAGCAGYTGCYK	
MA0048.1_NHLH1	8.1552e-04	CAGAGGCTGCGG NCGCAGCTGCGN	
MA0332.1_MET28	1.1922e-03	CCGCAGCCTCTG CCACAG-----	
MA0290.1_DAL81	2.3083e-03	-----CCGCAGCCTCTG AATCCCGCCCGCGGCTTTT-	
MA0146.1_Zfx	3.1585e-03	CAGAGGCTGCGG---- --NAGGCCNNGGCNNN	
MA0123.1_abi4	1.1629e-02	CAGAGGCTGCGG -NGNNGCRSCG-	
MA0242.1_run_Bgb	1.2570e-02	CAGAGGCTGCGG--- -----TTGCGGTTW	
MA0081.1_SPIB	1.3690e-02	CCGCAGCCTCTG ----TTCKST-	
MA0364.1_REI1	1.5417e-02	-CAGAGGCTGCGG NCAGGGG-----	
MA0260.1_che-1	1.6005e-02	CAGAGGCTGCGG ----GGYTTC--	

M32



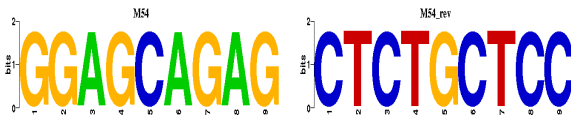
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0287.1_CUP2	8.6148e-04	GGGCAGCAGAGG-- ---CAGCARAAAWG	
MA0111.1_Spz1	1.0217e-03	CCTCTGCTGCCC- --GCTGWTACCCT	
MA0456.1_opa	1.2655e-03	---CCTCTGCTGCCC GMCCCCCGCNG---	
MA0048.1_NHLH1	1.4372e-03	GGGCAGCAGAGG NCGCAGCTGCGN	
MA0139.1_CTCF	1.6635e-03	-----CCTCTGCTGCCC- NNSYGCCMCTRSTGNNR	
MA0055.1_Myf	2.0376e-03	GGGCAGCAGAGG MRGCARCTGCTG	
MA0123.1_abi4	5.2481e-03	--GGGCAGCAGAGG NGNNGCRSCG----	
MA0299.1_GAL4	6.5415e-03	--CCTCTGCTGCCC- GANNRNTNTNCCG	
MA0305.1_GCR2	1.0003e-02	GGGCAGCAGAGG NGGAAGC-----	
MA0364.1_REI1	1.0465e-02	GGGCAGCAGAGG -----NCAGGGG	


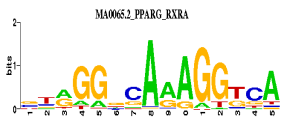






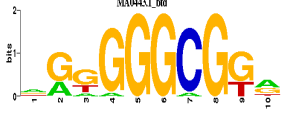

M35



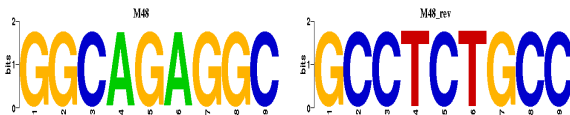
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0287.1_CUP2	5.0658e-05	--TCTCTGCAG CWTTTTYGCTG	
MA0150.1_NFE2L2	3.8680e-03	---TCTCTGCAG RTGACWNAGCA-	
MA0055.1_Myf	4.4520e-03	---TCTCTGCAG MRGCARCTGCTG	
MA0320.1_IME1	4.7340e-03	TCTCTGCAG -CTCGGCGG	
MA0385.1_SOK2	5.2666e-03	TCTCTGCAG-- NNNMTGCAKNN	
MA0354.1_PDR8	6.6653e-03	-TCTCTGCAG ATCTCCGN--	
MA0432.1_YNR063W	6.9302e-03	-TCTCTGCAG ATCTCCGA--	
MA0254.1_vv1	8.5237e-03	TCTCTGCAG --TATKCA-	
MA0283.1_CHA4	1.0565e-02	CTGCAGAGA -GGCGGAGN	
MA0062.1_GABPA	1.2099e-02	TCTCTGCAG-- -SNCTTCCGGT	

M54



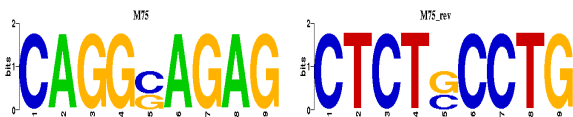
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0326.1_MAC1	7.5503e-05	CTCTGCTCC -TTTGCTCR	
MA0065.2_PPARG_RXRA	9.4371e-05	----CTCTGCTCC-- TGMCCTTTGNCCYNN	
MA0140.1_Tal1_Gata1	1.5882e-03	---CTCTGCTCC----- NTTATCTNNNNNNNNC	
MA0123.1_abi4	2.5826e-03	-GGAGCAGAG NGNNGCRSCG	
MA0287.1_CUP2	2.6338e-03	GGAGCAGAG--- -CAGCARAAAWG	
MA0299.1_GAL4	4.3415e-03	----CTCTGCTCC- GANNRNTNTNNNCCG	
MA0454.1_odd	5.6791e-03	CTCTGCTCC---- --NTGCTACTGTN	
MA0283.1_CHA4	1.0565e-02	GGAGCAGAG- --GGCGGAGN	
MA0443.1_btd	1.0572e-02	CTCTGCTCC-- -YCCGCCMCN	
MA0323.1_IXR1	1.0575e-02	CTCTGCTCC----- CMCCGCTTCCGGYTT	

M48



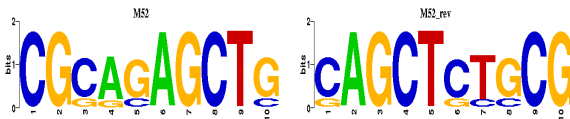
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.2_PPARG_RXRA	2.5526e-06	--GCCTCTGCC---- TGMCCTTTGNCCYNN	
MA0283.1_CHA4	1.0413e-04	GCCTCTGCC -NCTCCGCC	
MA0114.1_HNF4A	4.2368e-04	--GGCAGAGGC-- RGNNCAAAGKNCA	
MA0146.1_Zfx	4.7098e-04	--GGCAGAGGC-- NAGGCCNNGCENN	
MA0062.1_GABPA	1.3055e-03	GCCTCTGCC--- --SNCTTCCGGT	
MA0364.1_REI1	2.1601e-03	GGCAGAGGC -NCAGGGG-	
MA0081.1_SPIB	3.9044e-03	-GCCTCTGCC TTCKST---	
MA0278.1_BAS1	5.3370e-03	-----GCCTCTGCC----- NNNWNVTGACTCNGGCYNNNN	
MA0048.1_NHLH1	6.0900e-03	-GGCAGAGGC-- NCGCAGCTGCGN	
MA0150.1_NFE2L2	6.7506e-03	GGCAGAGGC-- TGCTNWGTCAY	

M75



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0062.1_GABPA	7.0918e-05	-CAGGSAGAG ACCGGAAGNS	
MA0159.1_RXR_RAR_DR5	2.6868e-04	----CTCTSCCTG---- TGACCTNYNNNTGAMCY	
MA0283.1_CHA4	4.1181e-04	-CTCTSCCTG NCTCCGCC--	
MA0112.2_ESR1	7.5455e-04	-----CTCTSCCTG---- NNNNNAGGTCANNNTGACCY	
MA0340.1_MOT3	8.7727e-04	CTCTSCCTG ---TRCCTN	
MA0065.2_PPARG_RXRA	9.5239e-04	----CTCTSCCTG-- TGMCCTTTGNCCYNN	
MA0156.1_FEV	2.8120e-03	CTCTSCCTG -AYTTCTG	
MA0144.1_Stat3	2.8311e-03	CTCTSCCTG--- --CTTCNGGAA	
MA0413.1_USV1	4.2167e-03	-----CAGGSAGAG---- NNNNNNTTCAGGGKANNNN	
MA0138.1_REST	5.3885e-03	-----CAGGSAGAG---- TCAGCACCWNGGACAGCNC	

M52



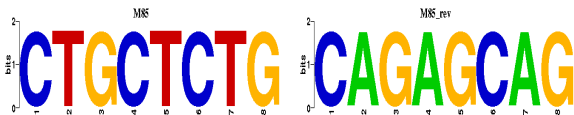
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0320.1_IME1	5.2490e-04	CAGCTCTGCG-- ---CTCGGCGG	
MA0354.1_PDR8	5.0706e-03	CAGCTCTGCG-- ---ATCTCCGN	
MA0048.1_NHLH1	5.5094e-03	CGCAGAGCTG--- -NCGCAGCTGCGN	
MA0399.1_SUT1	6.0918e-03	CAGCTCTGCG ---CCCCGCG	
MA0432.1_YNR063W	6.2562e-03	CAGCTCTGCG-- ---ATCTCCGA	
MA0352.1_PDR1	6.2659e-03	CAGCTCTGCG-- ----TCCGCGGN	
MA0335.1_MET4	6.6895e-03	CGCAGAGCTG -CCACAGNT-	
MA0353.1_PDR3	6.8421e-03	--CGCAGAGCTG TCCGCGGA----	
MA0283.1_CHA4	1.0958e-02	CGCAGAGCTG GGCGGAGN--	
MA0389.1_SRD1	1.4302e-02	CGCAGAGCTG -NNAGATCT-	

M60



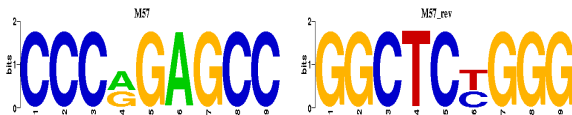
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0267.1_ACE2	6.9099e-04	CAGAGCTGGG ---NGCTGGN	
MA0048.1_NHLH1	1.7298e-03	-CCCAGCTCTG- NCGCAGCTGCGN	
MA0456.1_opa	1.9569e-03	CAGAGCTGGG-- CNGCGGGGGGKC	
MA0402.1_SWI5	2.2346e-03	-CCCAGCTCTG NACCAGCA---	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

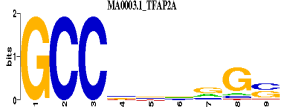








M85



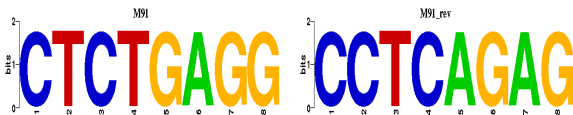
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0451.1_kni	1.0701e-04	CTGCTCTG---- NIGCTCTANTTT	
MA0326.1_MAC1	6.2017e-04	-CTGCTCTG TTTGCTCR-	
MA0276.1_ASH1	3.9871e-03	-CAGAGCAG- CCRNATCRGG	
MA0081.1_SPIB	9.9103e-03	CTGCTCTG TTCCKST-	
MA0316.1_HAP5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






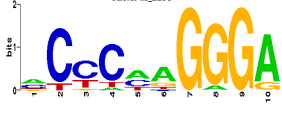

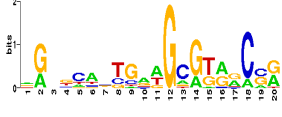


M57



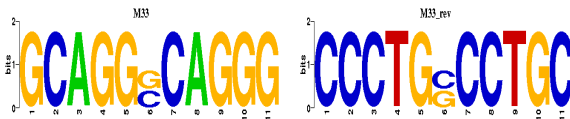
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0003.1_TFAP2A	6.8224e-04	-CCCRGAGCC SCNNNNGGC-	
MA0404.1_TBS1	8.4307e-04	CCCRGAGCC- --CGGNTCCG	
MA0278.1_BAS1	1.1810e-03	-----CCCRGAGCC----- NNNNRGCCNGAGTCARNWNNN	
MA0280.1_CAT8	1.3256e-03	GGCTCYGGG --NTCCGG-	
MA0275.1_ASG1	1.5252e-03	GGCTCYGGG --WTCCGG-	
MA0332.1_MET28	1.9857e-03	CCCRGAGCC -CCACAG--	
MA0451.1_kni	2.6236e-03	--CCCRGAGCC- AAANTAGAGCAN	
MA0213.1_brk	2.9445e-03	GGCTCYGGG RGCGCCRS-	
MA0276.1_ASH1	4.0275e-03	CCCRGAGCC-- -CCRNATCRGG	
MA0316.1_HAP5	5.2067e-03	----CCCRGAGCC-- ACCAATNAGMNNSSN	

M91

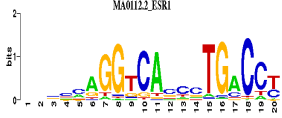
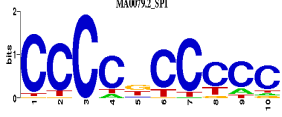


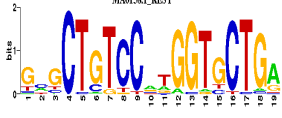
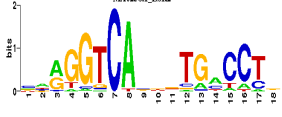
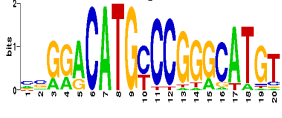
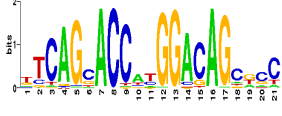

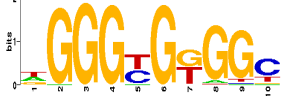


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	1.6557e-04	CCTCAGAG CCACAG--	
MA0320.1_IME1	3.8306e-04	CCTCAGAG CCGCCGAG	
MA0432.1_YNR063W	3.4284e-03	--CTCTGAGG ATCTCCGA--	
MA0335.1_MET4	3.6086e-03	CCTCAGAG CCACAGNT	
MA0282.1_CEP3	7.2147e-03	-CTCTGAGG NTTCCGAR-	
MA0154.1_EBF1	7.2897e-03	-CTCTGAGG- TCCCTNGGGN	
MA0096.1_bZIP910	8.4184e-03	-CCTCAGAG ACGTCAK--	
MA0014.1_Pax5	1.1241e-02	-----CCTCAGAG----- YSGYYMCGCWNCRNNNNNNCN	
MA0150.1_NFE2L2	1.1507e-02	CTCTGAGG--- TGCTN WGTCAY	
MA0353.1_PDR3	1.2572e-02	CTCTGAGG- -TCCGCGGA	

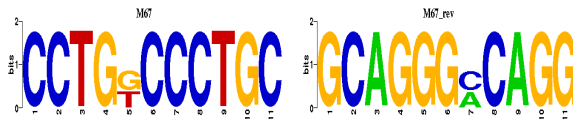
M33



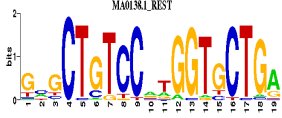
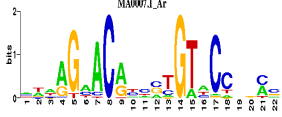
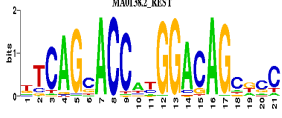




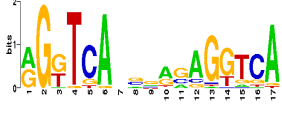


forward *reverse compliment*

Name	E value	Alignment	Motif
MA0112.2_ESR1	1.3632e-04	GCAGGSCAGGG----- --RGGTCANNNTGACCTNNNNN	
MA0079.2_SP1	7.9439e-04	GCAGGSCAGGG -GGGGGNGGGG	
MA0364.1_REI1	1.0709e-03	GCAGGSCAGGG- -----NCAGGGG	
MA0344.1_NHP10	1.9523e-03	-CCCTGSCCTGC TCCCCGGN----	
MA0138.1_REST	2.2945e-03	-----CCCTGSCCTGC-- TCAGCACCWNGGACAGCNC	
MA0258.1_ESR2	2.9801e-03	-----CCCTGSCCTGC NAGGNCANNNTGACCYN	
MA0106.1_TP53	3.9605e-03	GCAGGSCAGGG----- ACATGCCCGGGCATGTCCNN	
MA0138.2_REST	4.9631e-03	-----CCCTGSCCTGC-- NTCAGCACCNNGGACAGCNNC	
MA0366.1_RGM1	5.5788e-03	GCAGGSCAGGG- -----AGGGG	
MA0039.2_Klf4	6.0553e-03	-CCCTGSCCTGC GCCMCRCCN--	

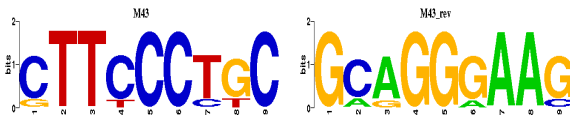
M67



forward *reverse compliment*

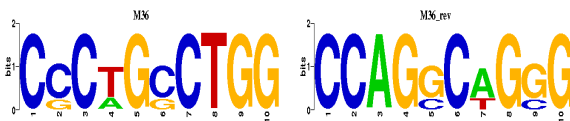
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0138.1_REST	3.5501e-04	-----GCAGGGMCAGG-- TCAGCACCCWNGGACAGCNC	
MA0007.1_Ar	6.1846e-04	-----CCTGKCCCTGC- NNNAGNACANNNTGTNCCNNMN	
MA0138.2_REST	9.5365e-04	-----GCAGGGMCAGG--- NTCAGCACCCNNGGACAGCNCN	
MA0364.1_REI1	1.0709e-03	GCAGGGMCAGG NCAGGGG----	
MA0213.1_brk	1.6881e-03	GCAGGGMCAGG --RGCGCCRS--	
MA0381.1_SKN7	3.0793e-03	CCTGKCCCTGC -NYGGC----	
MA0207.1_achi	3.2851e-03	CCTGKCCCTGC -CTGTCA----	
MA0159.1_RXR_RAR_DR5	4.3407e-03	---CCTGKCCCTGC--- TGACCTNYNNNTGAMCY	
MA0366.1_RGM1	5.5788e-03	GCAGGGMCAGG --AGGGG----	
MA0227.1_hth	5.9324e-03	CCTGKCCCTGC -CTGTCA----	


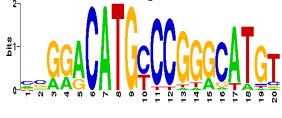
M43



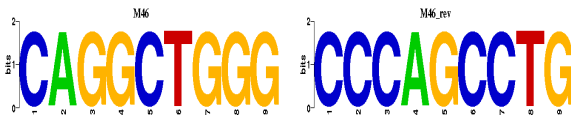
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0080.1_SPI1	5.8410e-05	CTTCCCTGC STTCN---	
MA0039.1_Klf4	1.1930e-04	-CTTCCCTGC CCTTYYYTNN	
MA0156.1_FEV	1.7320e-04	GCAGGGAAG -CAGGAART	
MA0080.2_SPI1	4.5768e-04	-CTTCCCTGC ACTTCCT---	
MA0305.1_GCR2	4.5828e-04	GCAGGGAAG- ---NGGAAGC	
MA0364.1_REI1	5.2595e-04	GCAGGGAAG NCAGGGG--	
MA0344.1_NHP10	6.4987e-04	CTTCCCTGC -TCCCCGGN	
MA0149.1_EWSR1-FLI1	6.8107e-04	----GCAGGGAAG----- GGAAGGAAGGAAGGAAGG	
MA0154.1_EBF1	8.1285e-04	CTTCCCTGC--- --TCCCTNGGGN	
MA0026.1_Eip74EF	9.9217e-04	GCAGGGAAG --CCGGAAR	

M36



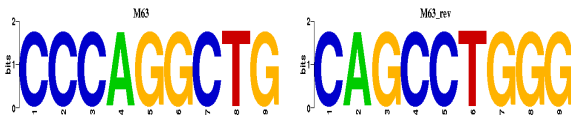
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0144.1_Stat3	3.5897e-05	CCCTGCCTGG-- --CTTCNGGAA	
MA0340.1_MOT3	2.8675e-04	CCCTGCCTGG ---TRCCTN-	
MA0079.1_SPI	1.2453e-03	-CCCTGCCTGG ACCCNGCCNN-	
MA0364.1_REI1	1.2773e-03	CCAGGCAGGG- ----NCAGGGG	
MA0156.1_FEV	2.9477e-03	CCCTGCCTGG -AYTTCCTG-	
MA0155.1_INSM1	5.1167e-03	----CCCTGCCTGG YGCCCCCTGRCA--	
MA0106.1_TP53	6.3862e-03	CCCTGCCTGG----- ACATGCCCGGGCATGTCCNN	
MA0026.1_Eip74EF	6.8408e-03	CCCTGCCTGG --YTTCGG-	
MA0366.1_RGM1	7.5361e-03	CCAGGCAGGG- -----AGGGG	
MA0080.2_SPI1	7.8247e-03	CCCTGCCTGG -ACTTCCT--	


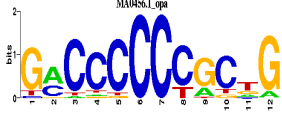


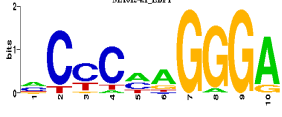
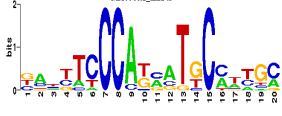
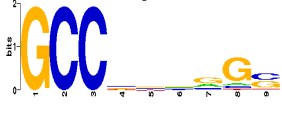
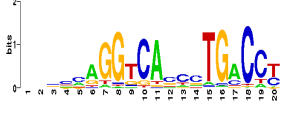
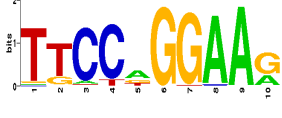
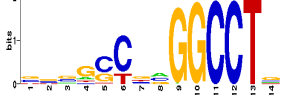
M46



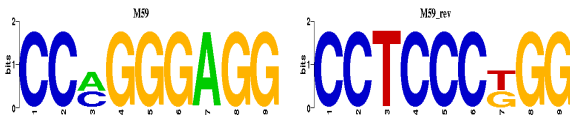
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0088.1_znf143	1.0428e-04	-----CCCAGCCTG----- NNNNTCCCAKNNTKCMNNGM	
MA0079.1_SP1	2.2123e-04	-CCCAGCCTG ACCCNGCCNN	
MA0267.1_ACE2	3.9729e-04	CAGGCTGGG --NGCTGGN	
MA0402.1_SWI5	1.2050e-03	-CCCAGCCTG NACCAGCA--	
MA0079.2_SP1	1.5429e-03	-CAGGCTGGG GGGGGNGGGG	
MA0112.2_ESR1	3.7636e-03	----CAGGCTGGG----- RGGTCANNNTGACCTNNNNN	
MA0338.1_MIG2	6.0618e-03	CAGGCTGGG --NGYGGGG	
MA0283.1_CHA4	6.8787e-03	-CCCAGCCTG NCTCCGCC--	
MA0344.1_NHP10	7.0944e-03	CAGGCTGGG-- ---NCCGGGGA	
MA0339.1_MIG3	7.5016e-03	CAGGCTGGG --NGYGGGG	



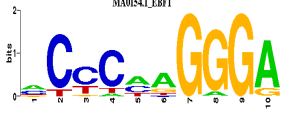

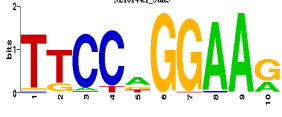


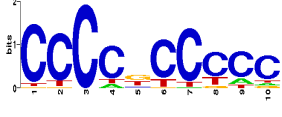


M63



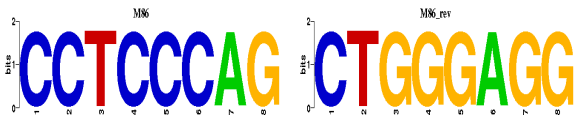
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	4.6270e-05	-CCCAGGCTG TCCCCGNN--	
MA0456.1_opa	1.6178e-04	CAGCCTGGG--- CNGCGGGGGGKC	
MA0116.1_Zfp423	7.9540e-04	--CAGCCTGGG---- GNMMCCYTRGGKSC	
MA0162.1_Egr1	1.1758e-03	CAGCCTGGG--- -NGCGTGGGCGK	
MA0154.1_EBF1	2.6869e-03	CAGCCTGGG-- -TCCCTNGGGN	
MA0088.1_znf143	2.8345e-03	-----CAGCCTGGG----- KCNNKGMANNMTGGGANNNN	
MA0003.1_TFAP2A	3.1333e-03	--CCCAGGCTG SCNNNNGGC--	
MA0112.2_ESR1	3.7636e-03	--CCCAGGCTG----- RGGTCANNNTGACCTNNNNN	
MA0144.1_Stat3	4.3740e-03	CAGCCTGGG- CTTCNGGAA	
MA0146.1_Zfx	4.7261e-03	-CAGCCTGGG---- NAGGCCNNGGCNNN	

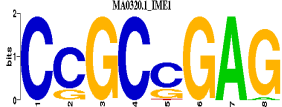
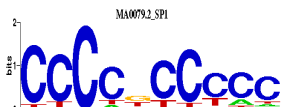
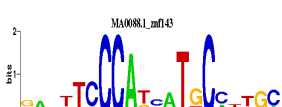





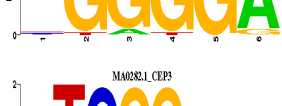

M59



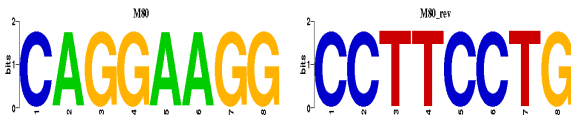
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0026.1_Eip74EF	4.4225e-05	CCTCCCKGG -YTTCCGG-	
MA0358.1_PUT3	1.1905e-04	--CCMGGGAGG NNCCCGGG---	
MA0154.1_EBF1	1.6934e-04	CCTCCCKGG--- --TCCCTNGGGN	
MA0344.1_NHP10	1.8002e-04	CCTCCCKGG- --TCCCCGGN	
MA0144.1_Stat3	1.8881e-04	CCTCCCKGG-- -CTTCCNGGAA	
MA0323.1_IXR1	1.5269e-03	----CCTCCCKGG-- CMCCGCTTCCGGYTT	
MA0156.1_FEV	1.5784e-03	CCTCCCKGG AYTTCTG-	
MA0079.2_SP1	1.6040e-03	--CCTCCCKGG CCCCNCCCC-	
MA0364.1_REI1	2.2025e-03	CCMGGGAGG NCAGGGG--	
MA0062.1_GABPA	2.5126e-03	-CCTCCCKGG SNCTTCCGGT	

M86



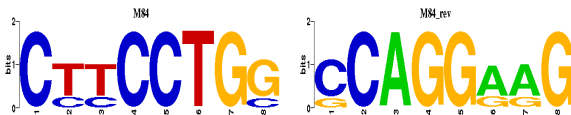
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0320.1_IME1	1.8191e-04	CCTCCCAG CCGCCGAG	
MA0079.2_SP1	4.6853e-04	--CCTCCCAG CCCCNCCCC	
MA0088.1_znf143	1.2344e-03	-----CTGGGAGG-- KCNNKGMANNMTGGGANNNN	
MA0162.1_Egr1	1.5117e-03	CCTCCCAG--- MCGCCACGCN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

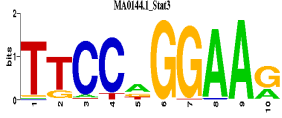




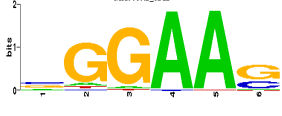
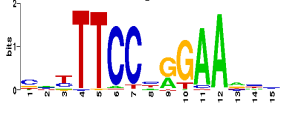


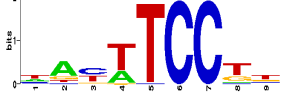
M80



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0156.1_FEV	4.1926e-08	CCTTCCTG AYTTCCTG	
MA0144.1_Stat3	4.7410e-08	CCTTCCTG--- -CTTCCNGGAA	
MA0026.1_Eip74EF	1.6933e-07	CAGGAAGG CCGGAAR-	
MA0080.2_SPI1	1.8409e-07	CCTTCCTG ACTTCCT-	
MA0149.1_EWSR1-FLI1	4.1425e-07	-----CCTTCCTG-- CCTTCCTTCCTTCCTTC	
MA0039.1_Klf4	5.4463e-06	--CAGGAAGG NAARRRAAGG	
MA0062.1_GABPA	4.1976e-05	-CCTTCCTG- SNCTTCCGGT	
MA0080.1_SPI1	4.2939e-05	CCTTCCTG -STTCN-	
MA0076.1_ELK4	5.9748e-05	CCTTCCTG- ACTTCCGGT	
MA0136.1_ELF5	1.0710e-04	CAGGAAGG- NMGGAARTN	

M84



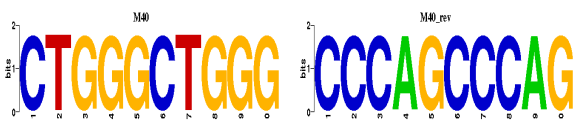
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0144.1_Stat3	3.5793e-11	CTTCCTGG-- CTTCNNGGAA	
MA0156.1_FEV	1.3778e-07	-CTTCCTGG AYTTCCTG-	
MA0026.1_Eip74EF	4.9094e-07	CTTCCTGG YTCCGG-	
MA0080.2_SPI1	4.9954e-07	-CTTCCTGG ACTTCCT--	
MA0062.1_GABPA	9.1674e-05	CCAGGAAG-- ACCGGAAGNS	
MA0080.1_SPI1	1.0861e-04	CTTCCTGG STTCN--	
MA0137.2_STAT1	1.2027e-04	-----CCAGGAAG-- NNNTTCNNGGAARNN	
MA0076.1_ELK4	1.6353e-04	-CTTCCTGG ACTTCGGT	
MA0062.2_GABPA	2.9327e-04	----CTTCCTGG NNCACTTCGG-	
MA0136.1_ELF5	3.3891e-04	CCAGGAAG-- -NMGGAARTN	

M92



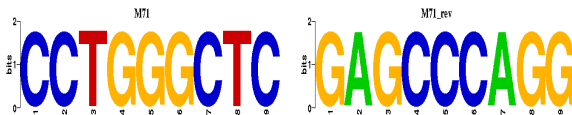
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0144.1_Stat3	9.0496e-10	--TCCTGGA-- CTTCCNGGAA	
MA0137.2_STAT1	2.5375e-06	----TCCTGGA---- NNYTTCNNGGAANN	
MA0156.1_FEV	2.3128e-04	---TCCTGGA AYTTCTG--	
MA0402.1_SWI5	1.2864e-03	TCCTGGA- TGCTGGTN	
MA0086.1_sna	3.4527e-03	-TCCTGGA CACCTG--	
MA0130.1_ZNF354C	3.9854e-03	TCCTGGA- --GTGGAK	
MA0026.1_Eip74EF	7.2912e-03	--TCCTGGA YTTCGG--	
MA0154.1_EBF1	1.0442e-02	-TCCTGGA-- TCCCTNNGGN	
MA0364.1_REI1	1.0481e-02	TCCAGGA- -NCAGGGG	
MA0267.1_ACE2	1.0745e-02	TCCTGGA NGCTGGN	





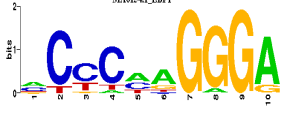
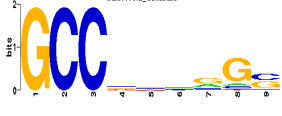
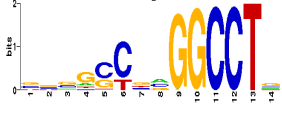



M40



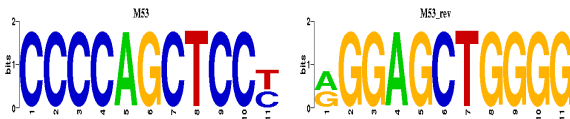
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.5095e-05	CTGGGCTGGG GGGGNNGGGG	
MA0039.2_Klf4	5.8115e-04	-CCCAGCCCAG GCCMCRCCCN-	
MA0079.1_SP1	6.1064e-04	-CCCAGCCCAG ACCCNGCCNN-	
MA0267.1_ACE2	6.9099e-04	CTGGGCTGGG ---NGCTGGN	
MA0320.1_IME1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

M71



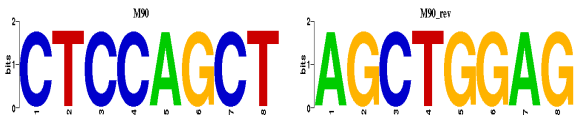
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0163.1_PLAG1	4.4564e-04	----CCTGGGCTC- CCCCCTTNGGCCCC	
MA0162.1_Egr1	1.3532e-03	GAGCCCAGG-- MCGCCCACGCN	
MA0116.1_Zfp423	1.7289e-03	-GAGCCCAGG----- GSMCCYARGGKNC	
MA0368.1_RIM101	2.1210e-03	CCTGGGCTC -CTTGCR-	
MA0154.1_EBF1	2.6869e-03	--CCTGGGCTC TCCCTNGGGN-	
MA0003.1_TFAP2A	4.0328e-03	GAGCCCAGG-- --SCNNNGGC	
MA0146.1_Zfx	4.7843e-03	----CCTGGGCTC- NAGGCCNNGGCNNN	
MA0344.1_NHP10	6.5452e-03	-CCTGGGCTC NCCGGGGA--	
MA0358.1_PUT3	6.5705e-03	--CCTGGGCTC CCCCGGGNN-	
MA0320.1_IME1	8.8676e-03	CCTGGGCTC -CTCGCGG	




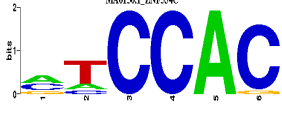

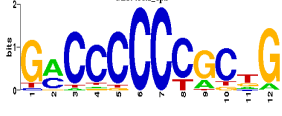

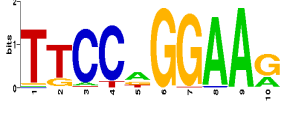


M53



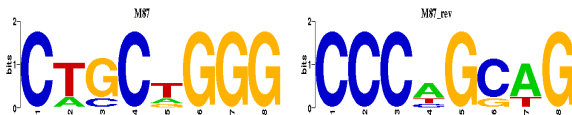
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.9781e-05	RGGAGCTGGGG GGGGNGGGG-	
MA0055.1_Myf	3.7442e-05	CCCCAGCTCCY- CAGCAGYTGCYK	
MA0323.1_IXR1	4.9236e-05	CCCCAGCTCCY----- -CMCCGCTTCCGGYTT	
MA0344.1_NHP10	1.9410e-04	RGGAGCTGGGG- ----NCCGGGGA	
MA0335.1_MET4	2.5138e-04	CCCCAGCTCCY CCACAGNT---	
MA0456.1_opa	3.7331e-04	RGGAGCTGGGG--- --CNGCGGGGGGKC	
MA0048.1_NHLH1	6.0002e-04	CCCCAGCTCCY- NCGCAGCTGCGN	
MA0332.1_MET28	8.0586e-04	CCCCAGCTCCY CCACAG-----	
MA0267.1_ACE2	1.0967e-03	RGGAGCTGGGG ---NGCTGGN-	
MA0268.1_ADR1	1.2919e-03	RGGAGCTGGGG- -----KTGGGGN	

M90



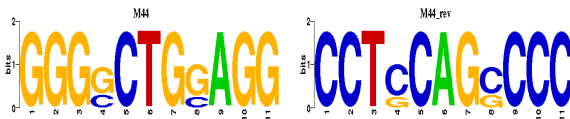
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	2.9626e-05	CTCCAGCT----- CAGCAGYTGCKYK	
MA0267.1_ACE2	1.7345e-04	AGCTGGAG NGCTGGN-	
MA0402.1_SWI5	6.1244e-04	AGCTGGAG TGCTGGTN	
MA0130.1_ZNF354C	8.7226e-04	AGCTGGAG --GTGGAK	
MA0451.1_kni	3.0585e-03	---CTCCAGCT- NTGCTCTANTTT	
MA0456.1_opa	3.6260e-03	-AGCTGGAG--- CNGCGGGGGGK	
MA0410.1_UGA3	4.3694e-03	-AGCTGGAG NGGCGGGA-	
MA0144.1_Stat3	5.1114e-03	--AGCTGGAG CTTCCNGGAA	
MA0048.1_NHLH1	6.4099e-03	CTCCAGCT----- NCGCAGCTGCGN	
MA0247.1_tin	6.5629e-03	AGCTGGAG CACTTGAR	

M87



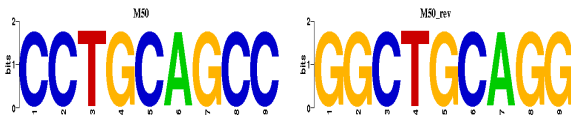
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0402.1_SWI5	4.3404e-06	-CCCWGCAG NACCAGCA-	
MA0456.1_opa	2.3152e-04	CTGCWGGG---- CNGCGGGGGGKC	
MA0267.1_ACE2	2.9406e-04	CTGCWGGG -NGCTGGN	
MA0055.1_Myf	3.0601e-04	CCCWGCAG----- --CAGCAGYTGCYK	
MA0048.1_NHLH1	4.9101e-04	---CTGCWGGG- NCGCAGCTGCGN	
MA0139.1_CTCF	8.2755e-04	--CCCWGCAG----- YNNCCASYAGGKGGCRSNN	
MA0150.1_NFE2L2	1.4324e-03	CTGCWGGG---- -TGCTNWGTCAY	
MA0338.1_MIG2	2.0275e-03	CTGCWGGG -NGYGGGG	
MA0339.1_MIG3	2.4189e-03	CTGCWGGG -NGYGGGG	
MA0079.1_SP1	2.6760e-03	-CCCWGCAG- ACCCNGCCNN	

M44



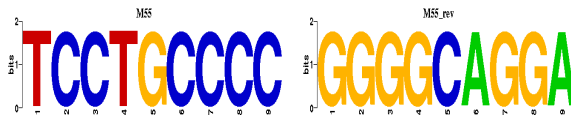
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0450.1_hkb	1.5631e-04	CCTCCAGCCCC --TCACGCCCM	
MA0079.2_SP1	3.5847e-04	-GGGGCTGGAGG GGGGGNGGGG--	
MA0410.1_UGA3	5.4311e-04	CCTCCAGCCCC --TCCCGCCN-	
MA0267.1_ACE2	2.5748e-03	GGGGCTGGAGG --NGCTGGN--	
MA0290.1_DAL81	3.1249e-03	CCTCCAGCCCC----- AATCCCCGCCCGCGCTTTT	
MA0163.1_PLAG1	4.0096e-03	---CCTCCAGCCCC CCCCCTTNGGCCCC	
MA0443.1_btd	4.7220e-03	CCTCCAGCCCC- --YCCGCCCMCN	
MA0130.1_ZNF354C	4.8729e-03	GGGGCTGGAGG ----GTGGAK-	
MA0366.1_RGM1	8.7770e-03	CCTCCAGCCCC- -----CCCCT	
MA0003.1_TFAP2A	9.2324e-03	CCTCCAGCCCC SCNNNNGGC--	


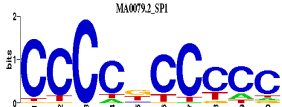








M50



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	1.6358e-03	CCTGCAGCC---- -CAGCAGYTG CYK	
MA0324.1_LEU3	1.9044e-03	-GGCTGCAGG CCGGNNNMGG	
MA0385.1_SOK2	2.9280e-03	GGCTGCAGG-- NNMTGCAKNNN	
MA0260.1_che-1	5.9806e-03	GGCTGCAGG GGYTTC---	
MA0402.1_SWI5	7.6718e-03	GGCTGCAGG-- ---TGCTGGTN	
MA0410.1_UGA3	7.9505e-03	CCTGCAGCC- --TCCC GCCN	
MA0304.1_GCR1	1.0279e-02	CCTGCAGCC -TGGAAGCC	
MA0086.1_sna	1.0436e-02	--CCTGCAGCC CACCTG-----	
MA0269.1_AFT1	1.1445e-02	-----GGCTGCAGG----- NNNNNNGGGTGCAMTANNNNN	
MA0213.1_brk	1.2721e-02	CCTGCAGCC -SYGGCGCY	



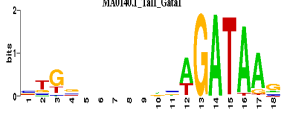
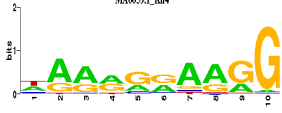
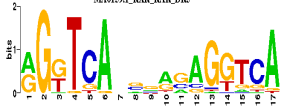




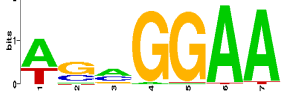
M55



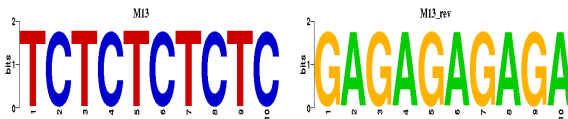
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0450.1_hkb	7.2523e-06	TCCTGCCCC TCACGCCCM	
MA0079.2_SP1	1.1112e-05	-GGGGCAGGA GGGGNGGGG	
MA0290.1_DAL81	6.9142e-05	--TCCTGCCCC----- AATCCCGCCCGGGCTTTT	
MA0410.1_UGA3	1.0711e-04	TCCTGCCCC TCCCGCCN-	
MA0123.1_abi4	1.5352e-04	-GGGGCAGGA NGNNGCRSCG	
MA0443.1_btd	1.5704e-04	TCCTGCCCC- YCCGCCMCN	
MA0112.2_ESR1	1.1492e-03	GGGGCAGGA----- RGGTCANNNTGACCTNNNNN	
MA0140.1_Tal1_Gata1	1.8352e-03	---TCCTGCCCC----- NTTATCTNNNNNNNNCNN	
MA0156.1_FEV	1.9598e-03	---TCCTGCCCC AYTCTCTG----	
MA0341.1_MSN2	2.9116e-03	-GGGGCAGGA AGGG-----	

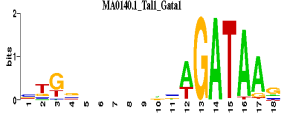


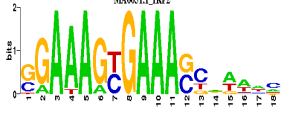
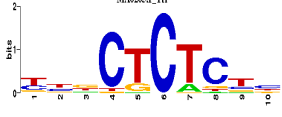
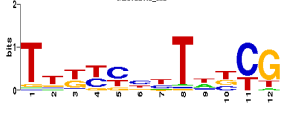
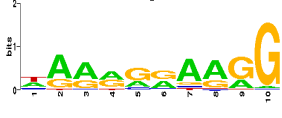

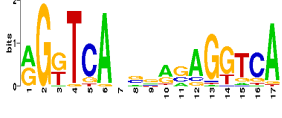

M9



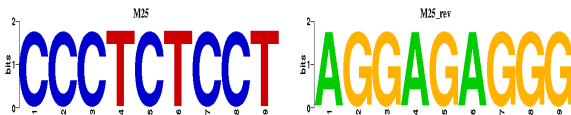
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	6.8317e-03	AGAGAGAGA AAAAAGAAA	
MA0205.1_Tr1	9.1893e-03	-AGAGAGAGA NNGAGAGNNR	
MA0140.1_Tal1_Gata1	1.1257e-02	-----AGAGAGAGA----- NNGNNNNNNNNAGATAAN	
MA0039.1_Klf4	2.1497e-02	TCTCTCTCT- CCTTYYTNN	
MA0159.1_RXR_RAR_DR5	2.5942e-02	---TCTCTCTCT----- TGACCTNYNNNTGAMCY	
MA0050.1_IRF1	3.4038e-02	----TCTCTCTCT GGTTTCRNTTN-	
MA0298.1_FZF1	3.8021e-02	AGAGAGAGA TGATAG---	
MA0057.1_MZF1_5-13	3.8756e-02	-TCTCTCTCT NTNCCCCTMN	
MA0207.1_achi	4.4982e-02	TCTCTCTCT -CTGTCA--	
MA0081.1_SPIB	4.9710e-02	TCTCTCTCT TTCKST--	

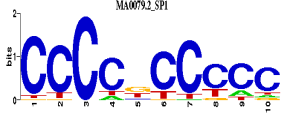
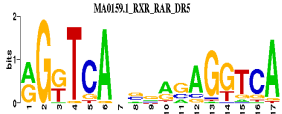



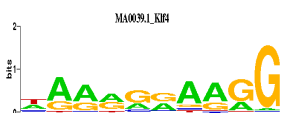




M13



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0140.1_Tal1_Gata1	2.7479e-03	-----GAGAGAGAGA-- NNGNNNNNNNNAGATAAN	
MA0050.1_IRF1	8.7145e-03	--TCTCTCTCTC GGTTTCRNTTTN	
MA0277.1_AZF1	1.2334e-02	GAGAGAGAGA -AAAAAGAAA	
MA0051.1_IRF2	1.6840e-02	-----TCTCTCTCTC- NNWWNRSTTTCRCTTCS	
MA0205.1_Trl	1.7518e-02	--GAGAGAGAGA NNGAGAGNNR--	
MA0120.1_id1	3.1124e-02	-GAGAGAGAGA- CGNNANRRMNA	
MA0039.1_Klf4	3.7344e-02	TCTCTCTCTC CCTYYTNTN	
MA0298.1_FZF1	5.0364e-02	-GAGAGAGAGA TGATAG-----	
MA0159.1_RXR_RAR_DR5	5.6470e-02	---TCTCTCTCTC--- TGACCTNYNNNTGAMCY	
MA0207.1_achi	5.9048e-02	TCTCTCTCTC -CTGTCA---	




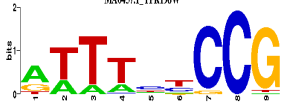
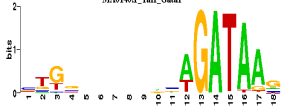

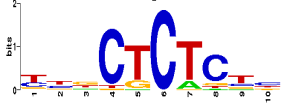

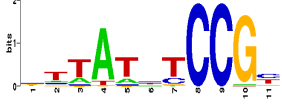
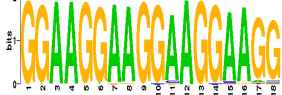
M25



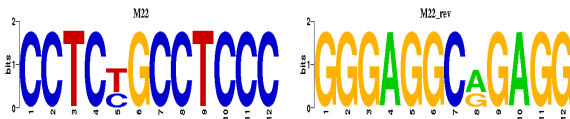
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	4.1813e-05	AGGAGAGGG- GGGGGNGGGG	
MA0159.1_RXR_RAR_DR5	4.6371e-04	--CCCTCTCCT----- TGACCTNYNNNTGAMCY	
MA0354.1_PDR8	1.5359e-03	CCCTCTCCT- --ATCTCCGN	
MA0432.1_YNR063W	1.6070e-03	-AGGAGAGGG TCGGAGAT--	
MA0112.2_ESR1	2.3863e-03	AGGAGAGGG----- RGGTCANNNTGACCTNNNNN	
MA0039.1_Klf4	2.5147e-03	CCCTCTCCT-- -CCTTYYYTTN	
MA0366.1_RGM1	2.9116e-03	AGGAGAGGG- -----AGGGG	
MA0342.1_MSN4	3.2069e-03	-CCCTCTCCT CCCCT-----	
MA0081.1_SPIB	3.9044e-03	-CCCTCTCCT TTCKST---	
MA0341.1_MSN2	5.8483e-03	AGGAGAGGG- -----AGGGG	

M83



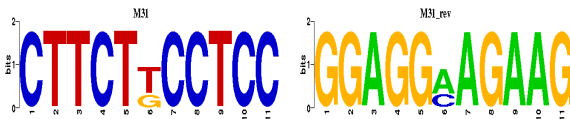
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0354.1_PDR8	6.2682e-04	TCTCTCCT- -ATCTCCGN	
MA0432.1_YNR063W	6.5882e-04	-AGGAGAGA TCGGAGAT-	
MA0422.1_YDR520C	8.3989e-04	-TCTCTCCT- NTAWNTCCGN	
MA0437.1_YPR196W	8.7860e-04	AGGAGAGA- CGGRNAAAT	
MA0140.1_Tal1_Gata1	1.1054e-03	----TCTCTCCT----- NTTATCTNNNNNNNNNCNN	
MA0009.1_T	1.1979e-03	-TCTCTCCT-- TTCACACCTAG	
MA0205.1_Trl	3.5160e-03	AGGAGAGA-- NNGAGAGNNR	
MA0312.1_HAP1	4.0717e-03	TCTCTCCT NAWNTCCG	
MA0439.1_YRR1	4.9509e-03	-AGGAGAGA-- NCGGANATANN	
MA0149.1_EWSR1-FLI1	5.3555e-03	---AGGAGAGA----- GGAAGGAAGGAAGGAAGG	

M22



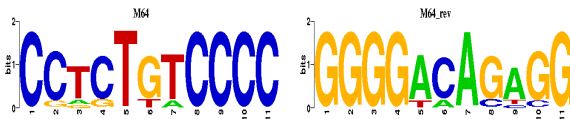
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0283.1_CHA4	2.0526e-05	CCTCTGCCTCCC NCTCCGCC----	
MA0079.2_SPI	2.6963e-05	GGGAGGCAGAGG -GGGGGNGGGG-	
MA0443.1_btd	9.8189e-05	CCTCTGCCTCCC --YCCGCCCMCN	
MA0065.2_PPARG_RXRA	2.3245e-04	---CCTCTGCCTCCC TGMCCTTTGNCCYNN	
MA0373.1_RPN4	1.7284e-03	CCTCTGCCTCCC ----CGCCACC-	
MA0140.1_Tal1_Gata1	2.2711e-03	--CCTCTGCCTCCC---- NTTATCTNNNNNNNNCNN	
MA0123.1_abi4	4.1327e-03	GGGAGGCAGAGG -NGNNGCRSCG-	
MA0340.1_MOT3	4.7411e-03	CCTCTGCCTCCC ----TRCCTN--	
MA0305.1_GCR2	8.4813e-03	GGGAGGCAGAGG NGGAAGC-----	
MA0323.1_IXR1	1.2197e-02	----GGGAGGCAGAGG AARCCGGAAGCGGKG-	

M31



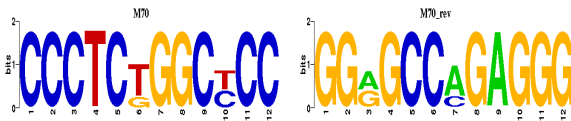
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0080.2_SPI1	7.6955e-06	CTTCTTCCTCC --ACTTCCT--	
MA0081.1_SPIB	4.4852e-05	CTTCTTCCTCC ----TTCKST	
MA0149.1_EWSR1-FL11	1.1308e-04	--CTTCTTCCTCC---- CCTTCCTTCCTTCCTTC	
MA0080.1_SPI1	5.3946e-04	CTTCTTCCTCC ---STTCN--	
MA0090.1_TEAD1	8.1737e-04	CTTCTTCCTCC- YACATTCCWSNG	
MA0156.1_FEV	1.1966e-03	CTTCTTCCTCC --AYTTCCTG-	
MA0127.1_PEND	1.2038e-03	GGAGGAAGAAG- --MATAAGAANT	
MA0062.1_GABPA	1.6701e-03	CTTCTTCCTCC -SNCTTCGGT	
MA0305.1_GCR2	2.1636e-03	GGAGGAAGAAG --NGGAAGC--	
MA0144.1_Stat3	2.2566e-03	CTTCTTCCTCC-- ---CTTCNGGAA	

M64



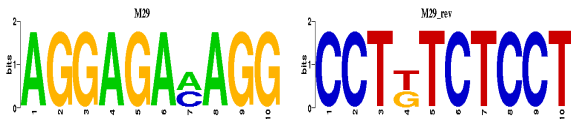
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0140.1_Tal1_Gata1	1.5785e-06	--CCTCTGTCCCC----- NTTATCTNNNNNNNNNCNN	
MA0065.1_PPARG_RXRA	3.9757e-06	---GGGGACAGAG----- NNNGRGGTCAAAGGTCANN	
MA0065.2_PPARG_RXRA	1.2188e-04	---CCTCTGTCCCC- TGMCCTTGNCCYNN	
MA0056.1_MZF1_1-4	1.3787e-04	CCTCTGTCCCC- -----TCCCN	
MA0207.1_achi	2.3999e-04	CCTCTGTCCCC ---CTGTCA--	
MA0227.1_hth	4.9676e-04	CCTCTGTCCCC ---CTGTCA--	
MA0299.1_GAL4	8.2855e-04	--CCTCTGTCCCC-- GANNRNTNTNNNCCG	
MA0163.1_PLAG1	8.4426e-04	---CCTCTGTCCCC CCCCCTTNGGCCCC	
MA0079.2_SP1	9.2544e-04	GGGGACAGAGG GGGGNGGGG-	
MA0016.1_usp	1.2233e-03	CCTCTGTCCCC -NNGTGACCC	

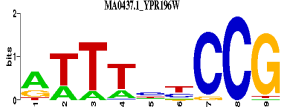

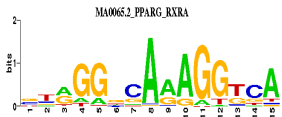

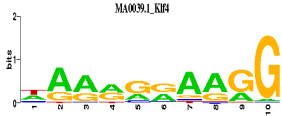

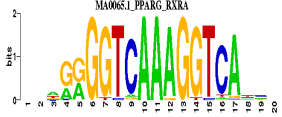
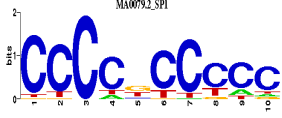


M70



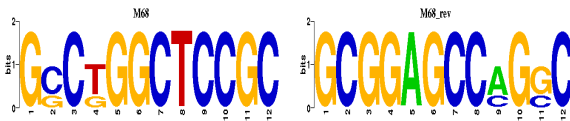
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0163.1_PLAG1	7.3758e-10	--CCCTCTGGCYCC CCCCCTTNGGCCCC	
MA0065.1_PPARG_RXRA	2.4711e-04	---GGRGCCAGAGGG----- NNNGRGGTCAAAGGTCANN	
MA0065.2_PPARG_RXRA	8.3901e-04	-GGRGCCAGAGGG-- NNRGGNCAAAGGKCA	
MA0155.1_INSM1	8.5326e-04	--CCCTCTGGCYCC YGCCCCCTGRCA--	
MA0003.1_TFAP2A	1.0306e-03	CCCTCTGGCYCC SCNNNNGGC---	
MA0213.1_brk	1.4725e-03	GGRGCCAGAGGG RGCGCCRS----	
MA0332.1_MET28	1.6405e-03	GGRGCCAGAGGG ----CCACAG--	
MA0114.1_HNF4A	1.9775e-03	--CCCTCTGGCYCC TGNMCTTTGNNCY-	
MA0092.1_Hand1_T	2.8185e-03	GGRGCCAGAGGG -NWNCCAGAYN-	
MA0450.1_hkb	3.6106e-03	CCCTCTGGCYCC ---TCACGCCCM	


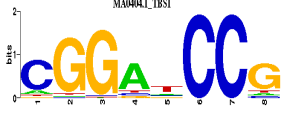



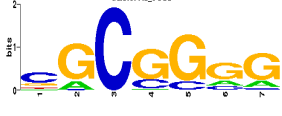




M29



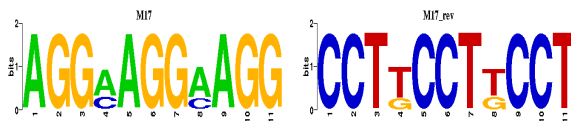
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0437.1_YPR196W	4.0870e-05	AGGAGAMAGG CGGRNAAAT-	
MA0115.1_NR1H2_RXRA	6.9418e-05	-----CCTKTCTCCT-- STTGACCTTTGACCTTT	
MA0065.2_PPARG_RXRA	3.7182e-04	---CCTKTCTCCT-- TGMCCCTTGNCYNN	
MA0287.1_CUP2	5.5543e-04	-AGGAGAMAGG CAGCARAAAWG	
MA0039.1_Klf4	7.1428e-04	AGGAGAMAGG NAARRRAAGG	
MA0207.1_achi	1.6759e-03	CCTKTCTCCT -CTGTCA---	
MA0065.1_PPARG_RXRA	1.9788e-03	-----CCTKTCTCCT----- NNNTGACCTTTGACCYCN	
MA0079.2_SP1	2.3531e-03	AGGAGAMAGG- -GGGGNGGGG	
MA0354.1_PDR8	2.8039e-03	CCTKTCTCCT- ---ATCTCCGN	
MA0227.1_hth	2.8762e-03	CCTKTCTCCT -CTGTCA---	



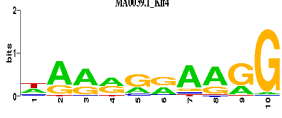

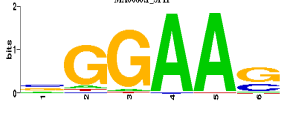
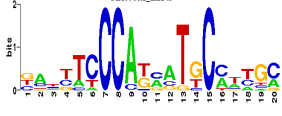

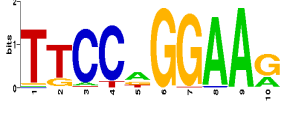
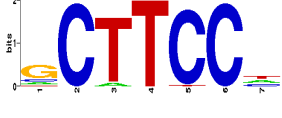

M68



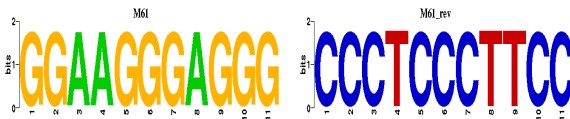
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0283.1_CHA4	9.0223e-05	GCCTGGCTCCGC- -----NCTCCGCC	
MA0404.1_TBS1	3.1283e-04	GCGGAGCCAGGC -CGNTCCG----	
MA0213.1_brk	4.2304e-04	GCGGAGCCAGGC --RGCGCCRS--	
MA0311.1_HAL9	1.7497e-03	GCCTGGCTCCGC -----TTCCG-	
MA0150.1_NFE2L2	3.6203e-03	GCCTGGCTCCGC- --RTGACWNAGCA	
MA0399.1_SUT1	4.4627e-03	-GCGGAGCCAGGC CGCGGG-----	
MA0320.1_IME1	5.4320e-03	GCCTGGCTCCGC-- -----CTCGGCGG	
MA0353.1_PDR3	6.3636e-03	GCCTGGCTCCGC--- -----TCCGCGGA	
MA0360.1_RDR1	6.3636e-03	GCCTGGCTCCGC- -----NTTCCGCN	
MA0354.1_PDR8	6.4782e-03	GCCTGGCTCCGC ----ATCTCCGN	

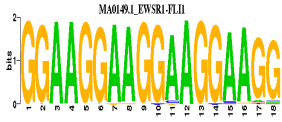
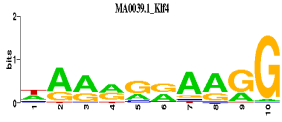
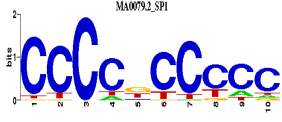
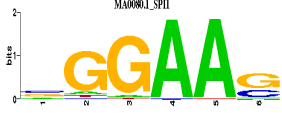

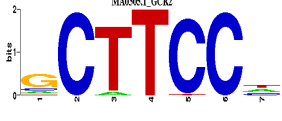


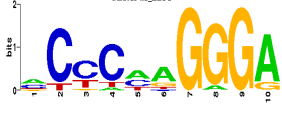

M17



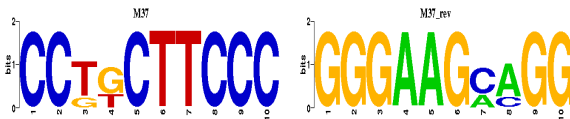
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	2.2204e-16	CCTTCCTTCCT----- CCTTCCTTCCTTCCTTC	
MA0080.2_SPI1	4.8146e-06	CCTTCCTTCCT ACTTCCT----	
MA0039.1_Klf4	8.3534e-06	AGGAAGGAAGG -NAARRRAAGG	
MA0156.1_FEV	1.9081e-04	CCTTCCTTCCT AYTTCCTG----	
MA0080.1_SPI1	3.6776e-04	CCTTCCTTCCT -STTCN-----	
MA0088.1_znf143	4.0007e-04	---AGGAAGGAAGG----- KCNNKGMANNMTGGGANNNN	
MA0026.1_Eip74EF	5.4620e-04	AGGAAGGAAGG ---CCGGAAR--	
MA0144.1_Stat3	1.0068e-03	CCTTCCTTCCT -CTTCNGGAA	
MA0305.1_GCR2	1.5604e-03	AGGAAGGAAGG ----NGGAAGC	
MA0370.1_RME1	2.2869e-03	-AGGAAGGAAGG TNNAAGGNA--	

M61



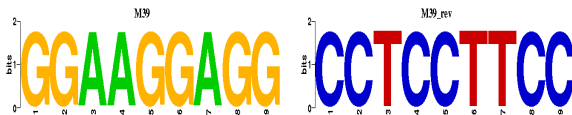
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FL11	1.7836e-08	GGAAGGGAGGG----- GGAAGGAAGGAAGGAAGG	
MA0039.1_Klf4	7.1370e-06	GGAAGGGAGGG -NAARRRAAGG	
MA0079.2_SP1	8.0137e-05	GGAAGGGAGGG- --GGGGGNGGGG	
MA0080.1_SPI1	2.4265e-04	CCCTCCCTTCC- -----STTCN	
MA0323.1_IXR1	5.3041e-04	CCCTCCCTTCC----- -CMCCGCTTCCGYTT	
MA0305.1_GCR2	1.0716e-03	CCCTCCCTTCC- -----GCTTCN	
MA0080.2_SPI1	1.1459e-03	CCCTCCCTTCC- -----ACTTCCT	
MA0026.1_Eip74EF	1.7577e-03	CCCTCCCTTCC-- -----YTTCCGG	
MA0154.1_EBF1	2.8262e-03	CCCTCCCTTCC-- ---TCCCTNGGNG	
MA0304.1_GCR1	4.6015e-03	CCCTCCCTTCC- ----GCCTCCA	


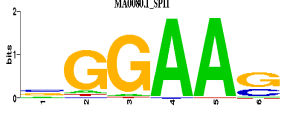
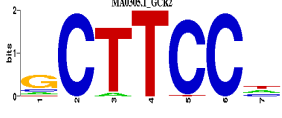


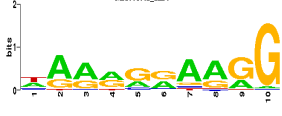



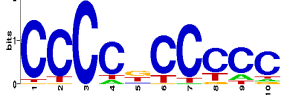
M37



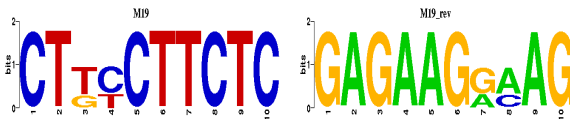
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0305.1_GCR2	5.2690e-06	CCTGCTTCCC ---GCTTCN	
MA0304.1_GCR1	1.7011e-05	CCTGCTTCCC --GGCTTCCA	
MA0323.1_IXR1	5.8093e-05	-CCTGCTTCCC---- CMCCGCTTCCGGYTT	
MA0080.1_SPI1	1.5380e-04	CCTGCTTCCC ----STTCN	
MA0111.1_Spz1	4.6086e-04	CCTGCTTCCC- GCTGWTACCT	
MA0149.1_EWSR1-FLI1	6.9013e-04	----CCTGCTTCCC---- CCTTCCTTCTTCTTCC	
MA0080.2_SPI1	7.2331e-04	CCTGCTTCCC ---ACTTCT	
MA0026.1_Eip74EF	1.1287e-03	CCTGCTTCCC- ----YTTCGG	
MA0260.1_che-1	2.1274e-03	CCTGCTTCCC --GGYTTC--	
MA0417.1_YAP5	2.1787e-03	CCTGCTTCCC -ATGCTT---	

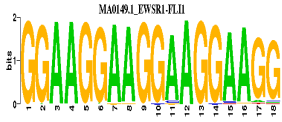

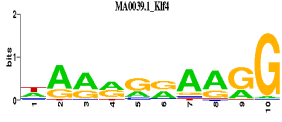
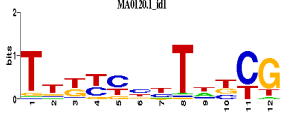
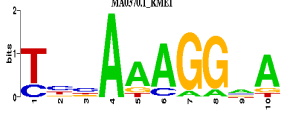

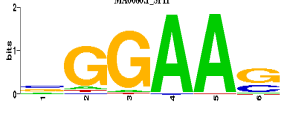


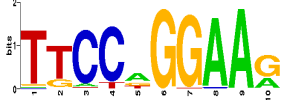
M39



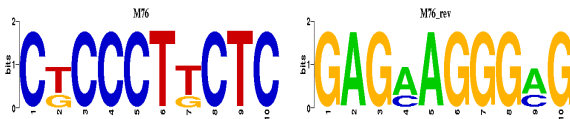
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FL11	8.5338e-08	-----CCTCCTTCC CCTTCCTTCCTTCCTTCC	
MA0080.1_SPI1	9.1317e-05	CCTCCTTCC- ----STTCN	
MA0305.1_GCR2	3.8743e-04	CCTCCTTCC- ---GCTTCN	
MA0080.2_SPI1	4.1676e-04	CCTCCTTCC- ---ACTTCCT	
MA0026.1_Eip74EF	6.6418e-04	CCTCCTTCC-- ----YTTCGG	
MA0039.1_Klf4	1.1674e-03	CCTCCTTCC---- ---CCTTYYYTTN	
MA0304.1_GCR1	1.5878e-03	CCTCCTTCC- --GGCTTCCA	
MA0323.1_IXR1	2.1582e-03	-CCTCCTTCC----- CMCCGCTTCGGYTT	
MA0076.1_ELK4	5.0782e-03	CCTCCTTCC--- ---ACTTCCGGT	
MA0079.2_SPI1	5.2952e-03	--CCTCCTTCC CCCNCCCC-	


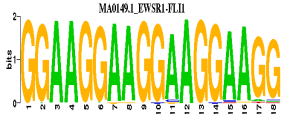
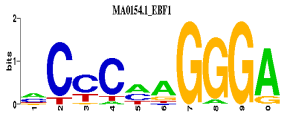





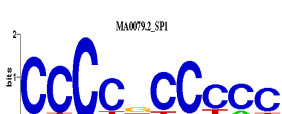

M19



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FL11	7.9693e-07	-----CTTCCTTCTC--- CCTTCCTTCTTCCTTCC	
MA0080.2_SPI1	6.6362e-06	-CTTCCTTCTC ACTTCCT-----	
MA0039.1_Klf4	7.0935e-05	GAGAAGGAAG- -NAARRRAAGG	
MA0120.1_id1	1.4512e-04	-GAGAAGGAAG- CGNNANNRRMNA	
MA0370.1_RME1	5.8189e-04	CTTCCTTCTC- -TNCCTTTNNA	
MA0277.1_AZF1	5.8528e-04	CTTCCTTCTC -TTTCTTTTT	
MA0080.1_SPI1	6.4231e-04	CTTCCTTCTC STTCN-----	
MA0371.1_ROX1	1.2579e-03	GAGAAGGAAG-- GAGAACAATNGR	
MA0156.1_FEV	1.2760e-03	-CTTCCTTCTC AYTTCCTG---	
MA0144.1_Stat3	1.8741e-03	GAGAAGGAAG TTCCNGGAAG	

M76



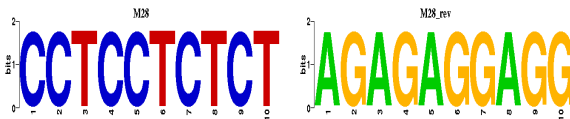
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0120.1_id1	3.3845e-04	-GAGAAGGGAG- CGNNANNRRMNA	
MA0149.1_EWSR1-FLI1	9.2075e-04	-----CTCCCTTCTC CCTTCCTTCCTTCCTTC-	
MA0154.1_EBF1	1.2682e-03	CTCCCTTCTC- -TCCCTNGGGN	
MA0366.1_RGM1	4.0551e-03	GAGAAGGGAG ----AGGGG-	
MA0342.1_MSN4	4.4538e-03	CTCCCTTCTC -CCCCT----	
MA0323.1_IXR1	4.5939e-03	-----CTCCCTTCTC CMCCGCTTCCGGYTT	
MA0289.1_DAL80	5.7932e-03	-GAGAAGGGAG CGATAAG----	
MA0080.2_SPI1	7.3317e-03	-CTCCCTTCTC ACTTCCT----	
MA0079.2_SP1	7.4766e-03	--GAGAAGGGAG GGGGGNGGGG--	
MA0341.1_MSN2	7.9752e-03	GAGAAGGGAG ----AGGGG-	

M81



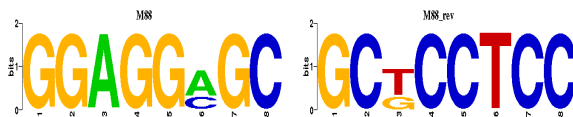
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0035.2_Gata1	4.7102e-05	--CTTCTCT-- NNNTTATCTNN	
MA0029.1_Evi1	3.2333e-04	-----CTTCTCT- NNTTATCTTRTCTN	
MA0289.1_DAL80	4.5528e-04	CTTCTCT CTTATCG	
MA0127.1_PEND	8.7655e-04	--AGAGAAG- MATAAGAANT	
MA0300.1_GAT1	1.0663e-03	CTTCTCT- CTTATCNN	
MA0377.1_SFL1	1.1022e-03	-----AGAGAAG----- NNNNNNANNGAAGAWNNNWNW	
MA0039.1_Klf4	1.2075e-03	-CTTCTCT-- CCTTTYTTN	
MA0437.1_YPR196W	2.5582e-03	-AGAGAAG- CGGRNAAAT	
MA0309.1_GZF3	3.2323e-03	AGAGAAG- NGATAASN	
MA0371.1_ROX1	3.3719e-03	-----CTTCTCT YCNATTGTTCTC-	

M28



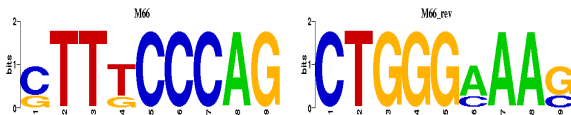
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	2.9280e-05	CCTCCTCTCT -TTCKST--	
MA0080.2_SPI1	3.5194e-03	-CCTCCTCTCT ACTTCCT----	
MA0079.2_SP1	4.0192e-03	--CCTCCTCTCT CCCCNCCCC--	
MA0039.1_Klf4	4.8777e-03	AGAGAGGAGG- -NAARRRAAGG	
MA0149.1_EWSR1-FLI1	4.9205e-03	---AGAGAGGAGG----- GGAAGGAAGGAAGGAAGG	
MA0130.1_ZNF354C	1.1576e-02	AGAGAGGAGG ---GTGGAK-	
MA0283.1_CHA4	1.6894e-02	AGAGAGGAGG --GGCGGAGN	
MA0350.1_TOD6	1.7103e-02	-----CCTCCTCTCT----- NNNNNNASCTCATCGCNNNNN	
MA0057.1_MZF1_5-13	1.7139e-02	AGAGAGGAGG-- --NKAGGGGNAN	
MA0159.1_RXR_RAR_DR5	1.7395e-02	CCTCCTCTCT----- TGACCTNYNNNTGAMCY	

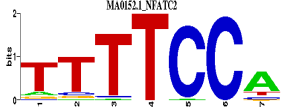
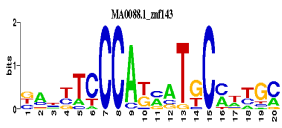







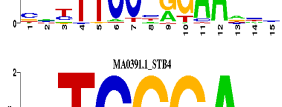
M88



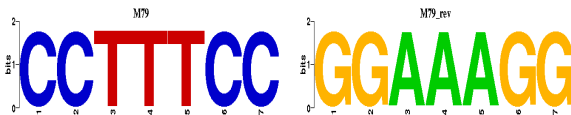
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	6.7110e-05	--GCTCCTCC CCCCNCCCCC	
MA0283.1_CHA4	1.2859e-04	GCTCCTCC NCTCCGCC	
MA0373.1_RPN4	7.4076e-04	GCTCCTCC -CGCCACC	
MA0062.1_GABPA	1.2534e-03	GCTCCTCC--- -SNCTCCGGT	
MA0081.1_SPIB	1.7572e-03	GCTCCTCC -TTCKST	
MA0090.1_TEAD1	2.0349e-03	---GCTCCTCC- YACATTCCWSNG	
MA0443.1_btd	7.3616e-03	-GCTCCTCC- YCCGCCMCN	
MA0139.1_CTCF	1.2280e-02	--GCTCCTCC----- NNSYGCCMCCTRSTGGNNR	
MA0039.2_Klf4	1.4485e-02	GCTCCTCC-- GCCMCRCNN	
MA0130.1_ZNF354C	1.5517e-02	GCTCCTCC -MTCCAC-	

M66



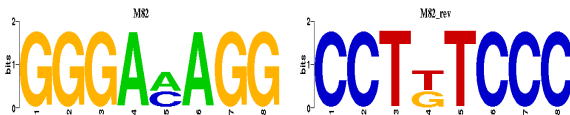
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0152.1_NFATC2	1.2285e-05	CTGGGAAAG -TGGAAAA-	
MA0088.1_znf143	5.3411e-05	-----CTGGGAAAG- KCNNKGMANNMTGGGANNNN	
MA0085.1_Su_H_	8.5476e-05	-----CTTCCAG-- NNNNNGKTCCACRN	
MA0282.1_CEP3	2.0332e-04	CTTCCAG -NTCCGAR	
MA0437.1_YPR196W	4.7992e-04	CTGGGAAAG CGGRNAAAT	
MA0102.2_CEBPA	1.5305e-03	-CTGGGAAAG RTTGNNA-	
MA0438.1_YRM1	2.1275e-03	CTGGGAAAG -NCGANAT	
MA0421.1_YDR026C	2.1926e-03	CTTCCAG-- -TTACCCGGN	
MA0137.2_STAT1	3.5169e-03	-CTTCCAG----- NNYTCCNGGAANN	
MA0391.1_STB4	3.6333e-03	CTTCCAG --TTCCGAR	

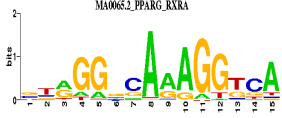
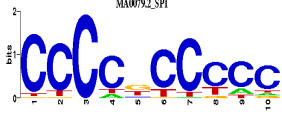
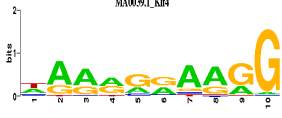


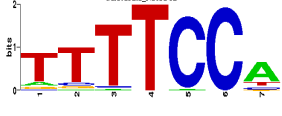

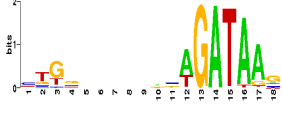
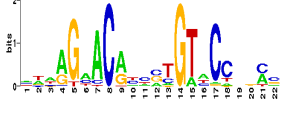

M79



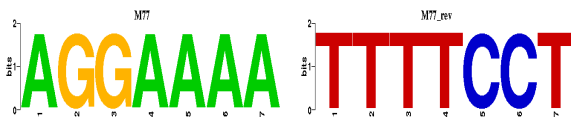
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	1.0890e-05	CCTTTCC--- CCTTYYYTTN	
MA0152.1_NFATC2	5.2508e-05	-GGAAAGG TGGAAAA-	
MA0051.1_IRF2	6.8073e-05	GGAAAGG----- SGAAAGYGAAASYNWWNN	
MA0065.2_PPARG_RXRA	7.0552e-05	---CCTTTCC----- TGMCCTTTGNCCYNN	
MA0438.1_YRM1	1.7027e-04	--GGAAAGG NCGGANAT-	
MA0101.1_REL	2.1031e-04	GGAAAGG--- GGAAWNYCCN	
MA0294.1_EDS1	7.1608e-04	-CCTTTCC- NTTNTTCCN	
MA0107.1_REL	7.1942e-04	GGAAAGG--- GGAAANTCCC	
MA0370.1_RME1	9.1824e-04	--CCTTTCC- TNCCTTTNNA	
MA0023.1_dI_2	9.2902e-04	GGAAAGG--- GGAAAWCCCC	

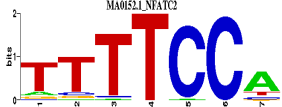







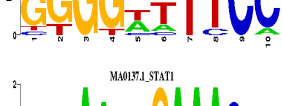

M82



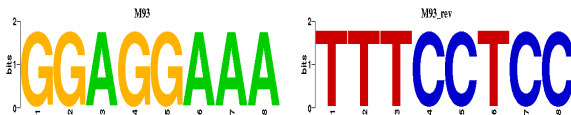
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.2_PPARG_RXRA	3.1673e-05	---CCTKTCCC--- TGMCCCTTIGNCCYNN	
MA0079.2_SP1	2.7539e-04	-GGGAMAGG- GGGGGNGGGG	
MA0039.1_Klf4	2.7748e-04	CCTKTCCC-- CCTTYYYTTN	
MA0207.1_achi	6.3611e-04	CCTKTCCC -CTGTCA-	
MA0227.1_hth	1.1475e-03	CCTKTCCC -CTGTCA-	
MA0152.1_NFATC2	1.3021e-03	GGGAMAGG TGGAAAA-	
MA0324.1_LEU3	1.4119e-03	--GGGAMAGG CCGNNNMGG	
MA0140.1_Tal1_Gata1	1.8095e-03	---CCTKTCCC----- NTTATCTNNNNNNNNNCNN	
MA0007.1_Ar	3.0770e-03	-----CCTKTCCC----- NNNAGNACANNNTGTNCCNNMN	
MA0438.1_YRM1	3.7544e-03	-GGGAMAGG NCGGANAT-	






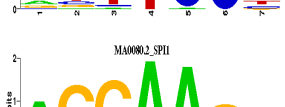

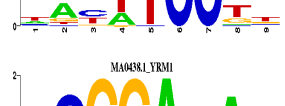

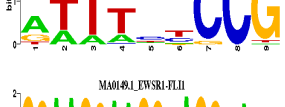
M77



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0152.1_NFATC2	2.5960e-08	AGGAAAA TGGAAAA	
MA0294.1_EDS1	1.2605e-06	--TTTTCCT NTTNTCCN	
MA0156.1_FEV	2.9703e-06	TTTTCCT- AYTTCCTG	
MA0120.1_id1	5.3896e-06	-----AGGAAAA CGNNANNRRMNA	
MA0022.1_dl_1	9.5122e-06	AGGAAAA----- NGGAAAAACCCS	
MA0460.1_ttk	1.4050e-05	-TTTTCCT- RTTATCCTK	
MA0367.1_RGT1	2.1858e-05	-AGGAAAA--- NCGANNAANN	
MA0023.1_dl_2	3.6285e-05	AGGAAAA----- -GGAAWCCCC	
MA0137.1_STAT1	4.8922e-05	-----TTTTCCT NAGTTTCNNTTTCY-	
MA0080.2_SPI1	5.9899e-05	TTTTCCT ACTTCCT	

M93



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	1.4485e-06	TTTCCTCC -TTCKST	
MA0090.1_TEAD1	3.4895e-06	---TTTCCTCC- YACATTCCWSNG	
MA0326.1_MAC1	1.5689e-05	GGAGGAAA YGAGCAA	
MA0156.1_FEV	1.7192e-05	-TTTCCTCC AYTTCCTG-	
MA0152.1_NFATC2	1.6889e-04	GGAGGAAA- --TGAAAA	
MA0080.2_SPI1	1.9047e-04	-TTTCCTCC ACTTCCT--	
MA0136.1_ELF5	3.7351e-04	GGAGGAAA-- -NMGGAARTN	
MA0438.1_YRM1	6.2572e-04	GGAGGAAA- -NCGGANAT	
MA0437.1_YPR196W	8.3966e-04	-GGAGGAAA CGRNAAAT	
MA0149.1_EWSR1-FLI1	1.2372e-03	-----TTTCCTCC----- CCTTCCTTCCTTCCTTC	

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 STAMP is written by Shaun Mahony