

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

Input file: 95 motifs loaded

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

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

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

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## Multiple Alignment

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

```

M0 : -----AAAGAAAAAAAAAAAAAAAA-----
M1 : -----TTTTTAAAA-----
M2 : -----AARAGGAAAA-----
M3 : -----AAGAGAAAG-----
M4 : -----CACACACACACACAC-----
M5 : -----GGGGGGGAGGAAGGAGGGGGGG-----
M6 : -----GGGAGAGAGAG-----
M7 : -----GGGGGGGGGGGGGG-----
M8 : -----MAAAGCAA-----
M9 : -----GGGGGGGGGGAGGAGGGGGGG-----
M10 : --GGGGGGGGGAGGAGRRGGGGGG-----
M11 : -----GSAGGAAGAG-----
M12 : -----AGGCAGAG-----
M13 : -----GGGGCGGCAGCAGCCGGGG-----
M14 : -----GGGGGGGGAGGGAGGGGGGG-----
M15 : -----GGAGGAGGG-----
M16 : -----GGGGGGCAGGAAAG-----
M17 : -----GGGAAGGG-----
M18 : -----GGGGGGGGGTGGGG-----
M19 : -----GGGAGGGAG-----
M20 : -----GCTGCAGAG-----
M21 : -----GGGGGGGAGAGGCAGGGGGGG-----
M22 : -----CAGGCCTGG-----

```

Stamp Results

04/30/14

M23: -----GGGAGCWGAGG-----  
M24: -----GGGGGGGAGGAGCTGGGG-----  
M25: -----GGAGGCTGGGG-----  
M26: -----CCAGGCCTGC-----  
M27: -----GGGGGTGGGG-----  
M28: --GGGGGGGAGGGGMGGGGCCGGGG-----  
M29: -----CCCAGGCTCTGGGC-----  
M30: -----GGGGGGGGGAGGGGAGGGGGGGG-----  
M31: -----CTGAGGAAA-----  
M32: -----GGGGAGAGGGGGGGGG-----  
M33: -----CAGGGAAGAG-----  
M34: -----GGCYGCAGGGCGCG-----  
M35: -----CAGGCTGGG-----  
M36: -----CGGCCCCAGGCCAGCCCCCCC-----  
M37: -----CCCRGAGCTGGGG-----  
M38: -----GCGGGGGCCAGGGCAGCGGCGGCG-----  
M39: -----CTGGCTCCT-----  
M40: -----GGCTCTGGG-----  
M41: -----GGGGCTGGGG-----  
M42: -----GCTGCTGGG-----  
M43: -----CCTGGCTCC-----  
M44: -----CCTGGGCTGGG-----  
M45: -----CCCAGGCC-----  
M46: -----GGGCAGGCAGGGGCGGG-----  
M47: -----GCAGRGGCCG-----  
M48: -----CAGAGCTGGG-----  
M49: -----CTCCCAGGAG-----  
M50: -----GGGCGGGGCTCTGGG-----  
M51: -----GAGGACAGAG-----  
M52: -----GGAGCTGGG-----  
M53: -----AGGAGAGGG-----  
M54: -----CAGAGGCCTG-----  
M55: -----GCNGTGGCTGCGG-----  
M56: -----GGGGGAAGGG-----  
M57: -----GGCTYCCTGCC-----  
M58: -----GGGGGGGACAGGGGAGGGGGGG-----  
M59: -----CCKGGCTCCCCCCCC-----  
M60: -----CCGCAGCCTCAGGC-----  
M61: -----CCCCCCCCGSCCAGGCCCCCGCC-----  
M62: -----CCKGGAGGCGGGGGGG-----  
M63: -----GCAGSCAGCAG-----  
M64: -----GGGGGTGGGGGTGGGGGGGG-----  
M65: -----CCNGGAGGCCGGGGGG-----

```

M66: -----GGGGGGCGGGGCTGMGGGGGGGGG---
M67: -----GCCCCAGGC-----
M68: -----GGAAGGGAM-----
M69: -----GGGGCGGCGGCGGCGGCGGCGGGG---
M70: -----GCAGCTCTGC-----
M71: -----GNGGCCAGAG-----
M72: -----TTCTCTGAG-----
M73: -----GGGGGGGGTGGGGTGGGGGGGGGG
M74: -----GGGGAGGCC-----
M75: -----AGGCAGAAG-----
M76: -----GGGGGGGGGCGGGGCCGGGGGGG---
M77: -----CCAGGCCTCC-----
M78: -----GAGGCCAGG-----
M79: GGGGCGGGGCTGGCTGGGGGCGGG-----
M80: -----GCTGGGCAGS-----
M81: -----AGGAAAA-----
M82: -----AGGAAAG-----
M83: -----AGAGAAGG-----
M84: -----GGAAGCAG-----
M85: -----CAGGCAG-----
M86: -----CTGGGAGG-----
M87: -----CTGGAGGA-----
M88: -----AGAAAGGG-----
M89: -----CTGGGGAS-----
M90: -----CTCCAGGC-----
M91: -----GGGGCTG-----
M92: -----CTGAGCAG-----
M93: -----TTTCAGGA-----
M94: -----CCAAGGRG-----
    
```

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



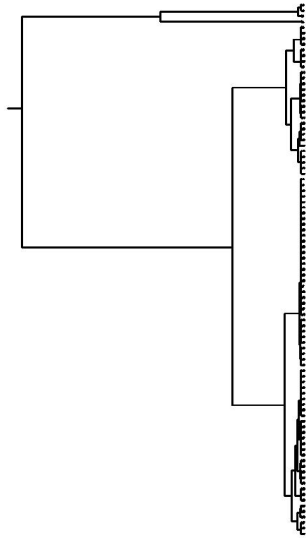

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## Motif Tree




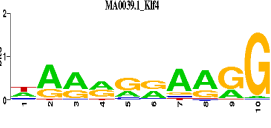

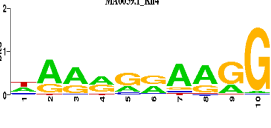

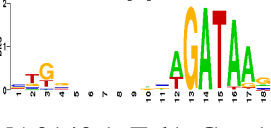
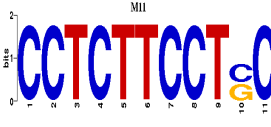


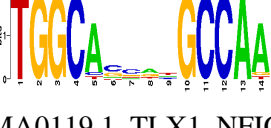

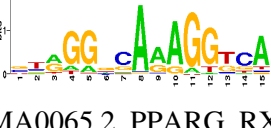


Tree (drawn by [Phylip](#))  
[Click here for Newick-format tree](#) (viewable with [MEGA](#))










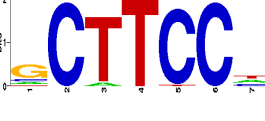



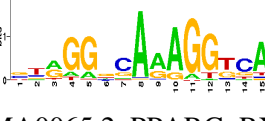


Input Motif

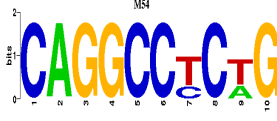
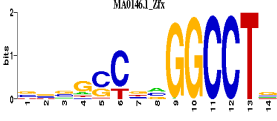



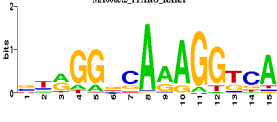
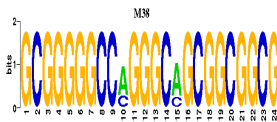



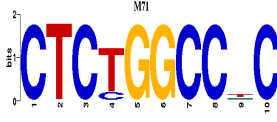



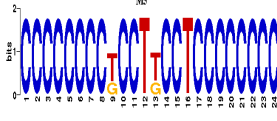

Best match in  
**JASPAR**

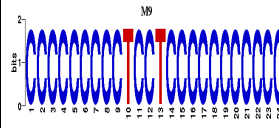
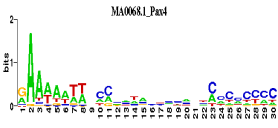
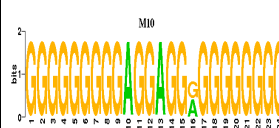
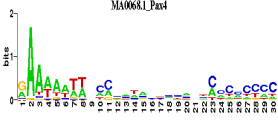
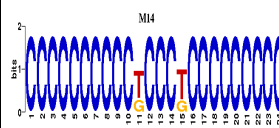
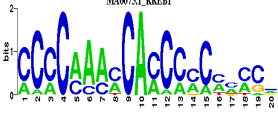
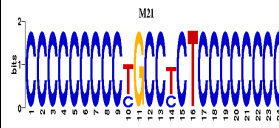
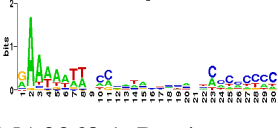
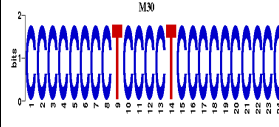
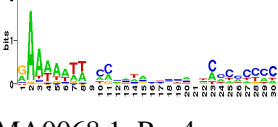
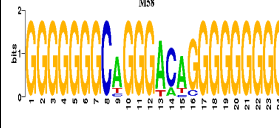
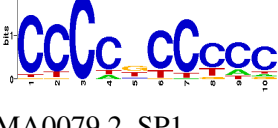
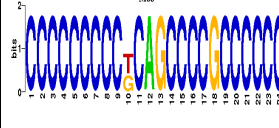
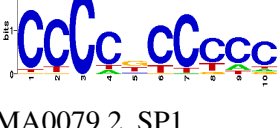
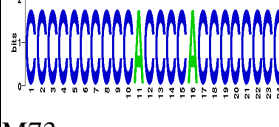
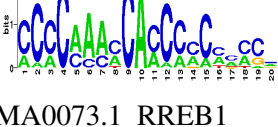


<p><b>M0</b></p>	<p>MA0277.1_AZF1 (E val: 3.1926e-07)</p>
<p><b>M8</b></p>	<p>MA0277.1_AZF1 (E val: 9.1573e-10)</p>
<p><b>M1</b></p>	<p>MA0387.1_SPT2 (E val: 1.1601e-04)</p>
<p><b>M4</b></p>	<p>MA0359.1_RAP1 (E val: 2.3776e-05)</p>
<p><b>M2</b></p>	<p>MA0277.1_AZF1 (E val: 9.0015e-10)</p>
<p><b>M81</b></p>	<p>MA0152.1_NFATC2 (E val: 2.5960e-08)</p>
<p><b>M82</b></p>	<p>MA0156.1_FEV (E val: 2.9703e-06)</p>
<p><b>M31</b></p>	<p>MA0326.1_MAC1 (E val: 3.7223e-07)</p>

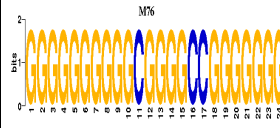
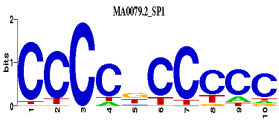
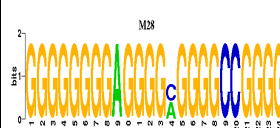
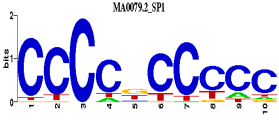
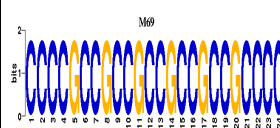
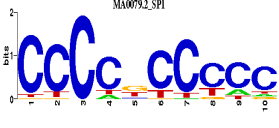
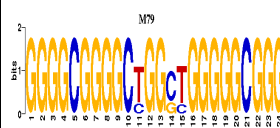
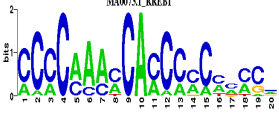
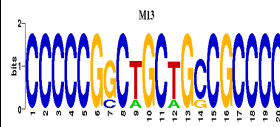

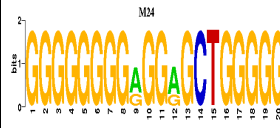
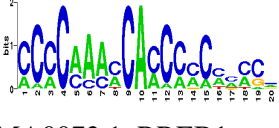
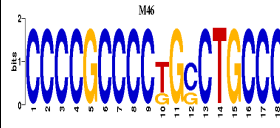
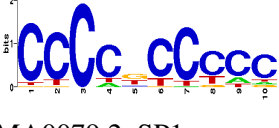

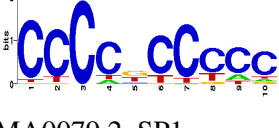
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 <p><b>M83</b></p>	 <p>MA0039.1_Klf4 (E val: 2.5798e-05)</p>
 <p><b>M88</b></p>	 <p>MA0039.1_Klf4 (E val: 1.8020e-05)</p>
 <p><b>M6</b></p>	 <p>MA0140.1_Tal1_Gata1 (E val: 7.7702e-05)</p>
 <p><b>M11</b></p>	 <p>MA0062.1_GABPA (E val: 6.2333e-07)</p>
 <p><b>M57</b></p>	 <p>MA0191.TLX1.NFIC (E val: 9.2160e-08)</p>
 <p><b>M12</b></p>	 <p>MA0065.2_PPARG_RXRA (E val: 2.5526e-06)</p>
 <p><b>M75</b></p>	 <p>MA0323.1_IXR1 (E val: 8.2322e-06)</p>

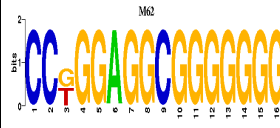
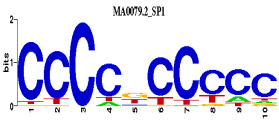
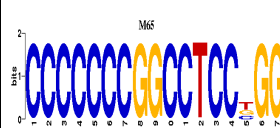

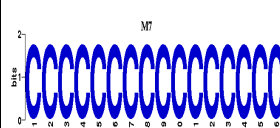
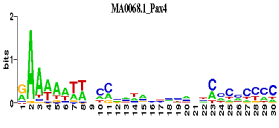

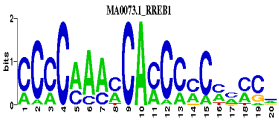
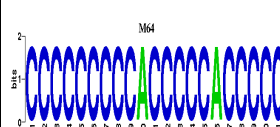
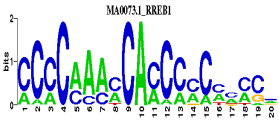
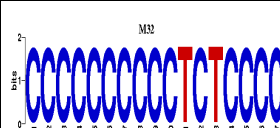
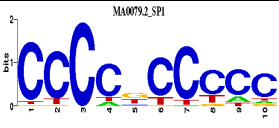

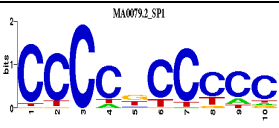

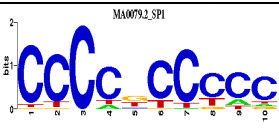
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 <p><b>M85</b></p>	 <p><b>MA0340.1_MOT3</b> (E val: 1.2177e-05)</p>
 <p><b>M39</b></p>	 <p><b>MA0213.1_brk</b> (E val: 1.9417e-05)</p>
 <p><b>M43</b></p>	 <p><b>MA0213.1_brk</b> (E val: 1.9417e-05)</p>
 <p><b>M84</b></p>	 <p><b>MA0305.1_GCR2</b> (E val: 1.5925e-07)</p>
 <p><b>M20</b></p>	 <p><b>MA0055.1_Myf</b> (E val: 1.0621e-03)</p>
 <p><b>M23</b></p>	 <p><b>MA0065.2_PPARG_RXRA</b> (E val: 9.5589e-05)</p>
 <p><b>M47</b></p>	 <p><b>MA0139.1_CTCF</b> (E val: 7.5651e-05)</p>

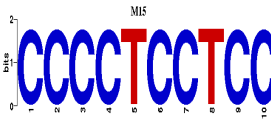
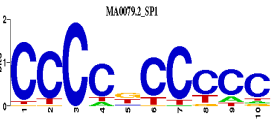

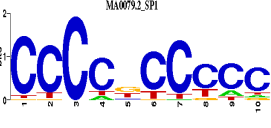

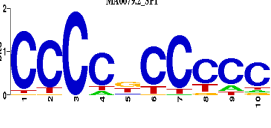
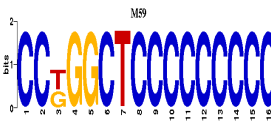
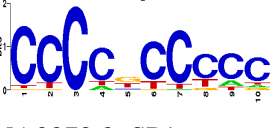

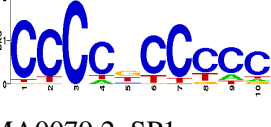
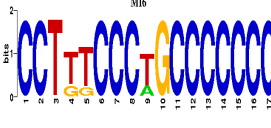
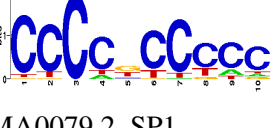

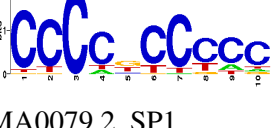

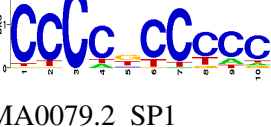
 <p><b><u>M54</u></b></p>	 <p>MA0146.1_Zfx (E val: 7.8950e-05)</p>
 <p><b><u>M72</u></b></p>	 <p>MA0432.1_YNR063W (E val: 1.2960e-04)</p>
 <p><b><u>M33</u></b></p>	 <p>MA0065.2_PPARG_RXRA (E val: 3.6037e-06)</p>
 <p><b><u>M38</u></b></p>	 <p>MA0163.1_PLAG1 (E val: 1.4256e-04)</p>
 <p><b><u>M51</u></b></p>	 <p>MA0207.1_achi (E val: 8.1353e-05)</p>
 <p><b><u>M71</u></b></p>	 <p>MA0381.1_SKN7 (E val: 2.2489e-04)</p>
 <p><b><u>M78</u></b></p>	 <p>MA0381.1_SKN7 (E val: 2.6301e-04)</p>
 <p><b><u>M5</u></b></p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 4.1074e-12)</p>


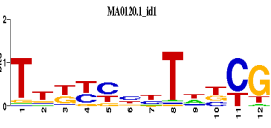

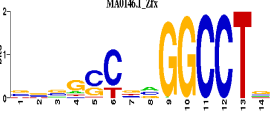
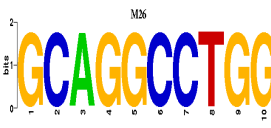
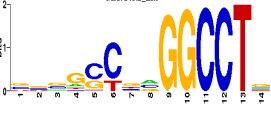
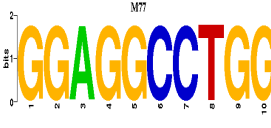
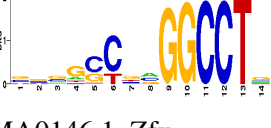
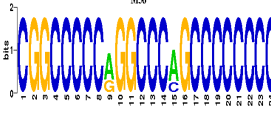
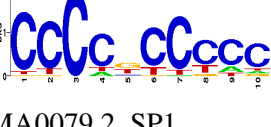
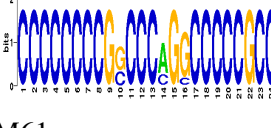
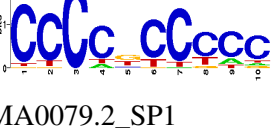

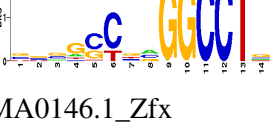

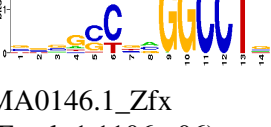
<p><b>M9</b></p> 	<p>MA0068.1_Pax4 (E val: 6.2811e-12)</p> 
<p><b>M10</b></p> 	<p>MA0068.1_Pax4 (E val: 4.9498e-11)</p> 
<p><b>M14</b></p> 	<p>MA0073.1_RREB1 (E val: 4.4700e-10)</p> 
<p><b>M21</b></p> 	<p>MA0068.1_Pax4 (E val: 8.2356e-09)</p> 
<p><b>M30</b></p> 	<p>MA0068.1_Pax4 (E val: 9.1038e-15)</p> 
<p><b>M58</b></p> 	<p>MA0079.2_SP1 (E val: 1.2730e-07)</p> 
<p><b>M66</b></p> 	<p>MA0079.2_SP1 (E val: 1.6058e-12)</p> 
<p><b>M73</b></p> 	<p>MA0073.1_RREB1 (E val: 3.7748e-15)</p> 
<p></p>	<p></p>


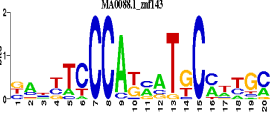

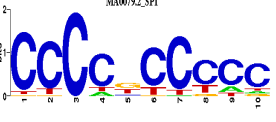
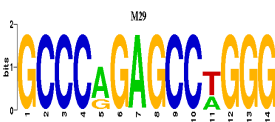
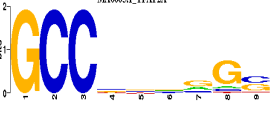


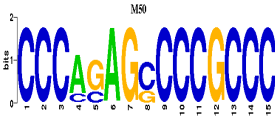



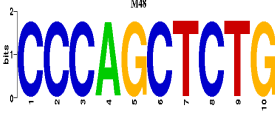





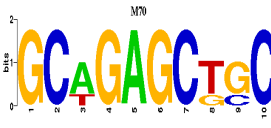
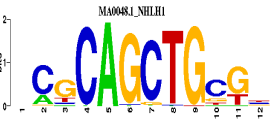
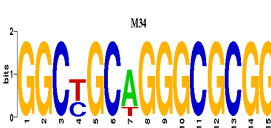
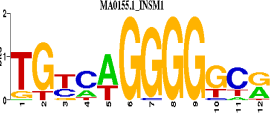


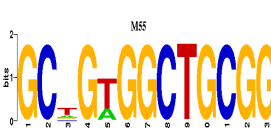

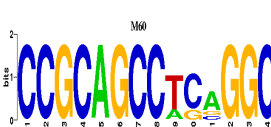
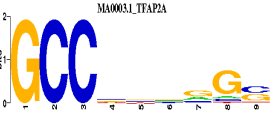
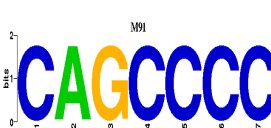
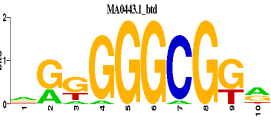
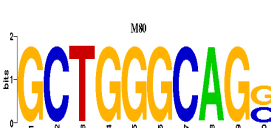



 <p><b>M76</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 1.6058e-12)</p>
 <p><b>M28</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 1.1574e-11)</p>
 <p><b>M69</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 8.4344e-08)</p>
 <p><b>M79</b></p>	 <p><b>MA0073.1_RREB1</b> (E val: 4.3459e-09)</p>
 <p><b>M13</b></p>	 <p><b>MA0344.1_NHP10</b> (E val: 1.0727e-06)</p>
 <p><b>M24</b></p>	 <p><b>MA0073.1_RREB1</b> (E val: 4.6511e-10)</p>
 <p><b>M46</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 2.5323e-09)</p>
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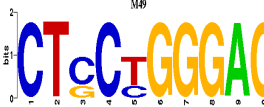
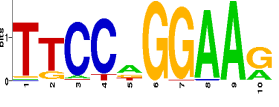





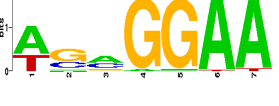

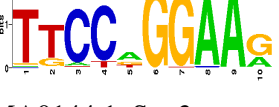

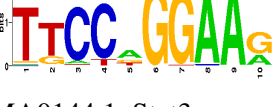
 <p><b>M62</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 9.4918e-10)</p>
 <p><b>M65</b></p>	 <p><b>MA0344.1_NHP10</b> (E val: 4.1526e-07)</p>
 <p><b>M7</b></p>	 <p><b>MA0068.1_Pax4</b> (E val: 6.6548e-10)</p>
 <p><b>M18</b></p>	 <p><b>MA0073.1_RREB1</b> (E val: 2.6336e-12)</p>
 <p><b>M64</b></p>	 <p><b>MA0073.1_RREB1</b> (E val: 2.2204e-16)</p>
 <p><b>M32</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 3.0653e-09)</p>
 <p><b>M27</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 5.8601e-11)</p>
 <p><b>M41</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 6.1481e-08)</p>

 <p><b>M15</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 1.1763e-11)</p>
 <p><b>M53</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 4.1813e-05)</p>
 <p><b>M19</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 4.8145e-08)</p>
 <p><b>M59</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 1.9088e-06)</p>
 <p><b>M74</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 8.7372e-06)</p>
 <p><b>M16</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 2.6288e-08)</p>
 <p><b>M17</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 1.8701e-08)</p>
 <p><b>M56</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 2.4192e-10)</p>

 <p><b>M68</b></p>	 <p><b>MA0120.1_id1</b> (E val: 4.7551e-05)</p>
 <p><b>M22</b></p>	 <p><b>MA0146.1_Zfx</b> (E val: 6.4644e-07)</p>
 <p><b>M26</b></p>	 <p><b>MA0146.1_Zfx</b> (E val: 1.1659e-04)</p>
 <p><b>M77</b></p>	 <p><b>MA0146.1_Zfx</b> (E val: 1.1659e-04)</p>
 <p><b>M36</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 3.7810e-09)</p>
 <p><b>M61</b></p>	 <p><b>MA0079.2_SP1</b> (E val: 1.2296e-06)</p>
 <p><b>M45</b></p>	 <p><b>MA0146.1_Zfx</b> (E val: 3.9007e-05)</p>
 <p><b>M67</b></p>	 <p><b>MA0146.1_Zfx</b> (E val: 1.1106e-06)</p>

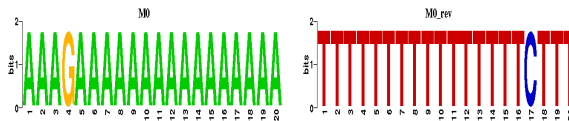
 <p><b>M35</b></p>	 <p>MA0088.1_znf143 (E val: 1.0428e-04)</p>
 <p><b>M44</b></p>	 <p>MA0079.2_SP1 (E val: 9.5401e-05)</p>
 <p><b>M29</b></p>	 <p>MA0003.1_TFAP2A (E val: 1.4442e-03)</p>
 <p><b>M40</b></p>	 <p>MA0332.1_MET28 (E val: 3.2861e-04)</p>
 <p><b>M50</b></p>	 <p>MA0039.2_Klf4 (E val: 5.3394e-08)</p>
 <p><b>M37</b></p>	 <p>MA0276.1_ASH1 (E val: 4.4857e-05)</p>
 <p><b>M48</b></p>	 <p>MA0267.1_ACE2 (E val: 6.9099e-04)</p>
 <p><b>M52</b></p>	 <p>MA0048.1_NHLH1 (E val: 4.5251e-05)</p>

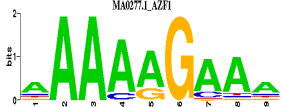
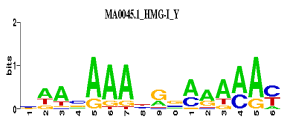
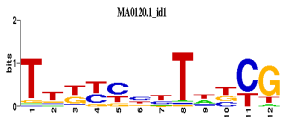
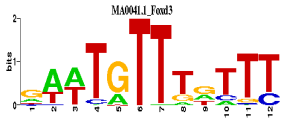
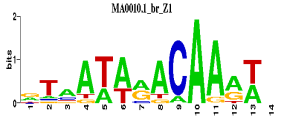


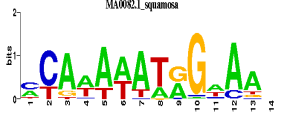
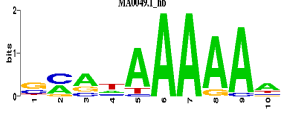

 <p><b>M70</b></p>	 <p><b>MA0048.1_NHLH1</b> (E val: 1.2163e-03)</p>
 <p><b>M34</b></p>	 <p><b>MA0155.1_INSM1</b> (E val: 2.5429e-04)</p>
 <p><b>M42</b></p>	 <p><b>MA0402.1_SWI5</b> (E val: 4.6207e-06)</p>
 <p><b>M55</b></p>	 <p><b>MA0332.1_MET28</b> (E val: 2.4075e-07)</p>
 <p><b>M60</b></p>	 <p><b>MA0003.1_TFAP2A</b> (E val: 1.1613e-04)</p>
 <p><b>M91</b></p>	 <p><b>MA0443.1_btd</b> (E val: 5.3882e-05)</p>
 <p><b>M80</b></p>	 <p><b>MA0344.1_NHP10</b> (E val: 6.6763e-04)</p>
 <p><b>M92</b></p>	 <p><b>MA0326.1_MAC1</b> (E val: 5.7910e-06)</p>

 <p><b>M89</b></p>	 <p><b>MA0344.1_NHP10</b> (E val: 1.2960e-05)</p>
 <p><b>M49</b></p>	 <p><b>MA0144.1_Stat3</b> (E val: 2.8700e-05)</p>
 <p><b>M86</b></p>	 <p><b>MA0320.1_IME1</b> (E val: 1.8191e-04)</p>
 <p><b>M94</b></p>	 <p><b>MA0163.1_PLAG1</b> (E val: 1.0998e-07)</p>
 <p><b>M87</b></p>	 <p><b>MA0081.1_SPIB</b> (E val: 8.4925e-04)</p>
 <p><b>M90</b></p>	 <p><b>MA0144.1_Stat3</b> (E val: 3.0592e-05)</p>
 <p><b>M93</b></p>	 <p><b>MA0144.1_Stat3</b> (E val: 2.6492e-06)</p>

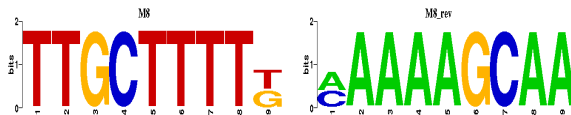
### Motif Similarity Matches

**M0**




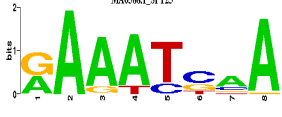








	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	3.1926e-07	TTTTTTTTTTTTTTTTCTTT TTTCTTTTT-----	
MA0045.1_HMG-I_Y	2.0429e-05	TTTTTTTTTTTTTTTTCTTT ----RTTYKKNYNTTNTNN	
MA0120.1_id1	4.0622e-05	AAAGAAAAAAAAAAAAAAAA --CGNNANNRRMNA-----	
MA0041.1_Foxd3	1.1651e-03	TTTTTTTTTTTTTTTTCTTT AWGTNTNTTT-----	
MA0010.1_br_Z1	1.2194e-03	-AAAGAAAAAAAAAAAAAAAA N--NTNATARACAARWN----	
MA0287.1_CUP2	1.3504e-03	AAAGAAAAAAAAAAAAAAAA -CAGCARAAAWG-----	
MA0013.1_br_Z4	1.5274e-03	TTTTTTTTTTTTTTTTCTTT -----WTWNTTTACTA--	
MA0082.1_squamosa	2.3968e-03	-AAAGAAAAAAAAAAAAAAAA M--MCAWAWATRGNAAN----	
MA0049.1_hb	3.1070e-03	-TTTTTTTTTTTTTTTTCTTT NTTTTTNYKS-----	
MA0294.1_EDS1	3.9328e-03	TTTTTTTTTTTTTTTTCTTT -----NTNTTCCN--	

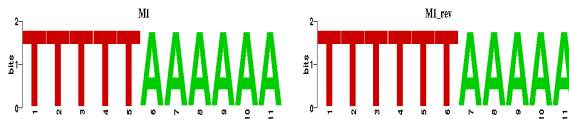
M8

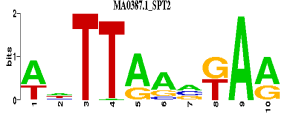



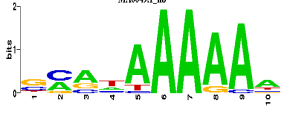

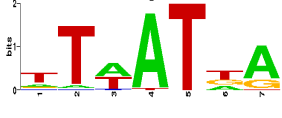

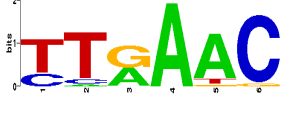





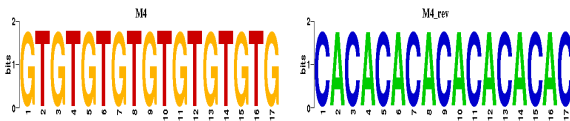
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	9.1573e-10	TTGCTTTTK TTTCTTTTT	
MA0053.1_MNB1A	6.4584e-06	TTGCTTTTK --NCTTT--	
MA0064.1_PBF	1.0073e-05	TTGCTTTTK --RCTTT--	
MA0388.1_SPT23	1.6337e-05	MAAAAGCAA -RAAATSAA	
MA0020.1_Dof2	3.9774e-05	TTGCTTTTK -NGCTTT--	
MA0235.1_onecut	1.0400e-04	TTGCTTTTK TTGATTN--	
MA0021.1_Dof3	1.2362e-04	TTGCTTTTK -NRCTTT--	
MA0459.1_tll	1.2470e-04	-TTGCTTTTK KTTGACTTTT	
MA0010.1_br_Z1	3.2950e-04	---TTGCTTTTK-- NWYTTGTYTATNAN	
MA0417.1_YAP5	4.7043e-04	TTGCTTTTK ATGCTT---	

**M1**



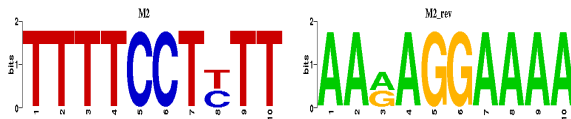
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0387.1_SPT2	1.1601e-04	TTTTTTAAAAA TTMNTTAANT-	
MA0151.1_ARID3A	3.3185e-04	TTTTTAAAAAA --TTTAAT----	
MA0216.1_cad	6.1259e-04	TTTTTAAAAAA ----YAATAAA	
MA0174.1_CG42234	6.9728e-04	TTTTTAAAAAA ----TMATWAA	
MA0049.1_hb	8.3607e-04	-TTTTTAAAAAA NTTTTTNYKS--	
MA0013.1_br_Z4	1.3577e-03	-TTTTTAAAAA WTWNTTACTA-	
MA0448.1_H2.0	1.8225e-03	TTTTTAAAAAA ----TNATWAN	
MA0165.1_Abd-B	3.1309e-03	TTTTTAAAAAA ----TMATAAA	
MA0218.1_ct	4.1524e-03	TTTTTAAAAAA -GTYAA----	
MA0297.1_FKH2	5.0778e-03	TTTTTAAAAAA TGTTAC----	


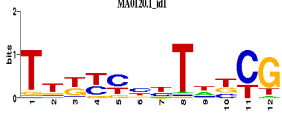

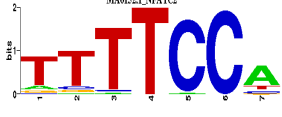
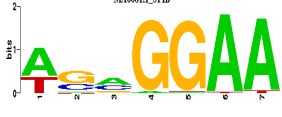
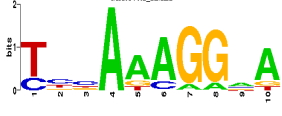
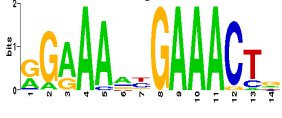


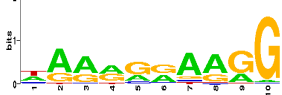
M4



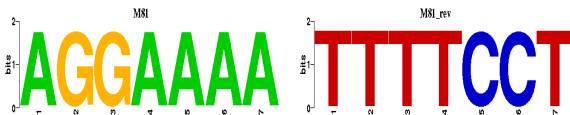
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0359.1_RAP1	2.3776e-05	GTGTGTGTGTGTGTGTG -TGATGGGTG-----	
MA0073.1_RREB1	2.9434e-05	-GTGTGTGTGTGTGTGTG-- NGKKKGKGGGTGKTTTGGGG	
MA0068.1_Pax4	6.1527e-03	-----CACACACACACACAC--- RAAWAWWWNNMNNNNNNNNNNMNNNNNYMC	
MA0162.1_Egr1	1.9621e-02	CACACACACACACACAC -MCGCCACGCN-----	
MA0327.1_MATA1	2.5093e-02	-GTGTGTGTGTGTGTGTG ATTGTGY-----	
MA0041.1_Foxd3	3.1766e-02	CACACACACACACACAC -AAANAAACAWN-----	
MA0045.1_HMG-I_Y	4.1300e-02	GTGTGTGTGTGTGTGTG RTTTYKNYNTTNTNN-	
MA0332.1_MET28	5.1770e-02	-CACACACACACACACAC CCACAG-----	
MA0042.1_FOXI1	6.1493e-02	CACACACACACACACAC -AWAYAAAYANNN-----	
MA0288.1_CUP9	6.4819e-02	-GTGTGTGTGTGTGTGTG WWTGTGTCA-----	

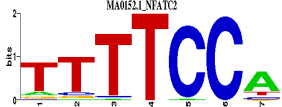







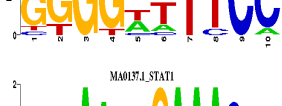

M2



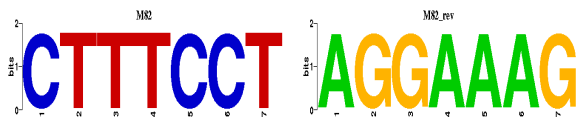
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	9.0015e-10	TTTTCCTYTT -TTTCTTTT	
MA0120.1_id1	5.5899e-09	--AARAGGAAAA CGNNANNRRMNA	
MA0045.1_HMG-I_Y	5.3375e-07	--TTTTCCTYTT---- RTTYKKNYNTTNTNN	
MA0152.1_NFATC2	1.2323e-06	AARAGGAAAA ---TGAAAA	
MA0081.1_SPIB	1.2618e-06	TTTTCCTYTT --TTCKST-	
MA0370.1_RME1	5.7674e-06	TTTTCCTYTT-- --TNCCTTNNNA	
MA0137.1_STAT1	1.3726e-05	--TTTTCCTYTT-- NAGTTTCNNTTTCY	
MA0294.1_EDS1	1.2759e-04	--TTTTCCTYTT NTTNTCCN---	
MA0156.1_FEV	1.2873e-04	TTTTCCTYTT AYTTCCTG--	
MA0039.1_Klf4	1.4861e-04	AARAGGAAAA NAARRRAAGG	

**M81**



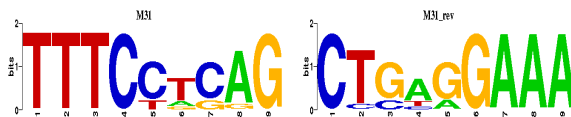
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0152.1_NFATC2	2.5960e-08	AGGAAAA TGGAAAA	
MA0294.1_EDS1	1.2605e-06	--TTTTCCT NTTNTCCN	
MA0156.1_FEV	2.9703e-06	TTTTCT- AYTTCCTG	
MA0120.1_id1	5.3896e-06	-----AGGAAAA CGNNANNRRMNA	
MA0022.1_dl_1	9.5122e-06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

M82



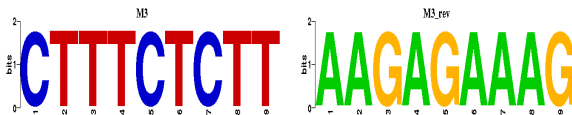
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0156.1_FEV	2.9703e-06	CTTTCCT- AYTTCCTG	
MA0039.1_Klf4	2.3013e-05	-CTTTCCT-- CCTTYYYTNN	
MA0152.1_NFATC2	5.2508e-05	AGGAAAG TGGAAAA	
MA0080.2_SPI1	5.9899e-05	CTTTCCT ACTTCCT	
MA0051.1_IRF2	6.8073e-05	AGGAAAG----- -SGAAAGYGAAASYNWWNN	
MA0136.1_ELF5	7.6076e-05	-AGGAAAG- NMGGAARTN	
MA0149.1_EWSR1-FLI1	1.2612e-04	CTTTCCT----- CCTTCCTTCCTTCCTTC	
MA0438.1_YRM1	1.7027e-04	-AGGAAAG NCGGANAT	
MA0090.1_TEAD1	1.7508e-04	---AGGAAAG-- CNSWGGAAATGTR	
MA0081.1_SPIB	1.7738e-04	CTTTCCT-- --TTCKST	

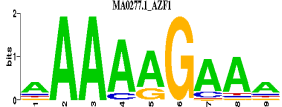
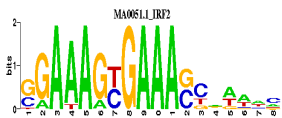
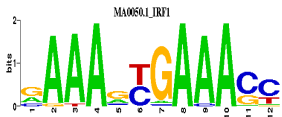
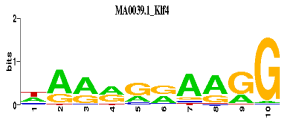

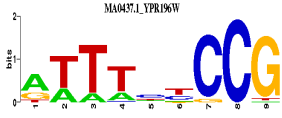

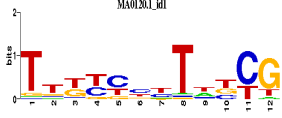
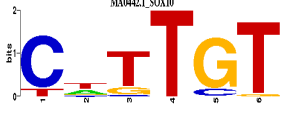

M31



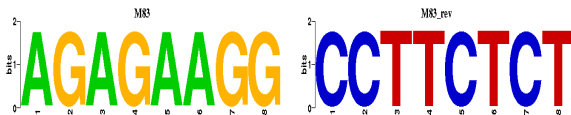
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0326.1_MAC1	3.7223e-07	CTGAGGAAA -YGAGCAA	
MA0081.1_SPIB	9.1523e-07	CTGAGGAAA -ASMGGAA-	
MA0156.1_FEV	8.5833e-05	-TTTCCTCAG AYTTCCTG--	
MA0332.1_MET28	1.8142e-04	TTTCCTCAG ---CCACAG	
MA0047.2_Foxa2	2.4600e-04	--TTTCCTCAG- TGTTTACWYWN	
MA0090.1_TEAD1	4.2528e-04	---TTTCCTCAG YACATTCCWSNG	
MA0152.1_NFATC2	4.6150e-04	CTGAGGAAA- ---TGAAAA	
MA0080.2_SPI1	6.3565e-04	-TTTCCTCAG ACTTCCT---	
MA0243.1_sd	1.2894e-03	---TTTCCTCAG NWMATTYNNRN	
MA0136.1_ELF5	1.3415e-03	--TTTCCTCAG NAYTTCCKN--	

M3

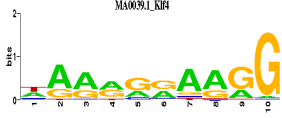




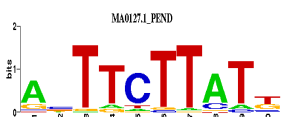
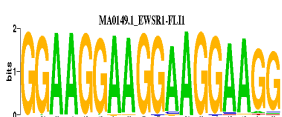


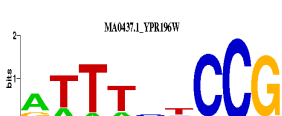


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	7.4646e-07	CTTTCTCTT- -TTTCTTTTT	
MA0051.1_IRF2	1.0182e-05	---AAGAGAAAG----- SGAAAGYGAAASYNWNN	
MA0050.1_IRF1	2.2239e-05	-CTTTCTCTT-- GGTTTCRNTTTN	
MA0039.1_Klf4	6.4504e-05	AAGAGAAAG- NAARRRAAGG	
MA0081.1_SPIB	1.1396e-04	CTTTCTCTT -TTCKST-	
MA0437.1_YPR196W	3.6327e-04	AAGAGAAAG CGGRNAAAT	
MA0401.1_SWI4	3.8924e-04	CTTTCTCTT -TTTCGCGT	
MA0120.1_id1	5.1471e-04	----AAGAGAAAG CGNNANNRRMNA-	
MA0442.1_SOX10	8.2351e-04	AAGAGAAAG ---ACAAGG	
MA0080.2_SPI1	1.4767e-03	-CTTTCTCTT ACTTCCT---	

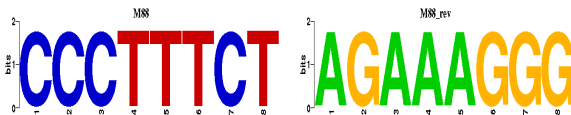
**M83**

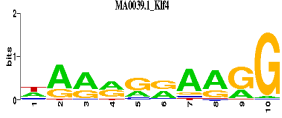

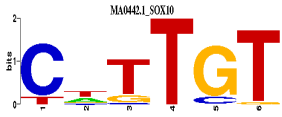



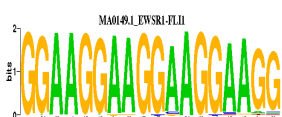







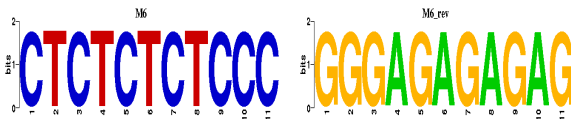
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	2.5798e-05	CCTTCTCT-- CCTTYYYTTN	
MA0035.2_Gata1	3.2457e-04	-CCTTCTCT-- NNNTTATCTNN	
MA0289.1_DAL80	1.2074e-03	CCTTCTCT -CTTATCG	
MA0029.1_Evi1	2.0012e-03	-----CCTTCTCT- NNTTATCTTRTCTN	
MA0300.1_GAT1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

M88



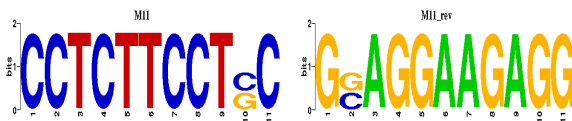
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	1.8020e-05	---AGAAAGGG NAARRRAAGG--	
MA0452.1_Kr	5.7284e-05	---CCCTTTCT TAACCCYTTNN	
MA0442.1_SOX10	4.3705e-04	AGAAAGGG ACAAGW--	
MA0080.2_SPI1	7.1211e-04	CCCTTTCT -ACTTCCT	
MA0423.1_YER130C	7.8752e-04	AGAAAGGG-- -NAWAGGGGN	
MA0021.1_Dof3	1.1725e-03	CCCTTTCT NRCTTT--	
MA0149.1_EWSR1-FLI1	1.2595e-03	---AGAAAGGG----- GGAAGGAAGGAAGGAAGG	
MA0120.1_id1	1.4353e-03	AGAAAGGG---- CGNNANNRRMNA	
MA0053.1_MNB1A	1.7687e-03	CCCTTTCT -NCTTT--	
MA0064.1_PBF	1.7687e-03	CCCTTTCT -RCTTT--	

M6



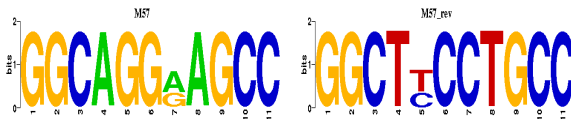
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0140.1_Tal1_Gata1	7.7702e-05	-CTCTCTCTCCC----- NTTATCTN>NNNNNNNNNCNN	
MA0079.2_SP1	1.5154e-03	CTCTCTCTCCC -CCCCNCCCCC	
MA0354.1_PDR8	4.4679e-03	CTCTCTCTCCC- ----ATCTCCGN	
MA0432.1_YNR063W	4.6507e-03	-GGGAGAGAGAG TCGGAGAT-----	
MA0450.1_hkb	5.1758e-03	CTCTCTCTCCC- ---TCACGCCCM	
MA0062.1_GABPA	5.8245e-03	CTCTCTCTCCC--- ----SNCTTCCGGT	
MA0437.1_YPR196W	8.1415e-03	GGGAGAGAGAG CGGRNAAAT--	
MA0068.1_Pax4	9.9145e-03	-GGGAGAGAGAG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTTY	
MA0422.1_YDR520C	1.0473e-02	CTCTCTCTCCC- --NTAWNNTCCGN	
MA0312.1_HAP1	1.9864e-02	CTCTCTCTCCC ---NAWNTCCG	

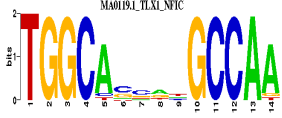



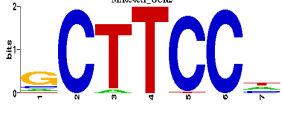


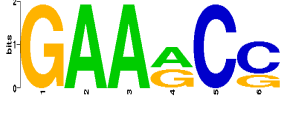
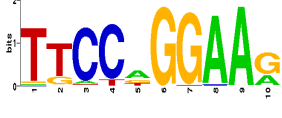
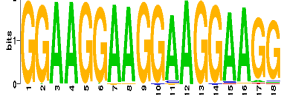
**M11**



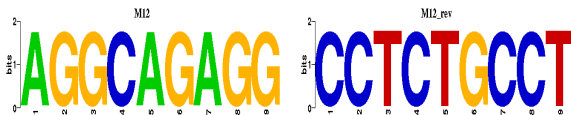
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0062.1_GABPA	6.2333e-07	CCTCTTCCTSC -SNCTTCCGGT	
MA0080.2_SPI1	2.8209e-06	CCTCTTCCTSC --ACTTCCT--	
MA0323.1_IXR1	4.7113e-06	--CCTCTTCCTSC-- CMCCGCTTCCGGYTT	
MA0081.1_SPIB	1.8242e-05	CCTCTTCCTSC ----TTCKST	
MA0156.1_FEV	4.6329e-05	CCTCTTCCTSC --AYTTCCTG-	
MA0026.1_Eip74EF	4.9309e-05	CCTCTTCCTSC ---YTTCCGG-	
MA0144.1_Stat3	1.4503e-04	CCTCTTCCTSC-- ---CTTCNGGAA	
MA0080.1_SPI1	2.4265e-04	CCTCTTCCTSC ---STTCN--	
MA0090.1_TEAD1	2.8167e-04	CCTCTTCCTSC- YACATTCCWSNG	
MA0305.1_GCR2	1.0716e-03	CCTCTTCCTSC --GCTTCN--	

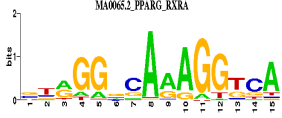

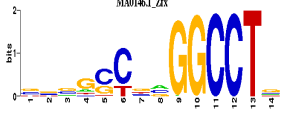


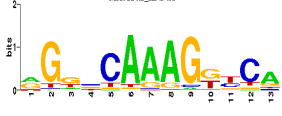


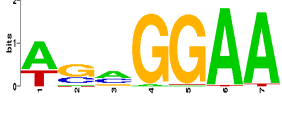
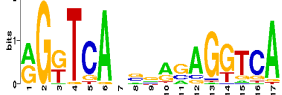
**M57**



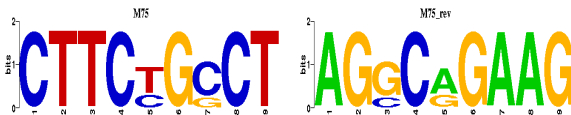
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0119.1_TLX1_NFIC	9.2160e-08	--GGCTYCCTGCC-- TTGGC>NNNSTGCCA	
MA0304.1_GCR1	2.4812e-07	GGCTYCCTGCC GGCTTCCA---	
MA0323.1_IXR1	3.5913e-06	---GGCTYCCTGCC-- CMCCGCTTCCGGYTT	
MA0156.1_FEV	8.3482e-06	GGCTYCCTGCC -AYTTCCTG--	
MA0305.1_GCR2	1.4091e-05	GGCAGGRAGCC ---NGGAAGC-	
MA0026.1_Eip74EF	1.4813e-05	GGCAGGRAGCC --CCGGAAR--	
MA0080.2_SPI1	1.5857e-05	GGCTYCCTGCC -ACTTCCT---	
MA0260.1_che-1	2.8197e-05	GGCTYCCTGCC GGYTTC-----	
MA0144.1_Stat3	3.3489e-05	GGCTYCCTGCC-- --CTTCNGGAA	
MA0149.1_EWSR1-FL11	3.8633e-05	-----GGCAGGRAGCC GGAAGGAAGGAAGGAAGG-	

**M12**



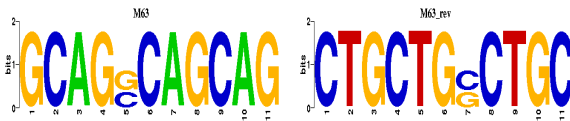
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.2_PPARG_RXRA	2.5526e-06	---CCTCTGCCT--- TGMCCITTTGNCCYNN	
MA0283.1_CHA4	1.0413e-04	CCTCTGCCT NCTCCGCC-	
MA0146.1_Zfx	4.6396e-04	-AGGCAGAGG---- NAGGCCNNGGCNNN	
MA0340.1_MOT3	5.5510e-04	CCTCTGCCT- ----TRCCTN	
MA0062.1_GABPA	1.3055e-03	CCTCTGCCT-- -SNCTTCCGGT	
MA0114.1_HNF4A	1.5792e-03	-AGGCAGAGG--- RGNNCAAAGKNCA	
MA0364.1_REI1	2.1601e-03	AGGCAGAGG --NCAGGGG	
MA0080.2_SPI1	2.4354e-03	CCTCTGCCT --ACTTCCT	
MA0081.1_SPIB	3.9044e-03	--CCTCTGCCT TTCKST----	
MA0159.1_RXR_RAR_DR5	7.0498e-03	---CCTCTGCCT---- TGACCTNYNNNTGAMCY	

M75



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0323.1_IXR1	8.2322e-06	-----CTTCTGCCT- CMCCGCTTCCGGYTT	
MA0026.1_Eip74EF	3.4119e-04	CTTCTGCCT YTTCCGG--	
MA0360.1_RDR1	7.9050e-04	CTTCTGCCT NTTCCGCN-	
MA0283.1_CHA4	1.3199e-03	CTTCTGCCT NCTCCGCC-	
MA0340.1_MOT3	1.5721e-03	CTTCTGCCT- ----TRCCTN	
MA0287.1_CUP2	1.8641e-03	--CTTCTGCCT CWTTTYTGCTG	
MA0076.1_ELK4	2.2325e-03	-CTTCTGCCT ACTTCCGGT-	
MA0062.1_GABPA	2.5818e-03	--CTTCTGCCT SNCTTCCGGT-	
MA0062.2_GABPA	2.7153e-03	----CTTCTGCCT NNCACTTCCGG--	
MA0311.1_HAL9	2.7299e-03	CTTCTGCCT -TTCCG---	

**M63**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	2.3089e-04	---CTGCTGSC TGC CAGCAGYTG CYK--	
MA0402.1_SWI5	6.8808e-04	CTGCTGSC TGC -TGCTGGTN--	
MA0340.1_MOT3	1.1124e-03	CTGCTGSC TGC ----TRCCTN-	
MA0323.1_IXR1	1.3680e-03	--CTGCTGSC TGC-- CMCCGCTTCCG GYTT	
MA0156.1_FEV	1.0169e-02	CTGCTGSC TGC --AYTTCCTG-	
MA0267.1_ACE2	1.0884e-02	CTGCTGSC TGC -NGCTGGN---	
MA0287.1_CUP2	1.4067e-02	GCAGSCAGCAG----- -----CAGCARAAAWG	
MA0144.1_Stat3	1.4399e-02	CTGCTGSC TGC-- ---CTTCNGGAA	
MA0048.1_NHLH1	1.7836e-02	GCAGSCAGCAG--- --NCGCAGCTGCGN	
MA0026.1_Eip74EF	1.8507e-02	CTGCTGSC TGC ---YTTCGG-	

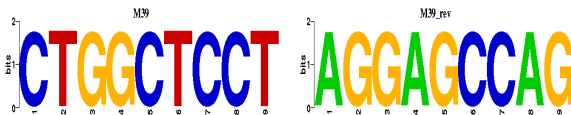
M85





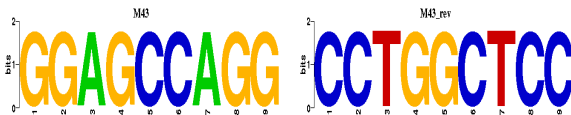
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0340.1_MOT3	1.2177e-05	CTGCCTG -TRCCTN	
MA0144.1_Stat3	4.3744e-05	CTGCCTG--- CTTCCNGGAA	
MA0156.1_FEV	9.5266e-05	-CTGCCTG AYTTCCTG	
MA0026.1_Eip74EF	4.3523e-04	CTGCCTG YTTCCGG	
MA0080.2_SPI1	4.6119e-04	-CTGCCTG ACTTCCT-	
MA0086.1_sna	3.4527e-03	CTGCCTG -CACCTG	
MA0417.1_YAP5	3.8911e-03	CAGGCAG -AAGCAT	
MA0062.1_GABPA	8.0292e-03	--CTGCCTG- SNCTTCCGGT	
MA0364.1_REI1	1.0481e-02	-CAGGCAG NCAGGGG-	
MA0055.1_Myf	1.1315e-02	-----CTGCCTG CAGCAGYTGCYK-	

M39



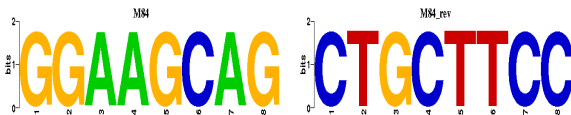
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0213.1_brk	1.9417e-05	AGGAGCCAG -RGCGCCRS	
MA0099.2_API	5.2291e-03	AGGAGCCAG -TGAGTCA-	
MA0119.1_TLX1_NFIC	5.3765e-03	CTGGCTCCT----- -TGGCASNNNGCCAA	
MA0092.1_Hand1_T	5.9255e-03	AGGAGCCAG--- --NWNCCAGAYN	
MA0260.1_che-1	5.9806e-03	CTGGCTCCT --GGYTTC-	
MA0272.1_ARG81	6.6489e-03	AGGAGCCAG -NGAGTCAN	
MA0326.1_MAC1	6.8505e-03	AGGAGCCAG -YGAGCAA	
MA0404.1_TBS1	6.9577e-03	AGGAGCCAG CGNTCCG-	
MA0161.1_NFIC	9.6539e-03	AGGAGCCAG ---NGCCAA	
MA0304.1_GCR1	1.0279e-02	-AGGAGCCAG TGGAAAGCC--	

**M43**



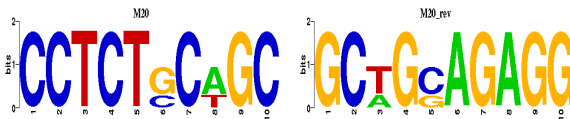
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0213.1_brk	1.9417e-05	GGAGCCAGG RGCGCCRS-	
MA0368.1_RIM101	2.1210e-03	GGAGCCAGG --YGCCAAG	
MA0099.2_API	5.2291e-03	GGAGCCAGG TGAGTCA--	
MA0119.1_TLX1_NFIC	5.3765e-03	CCTGGCTCC----- --TGGCASNNNGCCAA	
MA0092.1_Hand1_T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

M84



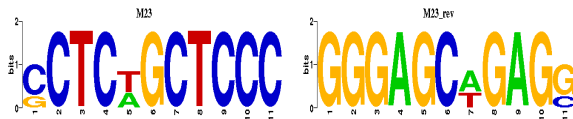
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0305.1_GCR2	1.5925e-07	CTGCTTCC-- --GCTTCCN	
MA0304.1_GCR1	1.7600e-06	CTGCTTCC-- --GGCTTCCA	
MA0323.1_IXR1	7.5006e-06	--CTGCTTCC----- CMCCGCTTCCGGYTT	
MA0080.1_SPI1	4.2939e-05	CTGCTTCC-- ---STTCCN	
MA0080.2_SPI1	1.8260e-04	CTGCTTCC-- --ACTTCCCT	
MA0417.1_YAP5	2.4182e-04	CTGCTTCC ATGCTT--	
MA0026.1_Eip74EF	3.0129e-04	CTGCTTCC-- ---YTTCCGG	
MA0260.1_che-1	3.4865e-04	CTGCTTCC -GGYTTC-	
MA0076.1_ELK4	1.1857e-03	CTGCTTCC-- --ACTTCCGGT	
MA0149.1_EWSR1-FLI1	1.2360e-03	--CTGCTTCC----- CCTTCCTTCCCTTCC	

M20



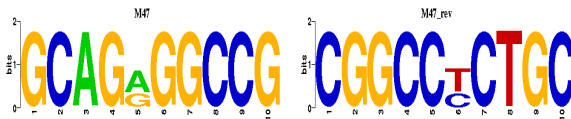
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	1.0621e-03	CCTCTGCAGC----- ---CAGCAGYTGCYK	
MA0065.2_PPARG_RXRA	2.2463e-03	---CCTCTGCAGC-- TGMCCCTTGNCCYNN	
MA0139.1_CTCF	5.7089e-03	-----CCTCTGCAGC--- NNSYGCCMCCTRSTGGNNR	
MA0456.1_opa	5.7307e-03	---CCTCTGCAGC GMCCCCCGCNG-	
MA0081.1_SPIB	6.0908e-03	--CCTCTGCAGC TTCKST-----	
MA0364.1_REI1	6.1713e-03	GCTGCAGAGG ---NCAGGG	
MA0048.1_NHLH1	7.9074e-03	--GCTGCAGAGG NCGCAGCTGCGN	
MA0287.1_CUP2	8.2036e-03	GCTGCAGAGG-- -CAGCARAAAWG	
MA0320.1_IME1	1.1608e-02	CCTCTGCAGC -CTCGGCGG-	
MA0150.1_NFE2L2	1.1664e-02	---CCTCTGCAGC RTGACWNAGCA--	

M23



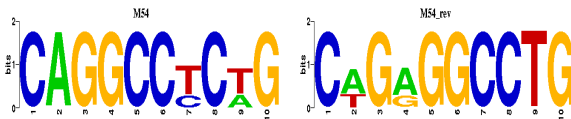
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.2_PPARG_RXRA	9.5589e-05	---CCTCWGCTCCC- TGMCCTTTGNCYNN	
MA0140.1_Tal1_Gata1	2.2421e-04	--CCTCWGCTCCC----- NTTATCTNNNNNNNNC	
MA0326.1_MAC1	1.0856e-03	CCTCWGCTCCC --TTTGCTCR-	
MA0079.2_SP1	2.2295e-03	GGGAGCWGAGG GGGGNGGGG-	
MA0316.1_HAP5	2.2540e-03	---CCTCWGCTCCC- ACCAATNAGMNSSN	
MA0443.1_btd	3.5036e-03	CCTCWGCTCCC- --YCCGCCMCN	
MA0305.1_GCR2	5.3322e-03	-GGGAGCWGAGG NGGAAGC-----	
MA0048.1_NHLH1	5.4035e-03	-GGGAGCWGAGG NCGCAGCTGCGN	
MA0323.1_IXR1	6.2386e-03	CCTCWGCTCCC----- -CMCCGCTTCCGGYTT	
MA0081.1_SPIB	6.2958e-03	--CCTCWGCTCCC TTCKST-----	

M47



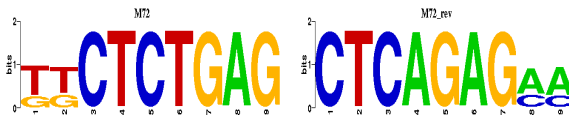
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0139.1_CTCF	7.5651e-05	---CGGCCYCTGC----- NNSYGCCMCCTRSTGGNNR	
MA0146.1_Zfx	7.7188e-05	-CGGCCYCTGC--- NAGGCCNNGGCNNN	
MA0364.1_REI1	1.1112e-04	GCAGRGGCCG NCAGGGG---	
MA0155.1_INSM1	1.6732e-04	CGGCCYCTGC-- YGCCCCCTGRCA	
MA0065.2_PPARG_RXRA	2.3281e-04	CGGCCYCTGC----- TGMCCTTTGNCYNN	
MA0366.1_RGM1	7.1633e-04	CGGCCYCTGC ---CCCCT--	
MA0342.1_MSN4	7.4399e-04	GCAGRGGCCG --AGGGG---	
MA0361.1_RDS1	7.7218e-04	GCAGRGGCCG ---NCGGCCG	
MA0429.1_YLL054C	9.0202e-04	GCAGRGGCCG ---NCGGCCG	
MA0341.1_MSN2	1.4814e-03	GCAGRGGCCG --AGGGG---	

M54



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0146.1_Zfx	7.8950e-05	CAGGCCTCTG---- NAGGCCNNGGCNNN	
MA0450.1_hkb	1.0451e-04	CAGAGGCCTG-- --KGGGCGTGA	
MA0364.1_REI1	8.0211e-04	--CAGAGGCCTG NCAGGGG----	
MA0155.1_INSM1	4.7426e-03	CAGGCCTCTG--- -YCCCCCTGRCA	
MA0081.1_SPIB	4.9545e-03	CAGGCCTCTG --TTCKST--	
MA0366.1_RGM1	5.0730e-03	CAGAGGCCTG -AGGGG----	
MA0114.1_HNF4A	6.3868e-03	CAGGCCTCTG---- -TGNMCTTTGNNCY	
MA0342.1_MSN4	6.5972e-03	CAGGCCTCTG ----CCCCT--	
MA0271.1_ARG80	8.5223e-03	CAGGCCTCTG ---GNGTCW--	
MA0260.1_che-1	1.3365e-02	CAGGCCTCTG --GGYTTC--	

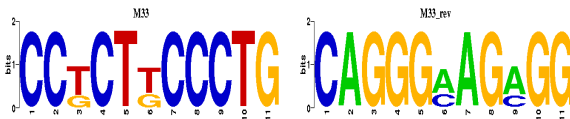
M72

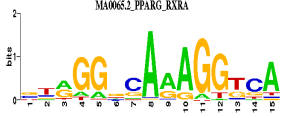

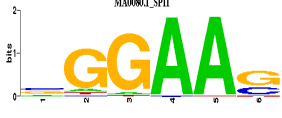
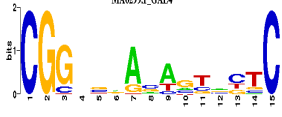



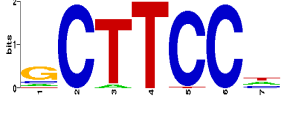






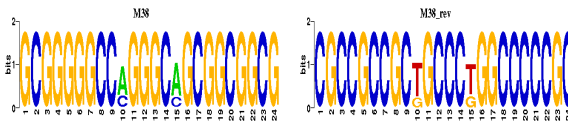
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0432.1_YNR063W	1.2960e-04	TTCTCTGAG ATCTCCGA-	
MA0407.1_THI2	4.9841e-03	-TTCTCTGAG----- GTTCTTASRGTTKCC	
MA0437.1_YPR196W	5.1558e-03	CTCAGAGAA-- --CGGRNAAAT	
MA0354.1_PDR8	1.1636e-02	TTCTCTGAG ATCTCCGN-	
MA0282.1_CEP3	1.3969e-02	TTCTCTGAG -NTTCCGAR	
MA0451.1_kni	2.0808e-02	-TTCTCTGAG-- NTGCTCTANTTT	
MA0150.1_NFE2L2	2.7442e-02	TTCTCTGAG---- --TGCTNWGTCA Y	
MA0014.1_Pax5	3.1339e-02	--TTCTCTGAG----- NGNNNNNYGNWCGKRRCSR	
MA0154.1_EBF1	3.2579e-02	TTCTCTGAG-- -TCCCTNGGGN	
MA0320.1_IME1	3.5266e-02	CTCAGAGAA CTCGGCGG-	

M33



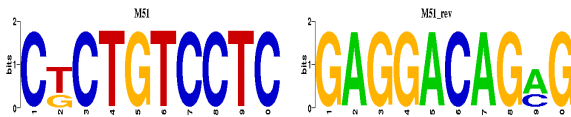
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.2_PPARG_RXRA	3.6037e-06	---CCTCTTCCCTG- TGMCCTTTGNCCYNN	
MA0062.1_GABPA	6.3498e-05	CAGGGAAGAGG ACCGGAAGNS-	
MA0080.1_SPI1	5.8014e-04	CCTCTTCCCTG ---STTCN--	
MA0299.1_GAL4	9.9940e-04	----CCTCTTCCCTG GANNRNTNTNNNCCG	
MA0364.1_REI1	1.0709e-03	-CAGGGAAGAGG NCAGGGG-----	
MA0323.1_IXR1	1.1232e-03	--CCTCTTCCCTG-- CMCCGCTTCCGGYTT	
MA0304.1_GCR1	1.8689e-03	CCTCTTCCCTG -GGTTCCA--	
MA0305.1_GCR2	2.3010e-03	CAGGGAAGAGG --NGGAAGC--	
MA0080.2_SPI1	2.4498e-03	CAGGGAAGAGG --AGGAAGT--	
MA0115.1_NR1H2_RXRA	2.7025e-03	-CAGGGAAGAGG----- AAAGGTCAAAGGTCAAS	


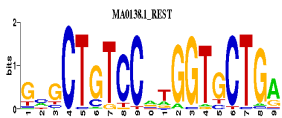
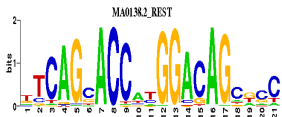



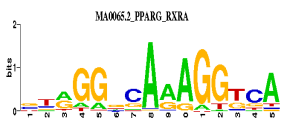



M38



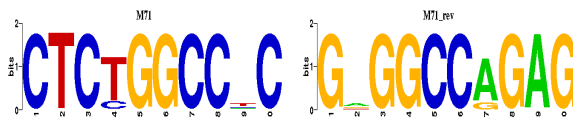
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0163.1_PLAG1	1.4256e-04	CGCCGCCGCTGCCCTGGCCCCCGC -----CCCCCTTNGGCCCC--	
MA0399.1_SUT1	1.4445e-04	CGCCGCCGCTGCCCTGGCCCCCGC- -----CCCCGCG	
MA0338.1_MIG2	1.9914e-04	-GCGGGGGCCAGGGCAGCGGCGGCG NGYGGGG-----	
MA0339.1_MIG3	2.6791e-04	-GCGGGGGCCAGGGCAGCGGCGGCG NGYGGGG-----	
MA0456.1_opa	3.5813e-04	-CGCCGCCGCTGCCCTGGCCCCCGC GMCCCCCGCNG-----	
MA0048.1_NHLH1	3.6444e-04	GCGGGGGCCAGGGCAGCGGCGGCG -----NCGCAGCTGCGN--	
MA0079.2_SP1	6.7986e-04	GCGGGGGCCAGGGCAGCGGCGGCG ---GGGGNGGGG-----	
MA0373.1_RPN4	7.1866e-04	CGCCGCCGCTGCCCTGGCCCCCGC CGCCACC-----	
MA0097.1_bZIP911	7.3024e-04	GCGGGGGCCAGGGCAGCGGCGGCG ----GCCACGTCAYC-----	
MA0123.1_abi4	7.7020e-04	GCGGGGGCCAGGGCAGCGGCGGCG -----NGNNGCRSCG	


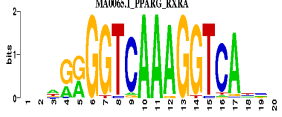
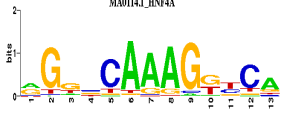

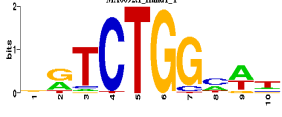
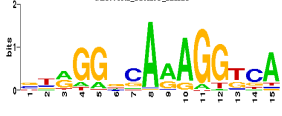



M51



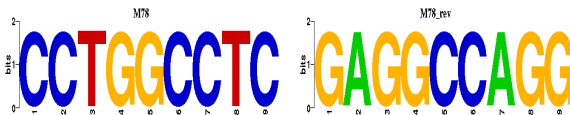
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	8.1353e-05	CTCTGTCCTC --CTGTCA--	
MA0138.1_REST	9.3163e-05	-CTCTGTCCTC----- GNGCTGTCCNWWGGTGCTGA	
MA0138.2_REST	1.7613e-04	--CTCTGTCCTC----- GNNGCTGTCCNNGGTGCTGAN	
MA0227.1_hth	1.7914e-04	CTCTGTCCTC --CTGTCA--	
MA0140.1_Tal1_Gata1	2.7356e-04	---CTCTGTCCTC----- NTTATCTNNNNNNNNNCNN	
MA0065.1_PPARG_RXRA	1.5592e-03	---GAGGACAGAG----- NNNGRGGTCAAAGGTCANN	
MA0065.2_PPARG_RXRA	1.7946e-03	----CTCTGTCCTC- TGMCCTTTGNCCYNN	
MA0115.1_NR1H2_RXRA	2.6529e-03	-----CTCTGTCCTC- STTGACCTTTGACCTTT	
MA0081.1_SPIB	2.8240e-03	-GAGGACAGAG ASMGAA----	
MA0405.1_TEA1	4.9679e-03	GAGGACAGAG CCGSRWN--	

M71




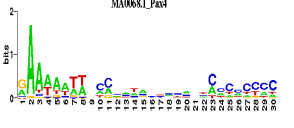




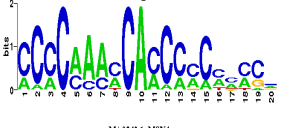



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0381.1_SKN7	2.2489e-04	CTCTGGCCNC --NYGGCC--	
MA0065.1_PPARG_RXRA	3.0505e-04	-----CTCTGGCCNC--- NNNTGACCTTTGACCYCNNN	
MA0114.1_HNF4A	5.2859e-04	GNGGCCAGAG---- -RGNNCAAAGKNCA	
MA0332.1_MET28	5.8904e-04	GNGGCCAGAG ----CCACAG	
MA0092.1_Hand1_T	5.9645e-04	GNGGCCAGAG- -NWNCCAGAYN	
MA0065.2_PPARG_RXRA	6.6043e-04	----CTCTGGCCNC- TGMCCCTTTGNCCYNN	
MA0163.1_PLAG1	1.0333e-03	----CTCTGGCCNC CCCCCTTNGGCCCC	
MA0115.1_NR1H2_RXRA	1.6084e-03	-----CTCTGGCCNC- STTGACCTTTGACCTTT	
MA0278.1_BAS1	1.7121e-03	-----CTCTGGCCNC-- NNNWNYTGACTCNGGCYNNNN	
MA0450.1_hkb	2.9582e-03	CTCTGGCCNC -TCACGCCCM	

**M78**

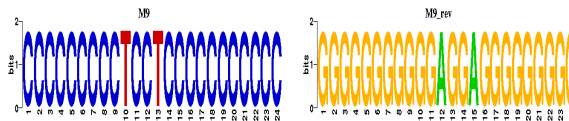




*forward*                      *reverse compliment*

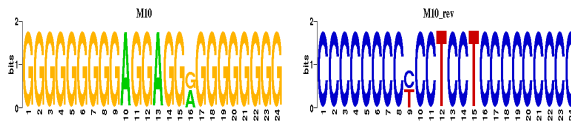
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	4.1074e-12	CCCCCCCCTCCTTCCTCCCCCCC -----CCTTCCTTCCTTCCTTC--	
MA0068.1_Pax4	5.7276e-06	GGGGGGGAGGAAGGAGGGGGGG----- --GKRNNNNKNNNNNNNNNNNNKNNWWWTWTY	
MA0079.2_SPI1	2.6361e-05	GGGGGGGAGGAAGGAGGGGGGG ---GGGGNGGGG-----	
MA0443.1_btd	1.1076e-04	CCCCCCCCTCCTTCCTCCCCCCC- -----YCCGCCMCN	
MA0080.2_SPI1	1.1377e-04	CCCCCCCCTCCTTCCTCCCCCCC -----ACTTCCT-----	
MA0366.1_RGM1	1.9643e-04	CCCCCCCCTCCTTCCTCCCCCCC ---CCCCT-----	
MA0073.1_RREB1	2.4799e-04	GGGGGGGAGGAAGGAGGGGGGG -NGKKKGKGGGTGKTTTGGGG---	
MA0342.1_MSNA	2.7267e-04	CCCCCCCCTCCTTCCTCCCCCCC ---CCCCT-----	
MA0081.1_SPIB	5.4997e-04	CCCCCCCCTCCTTCCTCCCCCCC -----TTCKST-----	
MA0341.1_MSNA	6.6175e-04	GGGGGGGAGGAAGGAGGGGGGG -----AGGG-----	

**M9**



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

**M10**

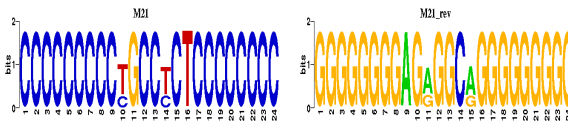




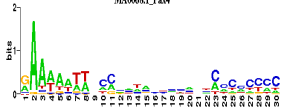
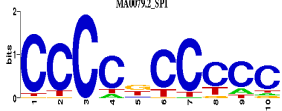
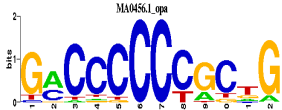
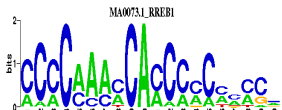





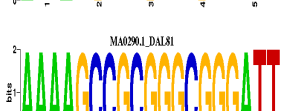


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	4.4700e-10	-GGGGGGGGGAGGGAGGGGGGGGGG NGKKKGKGGGTGKTTTGGGG-----	
MA0079.2_SP1	3.9160e-09	GGGGGGGGGAGGGAGGGGGGGGGG -----GGGGGNGGGG-----	
MA0068.1_Pax4	1.7302e-08	GGGGGGGGGAGGGAGGGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTTY	
MA0149.1_EWSR1-FLI1	1.7526e-05	CCCCCCCCCTCCCTCCCCCCCCC ---CCTTCCTTCCTTCCTTCC---	
MA0163.1_PLAG1	9.7395e-05	CCCCCCCCCTCCCTCCCCCCCCC -----CCCCCTNNGGCCCC-----	
MA0443.1_btd	1.2763e-04	CCCCCCCCCTCCCTCCCCCCCCC -----YCCGCCCMCN---	
MA0456.1_opa	1.4734e-04	GGGGGGGGGAGGGAGGGGGGGGGG -----CNGCGGGGGGKC	
MA0366.1_RGM1	2.1438e-04	CCCCCCCCCTCCCTCCCCCCCCC -----CCCCT-----	
MA0342.1_MSN4	3.0125e-04	GGGGGGGGGAGGGAGGGGGGGGGG -----AGGGG-----	
MA0450.1_hkb	3.9914e-04	CCCCCCCCCTCCCTCCCCCCCCC -----TCACGCCCM-----	

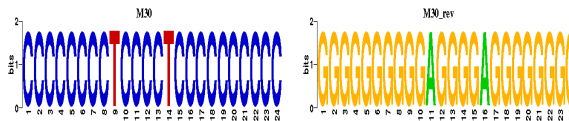
**M21**



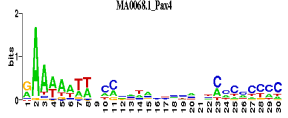
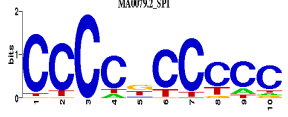
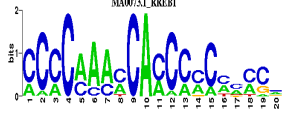
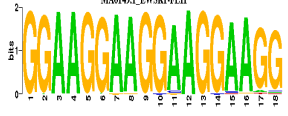






*forward*                      *reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0068.1_Pax4	8.2356e-09	GGGGGGGAGAGGCAGGGGGGGG----- GKRNNNNKNNNNNNNNNNKNNWWWTWTY	
MA0079.2_SP1	1.3236e-08	GGGGGGGAGAGGCAGGGGGGGG ---GGGGNGGGG-----	
MA0456.1_opa	2.4694e-06	-CCCCCCCCTGCCTCTCCCCCCC GMCCCCCGCNG-----	
MA0073.1_RREB1	4.6496e-06	GGGGGGGAGAGGCAGGGGGGGG NGKKKGKGGTGKTTTGGG----	
MA0364.1_REI1	8.3603e-05	GGGGGGGAGAGGCAGGGGGGGG -----NCAGGGG-----	
MA0341.1_MSX2	9.0503e-05	GGGGGGGAGAGGCAGGGGGGGG -----AGGGG-----	
MA0342.1_MSX4	1.0086e-04	GGGGGGGAGAGGCAGGGGGGGG -----AGGGG-----	
MA0443.1_btd	1.1076e-04	CCCCCCCCCTGCCTCTCCCCCCC- -----YCCGCCMCN	
MA0366.1_RGM1	1.7039e-04	CCCCCCCCCTGCCTCTCCCCCCC ----CCCCT-----	
MA0290.1_DAL81	8.3239e-04	---CCCCCCCCCTGCCTCTCCCCCCC AATCCCGCCCGCGCTTT-----	

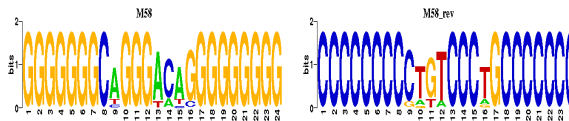
**M30**



*forward*                      *reverse compliment*

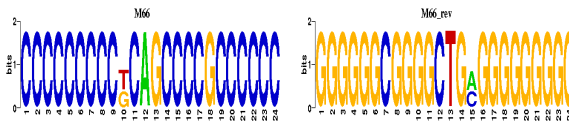
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0068.1_Pax4	9.1038e-15	GGGGGGGGGAGGGGAGGGGGGGG----- --GKRNNNNKNNNNNNNNNNKNNWWWTWTTY	
MA0079.2_SP1	1.1574e-11	GGGGGGGGGAGGGGAGGGGGGGG -----GGGGGNGGGG-----	
MA0073.1_RREB1	6.9923e-10	GGGGGGGGGAGGGGAGGGGGGGG NGKKKGKGGTGKTTTGGGG-----	
MA0149.1_EWSR1-FLI1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

**M58**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.2730e-07	CCCCCCCCCTGTCCCTGCCCCCCC -----CCCCNCCCCC---	
MA0456.1_opa	8.0165e-07	GGGGGGGCAGGGACAGGGGGGGG-- -----CNGCGGGGGGKC	
MA0364.1_REI1	5.8535e-05	GGGGGGGCAGGGACAGGGGGGGG -----NCAGGGG-----	
MA0366.1_RGM1	1.0327e-04	CCCCCCCCCTGTCCCTGCCCCCCC -----CCCCT-----	
MA0342.1_MSN4	1.2887e-04	CCCCCCCCCTGTCCCTGCCCCCCC -----CCCCT-----	
MA0159.1_RXR_RAR_DR5	2.5397e-04	CCCCCCCCCTGTCCCTGCCCCCCC ----TGACCTNYNNNTGAMCY---	
MA0341.1_MSN2	4.0008e-04	GGGGGGGCAGGGACAGGGGGGGG -----AGGG-----	
MA0163.1_PLAG1	5.6249e-04	GGGGGGGCAGGGACAGGGGGGGG -----GGGGCCNAAGGGG---	
MA0155.1_INSM1	9.7356e-04	CCCCCCCCCTGTCCCTGCCCCCCC --YGCCCCCTGRCA-----	
MA0068.1_Pax4	1.0339e-03	GGGGGGGCAGGGACAGGGGGGGG----- GKRNNNNKNNNNNNNNNNKNNWWWTWT TY	

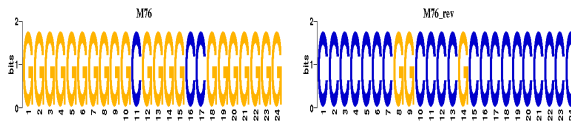
**M66**





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

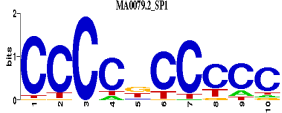









**M76**



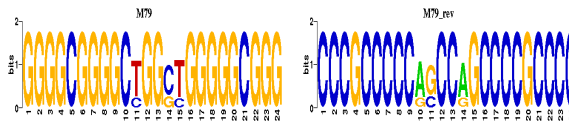




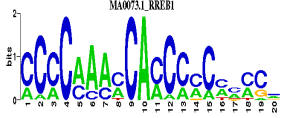
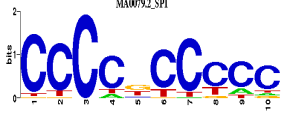


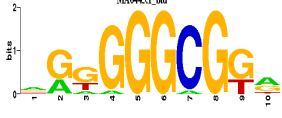
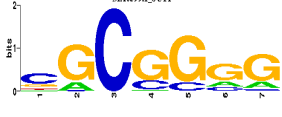
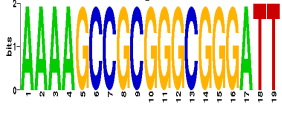





	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	8.4344e-08	CCCCGCCGCCGCCGCCGCCGCC CCCCNCCCC-----	
MA0123.1_abi4	3.2361e-06	-GGGGCGGCGGCGGCGGCGGG NGNNGCRSCG-----	
MA0399.1_SUT1	1.4445e-04	CCCCGCCGCCGCCGCCGCCGCC CCCCCG-----	
MA0338.1_MIG2	1.9914e-04	GGGGCGGCGGCGGCGGCGGG -----NGYGGG	
MA0339.1_MIG3	2.6791e-04	GGGGCGGCGGCGGCGGCGGG -----NGYGGG	
MA0443.1_btd	5.1164e-04	CCCCGCCGCCGCCGCCGCCGCC -----YCCGCCMCN	
MA0283.1_CHA4	6.5783e-04	-CCCCGCCGCCGCCGCCGCCGCC NCTCCGCC-----	
MA0373.1_RPN4	7.1866e-04	CCCCGCCGCCGCCGCCGCCGCC ---CGCCACC-----	
MA0337.1_MIG1	8.6042e-04	GGGGCGGCGGCGGCGGCGGG -----SYGGGN	
MA0162.1_Egr1	9.1247e-04	CCCCGCCGCCGCCGCCGCCGCC --MCGCCACGCN-----	

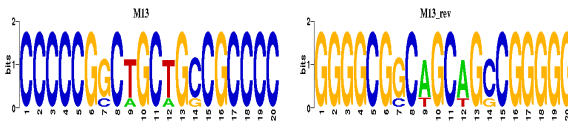
**M79**






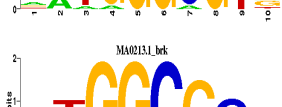


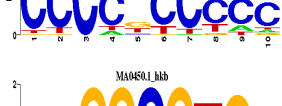



*forward*                      *reverse compliment*

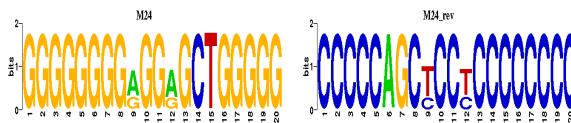
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	4.3459e-09	GGGGCGGGGCTGGCTGGGGGCGGG NGKKKGKGGGTGKTTTGGGG----	
MA0079.2_SP1	8.3256e-09	GGGGCGGGGCTGGCTGGGGGCGGG- -----GGGGNGGGG	
MA0039.2_Klf4	2.4830e-07	CCCGCCCCAGCCAGCCCCGCCCC -----GCCMCRCCCN	
MA0155.1_INSM1	3.2214e-07	GGGGCGGGGCTGGCTGGGGGCGGG -----TGTCAGGGGGGCR--	
MA0443.1_btd	8.2371e-07	CCCGCCCCAGCCAGCCCCGCCCC YCCGCCCMCN-----	
MA0399.1_SUT1	1.4445e-04	CCCGCCCCAGCCAGCCCCGCCCC -----CCCCGCG--	
MA0290.1_DAL81	1.5759e-04	---CCCGCCCCAGCCAGCCCCGCCCC AATCCCGCCCGGGCTTTT-----	
MA0338.1_MIG2	1.9914e-04	GGGGCGGGGCTGGCTGGGGGCGGG --NGYGGG-----	
MA0373.1_RPN4	2.4675e-04	CCCGCCCCAGCCAGCCCCGCCCC --CGCCACC-----	
MA0339.1_MIG3	2.6791e-04	GGGGCGGGGCTGGCTGGGGGCGGG --NGYGGG-----	

**M13**



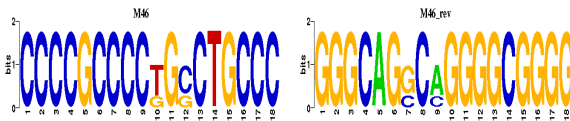
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	1.0727e-06	CCCCCGGCTGCTGCCGCCCC TCCCCGGN-----	
MA0055.1_Myf	1.1956e-06	CCCCCGGCTGCTGCCGCCCC ----CAGCAGYTGCYK----	
MA0456.1_opa	3.5726e-06	--CCCCCGGCTGCTGCCGCCCC GMCCCCCGCNG-----	
MA0123.1_abi4	1.6396e-04	-GGGGCGGCAGCAGCCGGGG NGNNGCRSCG-----	
MA0443.1_btd	4.2872e-04	CCCCCGGCTGCTGCCGCCCC-- -----YCCGCCMCN	
MA0213.1_brk	4.9346e-04	CCCCCGGCTGCTGCCGCCCC -----SYGGCGCY--	
MA0410.1_UGA3	5.6958e-04	CCCCCGGCTGCTGCCGCCCC -----TCCCGCCN-	
MA0079.2_SP1	8.9566e-04	-GGGGCGGCAGCAGCCGGGG GGGGNGGGG-----	
MA0450.1_hkb	1.8353e-03	CCCCCGGCTGCTGCCGCCCC -----TCACGCCM	
MA0003.1_TFAP2A	2.0665e-03	-CCCCCGGCTGCTGCCGCCCC SCNNNNGGC-----	

M24



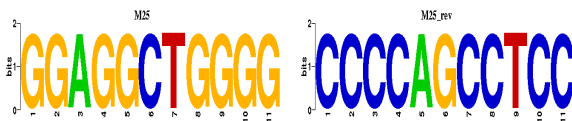
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	4.6511e-10	GGGGGGGGAGGAGCTGGGGG NGKKKGKGGGTGKTTTGGGG	
MA0068.1_Pax4	9.7483e-10	--GGGGGGGGAGGAGCTGGGGG----- GKRNNNNNKNNNNNNNNNNNNKNNWWWTWTTY	
MA0079.2_SP1	1.9295e-08	CCCCCAGCTCCTCCCCCCCC -----CCCNCCCC--	
MA0443.1_btd	2.4348e-05	CCCCCAGCTCCTCCCCCCCC-- -----YCCGCCMCN	
MA0456.1_opa	7.9634e-04	--CCCCCAGCTCCTCCCCCCCC GMCCCCCGCNG-----	
MA0140.1_Tal1_Gata1	1.0262e-03	CCCCCAGCTCCTCCCCCCCC --NTTATCTNNNNNNNNNCNN	
MA0056.1_MZF1_1-4	1.3451e-03	CCCCCAGCTCCTCCCCCCCC -----TCCCN--	
MA0450.1_hkb	2.0257e-03	CCCCCAGCTCCTCCCCCCCC -----TCACGCCM	
MA0344.1_NHP10	2.1125e-03	GGGGGGGGAGGAGCTGGGGG -----NCCGGGGA	
MA0283.1_CHA4	2.8367e-03	CCCCCAGCTCCTCCCCCCCC -----NCTCCGCC--	

**M46**



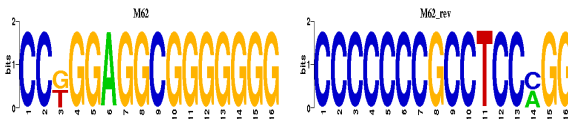
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.5323e-09	CCCCGCCCTGCCTGCC CCCNCCCC-----	
MA0323.1_IXR1	4.6148e-06	CCCCGCCCTGCCTGCC CMCCGCTTCCGGYTT---	
MA0290.1_DAL81	2.1130e-05	--CCCCGCCCTGCCTGCC AATCCCGCCCGGGCTTTT-	
MA0364.1_REI1	3.0831e-05	GGGCAGGCAGGGGCGGG -----NCAGGGG-----	
MA0039.2_Klf4	3.2564e-05	-CCCCGCCCTGCCTGCC GCCMCRCCN-----	
MA0443.1_btd	5.0428e-05	CCCCGCCCTGCCTGCC -YCCGCCMCN-----	
MA0399.1_SUT1	5.9201e-05	CCCCGCCCTGCCTGCC CCCCGG-----	
MA0366.1_RGM1	8.2104e-05	CCCCGCCCTGCCTGCC -----CCCCT-----	
MA0338.1_MIG2	8.2528e-05	GGGCAGGCAGGGGCGGG -----NGYGGGG	
MA0342.1_MSN4	1.0979e-04	GGGCAGGCAGGGGCGGG -----AGGGG-----	

M25



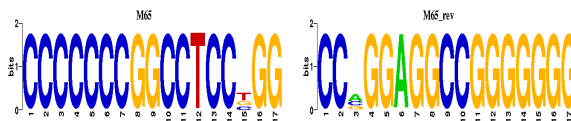
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.5619e-07	GGAGGCTGGGG GGGGGNGGGG-	
MA0344.1_NHP10	1.9410e-04	GGAGGCTGGGG- ----NCCGGGGA	
MA0039.2_Klf4	7.0420e-04	-CCCCAGCCTCC GCCMCRCCCN--	
MA0073.1_RREB1	7.2490e-04	-----GGAGGCTGGGG- NGKKKGKGGGTGKTTTGGGG	
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**



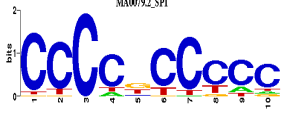
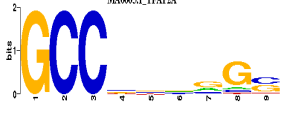
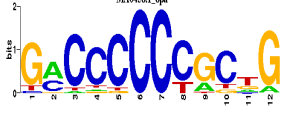


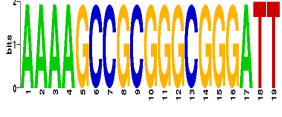
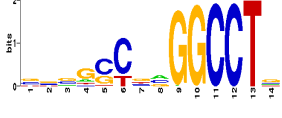



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	9.4918e-10	CCKGGAGGCGGGGGGG ---GGGGNGGGG---	
MA0456.1_opa	9.7760e-07	CCKGGAGGCGGGGGGG- -----CNGCGGGGGGKC	
MA0399.1_SUT1	4.6061e-05	CCCCCGCCTCCMGG ---CCCCGCG-----	
MA0338.1_MIG2	6.4163e-05	CCKGGAGGCGGGGGGG -----NGYGGGG---	
MA0339.1_MIG3	8.7202e-05	CCKGGAGGCGGGGGGG -----NGYGGGG---	
MA0323.1_IXR1	8.9544e-05	--CCKGGAGGCGGGGGGG AARCCGGAAGCGGKG---	
MA0283.1_CHA4	1.7449e-04	CCCCCGCCTCCMGG --NCTCCGCC-----	
MA0443.1_btd	2.0381e-04	CCCCCGCCTCCMGG ----YCCGCCCMCN--	
MA0373.1_RPN4	2.4305e-04	CCCCCGCCTCCMGG -----CGCCACC---	
MA0079.1_SP1	2.5762e-04	CCCCCGCCTCCMGG --ACCCNGCCNN----	

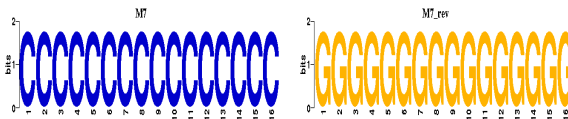
**M65**

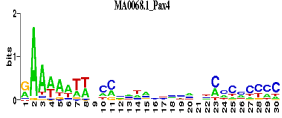
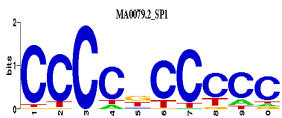
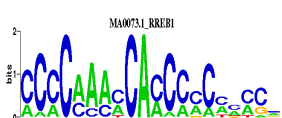

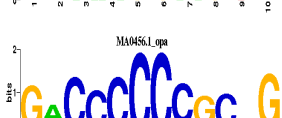









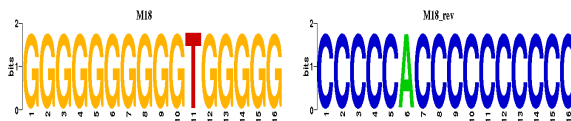
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	4.1526e-07	CCCCCCCCGGCCTCCNGG --TCCCCGNN-----	
MA0163.1_PLAG1	4.1575e-06	CCCCCCCCGGCCTCCNGG CCCCCTTNGGCCCC---	
MA0079.2_SP1	2.9623e-05	CCNGGAGGCCGGGGGGG ---GGGGNGGGG----	
MA0003.1_TFAP2A	5.2864e-05	CCCCCCCCGGCCTCCNGG -SCNNNNGGC-----	
MA0456.1_opa	2.5420e-04	CCNGGAGGCCGGGGGGG- -----CNGCGGGGGGKC	
MA0323.1_IXR1	2.8705e-04	CCCCCCCCGGCCTCCNGG-- ----CMCCGCTTCCGGYTT	
MA0399.1_SUT1	4.1610e-04	CCNGGAGGCCGGGGGGG -----CGCGGGG-	
MA0290.1_DAL81	1.7419e-03	-----CCCCCCCCGGCCTCCNGG AATCCCGCCCCGCGGCTTTT---	
MA0146.1_Zfx	2.3012e-03	CCNGGAGGCCGGGGGGG- ----NAGGCCNNGGCNNN	
MA0304.1_GCR1	2.5491e-03	CCCCCCCCGGCCTCCNGG -----GGCTTCCA--	

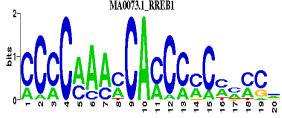
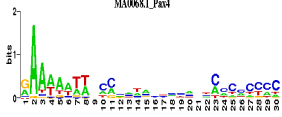
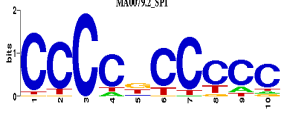
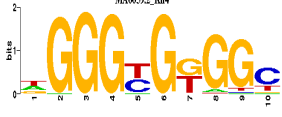




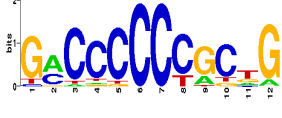
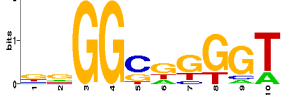
**M7**



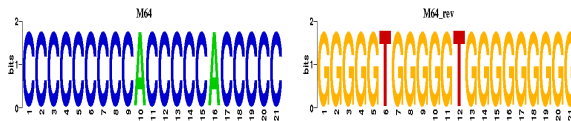
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0068.1_Pax4	6.6548e-10	GGGGGGGGGGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWT T Y	
MA0079.2_SP1	1.6629e-09	CCCCCCCCCCCCCCCC CCCNCCCC-----	
MA0073.1_RREB1	4.3052e-09	----GGGGGGGGGGGGGGG NGKKKGKGGGTGKTTTGGGG	
MA0443.1_btd	3.2598e-04	CCCCCCCCCCCCCCCC YCCGCCMCN-----	
MA0456.1_opa	1.3173e-03	--GGGGGGGGGGGGGGGG CNGCGGGGGGKC-----	
MA0163.1_PLAG1	2.2630e-03	GGGGGGGGGGGGGGGG GGGGCCNAAGGGGG--	
MA0039.2_Klf4	4.0395e-03	-CCCCCCCCCCCCCCCC GCCMCRCCN-----	
MA0341.1_MSN2	5.7723e-03	GGGGGGGGGGGGGGGG AGGG-----	
MA0079.1_SP1	1.1500e-02	-CCCCCCCCCCCCCCCC ACCNGCCNN-----	
MA0342.1_MSN4	1.3548e-02	GGGGGGGGGGGGGGGG GGG-----	

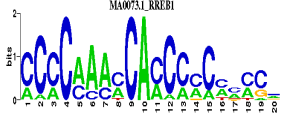
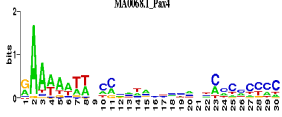
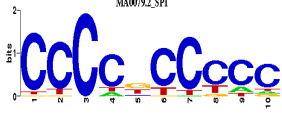
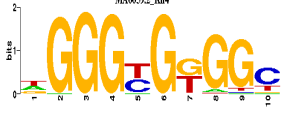



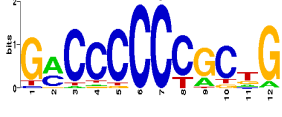


**M18**



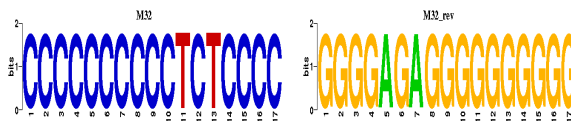
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	2.6336e-12	----GGGGGGGGGTGGGG NGKKKGKGGGTGKTTTGGGG	
MA0068.1_Pax4	6.3985e-12	GGGGGGGGGTGGGG----- GKRNNNNKNNNNNNNNNNKNNWWWWTTTY	
MA0079.2_SP1	1.6629e-09	CCCCACCCCCCCCC -----CCCNCCCC	
MA0039.2_Klf4	7.7240e-06	CCCCACCCCCCCCC GCCMCRCN-----	
MA0436.1_YPR022C	1.9673e-05	GGGGGGGGGTGGGG -----NGTGGGG-	
MA0268.1_ADR1	6.3698e-05	GGGGGGGGGTGGGG -----KTGGGGN	
MA0450.1_hkb	1.3317e-04	CCCCACCCCCCCCC ---TCACGCCM----	
MA0373.1_RPN4	1.8146e-04	GGGGGGGGGTGGGG -----GGTGGCG-	
MA0456.1_opa	2.2763e-04	CCCCACCCCCCCCC ----GMCCCCCGCNG	
MA0079.1_SP1	2.3729e-04	CCCCACCCCCCCCC -----ACCCNGCCNN-	

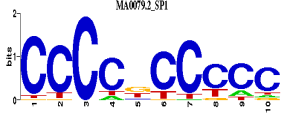
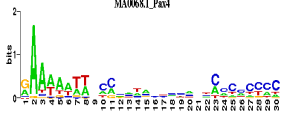
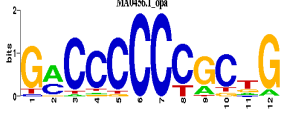
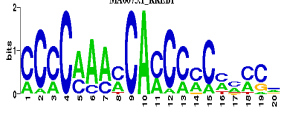




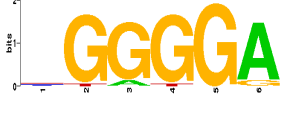

**M64**



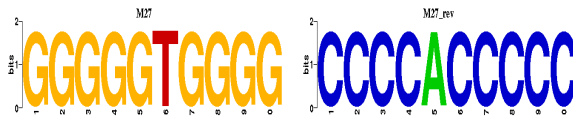
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	2.2204e-16	GGGGGTGGGGGTGGGGGGGGG -NGKKKGKGGGTGKTTTGGGG	
MA0068.1_Pax4	1.5896e-11	GGGGGTGGGGGTGGGGGGGGG----- -GKRNNNNKNNNNNNNNNNNNKNNWWWTWTYY	
MA0079.2_SP1	8.4190e-08	CCCCCCCCACCCCCACCCCC -----CCCNCCCC-----	
MA0039.2_Klf4	2.7129e-05	CCCCCCCCACCCCCACCCCC -----GCCMCRCNN-----	
MA0436.1_YPR022C	4.3236e-05	GGGGGTGGGGGTGGGGGGGGG ---NGTGGGG-----	
MA0268.1_ADR1	1.3747e-04	GGGGGTGGGGGTGGGGGGGGG ---KTGGGGN-----	
MA0373.1_RPN4	3.8348e-04	GGGGGTGGGGGTGGGGGGGGG ---GGTGGCG-----	
MA0456.1_opa	7.4132e-04	GGGGGTGGGGGTGGGGGGGGG -----CNGCGGGGGGKC-	
MA0443.1_btd	9.3652e-04	CCCCCCCCACCCCCACCCCC YCCGCCMCN-----	
MA0337.1_MIG1	1.0473e-03	GGGGGTGGGGGTGGGGGGGGG ---SYGGGN-----	

M32



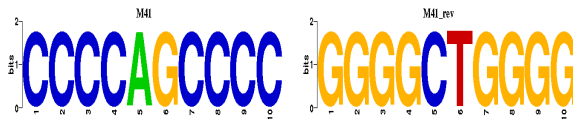
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.0653e-09	CCCCCCCCCTCTCCCC CCCNCCCC-----	
MA0068.1_Pax4	1.6870e-06	----GGGGAGAGGGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWWTWT Y	
MA0456.1_opa	1.5097e-05	GGGGAGAGGGGGGGGGGG ---CNGCGGGGGGKC--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

M27



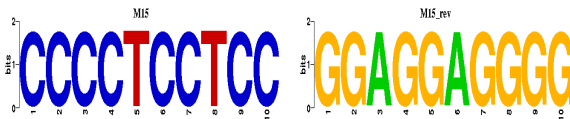
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	5.8601e-11	CCCCACCCCC CCCNCCCCC	
MA0039.2_Klf4	9.0358e-08	-CCCCACCCCC GCCMCRCCCN-	
MA0436.1_YPR022C	1.6405e-06	GGGGGTGGGG ---NGTGGGG	
MA0268.1_ADR1	6.1122e-06	GGGGGTGGGG- ----KTGGGGN	
MA0443.1_btd	9.8597e-06	CCCCACCCCC- -YCCGCCCMCN	
MA0073.1_RREB1	1.4605e-05	-----GGGGGTGGGG----- NGKKKGKGGGTGKTTTGGGG	
MA0373.1_RPN4	1.9891e-05	GGGGGTGGGG ---GGTGGCG	
MA0068.1_Pax4	2.5893e-05	-----CCCCACCCCC----- RAAWAWWWNNMNNNNNNNNNNNNMNNNNNYMC	
MA0337.1_MIG1	6.4119e-05	GGGGGTGGGG- ----SYGGGNN	
MA0339.1_MIG3	7.7853e-05	GGGGGTGGGG ---NGYGGGG	

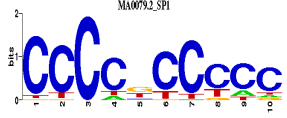





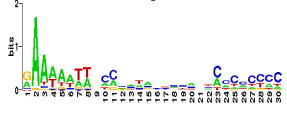

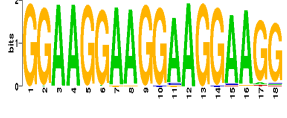

**M41**



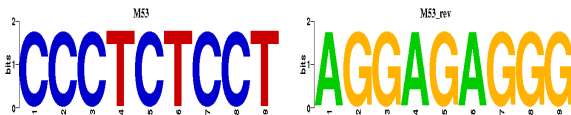
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	6.1481e-08	-GGGGCTGGGG GGGGGNGGGG-	
MA0344.1_NHP10	1.0450e-04	GGGGCTGGGG- ---NCCGGGGA	
MA0039.2_Klf4	3.0507e-04	-CCCCAGCCCC GCCMCRCNN-	
MA0332.1_MET28	5.3056e-04	CCCCAGCCCC CCACAG----	
MA0079.1_SP1	6.1064e-04	CCCCAGCCCC ACCCNGCCNN	
MA0267.1_ACE2	6.9099e-04	GGGGCTGGGG --NGCTGGN-	
MA0268.1_ADR1	8.1934e-04	GGGGCTGGGG- ----KTGGGGN	
MA0436.1_YPR022C	8.4360e-04	GGGGCTGGGG ---NGTGGGG	
MA0443.1_btd	8.6093e-04	--GGGGCTGGGG NGKGGGCGGR--	
MA0065.2_PPARG_RXRA	1.9722e-03	--GGGGCTGGGG--- NNRGGNCAAAGGKCA	

M15



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.1763e-11	CCCCTCCTCC CCCCNCCCCC	
MA0366.1_RGM1	6.3946e-06	CCCCTCCTCC CCCCT-----	
MA0342.1_MS4	6.7232e-06	GGAGGAGGGG -----AGGGG	
MA0341.1_MS2	1.6824e-05	GGAGGAGGGG -----AGGGG	
MA0323.1_IXR1	2.1706e-04	CCCCTCCTCC----- CMCCGCTTCCGGYTT	
MA0283.1_CHA4	2.2440e-04	CCCCTCCTCC --NCTCCGCC	
MA0068.1_Pax4	4.0635e-04	-----CCCCTCCTCC----- RAAWAWWWNNMNNNNNNNNNNNNMNNNNNYMC	
MA0364.1_REI1	6.7413e-04	GGAGGAGGGG ---NCAGGGG	
MA0149.1_EWSR1-FLI1	1.2662e-03	-GGAGGAGGGG----- GGAAGGAAGGAAGGAAGG	
MA0431.1_YML081W	1.7052e-03	GGAGGAGGGG- --NWNGGGGN	

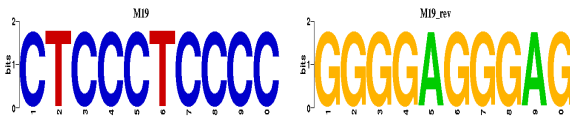
**M53**





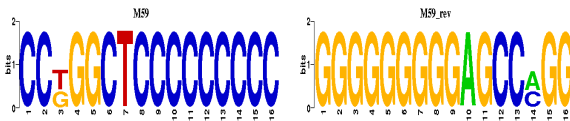
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	4.1813e-05	AGGAGAGGG- GGGGGNGGGG	
MA0159.1_RXR_RAR_DR5	4.6371e-04	--CCCTCTCCT----- TGACCTNYNNNTGAMCY	
MA0354.1_PDR8	1.5359e-03	CCCTCTCCT- --ATCTCCGN	
MA0432.1_YNR063W	1.6070e-03	-AGGAGAGGG 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_MS4	3.2069e-03	-CCCTCTCCT CCCCT-----	
MA0081.1_SPIB	3.9044e-03	-CCCTCTCCT TTCKST---	
MA0341.1_MS2	5.8483e-03	AGGAGAGGG- -----AGGGG	

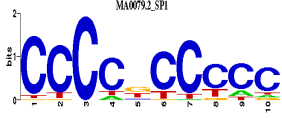
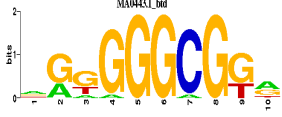
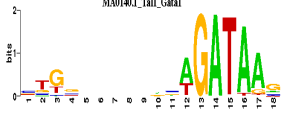

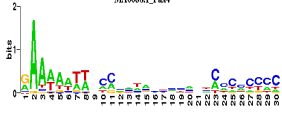


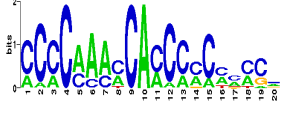
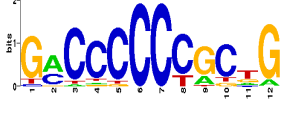

M19



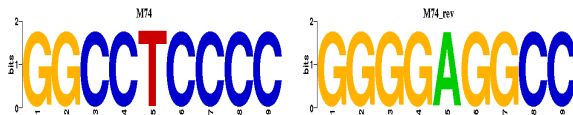
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	4.8145e-08	-GGGGAGGGAG GGGGGNGGGG-	
MA0068.1_Pax4	1.1324e-05	GGGGAGGGAG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTTT Y	
MA0450.1_hkb	2.2132e-05	CTCCCTCCCC -TCACGCCCM	
MA0056.1_MZF1_1-4	7.3927e-05	CTCCCTCCCC- -----TCCCN	
MA0410.1_UGA3	2.3044e-04	GGGGAGGGAG -NGGCGGGA-	
MA0290.1_DAL81	3.3273e-04	-CTCCCTCCCC----- AATCCCGCCCGCGGCTTTT	
MA0443.1_btd	6.2734e-04	--GGGGAGGGAG NGKGGGCGGR--	
MA0140.1_Tal1_Gata1	9.1928e-04	-----CTCCCTCCCC--- NTTATCTNNNNNNNNNCNN	
MA0149.1_EWSR1-FLI1	1.3166e-03	-----CTCCCTCCCC CCTTCCTTCCTTCCTCC-	
MA0344.1_NHP10	2.9189e-03	CTCCCTCCCC--- -----TCCCGGN	

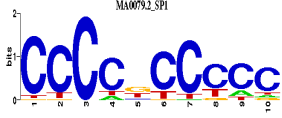



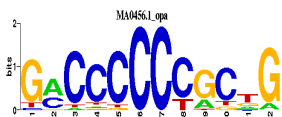
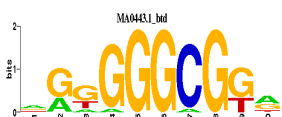
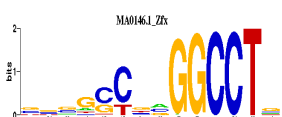
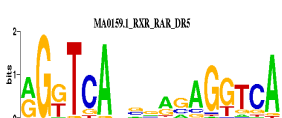


**M59**



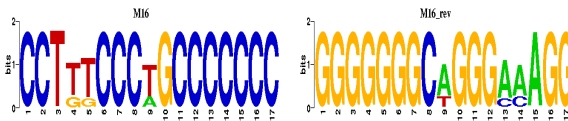
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.9088e-06	GGGGGGGGGAGCCMGG GGGGGNGGGG-----	
MA0443.1_btd	2.0618e-05	CCKGGCTCCCCCCCC -----YCCGCCMCN	
MA0140.1_Tal1_Gata1	1.2087e-04	CCKGGCTCCCCCCCC-- NTTATCTNNNNNNNNC	
MA0105.1_NFKB1	2.4620e-04	GGGGGGGGGAGCCMGG ----GGGGAATCCCC-	
MA0068.1_Pax4	2.8121e-04	GGGGGGGGGAGCCMGG----- -GKRNNNNKNNNNNNNNNNKNNWWWTTTY	
MA0056.1_MZF1_1-4	4.0138e-04	CCKGGCTCCCCCCCC -----TCCCN-----	
MA0450.1_hkb	4.3037e-04	CCKGGCTCCCCCCCC -----TCACGCCM-	
MA0073.1_RREB1	5.3967e-04	-GGGGGGGGGAGCCMGG--- NGKKKGKGGGTGKTTGGGG	
MA0456.1_opa	1.3173e-03	--GGGGGGGGGAGCCMGG CNGCGGGGGGKC-----	
MA0304.1_GCR1	1.5846e-03	CCKGGCTCCCCCCCC ---GGCTTCCA-----	

M74



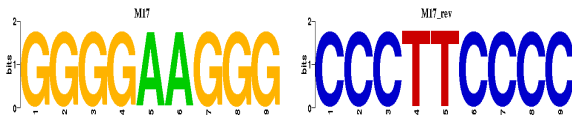
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	8.7372e-06	-GGGGAGGCC GGGGGNGGGG	
MA0056.1_MZF1_1-4	4.2872e-05	GGCTCCCC- ----TCCCCN	
MA0105.1_NFKB1	1.0015e-04	--GGCCTCCCC GGGGAATCCCC	
MA0304.1_GCR1	1.1111e-04	GGCCTCCCC GGCTTCCA-	
MA0456.1_opa	3.2133e-04	----GGGGAGGCC CNGCGGGGGGKC-	
MA0443.1_btd	8.5539e-04	--GGGGAGGCC NGKGGGCGGR-	
MA0146.1_Zfx	8.9496e-04	--GGCCTCCCC--- NAGGCCNNGGCNNN	
MA0159.1_RXR_RAR_DR5	9.5267e-04	-GGCCTCCCC----- TGACCTNYNNNTGAMCY	
MA0344.1_NHP10	1.6034e-03	GGCCTCCCC--- ----TCCCCGN	
MA0123.1_abi4	1.9592e-03	-GGGGAGGCC NGNNGCRSCG	

**M16**



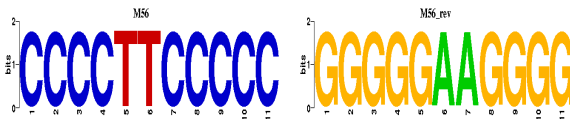
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.6288e-08	CCTTTCCCTGCCCCCCC -----CCCNCCCC--	
MA0140.1_Tal1_Gata1	5.7368e-06	CCTTTCCCTGCCCCCCC--- --NTTATCTNNNNNNNNNCNN	
MA0159.1_RXR_RAR_DR5	4.7684e-05	---CCTTTCCCTGCCCCCCC TGACCTNYNNNTGAMCY---	
MA0456.1_opa	2.1698e-04	----GGGGGGCAGGGAAAGG CNGCGGGGGGKC-----	
MA0039.1_Klf4	6.1899e-04	CCTTTCCCTGCCCCCCC CCTYYTYTN-----	
MA0443.1_btd	7.6883e-04	CCTTTCCCTGCCCCCCC -----YCCGCCMCN--	
MA0123.1_abi4	2.0994e-03	GGGGGGCAGGGAAAGG --NGNNGCRSCG-----	
MA0068.1_Pax4	2.4714e-03	GGGGGGCAGGGAAAGG----- GKRNNNNKNNNNNNNNNNKNNWWWTWTY	
MA0163.1_PLAG1	2.4740e-03	CCTTTCCCTGCCCCCCC --CCCCCTTNGGCC--	
MA0039.2_Klf4	5.9817e-03	CCTTTCCCTGCCCCCCC-- -----GCCMCRCCCN	

**M17**



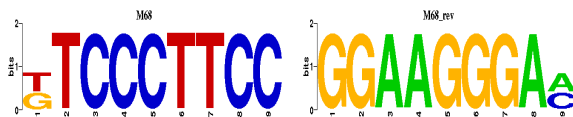
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.8701e-08	GGGGAAGGG- GGGGGNGGGG	
MA0056.1_MZF1_1-4	4.2872e-05	CCCTTCCCC- ----TCCCCN	
MA0065.2_PPARG_RXRA	5.2993e-05	---GGGGAAGGG--- NNRGGNCAAAGGKCA	
MA0039.1_Klf4	6.3995e-05	CCCTTCCCC-- -CCTYYTTN	
MA0080.1_SPI1	9.1317e-05	CCCTTCCCC --STCCN-	
MA0305.1_GCR2	3.8743e-04	CCCTTCCCC -GCTCCN-	
MA0080.2_SPI1	4.1676e-04	CCCTTCCCC -ACTTCCT-	
MA0105.1_NFKB1	5.8413e-04	GGGGAAGGG-- GGGAATCCCC	
MA0026.1_Eip74EF	6.6418e-04	CCCTTCCCC --YTCCGG	
MA0304.1_GCR1	1.5878e-03	CCCTTCCCC GGCTCCA-	


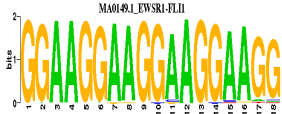
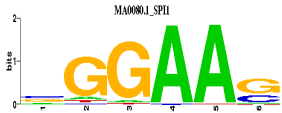







**M56**



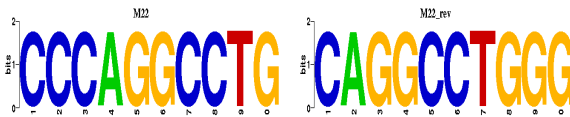
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.4192e-10	CCCCTTCCCC CCCCNCCCCC-	
MA0366.1_RGM1	1.0406e-05	CCCCTTCCCC CCCCT-----	
MA0342.1_MSNA	1.0929e-05	GGGGGAAGGGG -----AGGGG	
MA0341.1_MSNA	2.6803e-05	GGGGGAAGGGG -----AGGGG	
MA0065.2_PPARG_RXRA	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	

**M68**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0120.1_id1	4.7551e-05	-GGAAGGGAM-- CGNNANNRRMNA	
MA0149.1_EWSR1-FLI1	5.5570e-05	-----KTC CCTTCC CCTTCCTTCCTTCCTTCC	
MA0080.1_SPI1	9.1317e-05	KTC CCTTCC- ----STTCN	
MA0305.1_GCR2	3.8743e-04	KTC CCTTCC- ---GCTTCN	
MA0080.2_SPI1	4.1676e-04	KTC CCTTCC- ---ACTTCT	
MA0154.1_EBF1	5.4494e-04	KTC CCTTCC-- -TCCCTNGGN	
MA0026.1_Eip74EF	6.6418e-04	KTC CCTTCC-- ----YTTCCGG	
MA0039.1_Klf4	1.1674e-03	KTC CCTTCC---- ---CCTTYYTTN	
MA0304.1_GCR1	1.5878e-03	KTC CCTTCC- --GGCTTCCA	
MA0062.1_GABPA	1.7049e-03	KTC CCTTCC--- --SNCTTCCGGT	

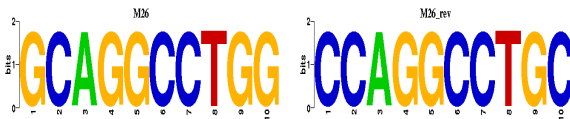
M22





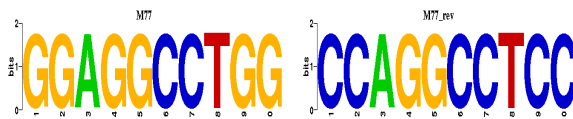
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0146.1_Zfx	6.4644e-07	CAGGCCTGGG---- NAGGCCNNGGCNNN	
MA0106.1_TP53	3.7830e-05	-----CCCAGGCCTG----- ACATGCCCGGGCATGTCCNN	
MA0344.1_NHP10	1.0450e-04	-CCCAGGCCTG TCCCCGGN---	
MA0162.1_Egr1	3.0829e-03	CAGGCCTGGG--- --NGCGTGGGCGK	
MA0003.1_TFAP2A	5.1242e-03	-CCCAGGCCTG SCNNNNGGC--	
MA0154.1_EBF1	5.8199e-03	CAGGCCTGGG-- --TCCCTNNGGN	
MA0116.1_Zfp423	7.3245e-03	-CAGGCCTGGG----- GNMMCCYTRGGKKS	
MA0112.2_ESR1	7.4300e-03	CAGGCCTGGG----- -RGGTCANNNTGACCTNNNNN	
MA0358.1_PUT3	1.0870e-02	GGCCTGGG-- --CCCGGGNN	
MA0155.1_INSM1	1.3198e-02	----CCCAGGCCTG YGCCCCCTGRCA--	

M26



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0146.1_Zfx	1.1659e-04	-----CCAGGCCTGC NNNGCCNNGGCTN-	
MA0106.1_TP53	3.1669e-03	GCAGGCCTGG----- ACATGCCCGGGCATGTCCNN	
MA0116.1_Zfp423	1.1496e-02	GCAGGCCTGG----- GNMMCCYTRGGKKSC	
MA0344.1_NHP10	1.1673e-02	--CCAGGCCTGC TCCCCGN-----	
MA0086.1_sna	1.4724e-02	GCAGGCCTGG ---CACCTG-	
MA0381.1_SKN7	1.5531e-02	GCAGGCCTGG -NYGCC---	
MA0340.1_MOT3	2.0691e-02	GCAGGCCTGG ---TRCTN-	
MA0144.1_Stat3	2.0904e-02	GCAGGCCTGG-- --CTTCNGGAA	
MA0450.1_hkb	2.4594e-02	CCAGGCCTGC -KGGCGTGA	
MA0090.1_TEAD1	2.5532e-02	-GCAGGCCTGG- CNSWGAATGTR	

M77



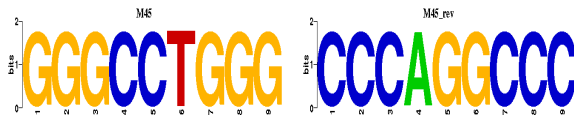




*forward*                      *reverse compliment*

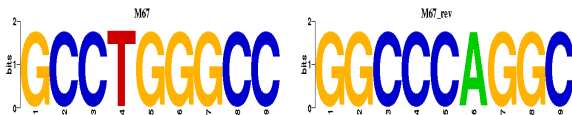
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.2296e-06	GGCGGGGGCCTGGGSCGGGGGGGG -----GGGGGNGGGG-----	
MA0344.1_NHP10	6.0805e-06	CCCCCCCCGSCCCAGGCCCCCGCC ---TCCCCGN-----	
MA0163.1_PLAG1	7.7238e-05	CCCCCCCCGSCCCAGGCCCCCGCC CCCCCTTNGGCCCC-----	
MA0399.1_SUT1	1.4445e-04	CCCCCCCCGSCCCAGGCCCCCGCC -----CCCCGCG	
MA0338.1_MIG2	1.9914e-04	GGCGGGGGCCTGGGSCGGGGGGGG NGYGGGG-----	
MA0456.1_opa	2.3573e-04	GGCGGGGGCCTGGGSCGGGGGGGG -----CNGCGGGGGGKC	
MA0162.1_Egr1	2.5371e-04	CCCCCCCCGSCCCAGGCCCCCGCC -----MCGCCCACGCN	
MA0339.1_MIG3	2.6791e-04	GGCGGGGGCCTGGGSCGGGGGGGG NGYGGGG-----	
MA0068.1_Pax4	3.3019e-04	-----CCCCCCCCGSCCCAGGCCCCCGCC RAAWAWWWNNMNNNNNNNNNNMNNNNNYMC	
MA0323.1_IXR1	4.9170e-04	CCCCCCCCGSCCCAGGCCCCCGCC ----CMCCGCTTCCGGYTT-----	

**M45**



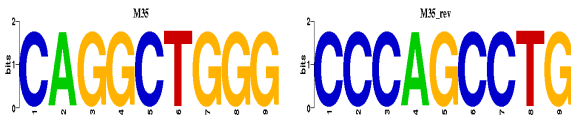
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0146.1_Zfx	3.9007e-05	-GGGCCTGGG---- NAGGCCNNGGCNNN	
MA0344.1_NHP10	4.6270e-05	-CCCAGGCC TCCCCGN--	
MA0079.2_SP1	9.8881e-05	-GGGCCTGGG GGGGNNGGG	
MA0450.1_hkb	2.2522e-04	CCCAGGCC- -TCACGCCCM	
MA0039.2_Klf4	3.2128e-04	CCCAGGCC- GCCMCRCNN	
MA0162.1_Egr1	1.1758e-03	GGGCCTGGG--- -NGCGTGGGCGK	
MA0163.1_PLAG1	2.2248e-03	---CCCAGGCC-- CCCCCTTNGGCCCC	
MA0003.1_TFAP2A	2.6155e-03	-CCCAGGCC SCNNNNGGC-	
MA0154.1_EBF1	2.6869e-03	GGGCCTGGG-- -TCCCTNNGGN	
MA0155.1_INSM1	5.6569e-03	----CCCAGGCC YGCCCCCTGRCA-	

**M67**



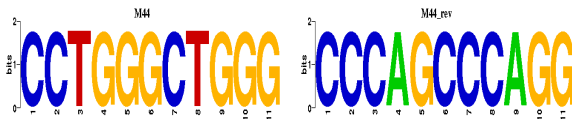
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0146.1_Zfx	1.1106e-06	--GGCCCAGGC--- NAGGCCNNGGCNNN	
MA0162.1_Egr1	6.8000e-06	-GGCCCAGGC- MCGCCCACGCN	
MA0344.1_NHP10	4.6270e-05	GGCCCAGGC -TCCCCGGN	
MA0163.1_PLAG1	7.2338e-05	---GCCTGGGCC--- CCCCCTTNGGCCCC	
MA0106.1_TP53	2.1929e-04	---GGCCCAGGC----- ACATGCCCGGGCATGTCCNN	
MA0003.1_TFAP2A	2.4834e-04	GCCTGGGCC SCNNNNGGC	
MA0368.1_RIM101	2.1210e-03	GCCTGGGCC --CTTGGR	
MA0154.1_EBF1	2.6869e-03	-GCCTGGGCC TCCCTNGGGN	
MA0155.1_INSM1	5.6569e-03	--GGCCCAGGC- YGCCCCCTGRCA	
MA0358.1_PUT3	6.5705e-03	-GCCTGGGCC C-CCGGGN	

M35



	<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	

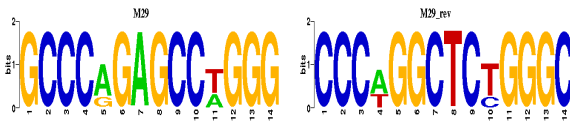
**M44**

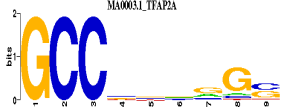




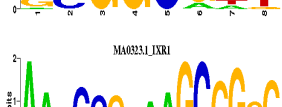








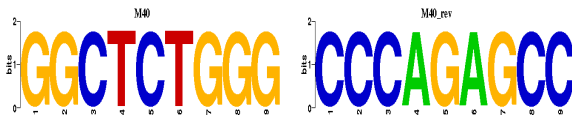
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	9.5401e-05	CCTGGGCTGGG -GGGGNGGGG	
MA0267.1_ACE2	1.0967e-03	CCTGGGCTGGG ----NGCTGGN	
MA0039.2_Klf4	1.2752e-03	-CCCAGCCCAGG GCCMCRCCCN--	
MA0079.1_SP1	1.3347e-03	-CCCAGCCCAGG ACCCNGCCNN--	
MA0320.1_IME1	2.3290e-03	CCTGGGCTGGG -CTCGGCGG--	
MA0145.1_Tcfcp2l1	2.7167e-03	----CCTGGGCTGGG CYGGNTNNRNCYGG-	
MA0162.1_Egr1	2.9225e-03	CCCAGCCCAGG-- --MCGCCACGCN	
MA0402.1_SWI5	3.6020e-03	-CCCAGCCCAGG NACCAGCA----	
MA0276.1_ASH1	3.8774e-03	CCTGGGCTGGG CCYGATNYGG-	
MA0368.1_RIM101	5.0778e-03	CCTGGGCTGGG -CTTGCR---	




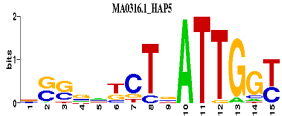
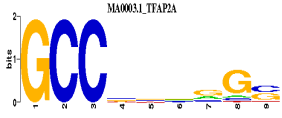

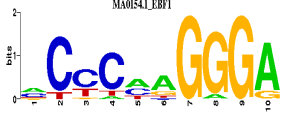

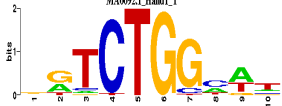
M29



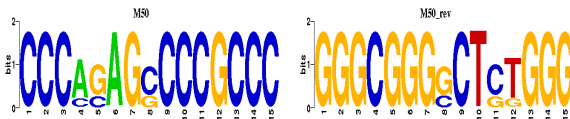
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0003.1_TFAP2A	1.4442e-03	GCCAGAGCCTGGG SCNNNNGGC-----	
MA0344.1_NHP10	1.6347e-03	-CCCAGGCTCTGGGC TCCCCGGN-----	
MA0332.1_MET28	2.4427e-03	CCCAGGCTCTGGGC -----CTGTGG--	
MA0368.1_RIM101	1.3847e-02	CCCAGGCTCTGGGC- -----CTTGGCR	
MA0213.1_brk	1.5767e-02	CCCAGGCTCTGGGC --SYGGCGCY----	
MA0323.1_IXR1	1.5827e-02	CCCAGGCTCTGGGC- CMCCGCTTCCGGYTT	
MA0155.1_INSM1	1.9858e-02	----CCCAGGCTCTGGGC YGCCCCCTGRCA-----	
MA0362.1_RDS2	2.0287e-02	CCCAGGCTCTGGGC -----NTCGGGG-	
MA0271.1_ARG80	2.9871e-02	CCCAGGCTCTGGGC ---WGACNC-----	
MA0451.1_kni	3.1124e-02	-GCCAGAGCCTGGG AAANTAGAGCAN---	

**M40**



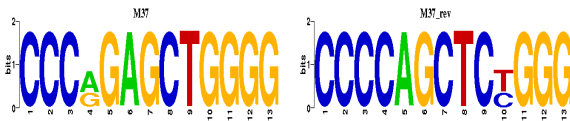
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	3.2861e-04	CCCAGAGCC -CCACAG--	
MA0451.1_kni	1.4422e-03	--CCCAGAGCC-- AAANTAGAGCAN	
MA0278.1_BAS1	1.6687e-03	-----CCCAGAGCC----- NNNNRGCCNGAGTCARNWNNN	
MA0362.1_RDS2	2.3363e-03	GGCTCTGGG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

**M50**



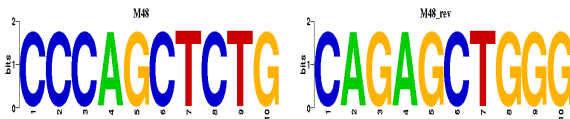
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	5.3394e-08	CCCAGAGCCCCGCC- -----GCCMCRCCCN	
MA0079.2_SP1	1.5397e-06	CCCAGAGCCCCGCC-- -----CCCCNCCCCC	
MA0399.1_SUT1	7.6501e-05	CCCAGAGCCCCGCC -----CCCCGCG-	
MA0338.1_MIG2	8.9007e-05	GGGCGGGGCTCTGGG -NGYGGG-----	
MA0339.1_MIG3	1.2343e-04	GGGCGGGGCTCTGGG -NGYGGG-----	
MA0079.1_SP1	2.7915e-04	-GGGCGGGGCTCTGGG NNGGCNGGGT-----	
MA0332.1_MET28	3.0833e-04	CCCAGAGCCCCGCC -CCACAG-----	
MA0410.1_UGA3	3.1277e-04	CCCAGAGCCCCGCC -----TCCCGCCN	
MA0283.1_CHA4	3.2616e-04	CCCAGAGCCCCGCC -----NCTCCGCC-	
MA0337.1_MIG1	4.0514e-04	GGGCGGGGCTCTGGG --SYGGGN-----	

M37



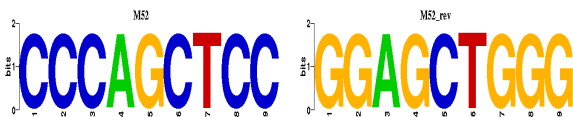
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0276.1_ASH1	4.4857e-05	CCCRGAGCTGGGG -CCRNATCRGG--	
MA0323.1_IXR1	2.5089e-04	CCCCAGCTCYGGG--- -CMCCGCTTCCGGYTT	
MA0344.1_NHP10	4.4465e-04	CCCRGAGCTGGGG- -----NCCGGGGA	
MA0335.1_MET4	5.6744e-04	CCCCAGCTCYGGG CCACAGNT-----	
MA0048.1_NHLH1	1.0411e-03	CCCCAGCTCYGGG NCGCAGCTGCGN-	
MA0332.1_MET28	1.4123e-03	CCCCAGCTCYGGG CCACAG-----	
MA0456.1_opa	1.6107e-03	CCCRGAGCTGGGG--- ----CNGCGGGGGGKC	
MA0267.1_ACE2	2.0422e-03	CCCRGAGCTGGGG -----NGCTGGN-	
MA0268.1_ADR1	2.3863e-03	CCCRGAGCTGGGG- -----KTGGGGN	
MA0083.1_SRF	2.4194e-03	CCCRGAGCTGGGG -CCATATATGGGC	

M48



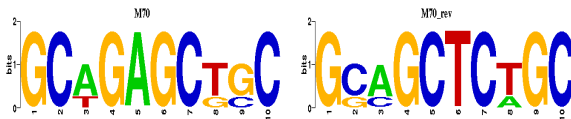
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0267.1_ACE2	6.9099e-04	CAGAGCTGGG ---NGCTGGN	
MA0048.1_NHLH1	1.7298e-03	-CCCAGCTCTG- NCGCAGCTGCGN	
MA0456.1_opa	1.9569e-03	CAGAGCTGGG-- CNGCGGGGGGKC	
MA0402.1_SWI5	2.2346e-03	-CCCAGCTCTG NACCAGCA---	
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	


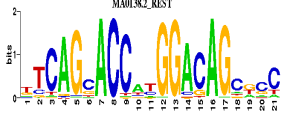
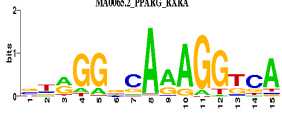







**M52**



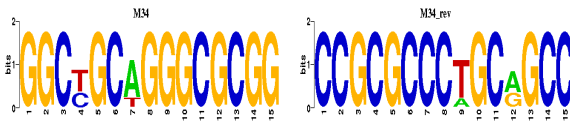
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0048.1_NHLH1	4.5251e-05	-CCCAGCTCC-- NCGCAGCTGCGN	
MA0079.2_SP1	5.0528e-05	-GGAGCTGGG GGGGGNGGGG	
MA0323.1_IXR1	9.3040e-05	CCCAGCTCC----- CMCCGCTTCCGGYTT	
MA0267.1_ACE2	3.9729e-04	GGAGCTGGG --NGCTGGN	
MA0145.1_Tcfcp2l1	7.0301e-04	-----GGAGCTGGG CYGGNTNNRNCYGG-	
MA0138.2_REST	9.5933e-04	GGAGCTGGG----- GNNGCTGTCCNNGGTGCTGAN	
MA0402.1_SWI5	1.2050e-03	-CCCAGCTCC NACCAGCA--	
MA0055.1_Myf	3.2603e-03	-CCCAGCTCC-- CAGCAGYTGCYK	
MA0456.1_opa	3.4401e-03	GGAGCTGGG---- -CNGCGGGGGGKC	
MA0338.1_MIG2	6.0618e-03	GGAGCTGGG --NGYGGG	

**M70**


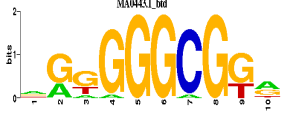

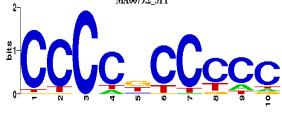
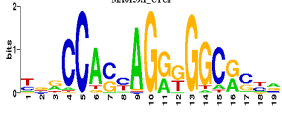
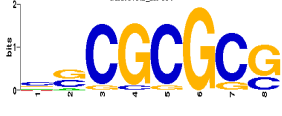






	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0048.1_NHLH1	1.2163e-03	GCAGAGCTGC-- NCGCAGCTGCGN	
MA0138.2_REST	5.4509e-03	-----GCAGAGCTGC NTCAGCACCNNGGACAGCNNC	
MA0065.2_PPARG_RXRA	8.8602e-03	GCAGCTCTGC----- TGMCCTTTGNCYNN	
MA0055.1_Myf	1.1636e-02	--GCAGCTCTGC MRGCARCTGCTG	
MA0335.1_MET4	2.1934e-02	GCAGAGCTGC CCACAGNT--	
MA0389.1_SRD1	2.6355e-02	GCAGAGCTGC NNAGATCT--	
MA0283.1_CHA4	2.8114e-02	-GCAGAGCTGC GGCGGAGN---	
MA0053.1_MNB1A	3.4086e-02	GCAGCTCTGC ---NCTTT--	
MA0150.1_NFE2L2	3.6851e-02	GCAGCTCTGC- RTGACWNAGCA	
MA0287.1_CUP2	3.8742e-02	GCAGCTCTGC-- -CWTTTTGTCTG	

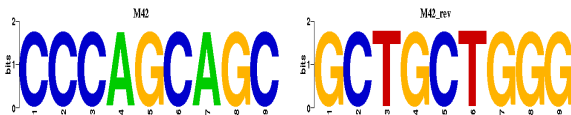
M34





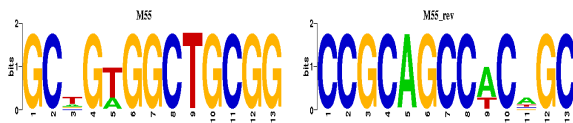
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0155.1_INSM1	2.5429e-04	GGCYGCAGGGCGCGG --TGYCAGGGGGCR--	
MA0443.1_btd	7.9867e-04	-CCGCGCCCTGCRGCC YCCGCCMCN-----	
MA0323.1_IXR1	1.0301e-03	--CCGCGCCCTGCRGCC CMCCGCTTCCGGYTT--	
MA0079.2_SP1	1.0720e-03	GGCYGCAGGGCGCGG -----GGGGGNGGGG	
MA0139.1_CTCF	1.4042e-03	--CCGCGCCCTGCRGCC-- NNSYGCCMCCTRSTGGNNR	
MA0375.1_RSC30	1.5768e-03	GGCYGCAGGGCGCGG-- -----CGCGCGSN	
MA0039.2_Klf4	3.7012e-03	-CCGCGCCCTGCRGCC GCCMCRCNN-----	
MA0364.1_REI1	3.7813e-03	GGCYGCAGGGCGCGG ----NCAGGGG----	
MA0374.1_RSC3	3.9905e-03	GGCYGCAGGGCGCGG -----NNNCGCG--	
MA0399.1_SUT1	5.2197e-03	--CCGCGCCCTGCRGCC CCCCGCG-----	

M42



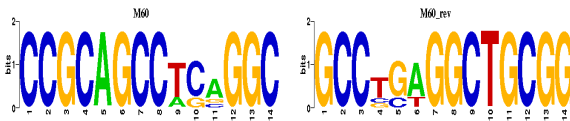
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0402.1_SWI5	4.6207e-06	-CCCAGCAGC NACCAGCA--	
MA0048.1_NHLH1	4.3207e-05	-CCCAGCAGC-- NCGCAGCTGCGN	
MA0454.1_odd	9.4144e-05	--GCTGCTGGG NTGCTACTGTN	
MA0055.1_Myf	1.1732e-04	CCCAGCAGC----- --CAGCAGYTGCTG	
MA0267.1_ACE2	3.9729e-04	GCTGCTGGG --NGCTGGN	
MA0139.1_CTCF	1.6007e-03	--CCCAGCAGC----- YNNCCASYAGGKGGCRSNN	
MA0150.1_NFE2L2	2.2182e-03	----CCCAGCAGC RTGACWNAGCA--	
MA0287.1_CUP2	3.1341e-03	CCCAGCAGC----- --CAGCARAAAWG	
MA0088.1_znf143	4.6094e-03	-----GCTGCTGGG----- KCNNKGMANNMTGGGANNNN	
MA0338.1_MIG2	6.0618e-03	GCTGCTGGG --NGYGGG	

M55



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	2.4075e-07	CCGCAGCCACNGC -----CCACAG--	
MA0334.1_MET32	1.1047e-05	GCNGTGGCTGCGG --TGTGGCN-----	
MA0335.1_MET4	1.2879e-04	CCGCAGCCACNGC-- -----CCACAGNT	
MA0002.2_RUNX1	3.1975e-04	CCGCAGCCACNGC-- ---NAACCACARNN	
MA0055.1_Myf	1.7134e-03	CCGCAGCCACNGC-- ---MRGCARCTGCTG	
MA0285.1_CRZ1	2.8303e-03	GCNGTGGCTGCGG ---GNGGCTNNN--	
MA0150.1_NFE2L2	3.1997e-03	-GCNGTGGCTGCGG TGCTNWTGTCAY---	
MA0373.1_RPN4	3.2726e-03	CCGCAGCCACNGC ----CGCCACC--	
MA0048.1_NHLH1	5.4021e-03	GCNGTGGCTGCGG -NCGCAGCTGCGN	
MA0039.2_Klf4	8.6614e-03	CCGCAGCCACNGC-- -----GCCMCRCCN	

**M60**

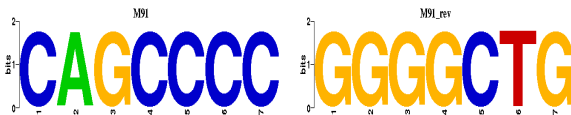


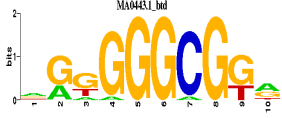
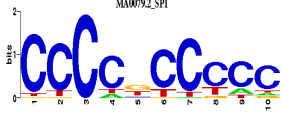
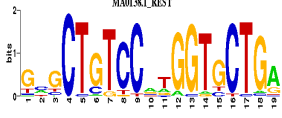
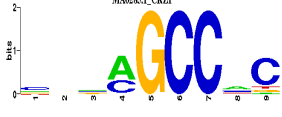
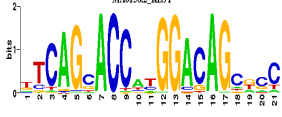





*forward*

*reverse compliment*

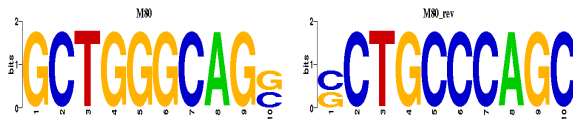
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0003.1_TFAP2A	1.1613e-04	CCGCAGCCTCAGGC -----SCNNNNGGC	
MA0332.1_MET28	4.9807e-04	CCGCAGCCTCAGGC -----CCACAG--	
MA0290.1_DAL81	2.4264e-03	CCGCAGCCTCAGGC----- -AAAAGCCGCGGGCGGGATT	
MA0334.1_MET32	3.6651e-03	GCCTGAGGCTGCGG ---TGTGGCN----	
MA0048.1_NHLH1	7.2176e-03	GCCTGAGGCTGCGG --NCGCAGCTGCGN	
MA0146.1_Zfx	9.5806e-03	GCCTGAGGCTGCGG---- ----NAGGCCNNGCENN	
MA0323.1_IXR1	1.1304e-02	CCGCAGCCTCAGGC-- -CMCCGCTTCCGGYTT	
MA0099.2_AP1	1.2568e-02	GCCTGAGGCTGCGG ---TGAGTCA----	
MA0335.1_MET4	1.7743e-02	CCGCAGCCTCAGGC -----CCACAGNT	
MA0276.1_ASH1	2.1195e-02	GCCTGAGGCTGCGG -CCYGATNYGG----	






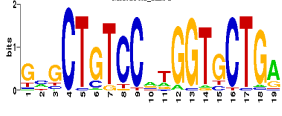
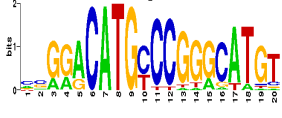

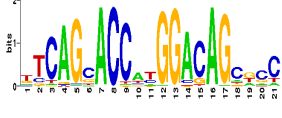

**M91**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0443.1_btd	5.3882e-05	--GGGGCTG-- NGKGGGCGGR	
MA0079.2_SP1	1.1572e-04	-GGGGCTG-- GGGGGNGGGG	
MA0138.1_REST	1.9761e-04	-----GGGGCTG-- GNGCTGTCCNWWGGTGCTGA	
MA0285.1_CRZ1	2.7031e-04	GGGGCTG-- GNGGCTNNN	
MA0138.2_REST	2.9900e-04	-----GGGGCTG-- GNNGCTGTCCNNGGTGCTGAN	
MA0341.1_MSN2	1.0042e-03	-GGGGCTG AGGGG---	
MA0342.1_MSN4	1.0045e-03	-GGGGCTG AGGGG---	
MA0366.1_RGM1	1.0774e-03	CAGCCCC-- ---CCCCT	
MA0123.1_abi4	1.2947e-03	-GGGGCTG-- NGNNGCRSCG	
MA0450.1_hkb	1.3215e-03	--CAGCCCC TCACGCCCM	








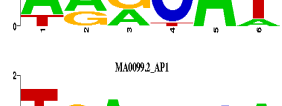

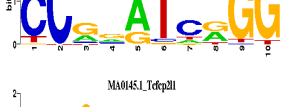
M80



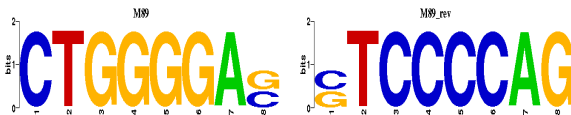
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	6.6763e-04	GCTGGGCAGS NCCGGGGA--	
MA0267.1_ACE2	6.9099e-04	-GCTGGGCAGS NGCTGGN----	
MA0320.1_IME1	1.4124e-03	GCTGGGCAGS -CTCGGCGG-	
MA0402.1_SWI5	2.2346e-03	SCTGCCCAGC- ---NACCAGCA	
MA0368.1_RIM101	3.4116e-03	GCTGGGCAGS -CTTGGR--	
MA0138.1_REST	4.9757e-03	-----GCTGGGCAGS-- TCAGCACCCWGGACAGCNC	
MA0106.1_TP53	8.2598e-03	-SCTGCCCAGC----- ACATGCCCGGGCATGTCCNN	
MA0338.1_MIG2	9.2422e-03	-GCTGGGCAGS NGYGGGG----	
MA0138.2_REST	9.2650e-03	---SCTGCCCAGC----- GNNGCTGTCCNNGGTGCTGAN	
MA0123.1_abi4	9.4360e-03	GCTGGGCAGS- -NGNNGCRSCG	

M92



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0326.1_MAC1	5.7910e-06	-CTGCTCAG TTTGCTCR-	
MA0150.1_NFE2L2	2.2711e-03	----CTGAGCAG RTGACWNAGCA-	
MA0451.1_kni	1.0253e-02	CTGCTCAG---- NIGCTCTANTTT	
MA0446.1_fkh	1.2090e-02	---CTGCTCAG TGTTRNNYAN	
MA0454.1_odd	2.5019e-02	CTGCTCAG--- NTGCTACTGTN	
MA0332.1_MET28	2.5950e-02	CTGCTCAG --CCACAG	
MA0417.1_YAP5	2.8133e-02	CTGAGCAG --AAGCAT	
MA0099.2_API	3.1512e-02	CTGAGCAG -TGAGTCA	
MA0276.1_ASH1	3.8076e-02	-CTGAGCAG- CCRNATCRGG	
MA0145.1_Tefcp211	3.8541e-02	----CTGAGCAG- CYGGNTNNRNCYGG	

M89



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	1.2960e-05	STCCCCAG-- -TCCCCGGN	
MA0056.1_MZF1_1-4	1.9384e-05	STCCCCAG -TCCCCN-	
MA0140.1_Tal1_Gata1	1.0627e-04	-----STCCCCAG---- NTTATCTNNNNNNNNNCNN	
MA0332.1_MET28	1.6557e-04	STCCCCAG --CCACAG	
MA0268.1_ADR1	2.1007e-04	CTGGGGAS KTGGGGN-	
MA0436.1_YPR022C	2.1708e-04	-CTGGGGAS NGTGGGG--	
MA0154.1_EBF1	8.7127e-04	---CTGGGGAS TCCCTNNGGN-	
MA0337.1_MIG1	1.0349e-03	CTGGGGAS SYGGGGN-	
MA0364.1_REI1	1.0732e-03	-CTGGGGAS NCAGGGG--	
MA0018.1_CREB1	1.5103e-03	---STCCCCAG-- NACGTCANCMNN	

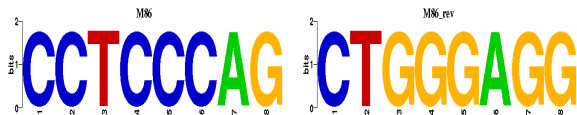
M49

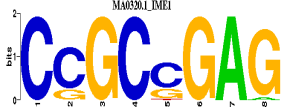
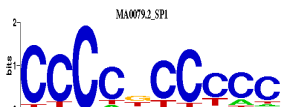
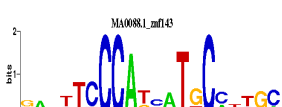





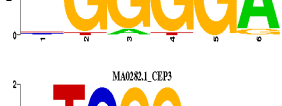





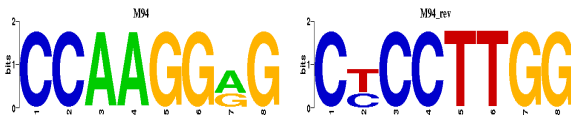
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0144.1_Stat3	2.8700e-05	-CTCCTGGGAG CTCCNGGAA-	
MA0344.1_NHP10	4.5145e-04	CTCCAGGAG -TCCCCGGN-	
MA0154.1_EBF1	1.0226e-03	CTCCAGGAG- -TCCCTNGGGN	
MA0088.1_znf143	1.7396e-03	-----CTCCTGGGAG--- KCNNKGMANNMTGGGANNNN	
MA0086.1_sna	1.8301e-03	CTCCTGGGAG CACCTG----	
MA0353.1_PDR3	2.1274e-03	CTCCTGGGAG -TCCGCGGA-	
MA0402.1_SWI5	2.3362e-03	CTCCAGGAG -NACCAGCA-	
MA0358.1_PUT3	2.8141e-03	CTCCTGGGAG --CCCGGGNN	
MA0137.2_STAT1	2.8160e-03	--CTCCAGGAG--- NNNTTCCNGGAARNN	
MA0156.1_FEV	8.8048e-03	--CTCCTGGGAG AYTTCTG----	







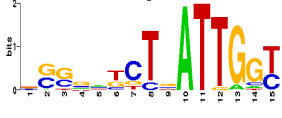
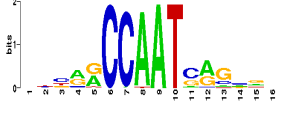


M86



	<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	

M94



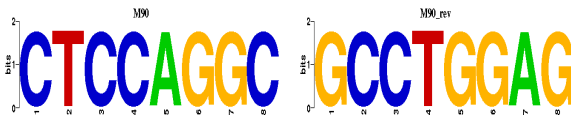
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0163.1_PLAG1	1.0998e-07	-CYCCTTGG----- CCCCCTTNGGCCCC	
MA0154.1_EBF1	3.4849e-05	CYCCTTGG-- TCCCTNGGGN	
MA0368.1_RIM101	1.6619e-04	CYCCTTGG-- ---CTTGCR	
MA0366.1_RGM1	3.0089e-04	CYCCTTGG CCCCT---	
MA0342.1_MSN4	3.1331e-04	CCAAGGRG ---AGGGG	
MA0314.1_HAP3	5.2331e-04	-CYCCTTGG----- TCTSATTGGYNNRN	
MA0316.1_HAP5	5.7448e-04	-CCAAGGRG----- ACCAATNAGMNSSN	
MA0060.1_NFYA	6.0768e-04	---CYCCTTGG----- NNNCYSATTGGYNNN	
MA0341.1_MSN2	6.5409e-04	CCAAGGRG ---AGGGG	
MA0370.1_RME1	7.6954e-04	CYCCTTGG-- TNCCTTNA	

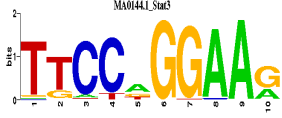
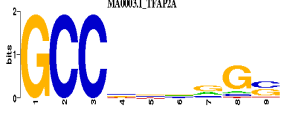
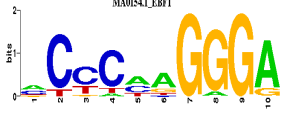
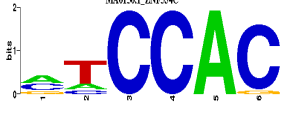


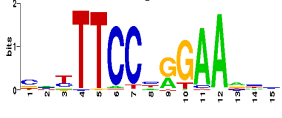


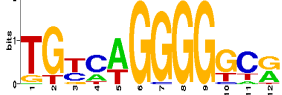
M87



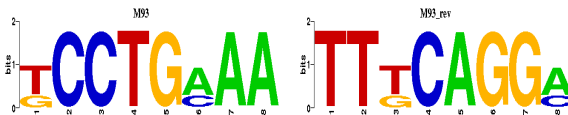
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	8.4925e-04	CTGGAGGA-- --ASMGGAA	
MA0130.1_ZNF354C	8.7226e-04	CTGGAGGA GTGGAK--	
MA0090.1_TEAD1	1.0744e-03	-----TCCTCCAG YACATTCWSNG-	
MA0451.1_kni	1.1493e-03	-TCCTCCAG--- NTGCTCTANTTT	
MA0062.1_GABPA	1.6848e-03	-TCCTCCAG- SNCTTCCGGT	
MA0152.1_NFATC2	4.6643e-03	CTGGAGGA -TGGAAAA	
MA0144.1_Stat3	5.1114e-03	----CTGGAGGA CTTCNGGAA--	
MA0283.1_CHA4	5.2221e-03	CTGGAGGA-- --GGCGGAGN	
MA0304.1_GCR1	5.7110e-03	-TCCTCCAG GGTTCCA-	
MA0247.1_tin	6.5629e-03	--CTGGAGGA CACTTGAR--	

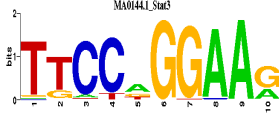

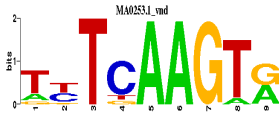
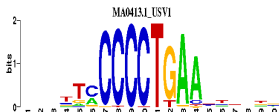






M90



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0144.1_Stat3	3.0592e-05	--GCCTGGAG CTTCCNGGAA	
MA0003.1_TFAP2A	3.0388e-04	-CTCCAGGC SCNNNNGGC	
MA0154.1_EBF1	4.0844e-04	-GCCTGGAG- TCCCTNGGGN	
MA0130.1_ZNF354C	8.7226e-04	GCCTGGAG --GTGGAK	
MA0323.1_IXR1	1.7885e-03	-----CTCCAGGC-- CMCCGCTTCCGGYTT	
MA0344.1_NHP10	3.3990e-03	CTCCAGGC TCCCCGN	
MA0137.2_STAT1	5.9149e-03	----GCCTGGAG--- NNYTCCNGGAANN	
MA0086.1_sna	6.4886e-03	-GCCTGGAG CACCTG---	
MA0247.1_tin	6.5629e-03	GCCTGGAG CACTTGAR	
MA0155.1_INSM1	6.9152e-03	---CTCCAGGC- YGCCCCCTGRCA	

M93



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0144.1_Stat3	2.6492e-06	TTTCAGGA-- TTCNGGAAG	
MA0393.1_STE12	3.6751e-04	--TTTCAGGA YGTTTCA---	
MA0253.1_vnd	6.5913e-04	TTTCAGGA- TYTCAAGTR	
MA0413.1_USV1	7.0120e-04	-----TTTCAGGA----- NNNNNNTTCAGGGGKANNNN	
MA0028.1_ELK1	1.0659e-03	TTTCAGGA-- YTTCGGNNN	
MA0274.1_ARR1	1.3053e-03	TTTCAGGA ATTCARNT	
MA0156.1_FEV	1.3582e-03	---TCCTGAAA AYTTCCTG---	
MA0155.1_INSM1	1.4854e-03	----TCCTGAAA YGCCCCCTGRCA	
MA0137.2_STAT1	1.5124e-03	---TTTCAGGA---- NNNTTCNGGAARNN	
MA0026.1_Eip74EF	1.5521e-03	TTTCAGGA YTTCGG-	

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