



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

Input file: 79 motifs loaded

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

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

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

[Download results as a PDF](#)

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Multiple Alignment

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

```

M0 : -----AAAGAAAAAAAAAAAAAAAA
M1 : -----TTTTTAAAAA-----
M2 : -----TTAAAAAAAAAAAA-----
M3 : -----AAAAGGAAAG-----
M4 : -----GGGGGAGGGGGGGGG-----
M5 : -----GGAAGGAAG-----
M6 : -----GGGGGAGGAGGRGG-----
M7 : -----GGGGGGGGGGCGGGGC-----
M8 : -----GGGCGGGC-----
M9 : -----GGGGAGGGGG-----
M10 : -----GCAGCAGCCGG-----
M11 : -----GGGAGGGAGGGGG-----
M12 : -----GGAGGAGGG-----
M13 : -----GGGAGGGAGGG-----
M14 : -----GMGGGAGGG-----
M15 : -----GGGGGGGGGTGGGG-----
M16 : -----GGGGAAGGG-----
M17 : -----GGAGGCAGAGG-----
M18 : -----GGGGGTGGGG-----
M19 : -----AGGAGAAAG-----
M20 : -----GGGGAGGMG-----
M21 : -----AGAGGAAGM-----
M22 : -----GGCGGCGGCGGCGGCG-----

```

Stamp Results

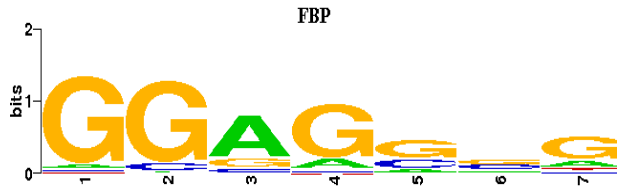
04/30/14

M23: -----GGGGGAGGGGAG-----
M24: GGGGGGGGGGCGGGGCCGGGGGGG-----
M25: -----GGCTGGAGG-----
M26: ----GGGCGGCGGCGGCGGCGGGGGCGG-----
M27: -----GGGGGAGCAGAG-----
M28: -----CAGGGCTGGG-----
M29: -----CCCNGCAGG-----
M30: -----AAGATGGCGGCG-----
M31: -----GCCYGGAGC-----
M32: -----GRGGGCAGG-----
M33: -----GAGGTGAGG-----
M34: -----GGGAAAGAG-----
M35: -----GGAGCCCAG-----
M36: -----GGGGCTGWG-----
M37: -----GMGGGGCGGGG-----
M38: -----GCSCAGGCGC-----
M39: -----GMAGGGAAG-----
M40: -----GGGGTGGGGA-----
M41: -----GAGCMGCC-----
M42: -----GGAGGAGCC-----
M43: -----GCCCCGAGC-----
M44: -----GGAGGCMGC-----
M45: -----CGCGGGGCC-----
M46: -----AGGAAAA-----
M47: -----GAGGAAG-----
M48: -----AGGAGAG-----
M49: -----GGAGAGA-----
M50: -----GGAGGCTG-----
M51: -----TCTGCNG-----
M52: -----GGAGCTG-----
M53: -----GGAGGAG-----
M54: -----GGAAGSGG-----
M55: -----CAGRGCCT-----
M56: -----GGCAGA-----
M57: -----GGGGAGG-----
M58: -----CTGGGAG-----
M59: -----GCTGGGG-----
M60: -----GCAGAGGC-----
M61: -----CTGGGGMG-----
M62: -----GGGAGCYG-----
M63: -----CAGGCTG-----
M64: -----GGCGGGMG-----
M65: -----GCTGGGGC-----

```

M66: -----GCCTGGGA-----
M67: -----GGCCTGG-----
M68: -----CAGSCAGC-----
M69: -----CCGGAAGY-----
M70: -----GGAGCCAG-----
M71: -----AGGCAGG-----
M72: -----CTGAGGAA-----
M73: -----GCCCAGAG-----
M74: -----TGAAGGAA-----
M75: -----SAGGGTGG-----
M76: -----AGAAGCC-----
M77: -----GGGACAGG-----
M78: -----CCAGAGGC-----
    
```

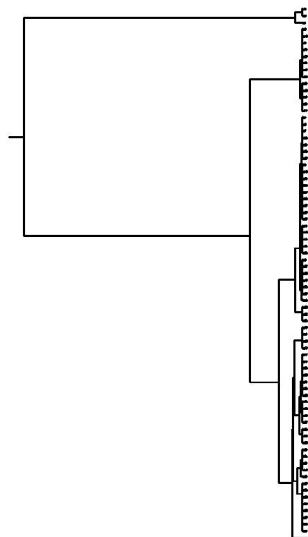
Familial Profile:
[\(click for matrix\)](#)



Motif Tree

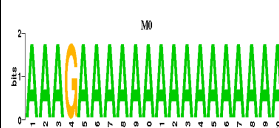

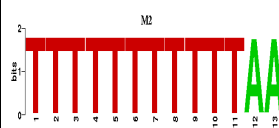



Tree (drawn by [Phylip](#))

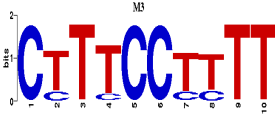


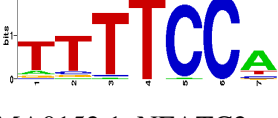

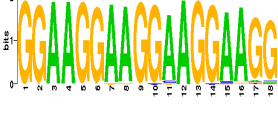

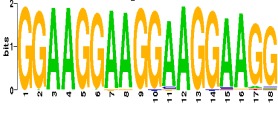

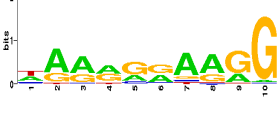
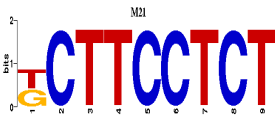

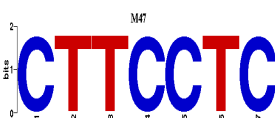


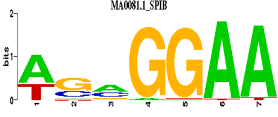
[Click here for Newick-format tree](#) (viewable with [MEGA](#))


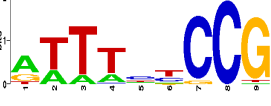



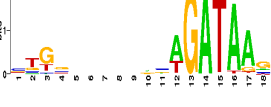





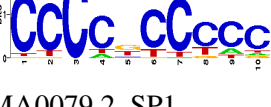

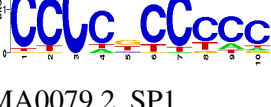

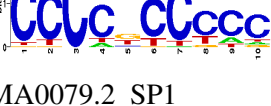


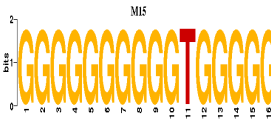
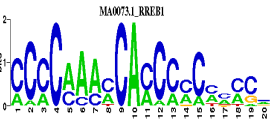
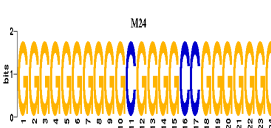
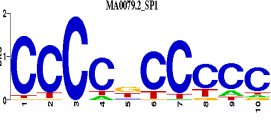
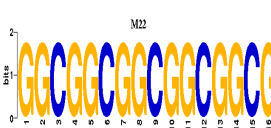
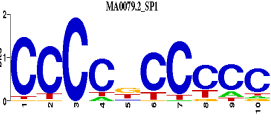
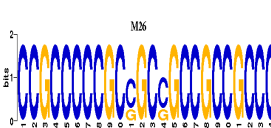
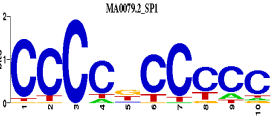

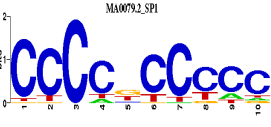
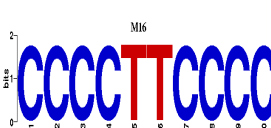
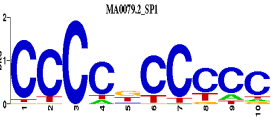



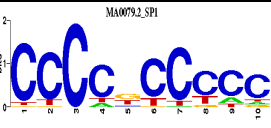
Input Motif

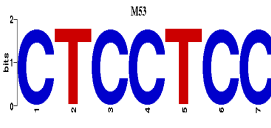


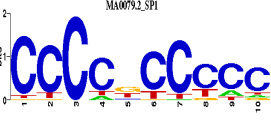

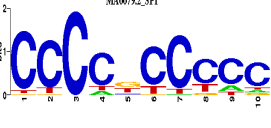
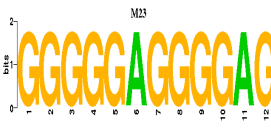
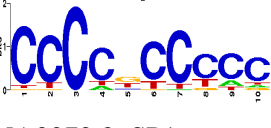
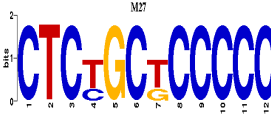
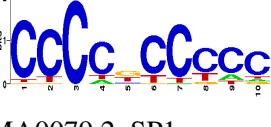
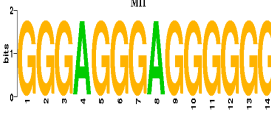
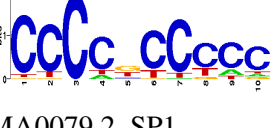
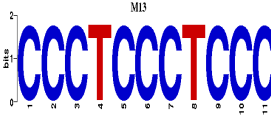
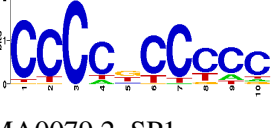

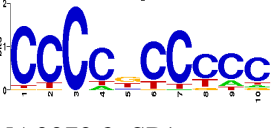
Best match in
JASPAR


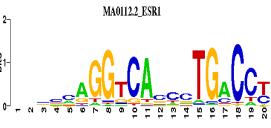
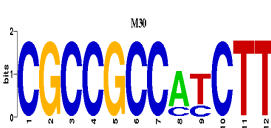


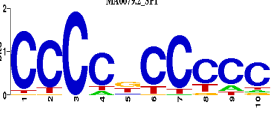
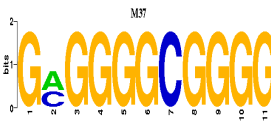
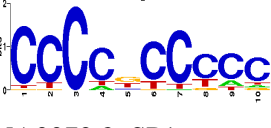

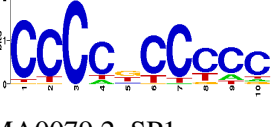



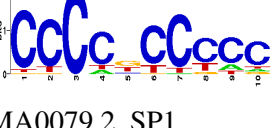

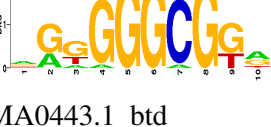
 <p>M0</p>	 <p>MA0277.1_AZF1 (E val: 3.1926e-07)</p>
 <p>M2</p>	 <p>MA0277.1_AZF1 (E val: 2.1388e-08)</p>
 <p>M1</p>	 <p>MA0151.1_ARID3A (E val: 2.1236e-04)</p>

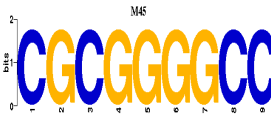

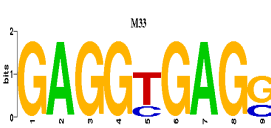
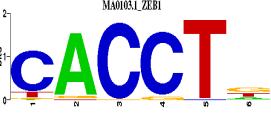

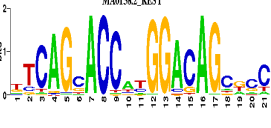



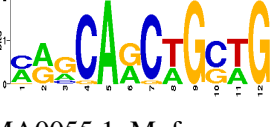
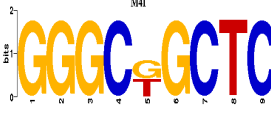





 <p>M3</p>	 <p>MA0277.1_AZF1 (E val: 1.0750e-10)</p>
 <p>M46</p>	 <p>MA0152.1_NFATC2 (E val: 2.5960e-08)</p>
 <p>M5</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 3.3529e-14)</p>
 <p>M74</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 1.5321e-06)</p>
 <p>M39</p>	 <p>MA0039.1_Klf4 (E val: 2.3142e-05)</p>
 <p>M21</p>	 <p>MA0081.1_SPIB (E val: 6.1560e-09)</p>
 <p>M47</p>	 <p>MA0080.2_SPI1 (E val: 3.1575e-08)</p>
 <p>M72</p>	 <p>MA0081.1_SPIB (E val: 1.0518e-07)</p>

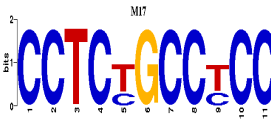
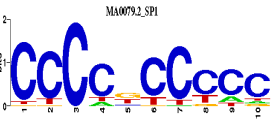

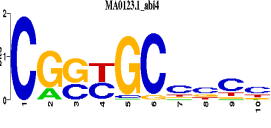











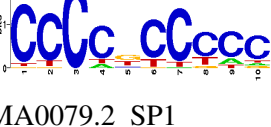
 <p>M19</p>	 <p>MA0437.1_YPR196W (E val: 3.0814e-06)</p>
 <p>M48</p>	 <p>MA0354.1_PDR8 (E val: 1.7061e-04)</p>
 <p>M49</p>	 <p>MA0140.1_Tal1_Gata1 (E val: 1.2092e-04)</p>
 <p>M34</p>	 <p>MA0111.1_Spz1 (E val: 6.7306e-05)</p>
 <p>M77</p>	 <p>MA0207.1_achi (E val: 2.1505e-05)</p>
 <p>M4</p>	 <p>MA0079.2_SP1 (E val: 1.0928e-12)</p>
 <p>M6</p>	 <p>MA0079.2_SP1 (E val: 9.4752e-09)</p>
 <p>M7</p>	 <p>MA0079.2_SP1 (E val: 3.1519e-13)</p>


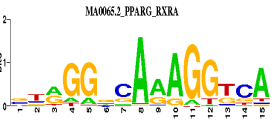

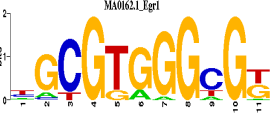





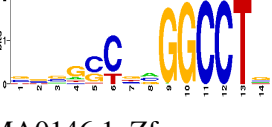






 <p>M15</p>	 <p>MA0073.1_RREB1 (E val: 2.6336e-12)</p>
 <p>M24</p>	 <p>MA0079.2_SP1 (E val: 1.6058e-12)</p>
 <p>M22</p>	 <p>MA0079.2_SP1 (E val: 5.9764e-05)</p>
 <p>M26</p>	 <p>MA0079.2_SP1 (E val: 3.1906e-07)</p>
 <p>M9</p>	 <p>MA0079.2_SP1 (E val: 1.1989e-11)</p>
 <p>M16</p>	 <p>MA0079.2_SP1 (E val: 3.5582e-11)</p>
 <p>M54</p>	 <p>MA0323.1_IXR1 (E val: 5.7776e-08)</p>
 <p>M12</p>	 <p>MA0079.2_SP1 (E val: 7.0945e-09)</p>

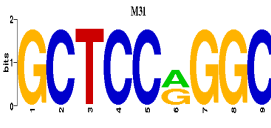
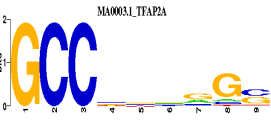
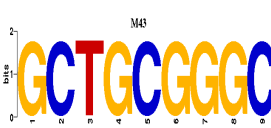
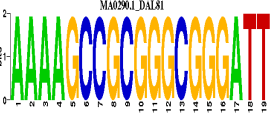


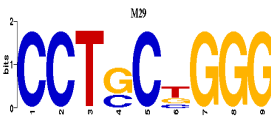






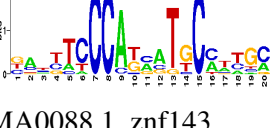


 <p>M53</p>	 <p>MA0283.1_CHA4 (E val: 6.1213e-06)</p>
 <p>M20</p>	 <p>MA0079.2_SP1 (E val: 3.1719e-07)</p>
 <p>M57</p>	 <p>MA0079.2_SP1 (E val: 7.9489e-08)</p>
 <p>M23</p>	 <p>MA0079.2_SP1 (E val: 4.0190e-14)</p>
 <p>M27</p>	 <p>MA0079.2_SP1 (E val: 1.2314e-07)</p>
 <p>M11</p>	 <p>MA0079.2_SP1 (E val: 1.3221e-08)</p>
 <p>M13</p>	 <p>MA0079.2_SP1 (E val: 1.1804e-06)</p>
 <p>M14</p>	 <p>MA0079.2_SP1 (E val: 3.2612e-09)</p>

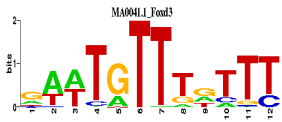




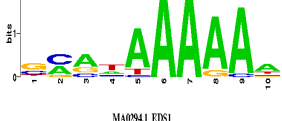

 <p>M75</p>	 <p>MA0112.2_ESR1 (E val: 2.0111e-05)</p>
 <p>M30</p>	 <p>MA0373.1_RPN4 (E val: 4.5228e-06)</p>
 <p>M8</p>	 <p>MA0079.2_SP1 (E val: 1.2318e-09)</p>
 <p>M37</p>	 <p>MA0079.2_SP1 (E val: 1.3240e-11)</p>
 <p>M18</p>	 <p>MA0079.2_SP1 (E val: 5.8601e-11)</p>
 <p>M40</p>	 <p>MA0039.2_Klf4 (E val: 9.0358e-08)</p>
 <p>M28</p>	 <p>MA0079.2_SP1 (E val: 7.3209e-05)</p>
 <p>M36</p>	 <p>MA0443.1_btd (E val: 1.3302e-04)</p>

 <p>M45</p>	 <p>MA0399.1_SUT1 (E val: 4.5213e-10)</p>
 <p>M33</p>	 <p>MA0103.1_ZEB1 (E val: 5.7596e-05)</p>
 <p>M52</p>	 <p>MA0138.2_REST (E val: 7.8083e-06)</p>
 <p>M62</p>	 <p>MA0304.1_GCR1 (E val: 6.5610e-05)</p>
 <p>M10</p>	 <p>MA0055.1_Myf (E val: 3.0564e-06)</p>
 <p>M41</p>	 <p>MA0412.1_UME6 (E val: 8.4603e-06)</p>
 <p>M42</p>	 <p>MA0283.1_CHA4 (E val: 5.0544e-04)</p>
 <p>M76</p>	 <p>MA0304.1_GCR1 (E val: 1.1508e-06)</p>

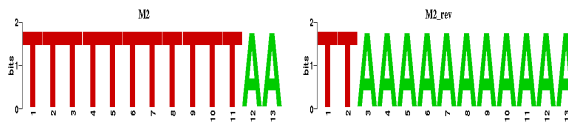
 <p>M17</p>	 <p>MA0079.2_SP1 (E val: 1.2039e-06)</p>
 <p>M44</p>	 <p>MA0123.1_abi4 (E val: 2.3641e-03)</p>
 <p>M70</p>	 <p>MA0213.1_brk (E val: 4.8232e-08)</p>
 <p>M68</p>	 <p>MA0340.1_MOT3 (E val: 3.5987e-04)</p>
 <p>M71</p>	 <p>MA0340.1_MOT3 (E val: 1.2242e-04)</p>
 <p>M50</p>	 <p>MA0412.1_UME6 (E val: 4.2425e-04)</p>
 <p>M63</p>	 <p>MA0112.2_ESR1 (E val: 7.9587e-05)</p>
 <p>M32</p>	 <p>MA0079.2_SP1 (E val: 2.5047e-07)</p>

<p>M56</p> 	<p>MA0065.2_PPARG_RXRA (E val: 7.2745e-06)</p> 
<p>M38</p> 	<p>MA0162.1_Egr1 (E val: 1.9830e-04)</p> 
<p>M67</p> 	<p>MA0450.1_hkb (E val: 5.9828e-05)</p> 
<p>M55</p> 	<p>MA0364.1_REI1 (E val: 1.8957e-03)</p> 
<p>M60</p> 	<p>MA0146.1_Zfx (E val: 2.5065e-05)</p> 
<p>M78</p> 	<p>MA0332.1_MET28 (E val: 1.6557e-04)</p> 
<p>M25</p> 	<p>MA0410.1_UGA3 (E val: 1.0711e-04)</p> 
<p>M64</p> 	<p>MA0410.1_UGA3 (E val: 7.6224e-08)</p> 

<p>M31</p>  <p>M31</p>	<p>MA0003.1_TFAP2A</p>  <p>MA0003.1_TFAP2A (E val: 5.1037e-07)</p>
<p>M43</p>  <p>M43</p>	<p>MA0290.1_DAL81</p>  <p>MA0290.1_DAL81 (E val: 1.1249e-07)</p>
<p>M69</p>  <p>M69</p>	<p>MA0076.1_ELK4</p>  <p>MA0076.1_ELK4 (E val: 3.4450e-13)</p>
<p>M29</p>  <p>M29</p>	<p>MA0402.1_SWI5</p>  <p>MA0402.1_SWI5 (E val: 2.6093e-05)</p>
<p>M35</p>  <p>M35</p>	<p>MA0163.1_PLAG1</p>  <p>MA0163.1_PLAG1 (E val: 6.9906e-05)</p>
<p>M73</p>  <p>M73</p>	<p>MA0332.1_MET28</p>  <p>MA0332.1_MET28 (E val: 1.6557e-04)</p>
<p>M58</p>  <p>M58</p>	<p>MA0088.1_znf143</p>  <p>MA0088.1_znf143 (E val: 6.7765e-04)</p>
<p>M66</p>  <p>M66</p>	<p>MA0344.1_NHP10</p>  <p>MA0344.1_NHP10 (E val: 7.2292e-09)</p>




MA0041.1_Foxd3	1.1651e-03	TTTTTTTTTTTTTTTTCTTT AWIGTTTNTTT-----	
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 -----WTWNTTACTA-	
MA0082.1_squamosa	2.3968e-03	-AAAGAAAAAAAAAAAAAAAA M--MCAWAWATRGAAN----	
MA0049.1_hb	3.1070e-03	-TTTTTTTTTTTTTTTTCTTT NTTTTTNYKS-----	
MA0294.1_EDS1	3.9328e-03	TTTTTTTTTTTTTTTTCTTT -----NTTNTCCN-	

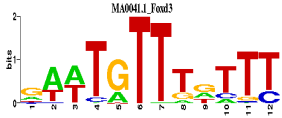
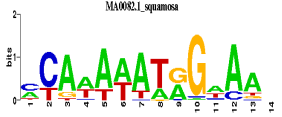
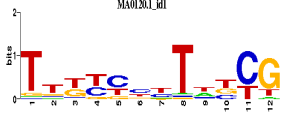
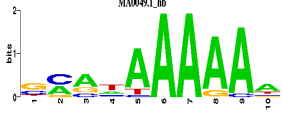

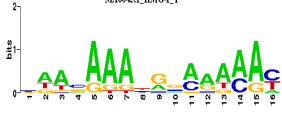

M2



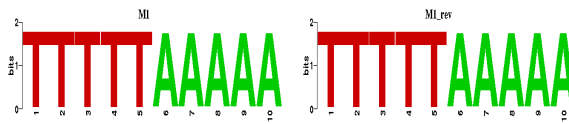
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	2.1388e-08	TTTTTTTTTTTAA TTTCTTTTT----	
MA0010.1_br_Z1	1.5214e-07	-TTTTTTTTTTTAA NWYTTGTYTATNAN	
MA0013.1_br_Z4	3.8459e-05	TTTTTTTTTTTAA -WTWNTTACTA-	


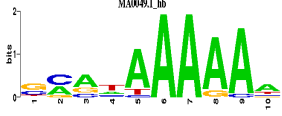
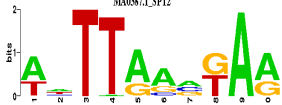
MA0041.1_Foxd3	8.1237e-05	-TTTTTTTTTTTAA NAWTGTTTNTTT--	
MA0082.1_squamosa	8.6297e-05	TTAAAAAAAAAAAA-- MCAWAWATRGNAAN	
MA0120.1_id1	1.1339e-04	TTAAAAAAAAAAAA-- -CGNNANNRRMNA	
MA0049.1_hb	5.0421e-04	-TTTTTTTTTTTAA NTTTTTNYKS----	
MA0151.1_ARID3A	6.0073e-04	TTTTTTTTTTTAA-- -----TTAAT	
MA0045.1_HMG-I_Y	8.1448e-04	-TTTTTTTTTTTAA-- RITTYKYNNTTNTNN	
MA0216.1_cad	1.1730e-03	TTAAAAAAAAAAAA-- -YAATAAA-----	


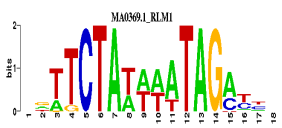




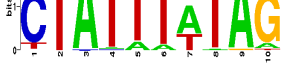
M1



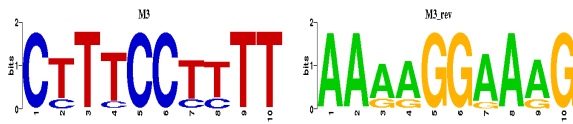
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0151.1_ARID3A	2.1236e-04	TTTTTAAAAA --TTAAT--	
MA0049.1_hb	3.6750e-04	-TTTTTAAAAA NTTTTTNYKS-	
MA0387.1_SPT2	2.5650e-03	-TTTTTAAAAA TTMNTTAANT-	


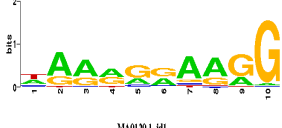
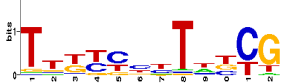
MA0218.1_ct	2.8959e-03	TTTTTAAAAA -GTTYAA---	
MA0369.1_RLM1	3.2108e-03	-----TTTTTAAAAA- NNRTCATWWATAGAANN	
MA0297.1_FKH2	3.4116e-03	TTTTTAAAAA TGTTTAC---	
MA0157.1_FOXO3	4.1935e-03	TTTTTAAAAA TGTTTACA--	
MA0173.1_CG11617	5.0433e-03	TTTTTAAAAA ATGTWAA---	
MA0346.1_NHP6B	6.0736e-03	-----TTTTTAAAAA-- NNNYNNWWTATAWNNNANN	
MA0052.1_MEF2A	6.6508e-03	TTTTTAAAAA--- ---CTATAAATAG	


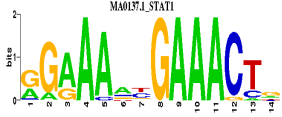


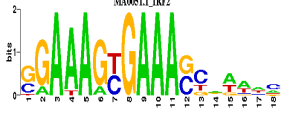
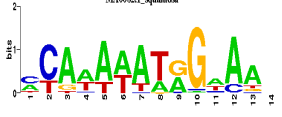

M3



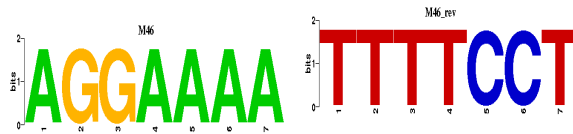
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	1.0750e-10	CTTTCCTTTT -TTTCTTTT	
MA0039.1_Klf4	1.1089e-08	CTTTCCTTTT CCTTYYYTTN	
MA0120.1_id1	1.9813e-07	CTTTCCTTTT-- TNKYNNNTNCG	

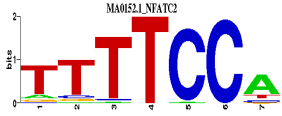

MA0370.1_RME1	1.5505e-06	CTTTCCTTTT-- --TNCCTTTNNA	
MA0137.1_STAT1	1.9270e-06	--CTTTCCTTTT-- NAGTTTCNNTTTCY	
MA0050.1_IRF1	3.0339e-05	-CTTTCCTTTT- GGTTTCRNTTTN	
MA0045.1_HMG-I_Y	5.5086e-05	--CTTTCCTTTT---- RITTYKKNYNTTNTNN	
MA0051.1_IRF2	5.6583e-05	-----CTTTCCTTTT-- NNWWRSTTTTCRCTTCS	
MA0082.1_squamosa	6.6444e-05	----AAAAGGAAAG MCAWAWATRGNAAN	
MA0156.1_FEV	6.7845e-05	CTTTCCTTTT AYTTCCTG--	









M46



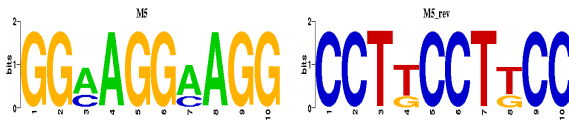
forward

reverse compliment

Name	E value	Alignment	Motif
MA0152.1_NFATC2	2.5960e-08	AGGAAAA TGAAAA	
MA0294.1_EDS1	1.2605e-06	--TTTTCCT NTTNTCCN	


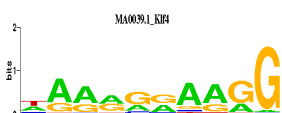
MA0156.1_FEV	2.9703e-06	TTTTCT- AYTTCCTG	
MA0120.1_id1	5.3896e-06	-----AGGAAAA CGNNANNRRMNA	
MA0022.1_dl_1	9.5122e-06	AGGAAAA----- NGGAAAAACCCS	
MA0460.1_ttk	1.4050e-05	-TTTTCT- RTTATCCTK	
MA0367.1_RGT1	2.1858e-05	-AGGAAAA--- NCGGANNAANN	
MA0023.1_dl_2	3.6285e-05	AGGAAAA----- -GGAAWCCCC	
MA0137.1_STAT1	4.8922e-05	-----TTTTCT NAGTTTCNNTTTCY-	
MA0080.2_SPI1	5.9899e-05	TTTTCT ACTTCT	



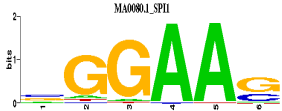

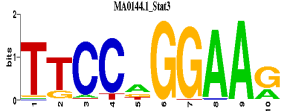


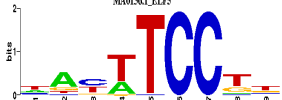
M5



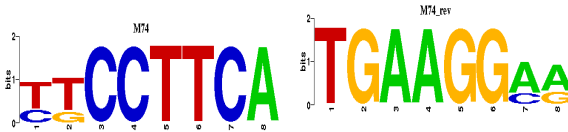
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	3.3529e-14	CCTTCCTTCC----- CCTTCCTTCCCTTCC	
MA0039.1_Klf4	2.3883e-06	GGAAGGAAG NAARRRAAGG	

MA0080.2_SPI1	2.5037e-06	CCTTCCTTCC ACTTCCT---	
MA0156.1_FEV	1.1116e-04	GGAAGGAAGG --CAGGAART	
MA0080.1_SPI1	2.3492e-04	CCTTCCTTCC -STTCN---	
MA0026.1_Eip74EF	3.6243e-04	CCTTCCTTCC -YTTCCGG--	
MA0144.1_Stat3	4.8220e-04	-GGAAGGAAGG TTCNGGAAG-	
MA0305.1_GCR2	9.9284e-04	GGAAGGAAGG ---NGGAAGC	
MA0370.1_RME1	1.0445e-03	--GGAAGGAAGG TNNAAGGNA--	
MA0136.1_ELF5	1.2470e-03	GGAAGGAAGG-- --NMGGAARTN	

M74



forward

reverse compliment

Name

E value

Alignment

Motif


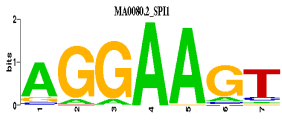
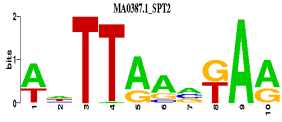
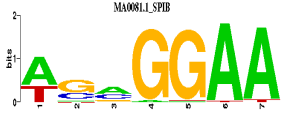
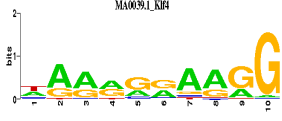



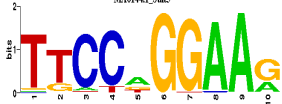
MA0149.1_EWSR1-FLI1 1.5321e-06

--TTCCTTCA-----
CCTTCCTTCTTCCTTCC

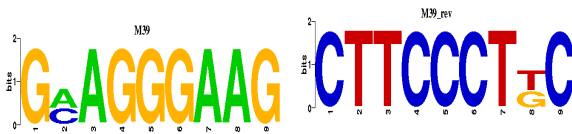


Stamp Results

04/30/14

MA0370.1_RME1	4.1579e-05	TTCCTTCA-- TNCCTTTNNA	
MA0080.2_SPI1	5.3700e-04	--TTCCTTCA ACTTCCT---	
MA0387.1_SPT2	1.3215e-03	TTCCTTCA-- TTMNTTAANT	
MA0081.1_SPIB	1.5240e-03	TTCCTTCA TTCKST-	
MA0039.1_Klf4	1.7127e-03	TGAAGGAA-- NAARRRAAGG	
MA0156.1_FEV	2.2846e-03	--TTCCTTCA AYTTCCTG--	
MA0311.1_HAL9	2.6221e-03	TTCCTTCA TTCCG---	
MA0277.1_AZF1	3.0972e-03	-TTCCTTCA TTTCTTTT	
MA0144.1_Stat3	3.5399e-03	-TGAAGGAA- TTCCNGGAAG	

M39



forward

reverse compliment

Name

E value

Alignment

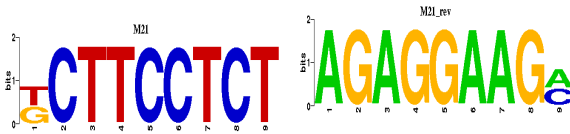
Motif

Stamp Results

04/30/14



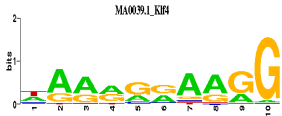

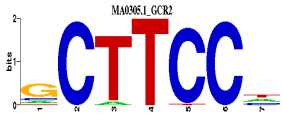
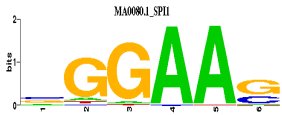


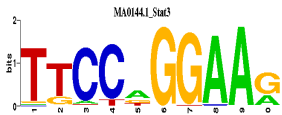

MA0039.1_Klf4	2.3142e-05	GMAGGGAAG- NAARRRAAGG	
MA0080.1_SPI1	9.1317e-05	CTTCCCTKC STTCN---	
MA0154.1_EBF1	1.4979e-04	CTTCCCTKC--- --TCCCTNGGGN	
MA0305.1_GCR2	3.8743e-04	-CTTCCCTKC GCTTCN---	
MA0080.2_SPI1	4.1676e-04	-CTTCCCTKC ACTTCT---	
MA0026.1_Eip74EF	6.6418e-04	CTTCCCTKC YTCCGG--	
MA0149.1_EWSR1-FLI1	9.5470e-04	----GMAGGGAAG---- GGAAGGAAGGAAGGAAGG	
MA0088.1_znf143	1.4094e-03	--CTTCCCTKC----- NNNNTCCCAKNNTKCMNNGM	
MA0304.1_GCR1	1.5878e-03	--CTTCCCTKC GGCTTCCA---	
MA0156.1_FEV	2.8115e-03	CTTCCCTKC AYTTCCTG-	

M21

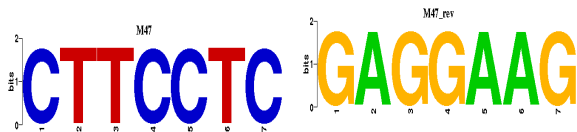


forward

reverse complement

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	6.1560e-09	KCTTCCTCT --TTCKST	
MA0080.2_SPI1	6.4951e-07	KCTTCCTCT ACTTCCT--	
MA0039.1_Klf4	2.2047e-05	-AGAGGAAGM NAARRRAAGG	
MA0304.1_GCR1	2.2718e-05	-KCTTCCTCT GGCTTCCA--	
MA0305.1_GCR2	3.4729e-05	KCTTCCTCT GCTTCN--	
MA0080.1_SPI1	9.1317e-05	KCTTCCTCT -STTCN--	
MA0062.1_GABPA	9.6170e-05	AGAGGAAGM- ACCGGAAGNS	
MA0156.1_FEV	1.6016e-04	KCTTCCTCT AYTTCCTG-	
MA0144.1_Stat3	2.1586e-04	KCTTCCTCT-- -CTTCCNGGAA	
MA0370.1_RME1	2.8011e-04	KCTTCCTCT--- --TNCCTTNA	

M47

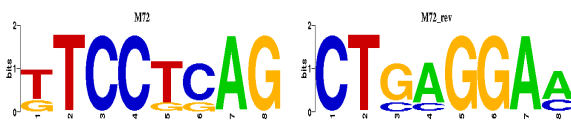


forward

reverse compliment

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

M72

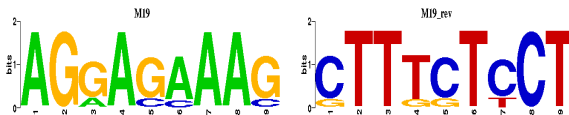


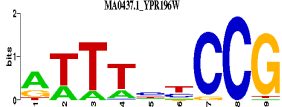

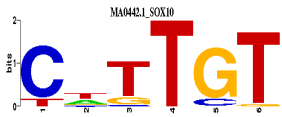


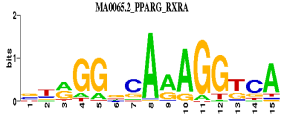




forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	1.0518e-07	TTCCTCAG TTCCKST-	
MA0326.1_MAC1	1.1543e-04	-TTCCTCAG TTTGCTCR-	
MA0090.1_TEAD1	2.9390e-04	CTGAGGAA---- CNSWGGAAATGTR	
MA0332.1_MET28	3.6556e-04	TTCCTCAG --CCACAG	
MA0080.2_SPI1	3.7754e-04	--TTCCTCAG ACTTCCT---	
MA0156.1_FEV	1.1326e-03	--TTCCTCAG AYTTCCTG--	
MA0243.1_sd	1.2958e-03	CTGAGGAA---- NYNNNRAATKWN	
MA0360.1_RDR1	2.6626e-03	-TTCCTCAG NTTCCGCN-	
MA0370.1_RME1	3.3204e-03	--CTGAGGAA TNNAAGGNA	
MA0099.2_API	3.8005e-03	CTGAGGAA -TGAGTCA	

M19



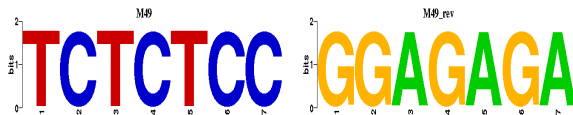
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0437.1_YPR196W	3.0814e-06	AGGAGAAAG CGGRNAAAT	
MA0115.1_NR1H2_RXRA	1.6168e-04	-----CTTTCTCCT-- STTGACCTTTGACCTTT	
MA0442.1_SOX10	3.3027e-04	AGGAGAAAG ---ACAANG	
MA0287.1_CUP2	3.6621e-04	-AGGAGAAAG- CAGCARAAAWG	
MA0401.1_SWI4	4.4795e-04	CTTTCTCCT -TTTCGCGT	
MA0065.2_PPARG_RXRA	4.6856e-04	----CTTTCTCCT-- TGMCCTTTGNCCYNN	
MA0460.1_ttk	4.8844e-04	CTTTCTCCT- -RTTATCCTK	
MA0277.1_AZF1	5.1565e-04	CTTTCTCCT- -TTTCTTTTT	
MA0294.1_EDS1	9.0929e-04	CTTTCTCCT NTNTTCN	
MA0432.1_YNR063W	1.1780e-03	CTTTCTCCT- --ATCTCCGA	

M48



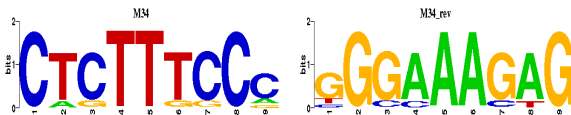
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0354.1_PDR8	1.7061e-04	CTCTCCT- ATCTCCGN	
MA0432.1_YNR063W	1.8051e-04	-AGGAGAG TCGGAGAT	
MA0205.1_Tr1	8.9097e-04	AGGAGAG--- NNGAGAGNNR	
MA0159.1_RXR_RAR_DR5	1.1956e-03	----CTCTCCT----- TGACCTNYNNNTGAMCY	
MA0312.1_HAP1	1.4319e-03	-CTCTCCT NAWNTCCG	
MA0348.1_OAF1	2.2098e-03	-CTCTCCT- NATCYCCGN	
MA0437.1_YPR196W	2.3186e-03	AGGAGAG-- CGGRNAAAT	
MA0422.1_YDR520C	3.5012e-03	--CTCTCCT- NTAWNTCCGN	
MA0460.1_ttk	3.7924e-03	-CTCTCCT- RTTATCCTK	
MA0428.1_YKL222C	6.2718e-03	CTCTCCT-- ATYTCCGTN	

M49



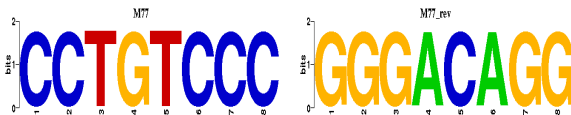
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0140.1_Tal1_Gata1	1.2092e-04	----TCTCTCC----- NTTATCTNNNNNNNNCNN	
MA0422.1_YDR520C	1.6346e-04	-TCTCTCC-- NTAWNTCCGN	
MA0354.1_PDR8	1.7061e-04	TCTCTCC-- -ATCTCCGN	
MA0432.1_YNR063W	1.8051e-04	--GGAGAGA TCGGAGAT-	
MA0437.1_YPR196W	2.0464e-04	-GGAGAGA- CGGRNAAAT	
MA0205.1_Trl	8.9097e-04	-GGAGAGA-- NNGAGAGNNR	
MA0159.1_RXR_RAR_DR5	1.1956e-03	---TCTCTCC----- TGACCTNYNNNTGAMCY	
MA0439.1_YRR1	1.2235e-03	--GGAGAGA-- NCGGANATANN	
MA0312.1_HAP1	1.4319e-03	TCTCTCC- NAWNTCCG	
MA0348.1_OAF1	2.2098e-03	TCTCTCC-- NATCYCCGN	




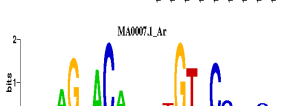




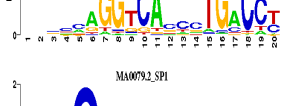
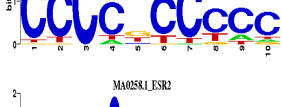
M34



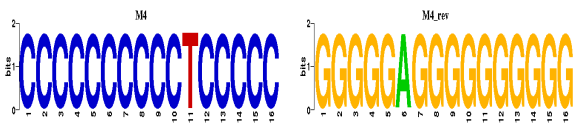
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0111.1_Spz1	6.7306e-05	-CTCTTTCCC- GCTGWTACCCCT	
MA0152.1_NFATC2	4.3710e-04	GGGAAAGAG TGGAAAA--	
MA0294.1_EDS1	4.5962e-04	CTCTTTCCC NTTNTTCN	
MA0022.1_dl_1	5.7011e-04	---CTCTTTCCC SGGGTTTTTCN	
MA0051.1_IRF2	5.7178e-04	-----CTCTTTCCC NNWWNRSTTTCRCTTTC-	
MA0062.1_GABPA	1.4467e-03	-GGGAAAGAG ACCGGAAGNS	
MA0438.1_YRM1	1.6807e-03	-GGGAAAGAG NCGGANAT--	
MA0299.1_GAL4	2.0993e-03	-GGGAAAGAG----- CGNNNANANYNNTC	
MA0065.2_PPARG_RXRA	2.4082e-03	--CTCTTTCCC----- TGMCCTTTGCCYNN	
MA0053.1_MNB1A	3.2511e-03	CTCTTTCCC -NCTTT---	

M77



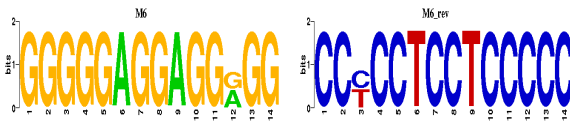
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	2.1505e-05	CCTGTCCC -CTGTCA-	
MA0227.1_hth	5.0688e-05	CCTGTCCC -CTGTCA-	
MA0140.1_Tal1_Gata1	1.3704e-04	----CCTGTCCC----- NTTATCTNNNNNNNNNCNN	
MA0007.1_Ar	2.4957e-04	----GGGACAGG----- NKNNGGNACANNNTGTNCTNNN	
MA0138.1_REST	3.3299e-04	-----GGGACAGG-- TCAGCACCWNGGACAGCNC	
MA0138.2_REST	4.1947e-04	---CCTGTCCC----- GNNGCTGTCCNNGGTGCTGAN	
MA0299.1_GAL4	9.3130e-04	----CCTGTCCC--- GANNRNTNTNNNCCG	
MA0112.2_ESR1	1.1345e-03	GGGACAGG----- RGGTCANNNTGACCTNNNNN	
MA0079.2_SP1	1.1680e-03	-GGGACAGG- GGGGGNGGGG	
MA0258.1_ESR2	2.8932e-03	-----CCTGTCCC-- NAGGNCANNNTGACCYNN	

M4



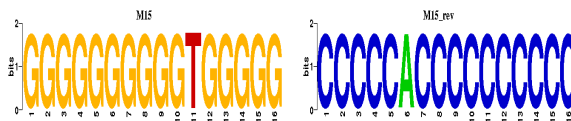
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.0928e-12	GGGGGAGGGGGGGGGG GGGGNGGGG-----	
MA0073.1_RREB1	2.2234e-07	-----GGGGGAGGGGGGGGGG NGKKKGKGGGTGKTTTGGGG--	
MA0068.1_Pax4	6.7539e-07	GGGGGAGGGGGGGGGG----- GKRNNNNKNNNNNNNNNNKNNWWWTWT TY	
MA0456.1_opa	1.7459e-05	GGGGGAGGGGGGGGGG ----CNGCGGGGGGKC	
MA0366.1_RGM1	3.6566e-05	CCCCCCCCCTCCCC -----CCCCT-----	
MA0342.1_MSN4	3.8326e-05	GGGGGAGGGGGGGGGG ----AGGGG-----	
MA0341.1_MSN2	9.0391e-05	GGGGGAGGGGGGGGGG ----AGGGG-----	
MA0443.1_btd	2.0381e-04	-GGGGGAGGGGGGGGGG NGKGGGCGGR-----	
MA0056.1_MZF1_1-4	4.0138e-04	CCCCCCCCCTCCCC -----TCCCN	
MA0057.1_MZF1_5-13	8.5330e-04	GGGGGAGGGGGGGGGG ---NKAGGGGNAN---	

M6



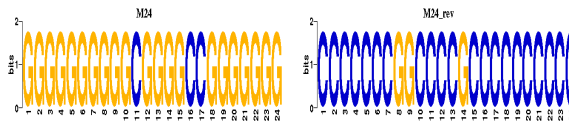
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.1519e-13	GGGGGGGGGGGCGGGGC -----GGGGNGGGG-	
MA0039.2_Klf4	5.6753e-08	GCCCCGCCCCCCCCCCC GCCMCRCCCN-----	
MA0443.1_btd	1.9414e-07	GCCCCGCCCCCCCCCCC --YCCGCCCMCN-----	
MA0073.1_RREB1	4.7050e-07	---GGGGGGGGGGGCGGGGC NGKKKGKGGGTGKTTTGGGG	
MA0068.1_Pax4	6.3456e-07	GGGGGGGGGGGCGGGGC----- -GKRNNNNKNNNNNNNNNNKNNWWWTTWTTY	
MA0456.1_opa	2.1278e-05	GGGGGGGGGGGCGGGGC CNGCGGGGGGKC-----	
MA0399.1_SUT1	5.7377e-05	GCCCCGCCCCCCCCCCC -CCCCGCG-----	
MA0338.1_MIG2	7.9735e-05	GGGGGGGGGGGCGGGGC -----NGYGGGG-	
MA0450.1_hkb	9.6069e-05	GCCCCGCCCCCCCCCCC -TCACGCCCM-----	
MA0373.1_RPN4	9.9354e-05	GCCCCGCCCCCCCCCCC ----CGCCACC-----	

M15



	<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	----GGGGGGGGGTGGGGG NGKKKGKGGGTGKTTTGGGG	
MA0068.1_Pax4	6.3985e-12	GGGGGGGGGGTGGGGG----- GKRNNNNKNNNNNNNNNNKNNWWWWTTTY	
MA0079.2_SP1	1.6629e-09	CCCCACCCCCCCCCC -----CCCNCCCCC	
MA0039.2_Klf4	7.7240e-06	CCCCACCCCCCCCCC GCCMCRCN-----	
MA0436.1_YPR022C	1.9673e-05	GGGGGGGGGTGGGGG -----NGTGGGG-	
MA0268.1_ADR1	6.3698e-05	GGGGGGGGGTGGGGG -----KTGGGGN	
MA0450.1_hkb	1.3317e-04	CCCCACCCCCCCCCC ---TCACGCCM----	
MA0373.1_RPN4	1.8146e-04	GGGGGGGGGTGGGGG -----GGTGGCG-	
MA0456.1_opa	2.2763e-04	CCCCACCCCCCCCCC ----GMCCCCCGCNG	
MA0079.1_SP1	2.3729e-04	CCCCACCCCCCCCCC -----ACCCNGCCNN-	

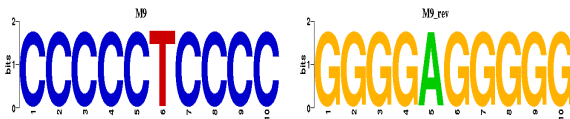
M24



forward *reverse compliment*

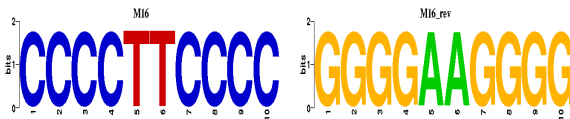
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.1906e-07	GGGCGGCGGCGGCGGCGGGGGCGG -----GGGGGNGGGG-----	
MA0162.1_Egr1	4.6223e-07	CCGCCCCCGCCGCCGCCGCCGCC MCGCCCACGCN-----	
MA0443.1_btd	4.5296e-06	-CCGCCCCCGCCGCCGCCGCCGCC YCCGCCMCN-----	
MA0399.1_SUT1	5.0634e-05	GGGCGGCGGCGGCGGCGGGGGCGG -----CGCGGG-----	
MA0338.1_MIG2	1.9914e-04	GGGCGGCGGCGGCGGCGGGGGCGG -----NGYGGG-----	
MA0373.1_RPN4	2.4675e-04	CCGCCCCCGCCGCCGCCGCCGCC -CGCCACC-----	
MA0339.1_MIG3	2.6791e-04	GGGCGGCGGCGGCGGCGGGGGCGG -----NGYGGG-----	
MA0123.1_abi4	6.4249e-04	--GGGCGGCGGCGGCGGCGGGGGCGG NGNNGCRSCG-----	
MA0320.1_IME1	6.6792e-04	GGGCGGCGGCGGCGGCGGGGGCGG -----CTCGGCGG-----	
MA0337.1_MIG1	8.6042e-04	GGGCGGCGGCGGCGGCGGGGGCGG -----SYGGGN-----	

M9



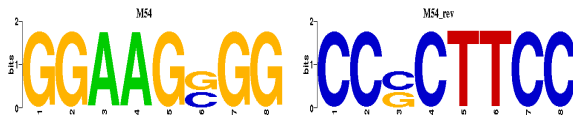
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.1989e-11	CCCCCTCCCC- -CCCNCCCCC	
MA0366.1_RGM1	6.3946e-06	CCCCCTCCCC -CCCCT----	
MA0342.1_MSN4	6.7232e-06	GGGGAGGGGG ----AGGGG-	
MA0341.1_MSN2	1.6824e-05	GGGGAGGGGG ----AGGGG-	
MA0057.1_MZF1_5-13	3.3730e-05	GGGGAGGGGG-- --NKAGGGGNAN	
MA0056.1_MZF1_1-4	7.3927e-05	CCCCCTCCCC- -----TCCCN	
MA0039.2_Klf4	1.1009e-04	CCCCCTCCCC GCCMCRCNN	
MA0068.1_Pax4	1.6824e-04	-----CCCCCTCCCC----- RAAWAWWWNNMNNNNNNNNNNNNMNNNNNYMC	
MA0073.1_RREB1	3.8023e-04	GGGGAGGGGG----- NGKKKGKGGGTGKTTTGGGG	
MA0323.1_IXR1	4.3133e-04	-CCCCCTCCCC----- CMCCGCTTCCGGYTT	



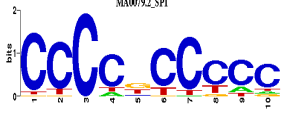


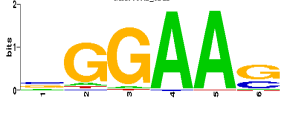




M16



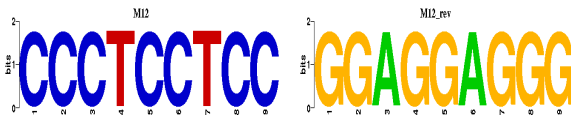
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SPI	3.5582e-11	CCCCTTCCCC CCCCNCCCC	
MA0366.1_RGM1	6.3946e-06	CCCCTTCCCC CCCCT-----	
MA0342.1_MSN4	6.7232e-06	GGGGAAGGGG -----AGGGG	
MA0341.1_MSN2	1.6824e-05	GGGGAAGGGG -----AGGGG	
MA0056.1_MZF1_1-4	7.3927e-05	CCCCTTCCCC- -----TCCCCN	
MA0065.2_PPARG_RXRA	1.2267e-04	---GGGGAAGGGG-- NNRGGNCAAAGGKCA	
MA0080.1_SPI1	1.5380e-04	CCCCTTCCCC ---STTCN-	
MA0039.1_Klf4	1.9805e-04	CCCCTTCCCC-- --CCTTYYT TN	
MA0323.1_IXR1	6.2683e-04	--CCCCTTCCCC-- CMCCGCTTCCGGYTT	
MA0364.1_REI1	6.7413e-04	GGGGAAGGGG ---NCAGGG	

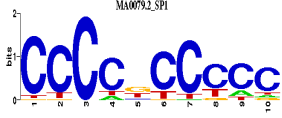

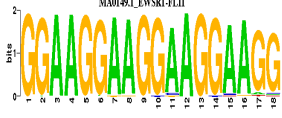


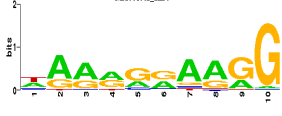

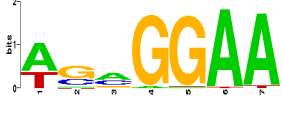


M54



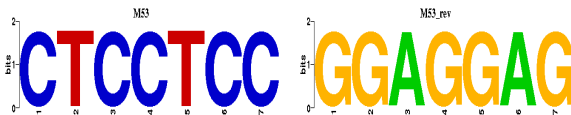
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0323.1_IXR1	5.7776e-08	--CCSCTTCC----- CMCCGCTTCCGGYTT	
MA0305.1_GCR2	6.0445e-06	CCSCTTCC- --GCTTCN	
MA0079.2_SP1	1.9830e-05	--GGAAGSGG GGGGGNGGGG	
MA0366.1_RGM1	2.2009e-05	CCSCTTCC CCCCT---	
MA0342.1_MSN4	2.3074e-05	CCSCTTCC CCCCT---	
MA0080.1_SPI1	4.2939e-05	CCSCTTCC- ---STTCN	
MA0341.1_MSN2	5.4713e-05	CCSCTTCC CCCCT---	
MA0080.2_SPI1	1.8260e-04	CCSCTTCC- --ACTTCCT	
MA0304.1_GCR1	1.9910e-04	CCSCTTCC- -GGCTTCCA	
MA0026.1_Eip74EF	3.0129e-04	CCSCTTCC-- ---YTTCGG	

M12



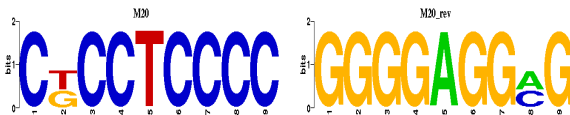
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	7.0945e-09	GGAGGAGGG- GGGGNGGGG	
MA0283.1_CHA4	1.0413e-04	CCCTCCTCC -NCTCCGCC	
MA0149.1_EWSR1-FL11	2.9256e-04	-GGAGGAGGG----- GGAAGGAAGGAAGGAAGG	
MA0090.1_TEAD1	9.3551e-04	-GGAGGAGGG-- CNSWGGAATGTR	
MA0062.1_GABPA	1.3055e-03	CCCTCCTCC--- --SNCTTCCGGT	
MA0039.1_Klf4	1.3856e-03	CCCTCCTCC- CCTTYYYTNN	
MA0443.1_btd	1.5419e-03	CCCTCCTCC- YCCGCCCMCN	
MA0081.1_SPIB	1.7388e-03	GGAGGAGGG ASMGGAA--	
MA0080.2_SPI1	2.1916e-03	CCCTCCTCC ACTTCCT--	
MA0366.1_RGM1	2.9116e-03	GGAGGAGGG- -----AGGGG	

M53



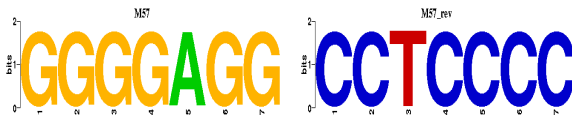
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0283.1_CHA4	6.1213e-06	-CTCCTCC NCTCCGCC	
MA0062.1_GABPA	6.2175e-05	CTCCTCC--- SNCTTCGGT	
MA0079.2_SP1	9.4615e-05	---CTCCTCC CCCCNCCCCC	
MA0090.1_TEAD1	1.8215e-04	----CTCCTCC- YACATTCCWSNG	
MA0081.1_SPIB	3.0904e-04	GGAGGAG ASMGGAA	
MA0130.1_ZNF354C	2.5837e-03	GGAGGAG -GTGGAK	
MA0373.1_RPN4	4.1252e-03	CTCCTCC CGCCACC	
MA0366.1_RGM1	6.3952e-03	CTCCTCC CCCCT--	
MA0342.1_MSN4	6.5951e-03	CTCCTCC CCCCT--	
MA0056.1_MZF1_1-4	1.0308e-02	CTCCTCC -TCCCCN	

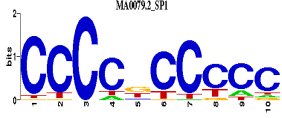



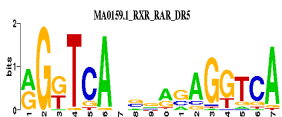





M20



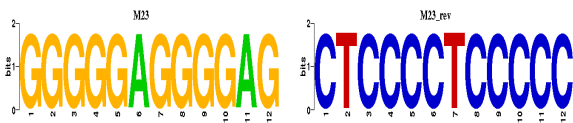
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.1719e-07	-GGGGAGGMG GGGGGNGGGG	
MA0056.1_MZF1_1-4	4.2872e-05	CKCCTCCCC- ----TCCCCN	
MA0373.1_RPN4	2.2227e-04	CKCCTCCCC CGCCACC--	
MA0123.1_abi4	2.3658e-04	-GGGGAGGMG NGNNGCRSCG	
MA0443.1_btd	4.7982e-04	--GGGGAGGMG NGKGGGCGGR-	
MA0344.1_NHP10	1.6034e-03	CKCCTCCCC--- ----TCCCCGN	
MA0283.1_CHA4	1.6089e-03	GGGGAGGMG- --GGCGGAGN	
MA0456.1_opa	1.7268e-03	----GGGGAGGMG CNGCGGGGGGKC-	
MA0341.1_MSN2	2.9116e-03	-GGGGAGGMG AGGGG-----	
MA0342.1_MSN4	2.9123e-03	-GGGGAGGMG AGGGG-----	

M57



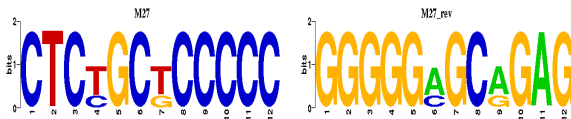
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	7.9489e-08	-GGGGAGG-- GGGGGNGGGG	
MA0056.1_MZF1_1-4	6.9569e-06	CCTCCCC- --TCCCN	
MA0443.1_btd	3.5145e-05	--GGGGAGG- NGKGGGCGGR	
MA0344.1_NHP10	1.8001e-04	CCTCCCC-- --TCCCCGN	
MA0159.1_RXR_RAR_DR5	4.0204e-04	---CCTCCCC----- TGACCTNYNNNTGAMCY	
MA0341.1_MSN2	1.0042e-03	-GGGGAGG AGGGG---	
MA0342.1_MSN4	1.0045e-03	-GGGGAGG AGGGG---	
MA0366.1_RGM1	1.0774e-03	CCTCCCC- ---CCCCT	
MA0057.1_MZF1_5-13	1.7396e-03	CCTCCCC---- -NTNCCCCTMN	
MA0456.1_opa	1.8160e-03	----GGGGAGG- CNGCGGGGGK	

M23



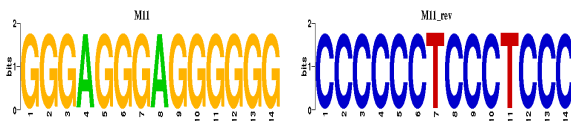
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	4.0190e-14	GGGGGAGGGGAG GGGGNGGGG---	
MA0068.1_Pax4	3.0246e-09	---GGGGGAGGGGAG----- GKRNNNNNKNNNNNNNNNNNNKNNWWWTWTTY	
MA0366.1_RGM1	1.5007e-05	CTCCCCTCCCC --CCCCT-----	
MA0342.1_MSN4	1.5750e-05	GGGGGAGGGGAG -----AGGGG---	
MA0443.1_btd	3.7881e-05	-GGGGGAGGGGAG NGKGGGCGGR---	
MA0341.1_MSN2	3.8085e-05	GGGGGAGGGGAG -----AGGGG---	
MA0056.1_MZF1_1-4	1.7505e-04	CTCCCCTCCCC -TCCCN-----	
MA0140.1_Tal1_Gata1	3.4333e-04	-----CTCCCCTCCCC- NTTATCTNNNNNNNNNCNN	
MA0039.2_Klf4	5.2767e-04	CTCCCCTCCCC -GCCMCRCNN-	
MA0283.1_CHA4	6.4739e-04	CTCCCCTCCCC ----NCTCCGCC	

M27



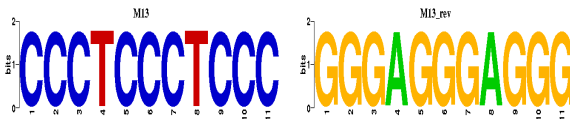
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.2314e-07	GGGGGAGCAGAG GGGGNGGGG--	
MA0140.1_Tal1_Gata1	6.5173e-05	---CTCTGCTCCCC--- NTTATCTNNNNNNNNC	
MA0443.1_btd	1.3115e-04	CTCTGCTCCCC-- ---YCCGCCMCN	
MA0068.1_Pax4	1.7046e-04	---GGGGGAGCAGAG----- GKRNNNNKNNNNNNNNNNKNNWWWTWTY	
MA0056.1_MZF1_1-4	3.8233e-04	CTCTGCTCCCC -----TCCCN	
MA0326.1_MAC1	1.3095e-03	GGGGGAGCAGAG ---YGAGCAA-	
MA0283.1_CHA4	1.5666e-03	CTCTGCTCCCC ---NCTCCGCC	
MA0323.1_IXR1	2.1957e-03	CTCTGCTCCCC--- CMCCGCTTCCGGYTT	
MA0111.1_Spz1	2.2879e-03	CTCTGCTCCCC -GCTGWTACCCT	
MA0341.1_MSN2	2.8859e-03	GGGGGAGCAGAG AGGGG-----	

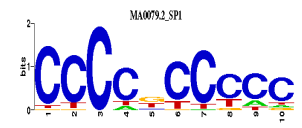
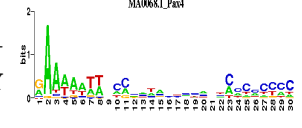
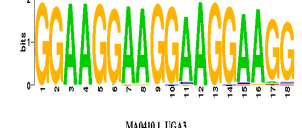

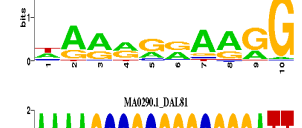
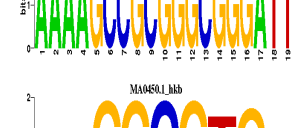
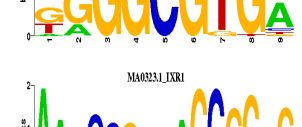


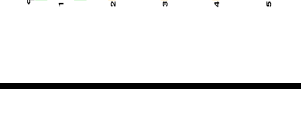
M11



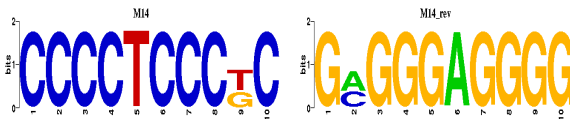
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.3221e-08	CCCCCTCCCTCCC --CCCNCCCC--	
MA0068.1_Pax4	3.4397e-07	-GGGAGGGAGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTY	
MA0149.1_EWSR1-FLI1	5.3379e-06	GGGAGGGAGGGGGG---- GGAAGGAAGGAAGGAAGG	
MA0366.1_RGM1	2.2577e-05	CCCCCTCCCTCCC --CCCCT-----	
MA0342.1_MSN4	2.3691e-05	GGGAGGGAGGGGGG -----AGGGG--	
MA0341.1_MSN2	5.7130e-05	GGGAGGGAGGGGGG -----AGGGG--	
MA0323.1_IXR1	7.4200e-05	-GGGAGGGAGGGGGG AARCCGGAAGCGGK	
MA0073.1_RREB1	3.6223e-04	-----GGGAGGGAGGGGGG NGKKKGKGGGTGKTTTGGGG-	
MA0057.1_MZF1_5-13	4.7531e-04	GGGAGGGAGGGGGG- -----NKAGGGGNAN	
MA0163.1_PLAG1	7.5229e-04	GGGAGGGAGGGGGG GGGGCCNAAGGGGG	

M13



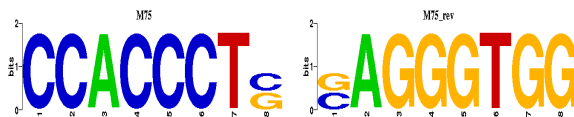
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.1804e-06	GGGAGGGAGGG- --GGGGGNGGGG	
MA0068.1_Pax4	4.3865e-05	-GGGAGGGAGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWWTWTYY	
MA0149.1_EWSR1-FLI1	5.2127e-05	-----CCCTCCCTCCC CCTTCCTTCCTTCCTTCC-	
MA0410.1_UGA3	4.1347e-04	GGGAGGGAGGG NGGCGGGA---	
MA0039.1_Klf4	7.9559e-04	CCCTCCCTCCC CCTTYYYTNN-	
MA0290.1_DAL81	1.4434e-03	CCCTCCCTCCC----- -AATCCCGCCCGCGGCTTTT	
MA0450.1_hkb	2.9080e-03	CCCTCCCTCCC- ---TCACGCCCM	
MA0323.1_IXR1	5.0382e-03	CCCTCCCTCCC----- -CMCCGCTTCCGGYTT	
MA0443.1_btd	5.3971e-03	CCCTCCCTCCC YCCGCCCMCN-	
MA0366.1_RGM1	5.5788e-03	-GGGAGGGAGGG A---AGGGG---	

M14



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.2612e-09	CCCCTCCCKC CCCCNCCCCC	
MA0366.1_RGM1	6.3946e-06	CCCCTCCCKC CCCCT-----	
MA0342.1_MSN4	6.7232e-06	GMGGGAGGGG -----AGGGG	
MA0341.1_MSN2	1.6824e-05	GMGGGAGGGG -----AGGGG	
MA0290.1_DAL81	2.9377e-05	-----GMGGGAGGGG-- AAAAGCCGCGGGCGGGATT	
MA0039.2_Klf4	1.1009e-04	-CCCCTCCCKC GCCMCRCCCN-	
MA0456.1_opa	1.6289e-04	CCCCTCCCKC-- GMCCCCCGCNG	
MA0323.1_IXR1	3.0285e-04	--CCCCTCCCKC--- CMCCGCTTCCGGYTT	
MA0410.1_UGA3	4.2304e-04	--GMGGGAGGGG NGGCGGGA----	
MA0364.1_REI1	6.7413e-04	GMGGGAGGGG ---NCAGGGG	

M75

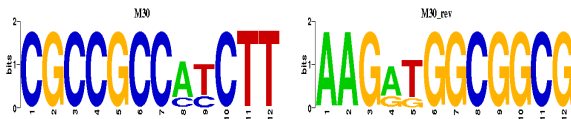





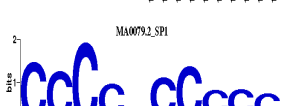




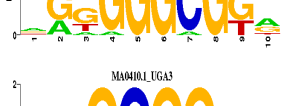
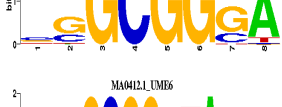
forward

reverse compliment

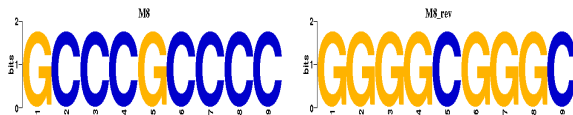
Name	E value	Alignment	Motif
MA0112.2_ESR1	2.0111e-05	----SAGGGTGG----- RGGTCANNNTGACCTNNNNN	
MA0373.1_RPN4	2.3734e-04	SAGGGTGG-- ---GGTGGCG	
MA0258.1_ESR2	5.0012e-04	----CCACCCTS----- NAGGNCANNNTGACCYN	
MA0270.1_AFT2	6.1244e-04	SAGGGTGG- -NGGGTGTN	
MA0039.2_Klf4	8.4072e-04	SAGGGTGG--- -NGGGYGKGGC	
MA0116.1_Zfp423	1.6483e-03	-CCACCCTS----- GNMMCCYTRGGKKSC	
MA0366.1_RGM1	1.7687e-03	SAGGGTGG -AGGGG--	
MA0342.1_MSN4	1.9583e-03	CCACCCTS --CCCCT-	
MA0364.1_REI1	2.0058e-03	-SAGGGTGG NCAGGGG--	
MA0403.1_TBF1	2.1858e-03	-SAGGGTGG NTAGGGYT-	

M30



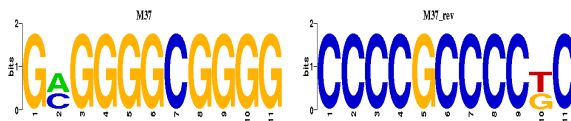
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0373.1_RPN4	4.5228e-06	CGCCGCCATCTT ---CGCCACC--	
MA0394.1_STP1	2.3264e-04	-CGCCGCCATCTT NMGCCGCR-----	
MA0139.1_CTCF	6.1833e-04	-----AAGATGGCGGCG YNNCCASYAGGKGGCRSNN	
MA0079.2_SP1	7.0320e-04	CGCCGCCATCTT CCCNCCCC--	
MA0283.1_CHA4	9.4802e-04	AAGATGGCGGCG- -----GGCGGAGN	
MA0384.1_SNT2	1.7697e-03	CGCCGCCATCTT NGGCGCTAYCA-	
MA0123.1_abi4	2.1366e-03	AAGATGGCGGCG --NGNNGCRSCG	
MA0443.1_btd	3.3905e-03	CGCCGCCATCTT -YCCGCCMCN-	
MA0410.1_UGA3	7.5713e-03	CGCCGCCATCTT TCCCGCN----	
MA0412.1_UME6	8.1535e-03	----CGCCGCCATCTT AWWTAGCCGCCSA---	

M8



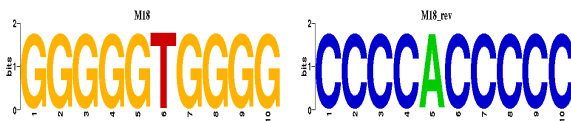
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.2318e-09	-GGGGCGGGC GGGGNGGGG	
MA0443.1_btd	7.3799e-08	GCCCGCCCC-- -YCCGCCMCN	
MA0450.1_hkb	7.6725e-07	GCCCGCCCC TCACGCCCM	
MA0290.1_DAL81	9.9229e-06	--GCCCGCCCC----- AATCCCGCCCCGGGCTTTT	
MA0410.1_UGA3	1.3726e-05	GCCCGCCCC TCCCGCCN-	
MA0039.2_Klf4	3.3647e-05	-GCCCGCCCC GCCMCRCNN	
MA0123.1_abi4	2.5669e-04	-GGGGCGGGC NGNNGCRSCG	
MA0456.1_opa	2.7459e-04	---GGGGCGGGC CNGCGGGGGK	
MA0405.1_TEA1	3.0844e-04	--GCCCGCCCC NWGYSCGC---	
MA0079.1_SP1	5.1778e-04	-GCCCGCCCC ACCCNGCCNN	

M37



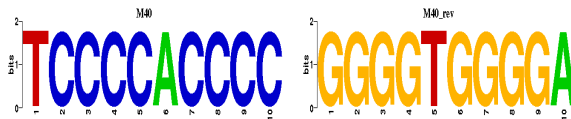
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.3240e-11	CCCCGCCCKC CCCNCCCCC-	
MA0039.2_Klf4	8.9739e-07	-CCCCGCCCKC GCCMCRCCCN--	
MA0443.1_btd	1.5192e-06	CCCCGCCCKC -YCCGCCMCN	
MA0450.1_hkb	7.2772e-06	CCCCGCCCKC TCACGCCCM--	
MA0399.1_SUT1	7.9942e-06	CCCCGCCCKC CCCCGCG----	
MA0338.1_MIG2	1.1467e-05	GMGGGGCGGGG ----NGYGGGG	
MA0339.1_MIG3	1.6021e-05	GMGGGGCGGGG ----NGYGGGG	
MA0079.1_SP1	2.2266e-05	-CCCCGCCCKC ACCCNGCCNN--	
MA0283.1_CHA4	2.7112e-05	-CCCCGCCCKC NCTCCGCC----	
MA0337.1_MIG1	6.0433e-05	GMGGGGCGGGG- -----SYGGGGN	

M18



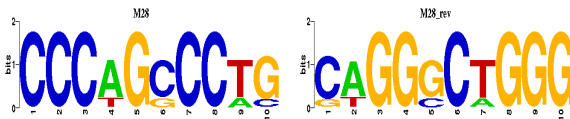
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	5.8601e-11	CCCCACCCCC CCCNCCCCC	
MA0039.2_Klf4	9.0358e-08	-CCCCACCCCC GCCMCRCCCN-	
MA0436.1_YPR022C	1.6405e-06	GGGGGTGGGG ---NGTGGGG	
MA0268.1_ADR1	6.1122e-06	GGGGGTGGGG- ----KTGGGGN	
MA0443.1_btd	9.8597e-06	CCCCACCCCC- -YCCGCCMCN	
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- ----SYGGGGN	
MA0339.1_MIG3	7.7853e-05	GGGGGTGGGG ---NGYGGGG	

M40



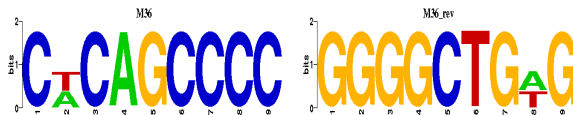
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	9.0358e-08	TCCCCACCCC GCCMCRCCCN	
MA0079.2_SP1	1.7423e-07	-GGGGTGGGGA GGGGGNGGGG-	
MA0436.1_YPR022C	1.6405e-06	GGGGTGGGGA --NGTGGGG-	
MA0268.1_ADR1	6.1122e-06	GGGGTGGGGA ---KTGGGGN	
MA0373.1_RPN4	1.9891e-05	GGGGTGGGGA --GGTGGCG-	
MA0140.1_Tal1_Gata1	5.4411e-05	-----TCCCCACCCC NTTATCTNNNNNNNNCNN	
MA0337.1_MIG1	6.4119e-05	GGGGTGGGGA ---SYGGGGN	
MA0056.1_MZF1_1-4	7.3927e-05	TCCCCACCCC TCCCN----	
MA0339.1_MIG3	7.7853e-05	GGGGTGGGGA --NGYGGGG-	
MA0338.1_MIG2	1.1746e-04	GGGGTGGGGA --NGYGGGG-	

M28



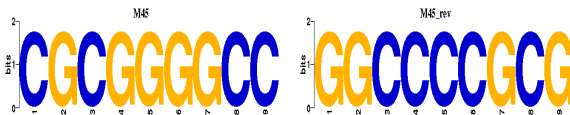
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	7.3209e-05	CAGGGCTGGG GGGGNGGGG	
MA0079.1_SP1	7.1603e-04	-CCCAGCCCTG ACCCNGCCNN-	
MA0146.1_Zfx	8.6567e-04	CAGGGCTGGG---- NAGGCCNNGGCNN	
MA0403.1_TBF1	8.9827e-04	-CAGGGCTGGG NTAGGGYT---	
MA0267.1_ACE2	1.0274e-03	CAGGGCTGGG ---NGCTGGN	
MA0039.2_Klf4	1.0955e-03	-CCCAGCCCTG GCCMCRCCCN-	
MA0364.1_REI1	1.1331e-03	-CAGGGCTGGG NCAGGGG----	
MA0112.2_ESR1	1.5988e-03	CAGGGCTGGG----- -RGGTCANNNTGACCTNNNNN	
MA0402.1_SWI5	2.9709e-03	-CCCAGCCCTG NACCAGCA---	
MA0366.1_RGM1	5.8215e-03	CAGGGCTGGG -AGGGG----	

M36



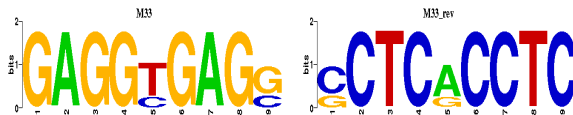
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0443.1_btd	1.3302e-04	--GGGGCTGWG NGKGGGCGGR-	
MA0079.2_SP1	2.2220e-04	-GGGGCTGWG GGGGGNGGG	
MA0150.1_NFE2L2	4.0261e-04	GGGGCTGWG---- --TGCTNWTGTCAY	
MA0138.1_REST	8.3204e-04	-----GGGGCTGWG GNGCTGTCCNWGGTGCTGA-	
MA0332.1_MET28	8.7567e-04	-CWCAGCCCC CCACAG----	
MA0138.2_REST	1.1269e-03	-----GGGGCTGWG GNNGCTGTCCNNGGTGCTGAN	
MA0283.1_CHA4	1.2377e-03	-CWCAGCCCC NCTCCGCC--	
MA0065.2_PPARG_RXRA	1.7407e-03	--GGGGCTGWG---- NNRGGNCAAAGGKCA	
MA0140.1_Tal1_Gata1	2.8314e-03	---CWCAGCCCC----- NTTATCTNNNNNNNNNCNN	
MA0341.1_MS2	2.9116e-03	-GGGGCTGWG AGGGG-----	



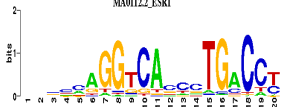

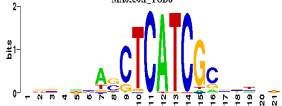

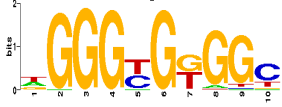



M45



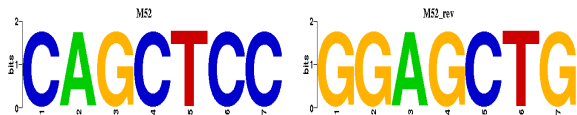
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0399.1_SUT1	4.5213e-10	CGCGGGGCC CGCGGGG--	
MA0338.1_MIG2	2.9080e-06	CGCGGGGCC NGYGGGG--	
MA0339.1_MIG3	4.1606e-06	CGCGGGGCC NGYGGGG--	
MA0337.1_MIG1	1.7301e-05	CGCGGGGCC -SYGGGN-	
MA0441.1_ZMS1	3.9846e-05	CGCGGGGCC NNGGGGNN	
MA0039.2_Klf4	4.0986e-05	GGCCCCGCG-- -GCCMCRCCCN	
MA0456.1_opa	1.7137e-04	---CGCGGGGCC CNGCGGGGGGKC	
MA0003.1_TFAP2A	2.7847e-04	-CGCGGGGCC SCNNNNGGC-	
MA0362.1_RDS2	4.2667e-04	GGCCCCGCG --CCCCGAN	
MA0079.2_SP1	4.7769e-04	---CGCGGGGCC GGGGNGGGG--	

M33



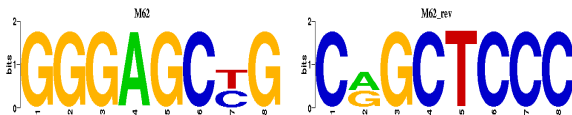
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0103.1_ZEB1	5.7596e-05	GAGGTGAGG NAGGTG---	
MA0086.1_sna	6.0552e-05	CCTCACCTC ---CACCTG	
MA0112.2_ESR1	1.1089e-03	GAGGTGAGG----- -RGGTCANNNTGACCTNNNNN	
MA0009.1_T	1.2617e-03	-GAGGTGAGG- CTAGGTGTGAA	
MA0350.1_TOD6	1.7462e-03	-----CCTCACCTC----- NNNNNASCATCATCGCNNNNN	
MA0409.1_TYE7	2.8902e-03	CCTCACCTC --TCACGTG	
MA0039.2_Klf4	4.1818e-03	-CCTCACCTC GCCMCRCCCN	
MA0099.1_Fos	6.5299e-03	GAGGTGAGG-- ---GTGANTCA	
MA0018.1_CREB1	7.7506e-03	--CCTCACCTC- NACGTCANCMNN	
MA0281.1_CBF1	8.7859e-03	CCTCACCTC- --TCACGTGN	

M52



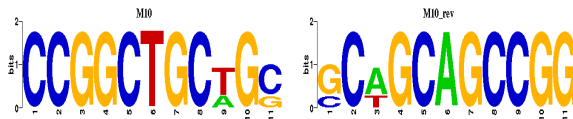
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0138.2_REST	7.8083e-06	GGAGCTG----- GNNCTGTCCNNGGTGCTGAN	
MA0048.1_NHLH1	4.2492e-05	--GGAGCTG--- NCGCAGCTGCGN	
MA0138.1_REST	1.9761e-04	-----GGAGCTG- GNGCTGTCCNWGGTGCTGA	
MA0316.1_HAP5	4.3489e-04	-----CAGCTCC-- ACCAATNAGMNNSSN	
MA0055.1_Myf	6.3166e-04	--GGAGCTG--- MRGCARCTGCTG	
MA0354.1_PDR8	1.1041e-03	CAGCTCC-- -ATCTCCGN	
MA0432.1_YNR063W	2.6580e-03	CAGCTCC-- -ATCTCCGA	
MA0145.1_Tcfcp211	3.0039e-03	-----GGAGCTG- CYGGNTNNRNCYGG	
MA0430.1_YLR278C	3.4460e-03	CAGCTCC-- -AACTCCGN	
MA0384.1_SNT2	5.1173e-03	-GGAGCTG--- NGGCGCTAYCA	

M62



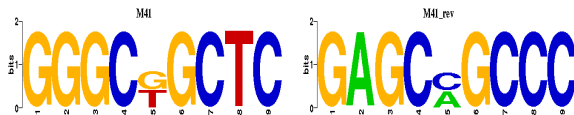
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0304.1_GCR1	6.5610e-05	CRGCTCCC- -GGCTTCCA	
MA0123.1_abi4	1.3862e-04	--GGGAGCYG NGNNGCRSCG	
MA0404.1_TBS1	2.2705e-04	GGGAGCYG CGGNTCCG	
MA0316.1_HAP5	3.7773e-04	-----CRGCTCCC- ACCAATNAGMNSSN	
MA0138.2_REST	9.6725e-04	GGGAGCYG----- -GNNGCTGTCCNNGGTGCTGAN	
MA0305.1_GCR2	1.1151e-03	-GGGAGCYG NNGAAGC--	
MA0323.1_IXR1	1.9015e-03	--CRGCTCCC----- CMCCGCTTCCGGYTT	
MA0048.1_NHLH1	2.0262e-03	---CRGCTCCC- NCGCAGCTGCGN	
MA0213.1_brk	3.9513e-03	-GGGAGCYG SYGGCGCY-	
MA0055.1_Myf	4.8745e-03	---CRGCTCCC- CAGCAGYTGCYK	


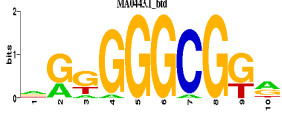
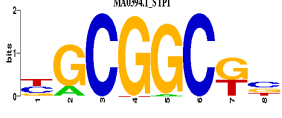
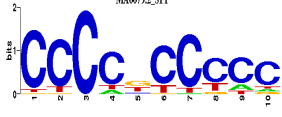
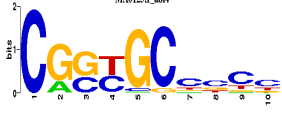


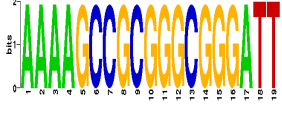


M10



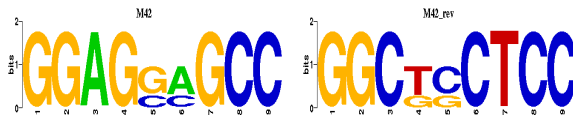
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	3.0564e-06	--GCAGCAGCCGG CAGCAGYTGCYK-	
MA0048.1_NHLH1	2.8667e-04	--GCAGCAGCCGG NCGCAGCTGCGN-	
MA0412.1_UME6	6.2757e-04	--GCAGCAGCCGG AWWTAGCCGCCSA	
MA0290.1_DAL81	1.0817e-03	----GCAGCAGCCGG---- AAAAGCCGCGGGCGGGATT	
MA0456.1_opa	1.4890e-03	GCAGCAGCCGG-- -CNGCGGGGGGKC	
MA0454.1_odd	1.5901e-03	CCGGCTGCTGC- -NTGCTACTGTN	
MA0344.1_NHP10	4.7641e-03	---CCGGCTGCTGC TCCCCGN-----	
MA0402.1_SWI5	5.9720e-03	CCGGCTGCTGC-- -----TGCTGGTN	
MA0361.1_RDS1	6.5131e-03	GCAGCAGCCGG ---NCGGCCG-	
MA0429.1_YLL054C	6.6965e-03	CCGGCTGCTGC NCGGCCG----	

M41



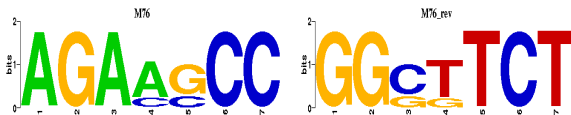
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0412.1_UME6	8.4603e-06	---GAGCMGCCC- AWWTAGCCGCCSA	
MA0443.1_btd	8.4090e-04	GAGCMGCCC--- --YCCGCCCMCN	
MA0394.1_STP1	1.4601e-03	GAGCMGCCC NMGCCGCR-	
MA0079.2_SP1	2.2711e-03	--GGGCKGCTC GGGGNGGGG-	
MA0123.1_abi4	3.4662e-03	--GGGCKGCTC NGNNGCRSCG-	
MA0039.2_Klf4	5.5616e-03	GAGCMGCCC- GCCMCRCCCN	
MA0162.1_Egr1	7.2244e-03	GAGCMGCCC----- ---MCGCCCACGCN	
MA0290.1_DAL81	7.8718e-03	-----GGGCKGCTC-- AATCCCGCCCGCGCTTTT	
MA0283.1_CHA4	8.3037e-03	GAGCMGCCC NCTCCGCC-	
MA0410.1_UGA3	8.5317e-03	GAGCMGCCC -TCCCGCCN	

M42



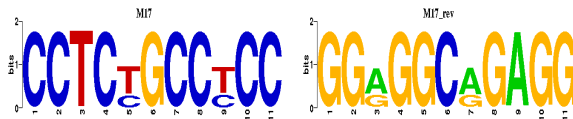
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0283.1_CHA4	5.0544e-04	GGCTCCTCC -NCTCCGCC	
MA0079.2_SP1	7.7131e-04	-GGCTCCTCC CCCCNCCCC	
MA0373.1_RPN4	3.9675e-03	GGCTCCTCC --CGCCACC	
MA0062.1_GABPA	4.8348e-03	GGCTCCTCC--- --SNCTTCCGGT	
MA0081.1_SPIB	4.9605e-03	GGCTCCTCC --TTCKST	
MA0213.1_brk	6.3495e-03	GGCTCCTCC RGCGCCRS-	
MA0123.1_abi4	7.1819e-03	GGAGGAGCC- NGNNGCRSCG	
MA0090.1_TEAD1	8.8831e-03	-GGAGGAGCC-- CNSWGAATGTR	
MA0412.1_UME6	1.0462e-02	--GGAGGAGCC-- AWWTAGCCGCCSA	
MA0384.1_SNT2	1.1361e-02	-GGCTCCTCC- NGGCGCTAYCA	

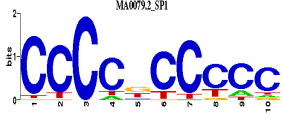
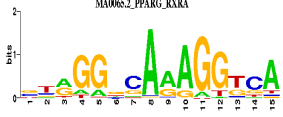
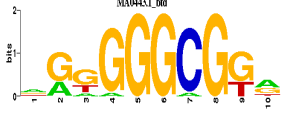

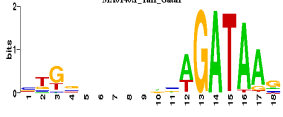
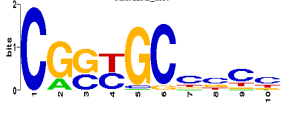
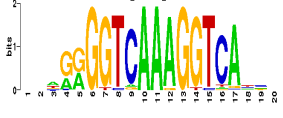
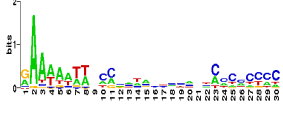


M76



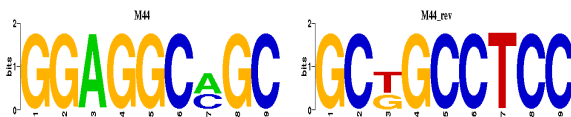
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0304.1_GCR1	1.1508e-06	GGCTTCT- GGCTTCCA	
MA0260.1_che-1	1.3193e-06	AGAAGCC -GAARCC	
MA0305.1_GCR2	1.2684e-04	-AGAAGCC NGGAAGC-	
MA0290.1_DAL81	3.8999e-04	-----GGCTTCT AATCCCGCCCCGCGCTTTT	
MA0127.1_PEND	1.7857e-03	----AGAAGCC MATAAGAANT-	
MA0263.1_ttx-3_c	2.4358e-03	---GGCTTCT--- ATTGGYTTMGTTAR	
MA0053.1_MNB1A	3.0011e-03	GGCTTCT -NCTTT-	
MA0064.1_PBF	4.0351e-03	GGCTTCT -RCTTT-	
MA0080.1_SPI1	4.2200e-03	GGCTTCT- --STTCN	
MA0271.1_ARG80	6.2261e-03	GGCTTCT -GNGTCW	

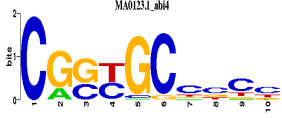

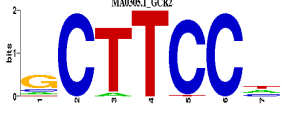



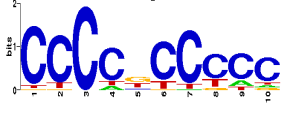

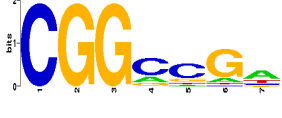

M17



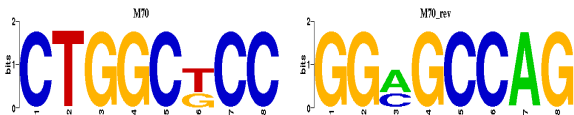
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.2039e-06	GGAGGCAGAGG GGGGNGGGG-	
MA0065.2_PPARG_RXRA	2.2711e-06	-GGAGGCAGAGG--- NNRGGNCAAAGGKCA	
MA0443.1_btd	5.1043e-06	CCTCTGCCTCC- --YCCGCCCMCN	
MA0283.1_CHA4	2.7168e-05	CCTCTGCCTCC NCTCCGCC---	
MA0140.1_Tal1_Gata1	1.5329e-04	--CCTCTGCCTCC----- NTTATCTNNNNNNNNNCNN	
MA0123.1_abi4	3.4586e-04	GGAGGCAGAGG NGNNGCRSCG-	
MA0065.1_PPARG_RXRA	5.2120e-04	---GGAGGCAGAGG----- NNNGRGGTCAAAGGTCANNN	
MA0068.1_Pax4	3.0275e-03	GGAGGCAGAGG----- GKRNNNNKNNNNNNNNNNKNNWWWTTTY	
MA0155.1_INSM1	3.6683e-03	CCTCTGCCTCC----- ----YGCCCCCTGRCA	
MA0373.1_RPN4	4.0619e-03	CCTCTGCCTCC ----CGCCACC	

M44



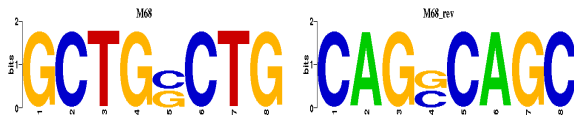
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0123.1_abi4	2.3641e-03	GGAGGCMGC- NGNNGCRSCG	
MA0340.1_MOT3	2.5272e-03	GCKGCCTCC --TRCCTN--	
MA0305.1_GCR2	2.6155e-03	-GGAGGCMGC NGGAAGC---	
MA0373.1_RPN4	3.5779e-03	GCKGCCTCC --CGCCACC	
MA0304.1_GCR1	3.9183e-03	GCKGCCTCC- --GGCTTCCA	
MA0055.1_Myf	6.6953e-03	-----GCKGCCTCC CAGCAGYTGCYK--	
MA0079.2_SP1	8.1816e-03	GGAGGCMGC- GGGGGNGGGG	
MA0361.1_RDS1	8.3843e-03	GCKGCCTCC NCGCCG--	
MA0429.1_YLL054C	8.4761e-03	GGAGGCMGC -NCGCCG-	
MA0080.2_SPI1	8.7047e-03	GCKGCCTCC ACTTCT--	

M70



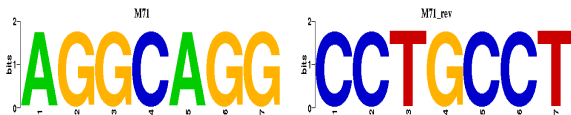
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0213.1_brk	4.8232e-08	GGAGCCAG RGCGCCRS	
MA0024.1_E2F1	5.1555e-04	GGAGCCAG-- -GCGCSAAA	
MA0119.1_TLX1_NFIC	4.1885e-03	CTGGCTCC----- -TGGCASNNNGCCAA	
MA0285.1_CRZ1	4.3193e-03	CTGGCTCC-- GNGGCTNNN	
MA0384.1_SNT2	5.0253e-03	-GGAGCCAG-- NNGCGCTAYCA	
MA0161.1_NFIC	5.9708e-03	GGAGCCAG --NGCCAA	
MA0092.1_Hand1_T	6.0782e-03	GGAGCCAG--- -NWNCCAGAYN	
MA0099.2_AP1	7.3065e-03	GGAGCCAG TGAGTCA-	
MA0272.1_ARG81	7.4282e-03	GGAGCCAG NGAGTCAN	
MA0326.1_MAC1	7.6022e-03	GGAGCCAG YGAGCAAA	




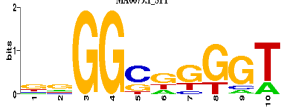
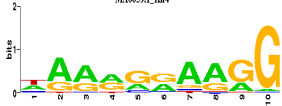


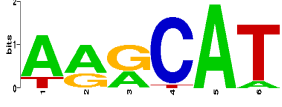
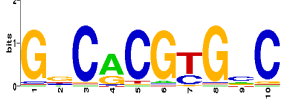
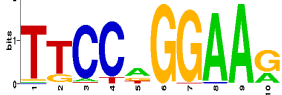
M68



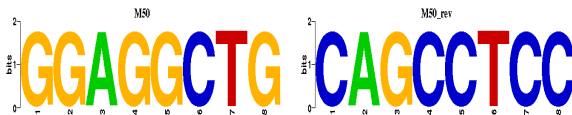
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0340.1_MOT3	3.5987e-04	CAGSCAGC NAGGYA--	
MA0267.1_ACE2	1.7963e-03	-GCTGSCCTG NGCTGGN--	
MA0144.1_Stat3	1.8112e-03	GCTGSCCTG--- -CTTCCNGGAA	
MA0156.1_FEV	2.4082e-03	GCTGSCCTG AYTTCCTG	
MA0055.1_Myf	2.6777e-03	-----GCTGSCCTG CAGCAGYTGCYK-	
MA0402.1_SWI5	5.8499e-03	-GCTGSCCTG TGCTGGTN-	
MA0026.1_Eip74EF	6.6489e-03	GCTGSCCTG -YTTCCGG	
MA0305.1_GCR2	6.7555e-03	CAGSCAGC -NGGAAGC	
MA0080.2_SPI1	8.1615e-03	GCTGSCCTG ACTTCCT-	
MA0092.1_Hand1_T	1.0777e-02	CAGSCAGC-- NWNCCAGAYN	

M71



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0340.1_MOT3	1.2242e-04	CCTGCCT- --TRCCTN	
MA0149.1_EWSR1-FLI1	1.3052e-04	----CCTGCCT----- CCTTCCTTCCTTCCTTCC	
MA0080.2_SPI1	4.6119e-04	CCTGCCT ACTTCCT	
MA0079.1_SP1	1.8744e-03	--CCTGCCT- ACCCNGCCNN	
MA0039.1_Klf4	2.0117e-03	---AGGCAGG NAARRRAAGG	
MA0410.1_UGA3	2.3159e-03	-CCTGCCT TCCCGCCN	
MA0086.1_sna	3.4527e-03	--CCTGCCT CACCTG---	
MA0417.1_YAP5	3.8911e-03	AGGCAGG AAGCAT-	
MA0449.1_h	6.9686e-03	AGGCAGG---- -GNCACGTGNC	
MA0144.1_Stat3	7.7522e-03	CCTGCCT---- -CTCCNGGAA	

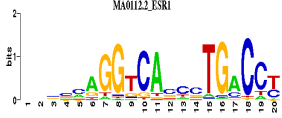
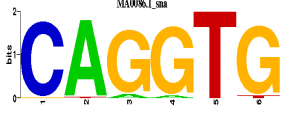

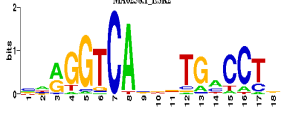

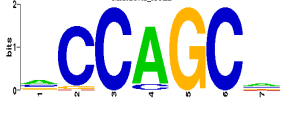




M50



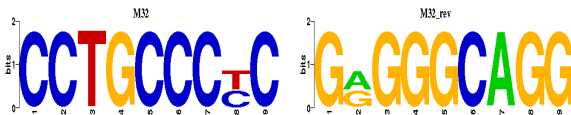
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0412.1_UME6	4.2425e-04	---CAGCCTCC-- AWWTAGCCGCCSA	
MA0079.2_SP1	6.2021e-04	GGAGGCTG-- GGGGNGGGG	
MA0305.1_GCR2	1.3194e-03	-GGAGGCTG NGGAAGC--	
MA0373.1_RPN4	1.8512e-03	CAGCCTCC -CGCCACC	
MA0443.1_btd	2.2619e-03	-CAGCCTCC- YCCGCCMCN	
MA0304.1_GCR1	5.0561e-03	CAGCCTCC- -GGCTTCCA	
MA0285.1_CRZ1	6.8474e-03	GGAGGCTG-- -GNGGCTNNN	
MA0100.1_Myb	1.4175e-02	CAGCCTCC CAACNGYC	
MA0140.1_Tal1_Gata1	1.4857e-02	-----CAGCCTCC----- NTTATCTNNNNNNNCNN	
MA0271.1_ARG80	1.7014e-02	CAGCCTCC -WGACNC-	

M63



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0112.2_ESR1	7.9587e-05	----CAGGCTG----- RGGTCANNNTGACCTNNNNN	
MA0086.1_sna	3.4527e-03	CAGCCTG -CACCTG	
MA0340.1_MOT3	5.2131e-03	CAGCCTG -TRCCTN	
MA0258.1_ESR2	5.5022e-03	----CAGCCTG----- NAGGNCANNNTGACCYN	
MA0364.1_REI1	1.0481e-02	-CAGGCTG NCAGGGG-	
MA0267.1_ACE2	1.0684e-02	CAGGCTG-- --NGCTGGN	
MA0006.1_Arnt_Ahr	1.6938e-02	CAGCCTG -NGCGTG	
MA0402.1_SWI5	2.0287e-02	---CAGCCTG NACCAGCA--	
MA0117.1_Mafb	2.3724e-02	----CAGCCTG NNNTCAGC---	
MA0156.1_FEV	2.4956e-02	CAGGCTG- CAGGAART	

M32



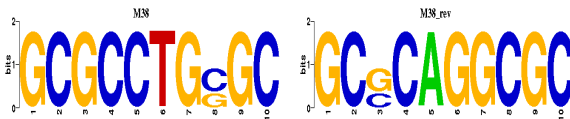
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.5047e-07	GRGGGCAGG- GGGGGNGGGG	
MA0443.1_btd	3.0097e-05	-GRGGGCAGG NGKGGGCGGR	
MA0112.2_ESR1	3.2848e-05	GRGGGCAGG----- -RGGTCANNNTGACCTNNNNN	
MA0140.1_Tal1_Gata1	1.5196e-04	----CCTGCCCYC----- NTTATCTNNNNNNNNNCNN	
MA0139.1_CTCF	4.1091e-04	-CCTGCCCYC----- NNSYGCCMCTRSTGGNNR	
MA0155.1_INSM1	5.6648e-04	CCTGCCCYC----- --YGCCCCCTGRCA	
MA0065.2_PPARG_RXRA	6.1206e-04	----CCTGCCCYC- TGMCTTTGNCCYNN	
MA0123.1_abi4	6.3679e-04	GRGGGCAGG- NGNNGCRSCG	
MA0258.1_ESR2	8.9248e-04	-----CCTGCCCYC- NAGGNCANNNTGACCYNN	
MA0039.1_Klf4	9.9566e-04	CCTGCCCYC- CCTTYYYTNN	

M56



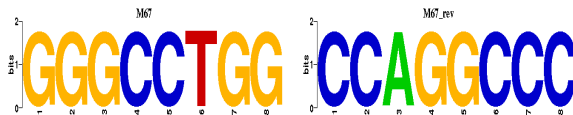
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.2_PPARG_RXRA	7.2745e-06	-----TCTGCCC--- TGMCCTTTGNCCYNN	
MA0140.1_Tal1_Gata1	1.2462e-05	----TCTGCCC----- NTTATCTNNNNNNNNNCNN	
MA0443.1_btd	1.0250e-04	TCTGCCC--- YCCGCCMCN	
MA0123.1_abi4	1.2614e-03	--GGGCAGA- NGNNGCRSCG	
MA0283.1_CHA4	1.9028e-03	--TCTGCCC NCTCCGCC-	
MA0114.1_HNF4A	2.0386e-03	-----TCTGCCC- TGNMCTTTGNNCY	
MA0092.1_Hand1_T	5.2520e-03	-GGGCAGA-- NWNCCAGAYN	
MA0062.1_GABPA	6.0471e-03	-TCTGCCC-- SNCTTCCGGT	
MA0326.1_MAC1	8.1067e-03	-GGGCAGA YGAGCAAA	
MA0405.1_TEA1	9.0260e-03	TCTGCCC-- -NWGYSCGC	

M38



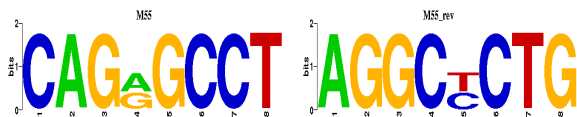
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0162.1_Egr1	1.9830e-04	-GCSCAGGCGC NGCGTGGGCGK	
MA0086.1_sna	5.4992e-04	GCGCCTGSGC -CACCTG---	
MA0048.1_NHLH1	6.1247e-04	GCSCAGGCGC-- NCGCAGCTGCGN	
MA0290.1_DAL81	9.1709e-04	----GCGCCTGSGC---- AATCCCGCCCGCGCTTTT	
MA0213.1_brk	1.5168e-03	-GCGCCTGSGC RGCGCCRS---	
MA0357.1_PHO4	2.6840e-03	GCGCCTGSGC SCACGTGS--	
MA0449.1_h	2.6892e-03	-GCGCCTGSGC GNCACGTGNC-	
MA0344.1_NHP10	3.0823e-03	GCSCAGGCGC TCCCCGGN--	
MA0364.1_REI1	3.8358e-03	GCSCAGGCGC --NCAGGGG-	
MA0146.1_Zfx	6.0111e-03	-GCGCCTGSGC--- NAGGCCNNGGCNNN	


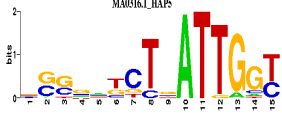



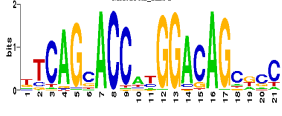
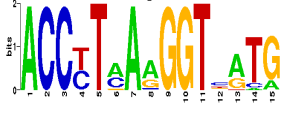



M67



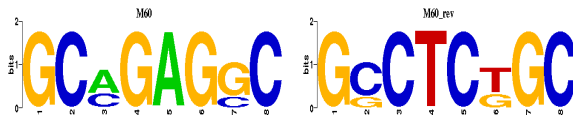
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0450.1_hkb	5.9828e-05	CCAGGCCC- TCACGCCCM	
MA0039.2_Klf4	7.4149e-05	-CCAGGCCC- GCCMCRCCCN	
MA0146.1_Zfx	6.7944e-04	-----CCAGGCCC- NNNGCCNNGCCTN	
MA0344.1_NHP10	3.3990e-03	--CCAGGCCC TCCCCGN--	
MA0106.1_TP53	3.4955e-03	CCAGGCCC----- ACATGCCCGGGCATGTCCNN	
MA0079.2_SP1	3.7105e-03	-GGCCTGG- GGGGNGGGG	
MA0144.1_Stat3	4.4246e-03	GGCCTGG-- CTTCNGGAA	
MA0086.1_sna	6.4886e-03	GGCCTGG -CACCTG-	
MA0381.1_SKN7	6.8876e-03	-GGCCTGG NYGGCC---	
MA0340.1_MOT3	9.4999e-03	GGCCTGG -TRCCTN-	

M55



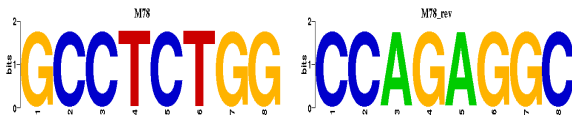
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0364.1_REI1	1.8957e-03	-CAGRGCCT NCAGGGG--	
MA0316.1_HAP5	2.9110e-03	-----CAGRGCCT- ACCAATNAGMNNSSN	
MA0451.1_kni	1.1185e-02	AGGCYCTG---- NTGCTCTANTTT	
MA0366.1_RGM1	1.6244e-02	AGGCYCTG --CCCCT-	
MA0342.1_MSN4	1.7583e-02	AGGCYCTG --CCCCT-	
MA0138.2_REST	2.3714e-02	AGGCYCTG----- -GNNGCTGTCCNNGGTGCTGAN	
MA0440.1_ZAP1	2.6974e-02	CAGRGCCT----- CATNACCTTKARGGT	
MA0341.1_MSN2	2.8669e-02	CAGRGCCT -AGGGG--	
MA0163.1_PLAG1	2.9499e-02	-----CAGRGCCT- CCCCCTTNGGCCCC	
MA0086.1_sna	3.4543e-02	AGGCYCTG --CACCTG	




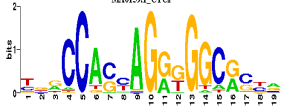
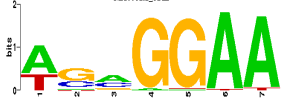
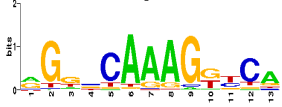
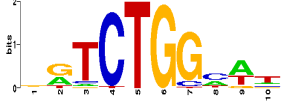


M60



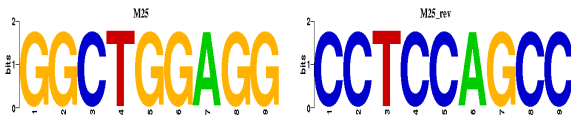
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0146.1_Zfx	2.5065e-05	---GCAGAGGC--- NNNGCCNNGGCCTN	
MA0065.2_PPARG_RXRA	3.8098e-04	--GCCTCTGC----- TGMCCCTTGNCCYNN	
MA0320.1_IME1	5.7414e-04	GCCTCTGC-- --CTCGGCGG	
MA0344.1_NHP10	1.2332e-03	GCCTCTGC TCCCCGGN	
MA0364.1_REI1	3.6099e-03	GCAGAGGC NCAGGGG-	
MA0048.1_NHLH1	5.3466e-03	--GCCTCTGC-- NCGCAGCTGCGN	
MA0150.1_NFE2L2	8.0119e-03	-GCAGAGGC-- TGCTNWGTCAY	
MA0081.1_SPIB	1.0965e-02	-GCCTCTGC TTCKST--	
MA0283.1_CHA4	1.2484e-02	-GCAGAGGC GGCGGAGN-	
MA0278.1_BAS1	1.3593e-02	-----GCCTCTGC----- NNNWNVTGACTCNGGCYNNNN	




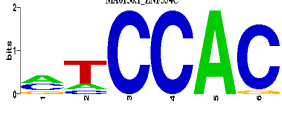


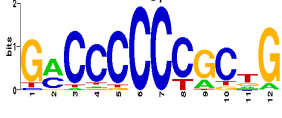


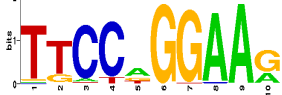
M78



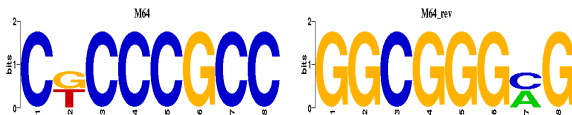
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	1.6557e-04	CCAGAGGC CCACAG--	
MA0278.1_BAS1	2.5724e-04	-----CCAGAGGC----- NNNNRGCCNGAGTCARNWNNN	
MA0370.1_RME1	3.7125e-04	-GCCTCTGG- TNCCTTTNNA	
MA0364.1_REI1	1.0732e-03	CCAGAGGC NCAGGGG-	
MA0139.1_CTCF	2.0332e-03	-----CCAGAGGC----- YNNCCASYAGGKGGCRSNN	
MA0081.1_SPIB	2.0345e-03	-GCCTCTGG TTCKST--	
MA0114.1_HNF4A	2.1191e-03	--GCCTCTGG--- TGNMCTTTGNNCY	
MA0092.1_Hand1_T	2.8354e-03	---CCAGAGGC NWNCCAGAYN-	
MA0335.1_MET4	3.6086e-03	CCAGAGGC CCACAGNT	
MA0091.1_TAL1_TCF3	4.6078e-03	---GCCTCTGG- NNAMCATCTGKT	


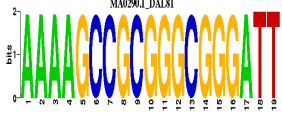
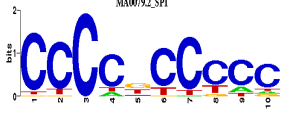
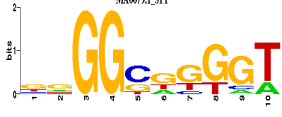

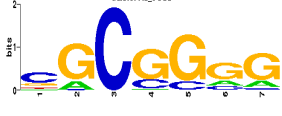




M25



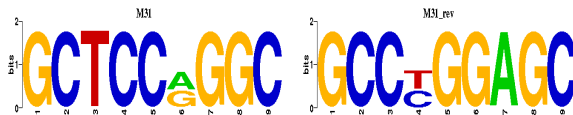
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0410.1_UGA3	1.0711e-04	CCTCCAGCC-- --TCCCGCCN	
MA0267.1_ACE2	3.9729e-04	GGCTGGAGG NGCTGGN--	
MA0402.1_SWI5	1.5039e-03	GGCTGGAGG TGCTGGTN-	
MA0130.1_ZNF354C	1.5817e-03	GGCTGGAGG --GTGGAK-	
MA0155.1_INSM1	5.2335e-03	--CCTCCAGCC- YGCCCCCTGRCA	
MA0290.1_DAL81	7.2422e-03	CCTCCAGCC----- AATCCCGCCCGCGCTTTT	
MA0456.1_opa	9.0588e-03	-GGCTGGAGG-- CNGCGGGGGGK	
MA0304.1_GCR1	1.1322e-02	--CCTCCAGCC GGCTTCCA---	
MA0373.1_RPN4	1.2403e-02	CCTCCAGCC -CGCCACC-	
MA0144.1_Stat3	1.2682e-02	--GGCTGGAGG CTTCNGGAA-	

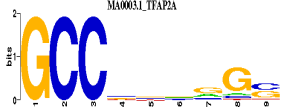
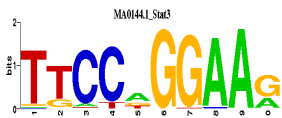




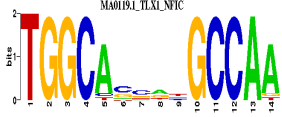


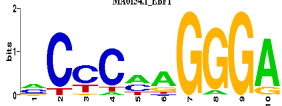
M64



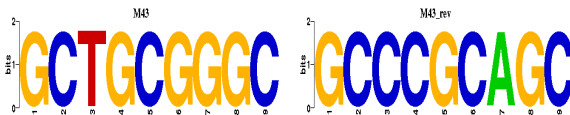
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0410.1_UGA3	7.6224e-08	CKCCCGCC- -TCCCGCCN	
MA0290.1_DAL81	7.3428e-06	-----CKCCCGCC----- AATCCCGCCCCGGGCTTTT	
MA0079.2_SP1	1.1814e-04	---GGCGGGMG GGGGNGGGG-	
MA0079.1_SP1	1.2802e-04	CKCCCGCC-- ACCCNGCCNN	
MA0450.1_hkb	2.7870e-04	--GGCGGGMG KGGGCGTGA-	
MA0399.1_SUT1	3.9985e-04	CKCCCGCC -CCCCGC	
MA0283.1_CHA4	5.2966e-04	CKCCCGCC NCTCCGCC	
MA0338.1_MIG2	6.1358e-04	GGCGGGMG NGYGGG-	
MA0131.1_MIZF	6.1487e-04	GGCGGGMG--- -GCGGACGTTN	
MA0339.1_MIG3	8.0231e-04	GGCGGGMG NGYGGG-	

M31



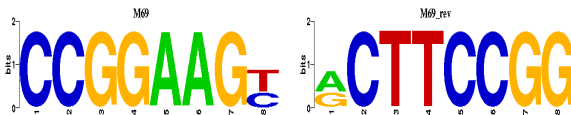
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0003.1_TFAP2A	5.1037e-07	GCTCCRGGC SCNNNNGGC	
MA0144.1_Stat3	2.9232e-04	--GCCYGGAGC CTTCNGGAA--	
MA0213.1_brk	2.9557e-04	-GCTCCRGGC RGCGCCRS--	
MA0323.1_IXR1	4.2488e-04	----GCTCCRGGC-- CMCCGCTTCCGGYTT	
MA0280.1_CAT8	8.1570e-04	GCTCCRGGC -NTCCG--	
MA0275.1_ASG1	9.4397e-04	GCTCCRGGC -WTCCG--	
MA0119.1_TLX1_NFIC	1.6574e-03	---GCCYGGAGC-- TTGGCNNNSTGCCA	
MA0290.1_DAL81	2.9849e-03	-----GCCYGGAGC----- AATCCCGCCCGCGGCTTTT	
MA0451.1_kni	3.0896e-03	--GCTCCRGGC-- NTGCTCTANTTT	
MA0154.1_EBF1	3.6962e-03	-GCCYGGAGC TCCCTNGGGN	







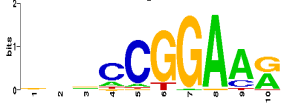



M43



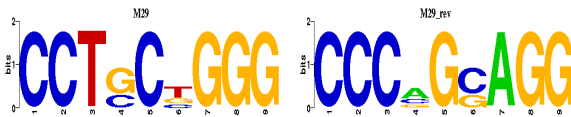
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0290.1_DAL81	1.1249e-07	-----GCCCGCAGC----- AATCCC GCCCGCGGCTTTT	
MA0003.1_TFAP2A	2.9513e-05	GCTGCGGGC SCNNNNGGC	
MA0405.1_TEA1	3.0844e-04	--GCCCGCAGC NWGYSCGC---	
MA0332.1_MET28	3.2861e-04	GCCCGCAGC --CCACAG--	
MA0048.1_NHLH1	3.6966e-04	-----GCTGCGGGC NCGCAGCTGCGN--	
MA0399.1_SUT1	8.6408e-04	GCCCGCAGC CCCCGCG--	
MA0155.1_INSM1	1.1235e-03	-GCCCGCAGC-- YGCCCCCTGRCA	
MA0338.1_MIG2	1.2861e-03	GCTGCGGGC --NGYGGGG	
MA0456.1_opa	1.4596e-03	----GCCCGCAGC GMCCCCCGCNG--	
MA0339.1_MIG3	1.6495e-03	GCTGCGGGC --NGYGGGG	

M69



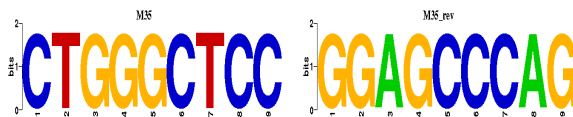
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0076.1_ELK4	3.4450e-13	RCTTCCGG- ACTTCCGGT	
MA0062.2_GABPA	6.3001e-12	---RCTTCCGG NNCACTTCCGG	
MA0026.1_Eip74EF	9.6548e-11	RCTTCCGG -YTTCCGG	
MA0062.1_GABPA	1.0463e-08	-RCTTCCGG- SNCTTCCGGT	
MA0323.1_IXR1	1.4198e-07	----RCTTCCGG--- CMCCGCTTCCGGYTT	
MA0275.1_ASG1	1.9020e-07	RCTTCCGG --WTCCGG	
MA0028.1_ELK1	2.5315e-07	RCTTCCGG--- -YTTCCGGNNN	
MA0156.1_FEV	3.2526e-07	RCTTCCGG AYTTCCTG	
MA0080.2_SPI1	8.8387e-07	RCTTCCGG ACTTCCT-	
MA0311.1_HAL9	7.1367e-06	RCTTCCGG --TTCCG-	

M29



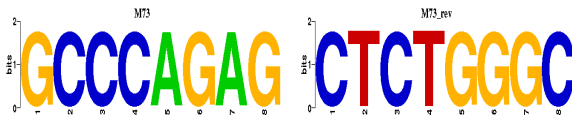
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0402.1_SWI5	2.6093e-05	-CCCNGCAGG NACCAGCA--	
MA0139.1_CTCF	3.3956e-04	--CCCNGCAGG----- YNNCCASYAGGKGGCRSNN	
MA0088.1_znf143	5.4168e-04	-----CCTGCNNGG----- KCNNKGMANNMTGGGANNNN	
MA0267.1_ACE2	1.3215e-03	CCTGCNNGG --NGCTGGN	
MA0144.1_Stat3	1.3729e-03	CCTGCNNGG- CTTCNNGAA	
MA0338.1_MIG2	1.7369e-03	CCTGCNNGG --NGYGGG	
MA0339.1_MIG3	1.9136e-03	CCTGCNNGG --NGYGGG	
MA0337.1_MIG1	2.2760e-03	CCTGCNNGG- ---SYGGGN	
MA0399.1_SUT1	2.6143e-03	CCTGCNNGG --CGCGGG	
MA0456.1_opa	2.7855e-03	-----CCTGCNNGG GMCCCCCGCNG--	

M35



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0163.1_PLAG1	6.9906e-05	-----CTGGGCTCC CCCCCTTNGGCCCC	
MA0116.1_Zfp423	2.1024e-03	-----CTGGGCTCC GNMMCCYTRGGKSC	
MA0368.1_RIM101	2.1210e-03	CTGGGCTCC CTTGGCR--	
MA0260.1_che-1	5.9806e-03	CTGGGCTCC ---GGYTTC	
MA0404.1_TBS1	6.9577e-03	-GGAGCCCAG CGGNTCCG--	
MA0123.1_abi4	7.2628e-03	CTGGGCTCC- NGNNGCRSCG	
MA0320.1_IME1	8.8676e-03	CTGGGCTCC CTCGGCGG-	
MA0304.1_GCR1	1.0279e-02	--GGAGCCCAG TGGAAGCC---	
MA0326.1_MAC1	1.5402e-02	GGAGCCCAG YGAGCAAA-	
MA0162.1_Egr1	1.7670e-02	GGAGCCCAG--- -MCGCCACGCN	

M73



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	1.6557e-04	GCCCAGAG --CCACAG	
MA0083.1_SRF	6.3410e-04	----CTCTGGGC CCATATATGGGC	
MA0368.1_RIM101	1.0523e-03	CTCTGGGC- --CTTGGCR	
MA0362.1_RDS2	1.1680e-03	CTCTGGGC NTCGGGG-	
MA0154.1_EBF1	2.7205e-03	-CTCTGGGC- TCCCTNNGGN	
MA0092.1_Hand1_T	2.8354e-03	-GCCCAGAG- NWNCCAGAYN	
MA0335.1_MET4	3.6086e-03	GCCCAGAG-- --CCACAGNT	
MA0320.1_IME1	4.3535e-03	CTCTGGGC-- --CTCGGCGG	
MA0163.1_PLAG1	5.6435e-03	---CTCTGGGC--- CCCCCTTNGGCCCC	
MA0278.1_BAS1	6.1532e-03	----GCCCAGAG----- NNNNRGCCNGAGTCARNWNNN	

M58



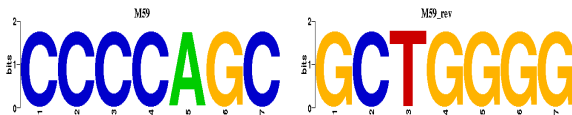
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0088.1_znf143	6.7765e-04	-----CTGGGAG--- KCNNKGMANNMTGGGANNNN	
MA0344.1_NHP10	1.1284e-03	CTCCAG-- -TCCCCGGN	
MA0432.1_YNR063W	1.1767e-03	--CTCCAG ATCTCCGA-	
MA0304.1_GCR1	1.6195e-03	--CTCCAG GGCTTCCA-	
MA0282.1_CEP3	2.7548e-03	CTGGGAG- YTCGGAAN	
MA0056.1_MZF1_1-4	3.5942e-03	CTCCAG -TCCCCN	
MA0193.1_Lag1	3.6554e-03	CTCCAG CYACCAA	
MA0162.1_Egr1	5.0842e-03	-CTCCAG--- MCGCCACGCN	
MA0085.1_Su_H_	5.8979e-03	-----CTCCAG--- NNNNNGKTCCCCACRN	
MA0155.1_INSM1	6.0781e-03	--CTCCAG--- YGCCCCCTGRCA	

M66



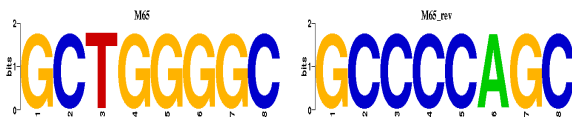
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	7.2292e-09	TCCCAGGC TCCCCGGN	
MA0321.1_INO2	2.3142e-04	GCCTGGGA- GCATGTGAA	
MA0162.1_Egr1	2.7961e-04	-GCCTGGGA-- NGCGTGGGCGK	
MA0322.1_INO4	2.8549e-04	GCCTGGGA- GCATGTGAA	
MA0144.1_Stat3	3.2393e-04	--GCCTGGGA CTTCCNGGAA	
MA0154.1_EBF1	8.4846e-04	-GCCTGGGA- TCCCTNNGGN	
MA0146.1_Zfx	1.1397e-03	---GCCTGGGA--- NAGGCCNNGCENN	
MA0003.1_TFAP2A	1.1649e-03	-TCCCAGGC SCNNNNGGC	
MA0155.1_INSM1	1.6581e-03	---TCCCAGGC- YGCCCCCTGRCA	
MA0358.1_PUT3	3.1219e-03	GCCTGGGA- -CCCGGNN	






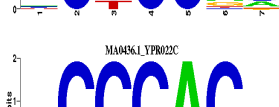

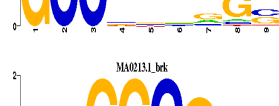
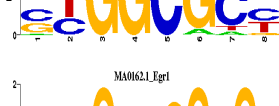

M59



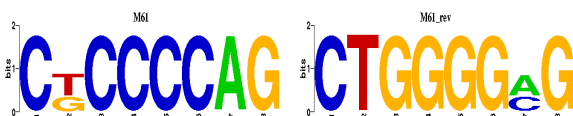
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	2.2659e-06	GCTGGGG- NCCGGGGA	
MA0267.1_ACE2	5.4064e-05	-GCTGGGG NGCTGGN-	
MA0268.1_ADR1	6.6683e-05	GCTGGGG- -KTGGGGA	
MA0332.1_MET28	6.7873e-05	CCCCAGC CCACAG-	
MA0436.1_YPR022C	6.9124e-05	GCTGGGG NGTGGGG	
MA0456.1_opa	1.1042e-04	---CCCCAGC-- GMCCCCCGCNG	
MA0402.1_SWI5	1.2609e-04	CCCCAGC- NACCAGCA	
MA0154.1_EBF1	1.7069e-04	--GCTGGGG- TCCCTNGGGA	
MA0140.1_Tal1_Gata1	2.3989e-04	-----CCCCAGC-- NTTATCTNNNNNNNCNN	
MA0337.1_MIG1	3.8419e-04	GCTGGGG- -SYGGGGA	

M65



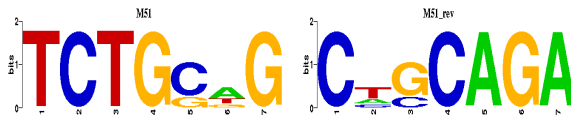
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	1.3504e-05	GCTGGGGC NCCGGGGA	
MA0039.2_Klf4	2.4837e-05	GCCCCAGC-- GCCMCRCCCN	
MA0332.1_MET28	1.6557e-04	GCCCCAGC -CCACAG-	
MA0267.1_ACE2	1.7345e-04	-GCTGGGGC NGCTGGN--	
MA0268.1_ADR1	2.1007e-04	GCTGGGGC -KTGGGGN	
MA0436.1_YPR022C	2.1708e-04	GCTGGGGC NGTGGGG-	
MA0003.1_TFAP2A	2.4741e-04	-GCTGGGGC SCNNNGGC	
MA0213.1_brk	3.0442e-04	-GCCCCAGC RGCGCCRS-	
MA0162.1_Egr1	4.6743e-04	-GCTGGGGC-- NCGTGGGCGK	
MA0402.1_SWI5	4.7987e-04	GCCCCAGC- -NACCAGCA	





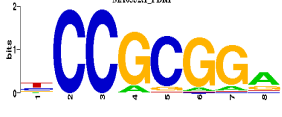





M61



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.9909e-05	CTGGGGMG--- -GGGGNGGGG	
MA0344.1_NHP10	9.2232e-05	-CTGGGGMG NCCGGGGA-	
MA0056.1_MZF1_1-4	1.4356e-04	CKCCCCAG -TCCCCN-	
MA0332.1_MET28	1.6557e-04	CKCCCCAG --CCACAG	
MA0268.1_ADR1	2.1007e-04	CTGGGGMG KTGGGGN-	
MA0436.1_YPR022C	2.1708e-04	-CTGGGGMG NGTGGGG--	
MA0443.1_btd	5.0271e-04	--CKCCCCAG YCCGCCMCN	
MA0450.1_hkb	7.1127e-04	---CKCCCCAG TCACGCCCM--	
MA0154.1_EBF1	8.7127e-04	---CTGGGGMG TCCCTNGGGN-	
MA0337.1_MIG1	1.0349e-03	CTGGGGMG SYGGGGN-	

M51



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0287.1_CUP2	2.3090e-04	----TCTGCNG CWTTTTYGCTG	
MA0055.1_Myf	3.1257e-04	-----TCTGCNG MRGCARCTGCTG	
MA0385.1_SOK2	3.7598e-04	--CNGCAGA-- NNMTGCAKNNN	
MA0353.1_PDR3	3.1458e-03	TCTGCNG- TCCGCGGA	
MA0352.1_PDR1	3.2992e-03	TCTGCNG- TCCGCGGN	
MA0254.1_vv1	3.8502e-03	TCTGCNG TATKCA-	
MA0142.1_Pou5f1	1.0192e-02	-TCTGCNG----- ATTGTCATNACAAG	
MA0143.1_Sox2	1.1475e-02	TCTGCNG----- TNTGTCATNACAAWGG	
MA0244.1_slbo	1.4735e-02	TCTGCNG- TKNGYAAT	
MA0320.1_IME1	1.8275e-02	CNGCAGA- CCGCCGAG	

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