



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

Input file: 58 motifs loaded

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

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

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

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Multiple Alignment

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

```

M0 : -----AAAGAAAAAAAAAAAAAAAAAAAA
M1 : ----TTTTTAAAAA-----
M2 : TGTGTGTGTGTG-----
M3 : -----GGGAGGGAGG-----
M4 : -----AAAGAAAGAAAA-----
M5 : -----AAAAAGAAAAG-----
M6 : -----CCCCAGCCC-----
M7 : ---GGGGCGGGGC-----
M8 : -----AAGGAAAAAAAA-----
M9 : -----GAAGGAAGC-----
M10 : -----CAGAGGCAG-----
M11 : -----AAAAACAAAACAAAA-----
M12 : ----AAACAAACAAA-----
M13 : -----AGGAGGMAG-----
M14 : -----TGGGAAAGA-----
M15 : -----GGGAGGGGGMGGGG-----
M16 : -----AAAACAAAACAAAA-----
M17 : -----AGGAGACAG-----
M18 : -----TATGCAAATG-----
M19 : -----GAGGAAAGA-----
M20 : -----GGGGYGGAG-----
M21 : -----GCGCAKCGC-----
M22 : -----GGAGGAG-----

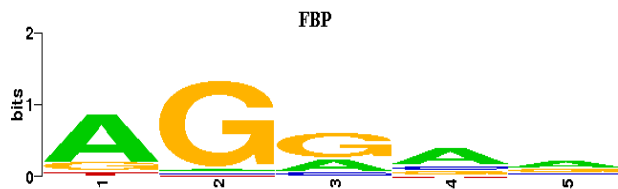
```

Stamp Results

04/30/14

M23: -----CCCAGCCC-----
M24: -----AGAGARAG-----
M25: -----GGGAAGG-----
M26: -----AGAAGAAA-----
M27: -----AGAAAAG-----
M28: -----AGGCAGA-----
M29: -----CAGAGCAG-----
M30: -----GGAGGCTG-----
M31: -----GGGAGAG-----
M32: -----TGCAGRG-----
M33: -----GCCCAGG-----
M34: -----GGCGGCGG-----
M35: -----SCAGGCAG-----
M36: -----AGAAAAAG-----
M37: -----TGGGGAG-----
M38: -----CAGGAAA-----
M39: -----AAATAAAT-----
M40: -----AGGMCAG-----
M41: -----GGGTGTG-----
M42: -----ATTAAAA-----
M43: -----AAATATTT-----
M44: -----SAGAAGCC-----
M45: -----GCCAGAGC-----
M46: -----CTGAGGAA-----
M47: -----GNGCTCAG-----
M48: -----MAAGGAGG-----
M49: -----ACCCAGA-----
M50: -----GCAGGGAC-----
M51: -----CTGAAAGG-----
M52: -----GGGAAAA-----
M53: -----GGCAGAAG-----
M54: -----CAGRGTCC-----
M55: -----CAGGTGAG-----
M56: -----AGAAACTT-----
M57: -----TGTCTGGR-----

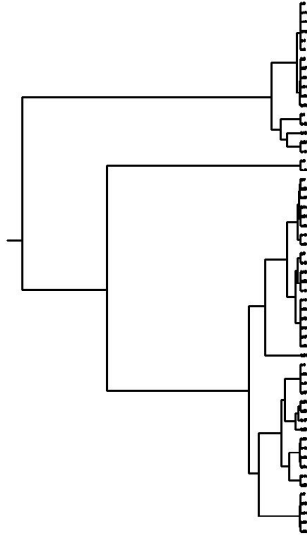
Familial Profile:
[\(click for matrix\)](#)



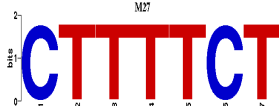




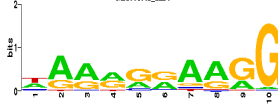



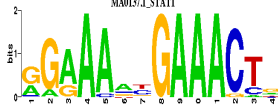






Motif Tree


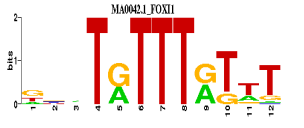

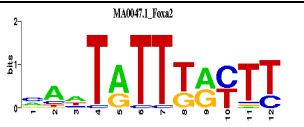

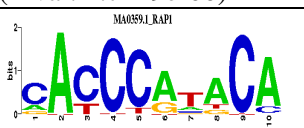

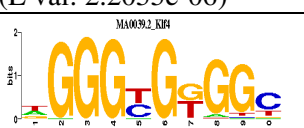

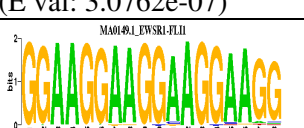




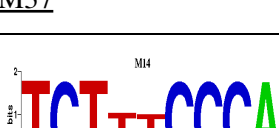

Tree (drawn by **Phylip**)

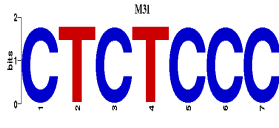

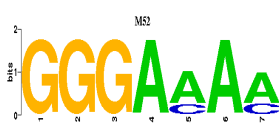
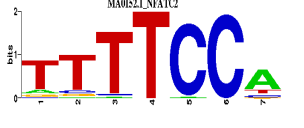
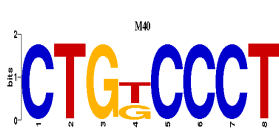
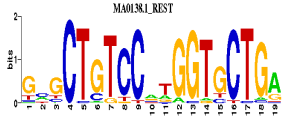
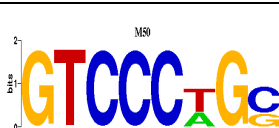
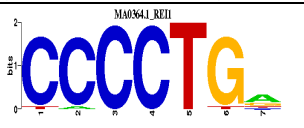

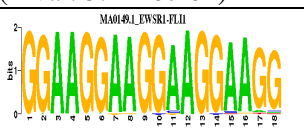

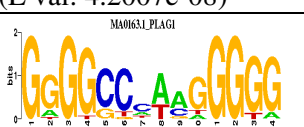
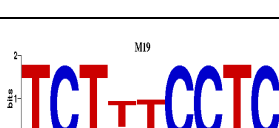
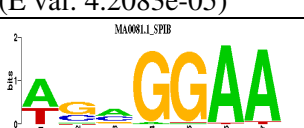


[Click here for Newick-format tree \(viewable with MEGA\)](#)


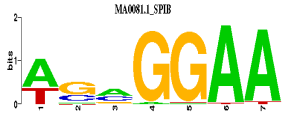
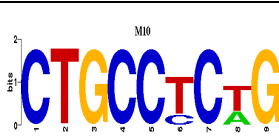
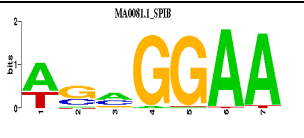
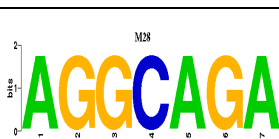



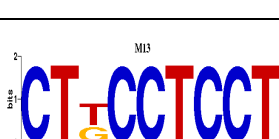
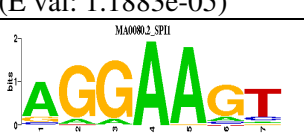
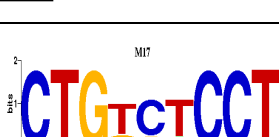
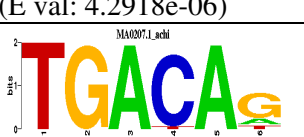

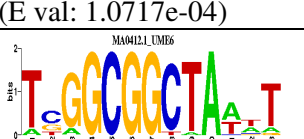





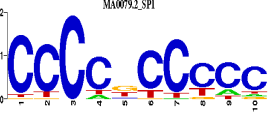

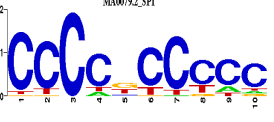



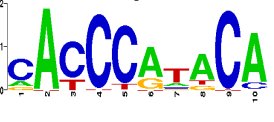








	Input Motif	Best match in JASPAR
M0		MA0277.1_AZF1 (E val: 3.1926e-07)
M11		MA0277.1_AZF1 (E val: 1.1848e-08)
M16		MA0137.1_STAT1 (E val: 8.3183e-06)
M12		MA0041.1_Foxd3 (E val: 3.5723e-12)
M4		MA0277.1_AZF1 (E val: 6.6797e-08)
M8		MA0294.1_EDS1 (E val: 1.7352e-06)
M5		MA0277.1_AZF1 (E val: 9.9920e-15)







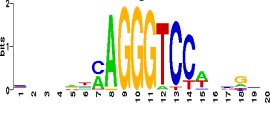




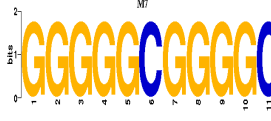
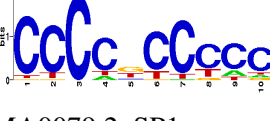
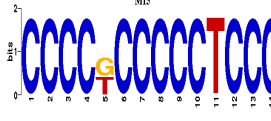
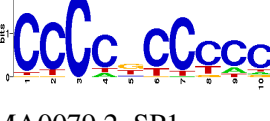
<p>M27</p>  <p><u>M27</u></p>	<p>MA0287.1_CUP2</p>  <p>MA0287.1_CUP2 (E val: 9.4952e-06)</p>
<p>M26</p>  <p><u>M26</u></p>	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 6.6380e-08)</p>
<p>M24</p>  <p><u>M24</u></p>	<p>MA0039.1_Klf4</p>  <p>MA0039.1_Klf4 (E val: 6.6408e-05)</p>
<p>M36</p>  <p><u>M36</u></p>	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 7.6215e-06)</p>
<p>M56</p>  <p><u>M56</u></p>	<p>MA0137.1_STAT1</p>  <p>MA0137.1_STAT1 (E val: 1.9677e-04)</p>
<p>M1</p>  <p><u>M1</u></p>	<p>MA0151.1_ARID3A</p>  <p>MA0151.1_ARID3A (E val: 2.1236e-04)</p>
<p>M42</p>  <p><u>M42</u></p>	<p>MA0151.1_ARID3A</p>  <p>MA0151.1_ARID3A (E val: 2.0353e-08)</p>
<p>M18</p>  <p><u>M18</u></p>	<p>MA0453.1_nub</p>  <p>MA0453.1_nub (E val: 5.4090e-13)</p>

 <p>M39</p>	 <p>MA0042.1_FOXI1 (E val: 2.2417e-07)</p>
 <p>M43</p>	 <p>MA0047.1_Foxa2 (E val: 1.7219e-06)</p>
 <p>M2</p>	 <p>MA0359.1_RAP1 (E val: 2.2055e-06)</p>
 <p>M41</p>	 <p>MA0039.2_Klf4 (E val: 3.0762e-07)</p>
 <p>M3</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 8.4458e-06)</p>
 <p>M25</p>	 <p>MA0039.1_Klf4 (E val: 3.0014e-06)</p>
 <p>M37</p>	 <p>MA0056.1_MZF1_1-4 (E val: 5.0099e-05)</p>
 <p>M14</p>	 <p>MA0152.1_NFATC2 (E val: 1.5446e-05)</p>

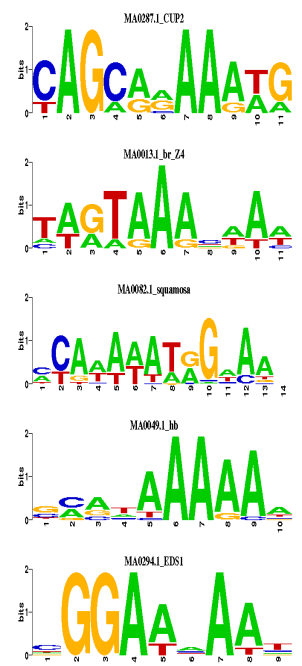
 <p>M31</p>	 <p>MA0062.1_GABPA (E val: 6.2175e-05)</p>
 <p>M52</p>	 <p>MA0152.1_NFATC2 (E val: 8.3784e-08)</p>
 <p>M40</p>	 <p>MA0138.1_REST (E val: 5.8734e-05)</p>
 <p>M50</p>	 <p>MA0364.1_REI1 (E val: 5.1226e-04)</p>
 <p>M9</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 4.2007e-08)</p>
 <p>M48</p>	 <p>MA0163.1_PLAG1 (E val: 4.2083e-05)</p>
 <p>M19</p>	 <p>MA0081.1_SPIB (E val: 2.5108e-05)</p>
 <p>M38</p>	 <p>MA0156.1_FEV (E val: 3.3681e-09)</p>

<p>M46</p> 	<p>MA0081.1_SPIB (E val: 1.2827e-06)</p> 
<p>M10</p> 	<p>MA0081.1_SPIB (E val: 6.4588e-05)</p> 
<p>M28</p> 	<p>MA0340.1_MOT3 (E val: 1.2242e-04)</p> 
<p>M35</p> 	<p>MA0144.1_Stat3 (E val: 1.1883e-05)</p> 
<p>M13</p> 	<p>MA0080.2_SPI1 (E val: 4.2918e-06)</p> 
<p>M17</p> 	<p>MA0207.1_achi (E val: 1.0717e-04)</p> 
<p>M30</p> 	<p>MA0412.1_UME6 (E val: 4.2425e-04)</p> 
<p>M51</p> 	<p>MA0207.1_achi (E val: 1.0246e-04)</p> 

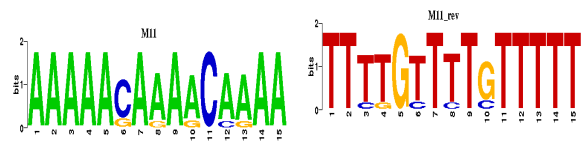
 <p>M6</p>	 <p>MA0079.2_SP1 (E val: 9.5726e-06)</p>
 <p>M23</p>	 <p>MA0079.2_SP1 (E val: 1.3588e-06)</p>
 <p>M49</p>	 <p>MA0359.1_RAP1 (E val: 5.8199e-05)</p>
 <p>M57</p>	 <p>MA0359.1_RAP1 (E val: 3.7812e-06)</p>
 <p>M21</p>	 <p>MA0162.1_Egr1 (E val: 3.1482e-04)</p>
 <p>M33</p>	 <p>MA0162.1_Egr1 (E val: 1.0803e-04)</p>
 <p>M47</p>	 <p>MA0326.1_MAC1 (E val: 2.6636e-03)</p>
 <p>M55</p>	 <p>MA0086.1_sna (E val: 1.0958e-08)</p>

 <p>M29</p>	 <p>MA0451.1_kni (E val: 1.0701e-04)</p>
 <p>M45</p>	<p>MA0278.1_BAS1 (E val: 3.4617e-05)</p>
 <p>M32</p>	 <p>MA0150.1_NFE2L2 (E val: 8.1238e-04)</p>
 <p>M54</p>	 <p>MA0347.1_NRG1 (E val: 3.4213e-07)</p>
 <p>M44</p>	 <p>MA0260.1_che-1 (E val: 5.2181e-07)</p>
 <p>M53</p>	 <p>MA0026.1_Eip74EF (E val: 1.2820e-04)</p>
 <p>M7</p>	 <p>MA0079.2_SP1 (E val: 6.6613e-16)</p>
 <p>M15</p>	 <p>MA0079.2_SP1 (E val: 1.6653e-15)</p>

MA0287.1_CUP2	1.3504e-03	AAAGAAAAAAAAAAAAAAAAAA -CAGCARAAAWG-----
MA0013.1_br_Z4	1.5274e-03	TTTTTTTTTTTTTTTTCTTT -----WTWNTTTACTA-
MA0082.1_squamosa	2.3968e-03	-AAAGAAAAAAAAAAAAAAAAAA M--MCAWAWATRGNAA-----
MA0049.1_hb	3.1070e-03	-TTTTTTTTTTTTTTTTCTTT NTTTTTNYKS-----
MA0294.1_EDS1	3.9328e-03	TTTTTTTTTTTTTTTTCTTT -----NTTNTCCN-

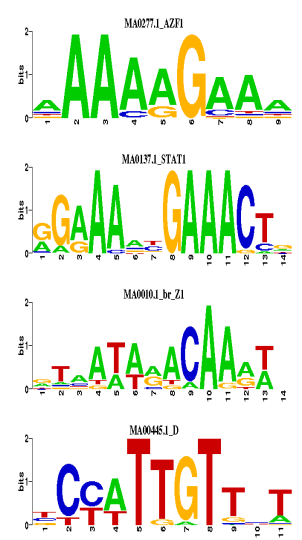


M11

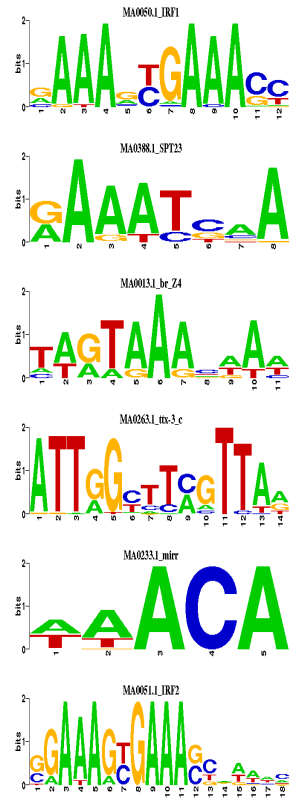


forward *reverse compliment*

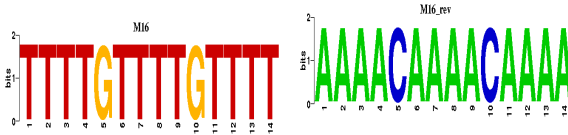
Name	E value	Alignment
MA0277.1_AZF1	1.1848e-08	TTTTGTTTTGTTTT -----TTTCTTTTT
MA0137.1_STAT1	3.4160e-05	TTTTGTTTTGTTTT-- --NAGTTTCNNTTTCY
MA0010.1_br_Z1	1.2579e-04	TTTTGTTTTGTTTT--- ----NWYTTGTYTATNAN
MA00445.1_D	1.4408e-04	AAAAACAAAACAAAA -ANAACAATRGN---



MA0050.1_IRF1	2.0006e-04	TTTTGTTTTGTTTT ---GGTTTCRNNTTN
MA0388.1_SPT23	2.5244e-04	AAAAACAAAACAAAA RAAATSAA-----
MA0013.1_br_Z4	3.0019e-04	TTTTGTTTTGTTTT -WTWNNTTACTA---
MA0263.1_ttx-3_c	5.2817e-04	TTTTGTTTTGTTTT ATTGGYTTMGTTAR-
MA0233.1_mirr	7.6084e-04	TTTTGTTTTGTTTT -----TGTTW--
MA0051.1_IRF2	1.0607e-03	-AAAAACAAAACAAAA-- SGAAAGYGAAASYNWNN



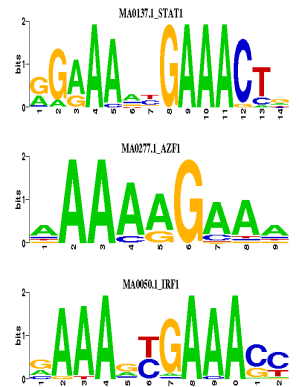
M16



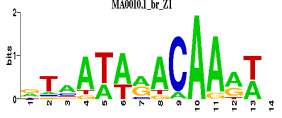

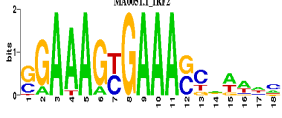




forward

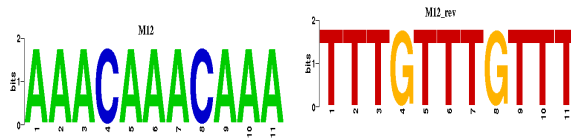
reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
MA0137.1_STAT1	8.3183e-06	TTTTGTTTTGTTTT-- --NAGTTTCNNTTTCY
MA0277.1_AZF1	2.6982e-05	TTTTGTTTTGTTTT -TTTCTTTT-----
MA0050.1_IRF1	1.1847e-04	TTTTGTTTTGTTTT- ---GGTTTCRNNTTN



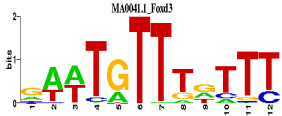

MA00445.1_D	1.5252e-04	AAAACAAAACAAA ANAACAATRGN---	
MA0041.1_Foxd3	2.3817e-04	TTTTGTTTGGTTT NAWTGTTTNTTT--	
MA0010.1_br_Z1	3.0329e-04	-TTTTGTTTGGTTT NWYTTGTYTATNAN-	
MA0013.1_br_Z4	3.3468e-04	TTTTGTTTGGTTT -WTWNTTACTA--	
MA0051.1_IRF2	4.6540e-04	--TTTTGTTTGGTTT-- NNWWRSTTTCRC TTTC	
MA0233.1_mirr	4.7086e-04	TTTTGTTTGGTTT ---TGTTW-----	
MA0263.1_ttx-3_c	8.1111e-04	TTTTGTTTGGTTT ATTGGYTTMGTTAR	

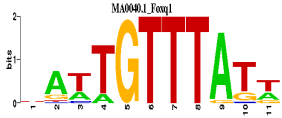
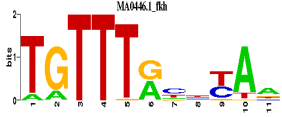
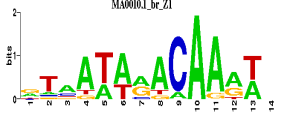





M12



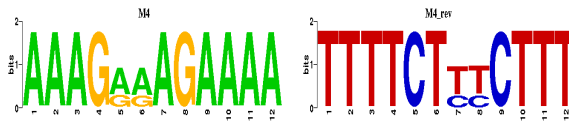
forward

reverse compliment

Name	E value	Alignment	Motif
MA0041.1_Foxd3	3.5723e-12	-TTTGGTTTGGTTT NAWTGTTTNTTT	
MA0042.1_FOXI1	8.7086e-09	-TTTGGTTTGGTTT NNNRITTTRTWT	


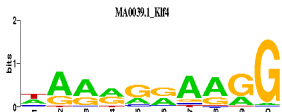
MA0040.1_Foxq1	1.0097e-06	AAACAAACAAA-- -WATAACAATN	
MA0446.1_fkh	1.0865e-06	TTTGTTTGTTT-- --TGTTTRNNYAN	
MA0010.1_br_Z1	1.9431e-06	-AAACAAACAAA-- NTNATARACAARWN	
MA0013.1_br_Z4	4.0077e-06	TTTGTTTGTTT WTWNTTACTA	
MA0047.1_Foxa2	9.5372e-06	AAACAAACAAA-- AARYAAATANTN	
MA0277.1_AZF1	3.7555e-05	TTTGTTTGTTT TTTCTTTTT--	
MA0148.1_FOXA1	5.8159e-05	--AAACAAACAAA NWRWGYYAACA--	
MA0233.1_mirr	2.3264e-04	TTTGTTTGTTT --TGTTW----	

M4



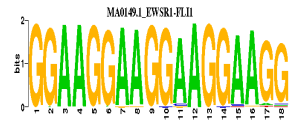
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	6.6797e-08	TTTTCTTTCTTT -TTTCTTTTT--	
MA0039.1_Klf4	4.5432e-06	-AAAGAAAGAAAA NAARRRAAGG---	

MA0149.1_EWSR1-FLI1 4.1197e-05

—AAAGAAAGAAAA-----
GGAAGGAAGGAAGGAAGG



MA0120.1_id1 6.4124e-05

AAAGAAAGAAAA
CGNNANNRRMNA



MA0082.1_squamosa 1.8537e-04

--AAAGAAAGAAAA
MCAWAWATRGNAA



MA0370.1_RME1 5.3713e-04

---AAAGAAAGAAAA
TNNAAAGGNA-----



MA0010.1_br_Z1 5.4842e-04

—AAAGAAAGAAAA—
NTNATARACAARWN



MA0080.2_SPI1 9.0850e-04

TTTTCTTTCTTT
---ACTTCCT--



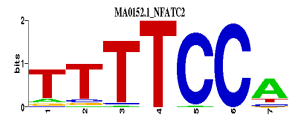
MA0045.1_HMG-I_Y 1.3475e-03

TTTTCTTTCTTT-----
RTTTYKNYNTTNTNN

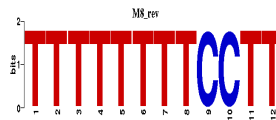


MA0152.1_NFATC2 1.6144e-03

AAAGAAAGAAAA
-----TGAAAA



M8



forward

reverse compliment

Name

E value

Alignment

Motif

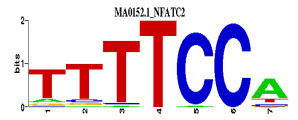
MA0294.1_EDS1 1.7352e-06


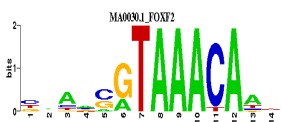
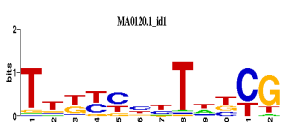


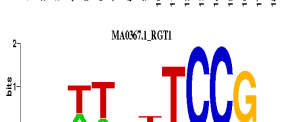


TTTTTTTTCCTT
--NTNTTCN--



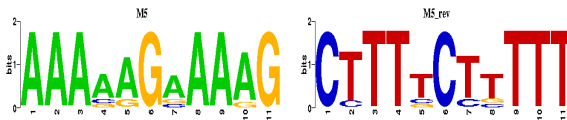
MA0152.1_NFATC2 4.3124e-06

AAGGAAAAAAAAA
-TGAAAA-----




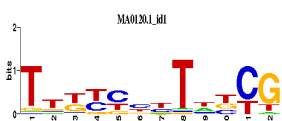
MA0277.1_AZF1	1.0417e-05	TTTTTTTTCCTT TTTCTTTTT---	
MA0030.1_FOXP2	1.7762e-05	TTTTTTTTCCTT-- NNTGTTTACSNNTNN	
MA0120.1_id1	7.9556e-05	----AAGGAAAAAAAA CGNNANNRRMNA----	
MA0022.1_dl_1	1.4568e-04	-TTTTTTTTCCTT SGGTTTTTTCN-	
MA0149.1_EWSR1-FLI1	2.5641e-04	-----AAGGAAAAAAAA GGAAGGAAGGAAGGAAGG	
MA0367.1_RGT1	2.8667e-04	AAGGAAAAAAAA NCGGANNAANN-	
MA0049.1_hb	3.0860e-04	-TTTTTTTTCCTT NTTTTTNYKS---	
MA0013.1_br_Z4	3.1133e-04	TTTTTTTTCCTT -WTWNTTACTA	

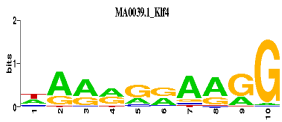
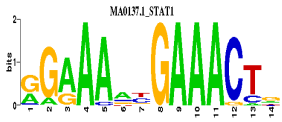



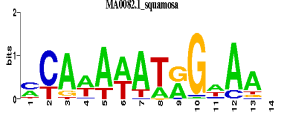
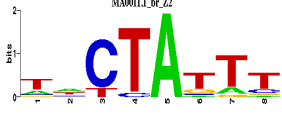

M5



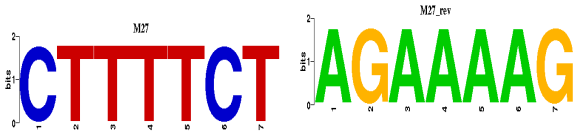
forward

reverse compliment

Name	E value	Alignment	Motif
MA0277.1_AZF1	9.9920e-15	CTTTTCTTTTT --TTTCTTTTT	
MA0120.1_id1	4.4806e-08	--AAAAGAAAAG CGNNANNRRMNA-	


MA0039.1_Klf4	3.3589e-07	AAAAAGAAAAG -NAARRRAAGG	
MA0137.1_STAT1	5.5161e-05	-CTTTTCTTTTT-- NAGTTTCNNTTTCY	
MA0045.1_HMG-I_Y	7.4482e-05	-CTTTTCTTTTT---- RTTYKKNYNTTNTNN	
MA00445.1_D	8.2327e-05	-CTTTTCTTTTT NCYATTGTTNT-	
MA0287.1_CUP2	1.0907e-04	CTTTTCTTTTT CWTTYTGCTG	
MA0082.1_squamosa	2.2879e-04	CTTTTCTTTTT---- -NTTNCYATWTWGK	
MA0011.1_br_Z2	3.3190e-04	AAAAAGAAAAG AAATAGNW---	
MA0459.1_tll	3.6208e-04	CTTTTCTTTTT KTTGACTTTT-	

M27



forward

reverse compliment

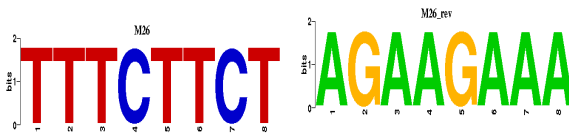
Name	E value	Alignment	Motif
MA0287.1_CUP2	9.4952e-06	----AGAAAAG CAGCARAAWG	

Stamp Results

04/30/14

MA0152.1_NFATC2	5.3914e-05	-AGAAAAG TGGAAA-	
MA0035.2_Gata1	5.6370e-05	--CTTTTCT-- NNNTTATCTNN	
MA0029.1_Evi1	1.9691e-04	-----CTTTTCT- NNTTATCTTRTCTN	
MA0289.1_DAL80	4.5528e-04	CTTTTCT CTTATCG	
MA0039.1_Klf4	5.2681e-04	CTTTTCT--- CCTTYYYTNN	
MA0277.1_AZF1	5.5155e-04	AGAAAAG--- -AAAAAGAAA	
MA0459.1_tll	7.0636e-04	-----CTTTTCT KTTGACTTTT--	
MA0294.1_EDS1	7.1608e-04	-CTTTTCT- NTTNTCCN	
MA0053.1_MNB1A	1.0042e-03	-CTTTTCT NCTTT---	

M26



forward



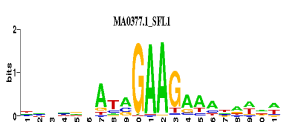
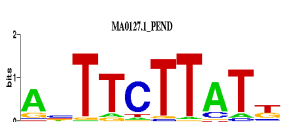




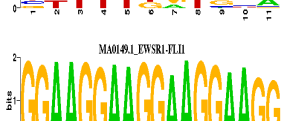

reverse compliment

Name

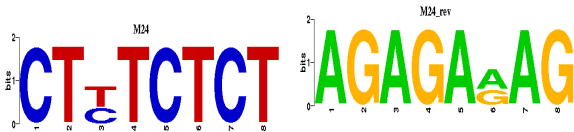
E value

Alignment

Motif

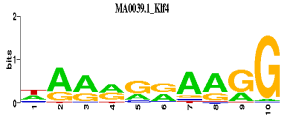


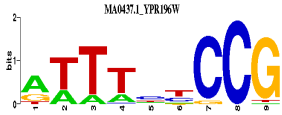
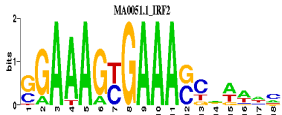
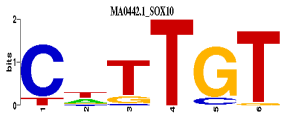




MA0277.1_AZF1	6.6380e-08	TTTCTTCT- TTTCTTTTT	
MA0287.1_CUP2	2.7138e-06	-AGAAGAAA-- CAGCARAAWG	
MA0377.1_SFL1	4.7104e-06	-----TTTCTTCT----- WNWNNNTCTTCNNTNNNNNN	
MA0127.1_PEND	3.7302e-05	-AGAAGAAA- MATAAGAANT	
MA0081.1_SPIB	3.7605e-05	AGAAGAAA ASMGGAA-	
MA0371.1_ROX1	4.8329e-04	-AGAAGAAA--- GAGAACAATNGR	
MA0437.1_YPR196W	7.2957e-04	AGAAGAAA- CGGRNAAAT	
MA00445.1_D	7.8708e-04	AGAAGAAA--- ANAACAATRGN	
MA0149.1_EWSR1-FLI1	1.2595e-03	AGAAGAAA----- GGAAGGAAGGAAGGAAGG	
MA0216.1_cad	1.7935e-03	TTTCTTCT TTTATTR-	

M24

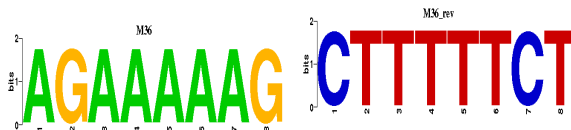


forward

reverse complement



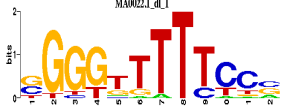
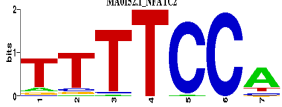
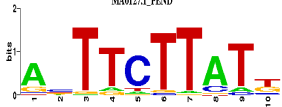
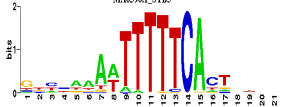
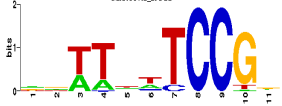


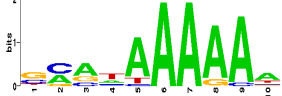
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	6.6408e-05	-AGAGARAG- NAARRRAAGG	
MA0081.1_SPIB	2.9501e-04	CTYTCTCT -TTCKST	
MA0277.1_AZF1	4.8716e-04	CTYTCTCT-- -TTTCTTTT	
MA0437.1_YPR196W	7.4904e-04	-AGAGARAG CGGRNAAAT	
MA0051.1_IRF2	1.2697e-03	-----CTYTCTCT----- NNWWNRSTTTTCRCTTTCS	
MA0442.1_SOX10	2.7958e-03	AGAGARAG --ACAANG	
MA0080.2_SPI1	3.2338e-03	-CTYTCTCT ACTTCT--	
MA0050.1_IRF1	3.6038e-03	---AGAGARAG- NAAANYGAAACC	
MA0053.1_MNB1A	8.4211e-03	-CTYTCTCT NCTTT-----	
MA0064.1_PBF	8.4211e-03	-CTYTCTCT RCTTT-----	

M36

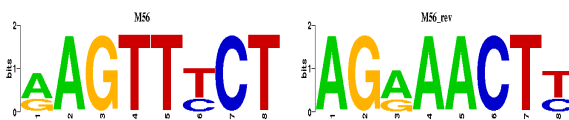


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	7.6215e-06	---CTTTTTCT TTTCTTTTT--	
MA0294.1_EDS1	1.1574e-05	CTTTTTCT- NTTNTTCN	
MA0022.1_dl_1	1.1017e-04	-AGAAAAAG--- NGGAAAAACCCS	
MA0152.1_NFATC2	1.7301e-04	-AGAAAAAG TGAAAA--	
MA0127.1_PEND	2.4416e-04	-AGAAAAAG- MATAAGAANT	
MA0390.1_STB3	4.0762e-04	-----AGAAAAAG----- NNNNANTGAAAAWTNNNNNN	
MA0367.1_RGT1	4.3403e-04	--AGAAAAAG- NCGANNAANN	
MA0371.1_ROX1	4.8329e-04	-AGAAAAAG--- GAGAACAATNGR	
MA0287.1_CUP2	7.5201e-04	-AGAAAAAG-- CAGCARAAWG	
MA0049.1_hb	1.1420e-03	CTTTTTCT-- NTTTTTNYKS	

M56

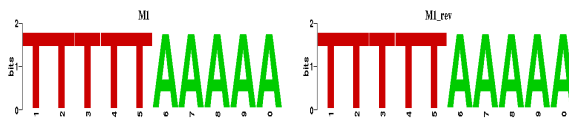



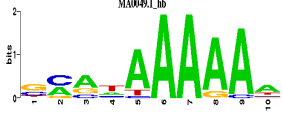
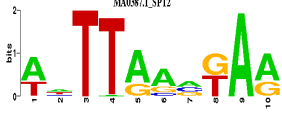
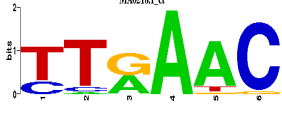
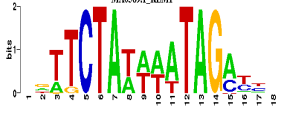



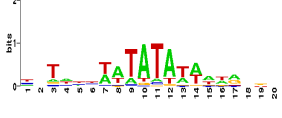
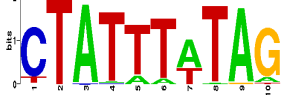
forward

reverse compliment

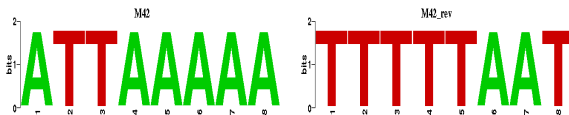
Name	E value	Alignment	Motif
MA0137.1_STAT1	1.9677e-04	AAGTTTCT----- NAGTTTCNNTTTCY	
MA0393.1_STE12	3.0323e-04	AAGTTTCT -YGTTTCA	
MA0080.2_SPI1	3.6154e-04	AAGTTTCT -ACTTCCT	
MA0260.1_che-1	4.4327e-04	AGAAACTT -GAARCC-	
MA0164.1_Nr2e3	3.3455e-03	AGAAACTT- --AAGCTTN	
MA0124.1_NKX3-1	3.5675e-03	-AAGTTTCT TAAGTAT--	
MA0277.1_AZF1	3.9094e-03	AAGTTTCT---- ---TTTCTTTT	
MA0243.1_sd	5.1465e-03	---AGAAACTT- NYNNNRAATKWN	
MA0107.1_RELTA	5.7855e-03	AGAAACTT-- GGAAANTCCC	
MA0156.1_FEV	6.6814e-03	AAGTTTCT- -AYTTCCTG	


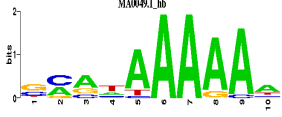

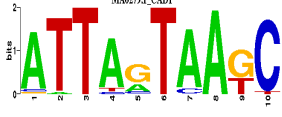






M1



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0151.1_ARID3A	2.1236e-04	TTTTTAAAAA --TTTAAT--	
MA0049.1_hb	3.6750e-04	-TTTTTAAAAA NTTTTTNYKS-	
MA0387.1_SPT2	2.5650e-03	-TTTTTAAAAA TTMNTAANT-	
MA0218.1_ct	2.8959e-03	TTTTTAAAAA -GTTYAA---	
MA0369.1_RLM1	3.2108e-03	-----TTTTTAAAAA- NNRTCTATWWATAGAANN	
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	

M42



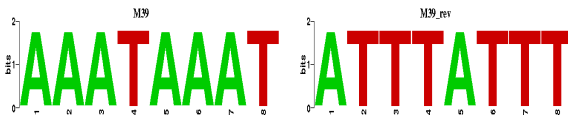
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0151.1_ARID3A	2.0353e-08	TTTTTAAT --TTTAAT	
MA0049.1_hb	2.5553e-05	-TTTTTAAT- NTTTTTNYKS	
MA0244.1_slbo	4.4746e-05	TTTTTAAT TKNGYAAT	
MA0279.1_CAD1	8.1857e-05	--TTTTTAAT GCTTACTAAT	
MA0226.1_hbn	1.6619e-04	--ATTAAAAA YAATTAA---	
MA0166.1_Antp	1.6865e-04	--ATTAAAAA TMATTAA---	
MA0194.1_Lim1	1.7368e-04	--ATTAAAAA TAATTAA---	
MA0225.1_ftz	1.7456e-04	--ATTAAAAA TMATTAA---	
MA0444.1_CG34031	1.7983e-04	--ATTAAAAA CAATTAA---	
MA0192.1_Hmx	1.8200e-04	--ATTAAAAA CAATTAA---	







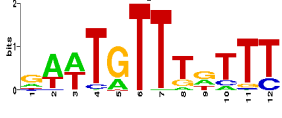
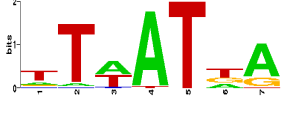


M18



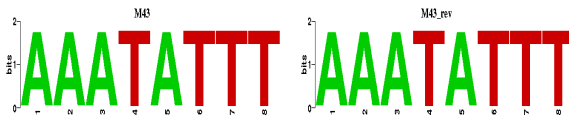
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0453.1_nub	5.4090e-13	--CATTGCATA NTNATTGCATA	
MA0142.1_Pou5f1	8.0394e-11	-----TATGCAAATG CWTGTGNATGCAAAT-	
MA0143.1_Sox2	3.1909e-07	CATTGCATA----- --TNTGCATNACAAWGG	
MA0254.1_vv1	1.4338e-06	CATTGCATA ----TGMATA	
MA0274.1_ARR1	9.4791e-06	TATGCAAATG -ATTCARNT-	
MA0328.1_MATALPHA2	1.3265e-04	CATTGCATA -AATTACATG	
MA0244.1_slbo	2.5016e-04	CATTGCATA --TKNGYAAT	
MA0446.1_fkh	4.2776e-04	CATTGCATA- TGTTRNNYAN	
MA0326.1_MAC1	1.7853e-03	CATTGCATA --TTTGCTCR	
MA0148.1_FOXA1	1.9691e-03	-TATGCAAATG NWRWGYAAACA	




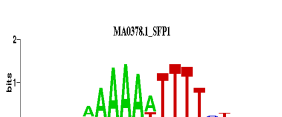

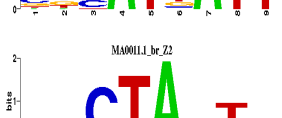


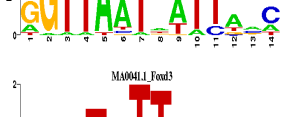

M39



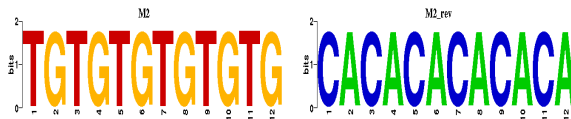
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0042.1_FOXI1	2.2417e-07	AAATAAAT----- AWAYAAAYANNN	
MA0047.1_Foxa2	3.0790e-07	AAATAAAT----- AARYAAATANTN	
MA0216.1_cad	3.1016e-07	AAATAAAT YAATAAA-	
MA0174.1_CG42234	9.8617e-06	AAATAAAT TMATWAA-	
MA0135.1_Lhx3	1.1967e-05	-----ATTTATTT NRWTAATTAATTW	
MA0008.1_HAT5	1.5885e-05	-ATTTATTT NAATTATT-	
MA0041.1_Foxd3	3.2228e-05	-----ATTTATTT NAWTGTTTNTTT	
MA0448.1_H2.0	3.9437e-05	AAATAAAT TNATWAN-	
MA0052.1_MEF2A	4.0139e-05	--ATTTATTT CTATTTATAG	
MA0235.1_oncut	4.1224e-05	ATTTATTT -TTGATTN	

M43



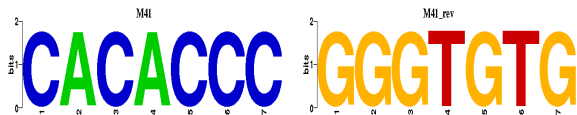
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0047.1_Foxa2	1.7219e-06	AAATATTT---- NANTATTTTRYTT	
MA0153.1_HNF1B	1.8572e-06	---AAATATTT- GTAAWYATTAA	
MA0008.1_HAT5	1.5885e-05	-AAATATTT NAATTATT-	
MA0378.1_SFP1	2.7567e-05	-----AAATATTT----- NNNNRNAAAATTTTYNNNNN	
MA0110.1_ATHB-5	7.8686e-05	AAATATTT-- -AATMATTGN	
MA0011.1_br_Z2	1.4161e-04	AAATATTT AAATAGNW	
MA0398.1_SUM1	3.1785e-04	AAATATTT- NAAAATTWN	
MA0046.1_HNF1A	4.5126e-04	---AAATATTT--- GNTAATNATTAACC	
MA0041.1_Foxd3	7.9077e-04	AAATATTT---- NAWGTTTNTTT	
MA0124.1_NKX3-1	9.0553e-04	AAATATTT- --ATACTTA	

M2



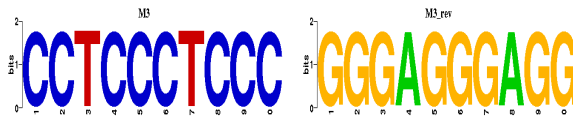
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0359.1_RAP1	2.2055e-06	TGTGTGTGTGTG TGTAITGGGTG--	
MA0073.1_RREB1	1.1533e-03	TGTGTGTGTGTG----- NGKKKGKGGGTGKTTTGGGG	
MA0162.1_Egr1	4.5498e-03	CACACACACACA -MCGCCCACGCN	
MA0041.1_Foxd3	6.7680e-03	CACACACACACA- -AAANAAACAWTN	
MA0343.1_NDT80	6.7761e-03	-----CACACACACACA---- NNNNNNGMCACAAAANCNNNN	
MA0327.1_MATA1	1.0179e-02	--TGTGTGTGTGTG ATTGTGY-----	
MA0068.1_Pax4	1.2538e-02	-----CACACACACACA-- RAAWAWWWNNMNNNNNNNNNNMNNNNNYMC	
MA0042.1_FOXI1	1.5947e-02	CACACACACACA- -AWAYAAAYANNN	
MA0332.1_MET28	2.4648e-02	-CACACACACACA CCACAG-----	
MA0288.1_CUP9	2.4847e-02	--TGTGTGTGTGTG WWTGTGTCA-----	

M41



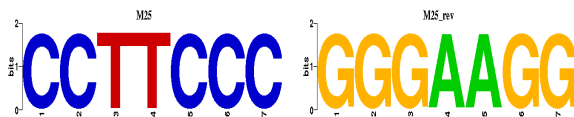
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	3.0762e-07	--CACACCC-- GCCMCRCCTCN	
MA0270.1_AFT2	3.1401e-07	-GGGTGTG NNGGTGTN	
MA0009.1_T	2.6717e-06	--GGGTGTG-- CTAGGTGTGAA	
MA0450.1_hkb	9.2331e-06	-CACACCC- TCACGCCCM	
MA0392.1_STB5	9.9131e-04	-CACACCC TANNCCG	
MA0359.1_RAP1	9.9934e-04	CACACCC----- --CACCCATACA	
MA0073.1_RREB1	2.0884e-03	-----GGGTGTG----- NGKKKGKGGGTGKTTTGGGG	
MA0332.1_MET28	3.3686e-03	-CACACCC CCACAG--	
MA0086.1_sna	3.4644e-03	CACACCC- --CACCTG	
MA0103.1_ZEB1	3.5618e-03	-GGGTGTG NAGGTG--	

M3



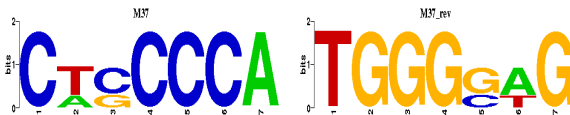
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	8.4458e-06	GGGAGGGAGG----- GGAAGGAAGGAAGGAAGG	
MA0079.2_SPI1	2.9075e-05	--GGGAGGGAGG GGGGNGGGG--	
MA0410.1_UGA3	2.3044e-04	GGGAGGGAGG NGGCGGGA--	
MA0290.1_DAL81	3.3273e-04	CCTCCCTCCC----- AATCCCGCCCGCGCTTTT	
MA0068.1_Pax4	8.4973e-04	-GGGAGGGAGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTTY	
MA0450.1_hkb	1.5940e-03	CCTCCCTCCC- --TCACGCCCM	
MA0323.1_IXR1	1.7612e-03	CCTCCCTCCC----- CMCCGCTTCCGGYTT	
MA0090.1_TEAD1	2.7504e-03	GGGAGGGAGG-- CNSWGGAATGTR	
MA0080.2_SPI1	3.8906e-03	CCTCCCTCCC ACTTCCT---	
MA0366.1_RGM1	4.0551e-03	GGGAGGGAGG ---AGGGG--	

M25



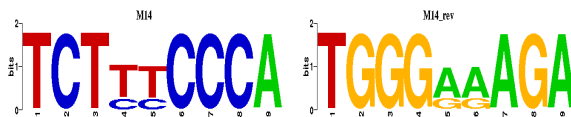
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	3.0014e-06	CCTTCCC--- CCTTYYTNN	
MA0080.1_SPI1	1.6170e-05	CCTTCCC -STTCNN	
MA0149.1_EWSR1-FLI1	1.8672e-05	-----CCTTCCC CCTTCCTTCCTTCTTCC-	
MA0305.1_GCR2	5.2491e-05	CCTTCCC GCTTCNN	
MA0080.2_SPI1	5.7192e-05	CCTTCCC ACTTCCT	
MA0026.1_Eip74EF	9.9006e-05	CCTTCCC- -YTTCGGG	
MA0304.1_GCR1	1.7783e-04	-CCTTCCC GGCTTCCA	
MA0079.2_SPI1	1.9343e-04	-GGGAAGG-- GGGGNGGGG	
MA0076.1_ELK4	5.3623e-04	CCTTCCC-- ACTTCGGT	
MA0062.1_GABPA	6.6516e-04	-CCTTCCC-- SNCTTCGGT	

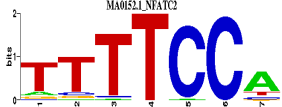


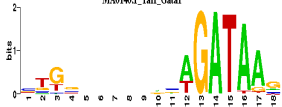
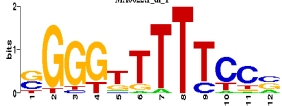
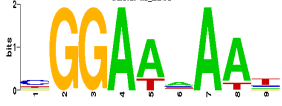

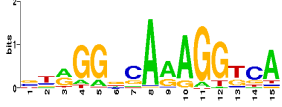


M37



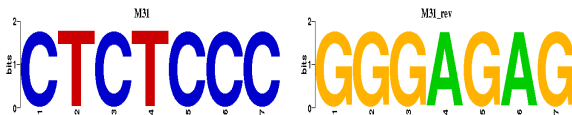
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0056.1_MZF1_1-4	5.0099e-05	CTCCCCA -TCCCCN	
MA0268.1_ADR1	1.7250e-04	-TGGGGAG KTGGGGN-	
MA0436.1_YPR022C	4.2112e-04	--TGGGGAG NGTGGGG--	
MA0344.1_NHP10	8.8086e-04	CTCCCCA-- -TCCCCGNN	
MA0079.2_SP1	1.4293e-03	---CTCCCCA CCCCNCCCCC	
MA0337.1_MIG1	1.8877e-03	-TGGGGAG SYGGGGN-	
MA0366.1_RGM1	1.9530e-03	CTCCCCA --CCCCT	
MA0341.1_MSN2	2.3807e-03	CTCCCCA --CCCCT	
MA0342.1_MSN4	2.4142e-03	TGGGGAG AGGGG--	
MA0140.1_Tal1_Gata1	2.6009e-03	-----CTCCCCA----- NTTATCTNNNNNNNNCNN	




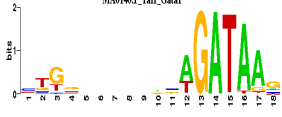
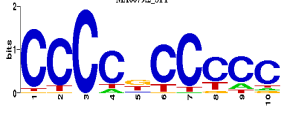
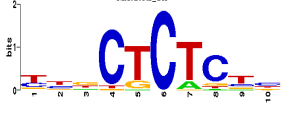
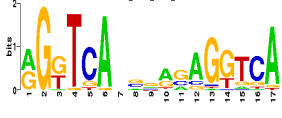


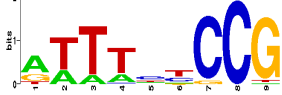
M14



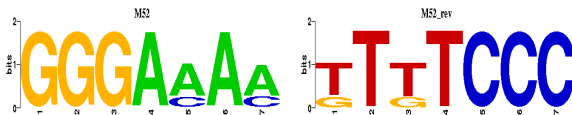
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0152.1_NFATC2	1.5446e-05	TGGGAAAGA TGGAAAA--	
MA0088.1_znf143	1.3579e-04	-----TGGGAAAGA KCNNKGMANNMTGGGANNNN	
MA0085.1_Su_H_	1.9949e-04	----TCTTTCCCA--- NNNNNGKTTCCACRN	
MA0140.1_Tal1_Gata1	4.8872e-04	----TCTTTCCCA----- NTTATCTNNNNNNNNNCNN	
MA0022.1_dl_1	5.5721e-04	TGGGAAAGA---- -NGGAAAAACCCS	
MA0294.1_EDS1	8.2850e-04	TGGGAAAGA- -NGGAANAAN	
MA0438.1_YRM1	2.5068e-03	TGGGAAAGA NCGGANAT-	
MA0065.2_PPARG_RXRA	2.5172e-03	---TGGGAAAGA--- NNRGGNCAAAGGKCA	
MA0105.1_NFKB1	3.9010e-03	TGGGAAAGA--- -GGGGAATCCCC	
MA0311.1_HAL9	4.8218e-03	TCTTTCCCA ---TCCG-	

M31



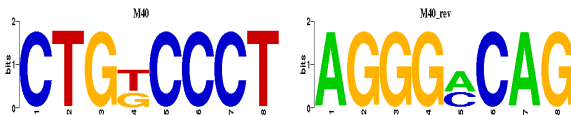
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0062.1_GABPA	6.2175e-05	CTCTCCC--- SNCTTCCGGT	
MA0354.1_PDR8	1.7061e-04	CTCTCCC- ATCTCCGN	
MA0432.1_YNR063W	1.8051e-04	-GGGAGAG TCGGAGAT	
MA0140.1_Tal1_Gata1	2.0182e-04	-----CTCTCCC----- NTTATCTNNNNNNNNNCNN	
MA0079.2_SP1	4.1023e-04	---CTCTCCC CCCCNCCCCC	
MA0205.1_Tr1	8.9097e-04	GGGAGAG--- NNGAGAGNNR	
MA0159.1_RXR_RAR_DR5	1.1956e-03	---CTCTCCC----- TGACCTNYNNNTGAMCY	
MA0312.1_HAP1	1.4319e-03	-CTCTCCC NAWNTCCG	
MA0348.1_OAF1	2.2098e-03	-CTCTCCC- NATCYCCGN	
MA0437.1_YPR196W	2.3186e-03	GGGAGAG-- CGGRNAAAT	

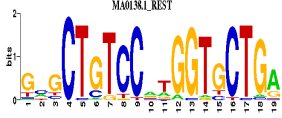

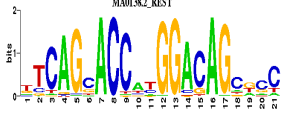




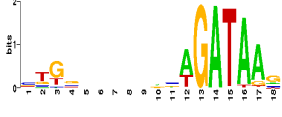


M52



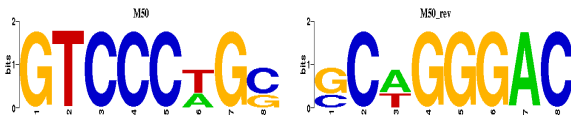
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0152.1_NFATC2	8.3784e-08	GGGAAAA TGGAAAA	
MA0022.1_dl_1	4.3405e-07	GGGAAAA----- NGGAAAAACCCS	
MA0294.1_EDS1	4.3739e-06	--TTTTCCC NTTNTTCN	
MA0421.1_YDR026C	2.4125e-05	TTTTCCC--- TTTACCCGGN	
MA0120.1_id1	5.0901e-05	TTTTCCC----- TNKYNNNTNCG	
MA0137.1_STAT1	7.2135e-05	-----TTTTCCC NAGTTTCNNTTTCY-	
MA0367.1_RGT1	1.6913e-04	-GGGAAAA--- NCGGANNAANN	
MA0023.1_dl_2	2.1705e-04	----TTTTCCC GGGWTTTCC-	
MA0438.1_YRM1	2.5552e-04	TTTTCCC- ATNTCCGN	
MA0085.1_Su_H_	4.1130e-04	----GGGAAAA----- NYGTGGGAAMCNNNNN	



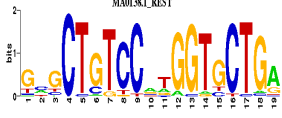
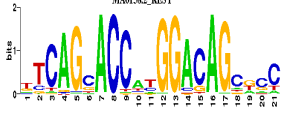


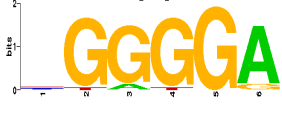


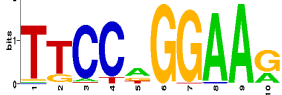
M40



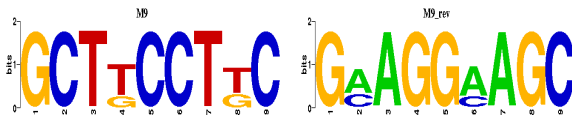
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0138.1_REST	5.8734e-05	-----AGGGMCAG--- TCAGCACCWNGGACAGCNC	
MA0207.1_achi	1.3419e-04	CTGKCCCT CTGTCA--	
MA0138.2_REST	1.4221e-04	----CTGKCCCT----- GNNCTGTCCNNGGTGCTGAN	
MA0227.1_hth	2.9016e-04	CTGKCCCT CTGTCA--	
MA0213.1_brk	9.6952e-04	AGGGMCAG RGCGCCRS	
MA0366.1_RGM1	1.7687e-03	AGGGMCAG AGGGG---	
MA0342.1_MSN4	1.9583e-03	CTGKCCCT ---CCCCT	
MA0140.1_Tal1_Gata1	2.6451e-03	-----CTGKCCCT----- NTTATCTNNNNNNNNNCNN	
MA0341.1_MSN2	3.6912e-03	AGGGMCAG AGGGG---	
MA0381.1_SKN7	3.8176e-03	CTGKCCCT NYGGCC--	







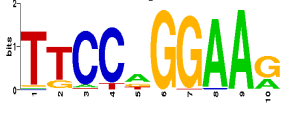

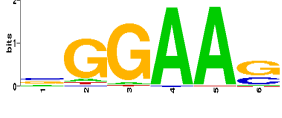
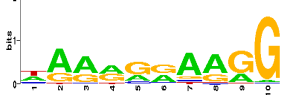
M50



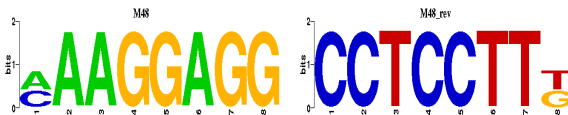
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0364.1_REI1	5.1226e-04	GCAGGGAC NCAGGGG-	
MA0154.1_EBF1	9.3327e-04	GTCCTGC--- -TCCCTNGGGN	
MA0138.1_REST	1.2096e-03	-----GCAGGGAC----- TCAGCACCCWNGGACAGCNC	
MA0138.2_REST	3.1122e-03	-----GCAGGGAC----- NTCAGCACCCNNGGACAGCNNC	
MA0344.1_NHP10	3.1994e-03	GTCCTGC- -TCCCCGGN	
MA0366.1_RGM1	4.9833e-03	GCAGGGAC --AGGGG-	
MA0056.1_MZF1_1-4	6.7345e-03	GTCCTGC -TCCCN-	
MA0342.1_MSN4	7.0856e-03	GTCCTGC -CCCCT--	
MA0155.1_INSM1	8.8000e-03	--GTCCTGC-- YGCCCCCTGRCA	
MA0144.1_Stat3	1.1278e-02	GTCCTGC-- CTTCCNGGAA	

M9



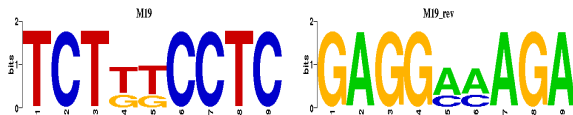
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FL11	4.2007e-08	GCTTCCTTC----- CCTTCCTTCCTTCCTTCC	
MA0305.1_GCR2	1.0095e-06	GAAGGAAGC --NGGAAGC	
MA0080.2_SPI1	1.1536e-06	GCTTCCTTC ACTTCCT--	
MA0304.1_GCR1	8.7272e-06	-GCTTCCTTC GGCTTCCA--	
MA0323.1_IXR1	2.7984e-05	----GCTTCCTTC-- CMCCGCTTCCGGYTT	
MA0156.1_FEV	3.3595e-05	GCTTCCTTC AYTTCCTG-	
MA0144.1_Stat3	1.1979e-04	GCTTCCTTC-- -CTTCCNGGAA	
MA0026.1_Eip74EF	1.3881e-04	GAAGGAAGC -CCGGAAR-	
MA0080.1_SPI1	1.4262e-04	GCTTCCTTC -STTCN--	
MA0039.1_Klf4	2.8224e-04	-GAAGGAAGC NAARRRAAGG	








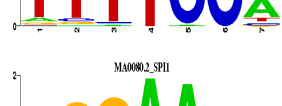


M48



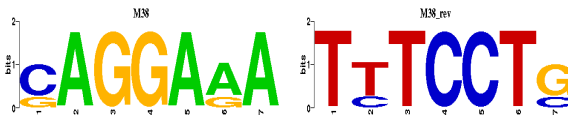
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0163.1_PLAG1	4.2083e-05	-----MAAGGAGG GGGGCCNAAGGGGG	
MA0370.1_RME1	2.1095e-04	---MAAGGAGG TNNAAGGNA-	
MA0039.1_Klf4	2.5602e-04	-MAAGGAGG- NAARRRAAGG	
MA0080.2_SPI1	1.0901e-03	-CCTCCTTK ACTTCCT--	
MA0149.1_EWSR1-FLI1	1.1797e-03	-----CCTCCTTK- CCTTCCTTCCTTCCTTC	
MA0277.1_AZF1	9.0656e-03	CCTCCTTK- TTTCTTTTT	
MA0366.1_RGM1	1.0276e-02	CCTCCTTK -CCCCT--	
MA0342.1_MSN4	1.0580e-02	CCTCCTTK -CCCCT--	
MA0072.1_RORA_2	1.0688e-02	----CCTCCTTK-- NTGACCTANTTWN	
MA0144.1_Stat3	1.1070e-02	CCTCCTTK-- CTTCNGGAA	






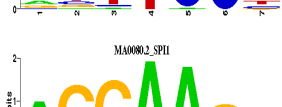

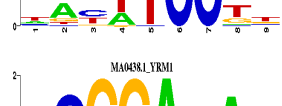


M19



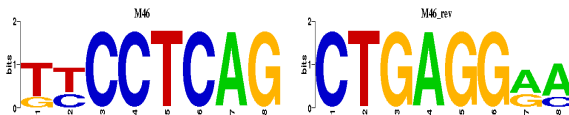
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	2.5108e-05	TCTTTCCTC- ---TTCCKST	
MA0326.1_MAC1	1.4787e-04	TCTTTCCTC- --TTTGCTCR	
MA0149.1_EWSR1-FL11	2.0392e-04	---TCTTTCCTC----- CCTTCCTTCCTTCCTTCC	
MA0090.1_TEAD1	2.4448e-04	--GAGGAAAGA- CNSWGGAATGTR	
MA0156.1_FEV	2.5189e-04	TCTTTCCTC -AYTTCCTG	
MA0294.1_EDS1	1.4739e-03	-TCTTTCCTC NTTNTCCN-	
MA0152.1_NFATC2	1.4976e-03	GAGGAAAGA -TGAAAA-	
MA0080.2_SPI1	1.5424e-03	TCTTTCCTC -ACTTCCT-	
MA0243.1_sd	1.9815e-03	--GAGGAAAGA- NYNNNRAATKWN	
MA0039.1_Klf4	2.7117e-03	-GAGGAAAGA NAARRRAAGG	

M38



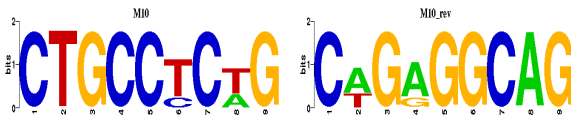
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0156.1_FEV	3.3681e-09	-TTTCCTG AYTTCCTG	
MA0144.1_Stat3	2.8777e-06	TTTCCTG--- CTTCCNGGAA	
MA0081.1_SPIB	1.5432e-05	TTTCCTG- -TTCKST	
MA0026.1_Eip74EF	2.9608e-05	CAGGAAA CCGGAAR	
MA0152.1_NFATC2	7.5724e-05	CAGGAAA- -TGAAAA	
MA0080.2_SPI1	8.5594e-05	-TTTCCTG ACTTCCT-	
MA0136.1_ELF5	1.8427e-04	CAGGAAA-- NMGGAARTN	
MA0438.1_YRM1	2.0998e-04	CAGGAAA- NCGGANAT	
MA0090.1_TEAD1	4.7988e-04	---TTTCCTG-- YACATTCCWSNG	
MA0277.1_AZF1	6.2005e-04	TTTCCTG-- TTTCTTTT	











M46



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	1.2827e-06	TTCCTCAG TTCCKST-	
MA0332.1_MET28	1.6557e-04	TTCCTCAG --CCACAG	
MA0326.1_MAC1	1.8921e-04	CTGAGGAA- -YGAGCAA	
MA0090.1_TEAD1	6.4825e-04	CTGAGGAA---- CNSWGGAAATGTR	
MA0080.2_SPI1	6.8788e-04	--TTCCTCAG ACTTCCT---	
MA0370.1_RME1	2.4929e-03	TTCCTCAG-- TNCCTTTNNA	
MA0156.1_FEV	2.5586e-03	CTGAGGAA-- --CAGGAART	
MA0243.1_sd	3.1621e-03	CTGAGGAA---- NYNNNRAATKWN	
MA0335.1_MET4	3.6086e-03	TTCCTCAG-- --CCACAGNT	
MA0150.1_NFE2L2	7.6049e-03	--CTGAGGAA- TGCTNWTGTCAY	



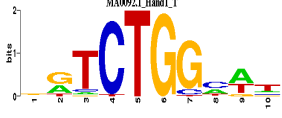

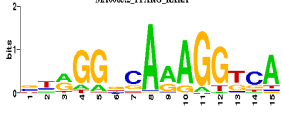
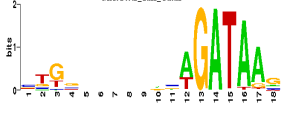
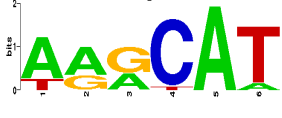

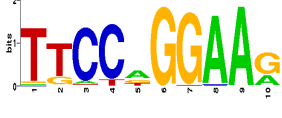

M10



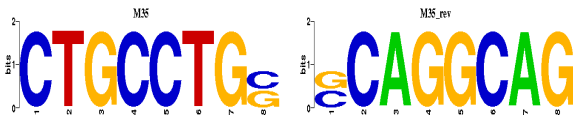
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	6.4588e-05	CTGCCTCTG -TTCKST-	
MA0340.1_MOT3	6.9866e-04	CTGCCTCTG -TRCCN--	
MA0150.1_NFE2L2	9.0588e-04	CTGCCTCTG-- RTGACWNAGCA	
MA0099.2_API	1.0197e-03	CAGAGGCAG -TGAGTCA-	
MA0364.1_REI1	1.1824e-03	-CAGAGGCAG NCAGGGG---	
MA0454.1_odd	1.6616e-03	CTGCCTCTG-- NTGCTACTGTN	
MA0080.2_SPI1	2.4417e-03	-CTGCCTCTG ACTTCCT---	
MA0370.1_RME1	3.1341e-03	CTGCCTCTG-- -TNCCTTTNNA	
MA0271.1_ARG80	4.3345e-03	CTGCCTCTG --GNGTCW-	
MA0123.1_abi4	6.6559e-03	CAGAGGCAG-- -NGNNGCRSCG	

M28



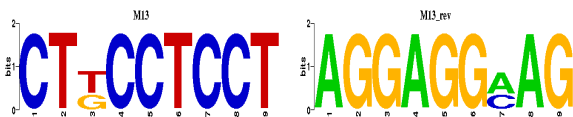
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0340.1_MOT3	1.2242e-04	TCTGCCT- --TRCCTN	
MA0080.2_SPI1	4.6119e-04	TCTGCCT ACTTCCT	
MA0092.1_Hand1_T	1.6161e-03	-AGGCAGA-- NWNCCAGAYN	
MA0283.1_CHA4	1.9028e-03	--TCTGCCT NCTCCGCC-	
MA0065.2_PPARG_RXRA	2.3243e-03	-----TCTGCCT--- TGMCCTTTGNCCYNN	
MA0140.1_Tal1_Gata1	3.1334e-03	----TCTGCCT----- NTTATCTNNNNNNNNCNN	
MA0417.1_YAP5	3.8911e-03	AGGCAGA AAGCAT-	
MA0062.1_GABPA	6.0471e-03	-TCTGCCT-- SNCTTCCGGT	
MA0144.1_Stat3	7.7522e-03	TCTGCCT---- -CTCCNGGAA	
MA0055.1_Myf	1.1315e-02	-----TCTGCCT CAGCAGYTGCYK	

M35



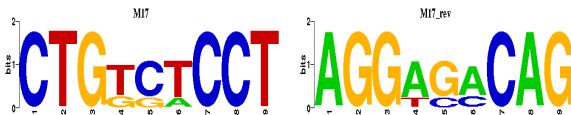
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0144.1_Stat3	1.1883e-05	--SCAGGCAG TTCNNGGAAG	
MA0340.1_MOT3	3.2869e-05	CTGCCTGS -TRCCTN-	
MA0156.1_FEV	3.7452e-04	-CTGCCTGS AYTTCCTG-	
MA0026.1_Eip74EF	1.1590e-03	CTGCCTGS YTCCGG-	
MA0080.2_SPI1	1.2216e-03	-CTGCCTGS ACTTCCT--	
MA0086.1_sna	6.4886e-03	CTGCCTGS -CACCTG-	
MA0417.1_YAP5	7.2481e-03	SCAGGCAG --AAGCAT	
MA0405.1_TEA1	9.5228e-03	CTGCCTGS NWGYSCGC	
MA0155.1_INSM1	9.8203e-03	-----SCAGGCAG YGCCCCCTGRCA-	
MA0106.1_TP53	1.5481e-02	--CTGCCTGS----- ACATGCCCGGCATGTCCNN	

M13



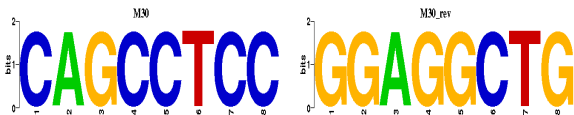
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0080.2_SPI1	4.2918e-06	-CTKCCTCCT ACTTCCT---	
MA0081.1_SPIB	2.6803e-05	CTKCCTCCT -TTCKST-	
MA0090.1_TEAD1	1.2350e-04	---CTKCCTCCT YACATTCCWSNG	
MA0149.1_EWSR1-FLI1	1.9717e-04	-----CTKCCTCCT----- CCTTCCTTCCTTCCTTCC	
MA0080.1_SPI1	4.1697e-04	CTKCCTCCT STTCN---	
MA0156.1_FEV	6.3154e-04	-CTKCCTCCT AYTTCTG--	
MA0079.2_SPI1	6.4531e-04	AGGAGGMAG-- -GGGGNGGGG	
MA0144.1_Stat3	7.0777e-04	CTKCCTCCT- CTTCNGGAA	
MA0136.1_ELF5	1.3650e-03	AGGAGGMAG-- --NMGGAARTN	
MA0305.1_GCR2	1.4803e-03	AGGAGGMAG- ---NGGAAGC	


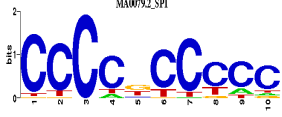
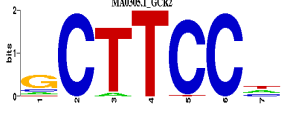



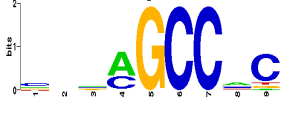

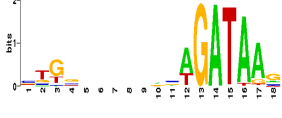

M17



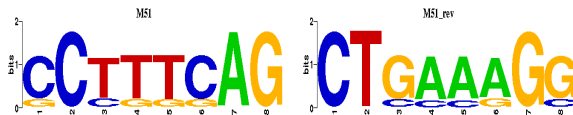
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	1.0717e-04	CTGTCTCCT CTGTCA---	
MA0227.1_hth	2.3290e-04	CTGTCTCCT CTGTCA---	
MA0354.1_PDR8	3.0062e-03	CTGTCTCCT- --ATCTCCGN	
MA0432.1_YNR063W	4.2656e-03	CTGTCTCCT- --ATCTCCGA	
MA0160.1_NR4A2	4.5524e-03	CTGTCTCCT- --GTGACCTT	
MA0213.1_brk	5.0613e-03	AGGAGACAG -RGCGCCRS	
MA0150.1_NFE2L2	9.5333e-03	--CTGTCTCCT TGCTNWTCA	
MA0422.1_YDR520C	1.0118e-02	-AGGAGACAG NCGGANWTAN	
MA0437.1_YPR196W	1.0982e-02	AGGAGACAG CGGRNAAAT	
MA0288.1_CUP9	1.2377e-02	-CTGTCTCCT WWTGTGTCA-	


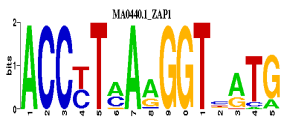



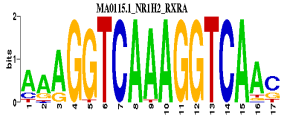
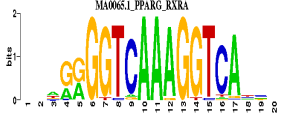
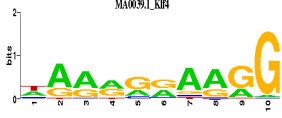


M30



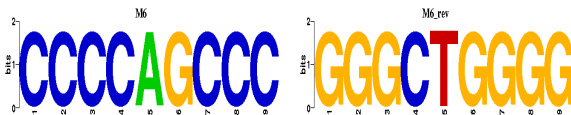
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0412.1_UME6	4.2425e-04	---CAGCCTCC-- AWWTAGCCGCCSA	
MA0079.2_SP1	6.2021e-04	GGAGGCTG-- GGGGNGGGG	
MA0305.1_GCR2	1.3194e-03	-GGAGGCTG NGGAAGC--	
MA0373.1_RPN4	1.8512e-03	CAGCCTCC -CGCCACC	
MA0443.1_btd	2.2619e-03	-CAGCCTCC- YCCGCCCMCN	
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----- NTTATCTNNNNNNNNCNN	
MA0271.1_ARG80	1.7014e-02	CAGCCTCC -WGACNC-	

M51



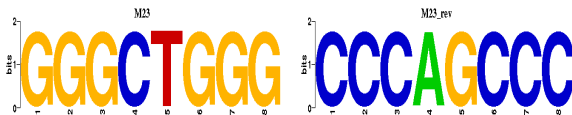
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	1.0246e-04	CCTTTCAG -CTGTCA-	
MA0440.1_ZAP1	1.2816e-04	-----CCTTTCAG-- CATNACCTTKARGGT	
MA0227.1_hth	1.4471e-04	CCTTTCAG -CTGTCA-	
MA0393.1_STE12	3.5927e-04	CCTTTCAG YGTTTCA-	
MA0298.1_FZF1	3.9312e-04	CTGAAAGG -TGATAG-	
MA0115.1_NR1H2_RXRA	7.6421e-04	-----CCTTTCAG----- STTGACCTTTGACCTTT	
MA0065.1_PPARG_RXRA	1.0899e-03	-----CCTTTCAG----- NNNTGACCTTTGACCYCINN	
MA0039.1_Klf4	1.2070e-03	CCTTTCAG-- CCTTYYYYTN	
MA0370.1_RME1	1.3380e-03	--CCTTTCAG TNCCTTTNNA	
MA0053.1_MNB1A	2.4645e-03	CCTTTCAG NCTTT---	

M6



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	9.5726e-06	--GGGCTGGGG GGGGGNGGGG--	
MA0344.1_NHP10	4.6270e-05	GGGCTGGGG-- --NCCGGGGA	
MA0039.2_Klf4	1.0295e-04	-CCCCAGCCC GCCMCRCCCN	
MA0079.1_SP1	2.2123e-04	CCCCAGCCC-- ACCCNGCCNN	
MA0332.1_MET28	3.2861e-04	CCCCAGCCC CCACAG---	
MA0267.1_ACE2	3.9729e-04	GGGCTGGGG -NGCTGGN-	
MA0268.1_ADR1	4.7486e-04	GGGCTGGGG-- ---KTGGGGN	
MA0436.1_YPR022C	4.8959e-04	GGGCTGGGG --NGTGGGG	
MA0155.1_INSM1	9.7570e-04	---CCCCAGCCC YGCCCCCTGRCA	
MA0402.1_SWI5	1.2050e-03	CCCCAGCCC NACCAGCA-	

M23



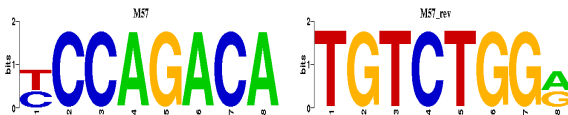
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.3588e-06	--GGGCTGGG GGGGGNGGGG	
MA0039.2_Klf4	4.5481e-05	-CCCAGCCC- GCCMCRCCCN	
MA0079.1_SP1	4.8408e-05	-CCCAGCCC- ACCCNGCCNN	
MA0267.1_ACE2	1.7345e-04	GGGCTGGG -NGCTGGN	
MA0402.1_SWI5	4.7987e-04	-CCCAGCCC NACCAGCA-	
MA0290.1_DAL81	1.5048e-03	--CCCAGCCC----- AATCCCGCCCCGCGGCTTTT	
MA0112.2_ESR1	2.9754e-03	-GGGCTGGG----- RGGTCANNNTGACCTNNNNN	
MA0338.1_MIG2	3.2759e-03	GGGCTGGG -NGYGGGG	
MA0283.1_CHA4	3.2846e-03	-CCCAGCCC NCTCCGCC-	
MA0344.1_NHP10	3.3990e-03	GGGCTGGG-- --NCCGGGGA	

M49



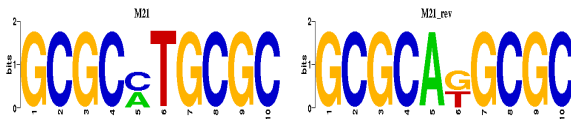
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<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0359.1_RAP1	5.8199e-05	--TCTGGGT-- TGTATGGGTG	
MA0112.2_ESR1	3.7679e-04	-----ACCCAGA----- NNNNNAGGTCANNNTGACCY	
MA0362.1_RDS2	4.3896e-04	-TCTGGGT NTCGGGG-	
MA0092.1_Hand1_T	6.8999e-04	-ACCCAGA-- NWNCCAGAYN	
MA0071.1_RORA_1	2.2476e-03	--ACCCAGA- TGACCTNNWW	
MA0155.1_INSM1	2.3399e-03	---ACCCAGA-- YGCCCCCTGRCA	
MA0079.1_SP1	2.6435e-03	ACCCAGA--- ACCCNGCCNN	
MA0421.1_YDR026C	3.4502e-03	TCTGGGT--- NCCGGGTAAA	
MA0258.1_ESR2	4.0798e-03	-----ACCCAGA----- NAGNCANNNTGACCYNN	
MA0116.1_Zfp423	5.6469e-03	-----TCTGGGT----- GNMMCCYTRGGKKS	

M57



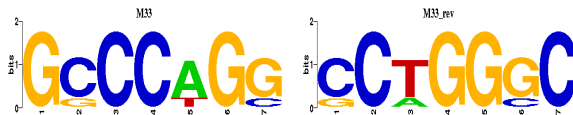
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0359.1_RAP1	3.7812e-06	TGTC TGGR-- TG TATGGGTG	
MA0155.1_INSM1	4.9573e-06	----YCCAGACA YGCCCCCTGRCA	
MA0092.1_Hand1_T	4.9437e-05	--YCCAGACA NWNCCAGAYN	
MA0106.1_TP53	2.0402e-03	-----YCCAGACA----- ACATGCCCGGGCATGTCCNN	
MA0380.1_SIP4	3.7978e-03	TGTC TGGR- --YCCGGAN	
MA0266.1_ABF2	4.4577e-03	TGTC TGGR- --TCTAGAN	
MA0292.1_ECM22	4.6625e-03	TGTC TGGR -NTCCGGA	
MA0252.1_vis	6.3420e-03	-TGTC TGGR NTGTCA---	
MA0207.1_achi	6.3698e-03	-TGTC TGGR CTGTCA---	
MA0144.1_Stat3	6.5266e-03	-TGTC TGGR- CTTCCNGGAA	

M21



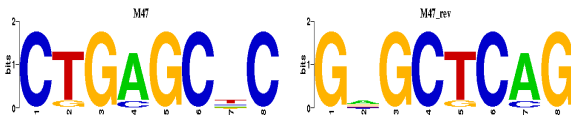
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0162.1_Egr1	3.1482e-04	GCGCMTGCGC- MCGCCCACGCN	
MA0048.1_NHLH1	8.5994e-04	GCGCAKGCGC-- NCGCAGCTGCGN	
MA0290.1_DAL81	1.2501e-03	----GCGCMTGCGC----- AATCCCGCCCCGCGGCTTTT	
MA0086.1_sna	2.9843e-03	GCGCMTGCGC -CACCTG---	
MA0449.1_h	4.0836e-03	-GCGCMTGCGC GNCACGTGNC-	
MA0322.1_INO4	5.2336e-03	-GCGCAKGCGC TTCACATGC--	
MA0213.1_brk	5.4006e-03	-GCGCMTGCGC RGCGCCRS---	
MA0321.1_INO2	6.6052e-03	-GCGCAKGCGC TTCACATGC--	
MA0404.1_TBS1	8.1851e-03	GCGCMTGCGC -CGGANCCG-	
MA0291.1_DAL82	9.4498e-03	GCGCAKGCGC GCGCANWWN-	

M33



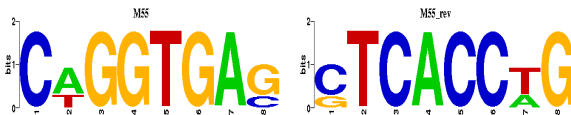
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0162.1_Egr1	1.0803e-04	--GCCCAGG-- MCGCCCACGCN	
MA0163.1_PLAG1	2.0188e-04	----CCTGGGC--- CCCCCTTNGGCC	
MA0154.1_EBF1	3.5850e-04	--CCTGGGC- TCCCTNNGGN	
MA0146.1_Zfx	4.1433e-04	----CCTGGGC--- NAGGCCNNGCENN	
MA0368.1_RIM101	5.4095e-04	CCTGGGC- -CTTGGCR	
MA0116.1_Zfp423	8.4285e-04	----CCTGGGC--- GNMMCCYTRGGKSC	
MA0144.1_Stat3	1.3139e-03	---CCTGGGC CTTCCNGGAA	
MA0003.1_TFAP2A	1.9165e-03	GCCCAGG-- SCNNNNGGC	
MA0320.1_IME1	2.0539e-03	CCTGGGC-- -CTCGGCGG	
MA0344.1_NHP10	2.3524e-03	GCCCAGG- TCCCCGN	

M47



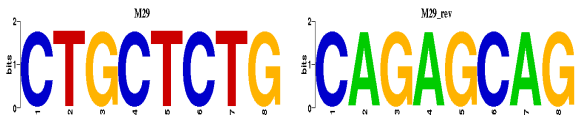
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0326.1_MAC1	2.6636e-03	CTGAGCNC- -YGAGCAAA	
MA0350.1_TOD6	3.1463e-03	-----CTGAGCNC----- NNNNNGCGATGAGSTNNNNNN	
MA0112.2_ESR1	4.0711e-03	-----CTGAGCNC NNNNNAGGTCANNNTGACCY-	
MA0074.1_RXRA_VDR	4.9456e-03	CTGAGCNC----- -TGAACYCNNTGACCC	
MA0159.1_RXR_RAR_DR5	5.0396e-03	CTGAGCNC----- -TGACCTNYNNNTGAMCY	
MA0160.1_NR4A2	7.5851e-03	CTGAGCNC GTGACCTT	
MA0018.2_CREB1	8.4387e-03	-GNGCTCAG TGACGTCA-	
MA0354.1_PDR8	8.5765e-03	GNGCTCAG- -ATCTCCGN	
MA0071.1_RORA_1	1.2139e-02	---GNGCTCAG WWNNAGGTCA-	
MA0150.1_NFE2L2	1.5355e-02	--CTGAGCNC- TGCTNWTGTCAY	

M55



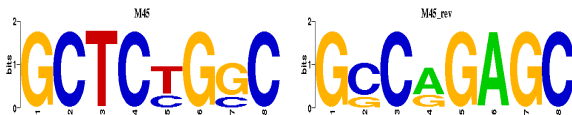
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0086.1_sna	1.0958e-08	CTCACCTG --CACCTG	
MA0409.1_TYE7	4.8714e-06	CAGGTGAG CACGTGA-	
MA0281.1_CBF1	2.8057e-05	-CAGGTGAG NCACGTGA-	
MA0103.1_ZEB1	4.5474e-05	CAGGTGAG NAGGTG--	
MA0322.1_INO4	7.7437e-05	CTCACCTG- TTCACATGC	
MA0321.1_INO2	1.4423e-04	CTCACCTG- TTCACATGC	
MA0104.1_Mycn	3.3040e-04	CAGGTGAG CACGTG--	
MA0004.1_Arnt	4.2020e-04	CAGGTGAG CACGTG--	
MA0009.1_T	4.2872e-04	-CAGGTGAG-- CTAGGTGTGAA	
MA0247.1_tin	6.1878e-04	CAGGTGAG CACTGAR	

M29



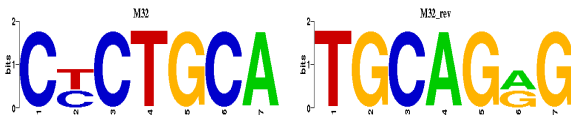
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0451.1_kni	1.0701e-04	CTGCTCTG---- NIGCTCTANTTT	
MA0326.1_MAC1	6.2017e-04	-CTGCTCTG TTTGCTCR-	
MA0276.1_ASH1	3.9871e-03	-CAGAGCAG- CCRNATCRGG	
MA0081.1_SPIB	9.9103e-03	CTGCTCTG TTCCKST-	
MA0316.1_HAP5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

M45



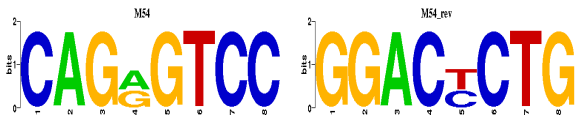
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0278.1_BAS1	3.4617e-05	-----GCTCTGGC----- NNNWNVTGACTCNGGCYNNNN	
MA0092.1_Hand1_T	9.9506e-05	GCTCTGGC-- NRTCCTGGNWN	
MA0451.1_kni	3.5933e-04	--GCTCTGGC-- NIGCTCTANTTT	
MA0332.1_MET28	5.0304e-04	GCCAGAGC -CCACAG-	
MA0283.1_CHA4	5.6254e-04	GCTCTGGC NCTCCGCC	
MA0344.1_NHP10	2.3613e-03	GCTCTGGC TCCCCGGN	
MA0114.1_HNF4A	2.7161e-03	--GCCAGAGC--- RGNNCAAAGKNCA	
MA0334.1_MET32	2.9555e-03	GCTCTGGC- --TGTGGCN	
MA0213.1_brk	3.9192e-03	---GCCAGAGC RGCGCCRS---	
MA0280.1_CAT8	5.4343e-03	GCTCTGGC -NTCCGG-	

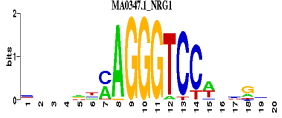
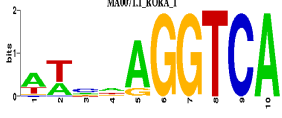


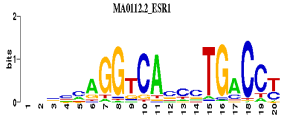
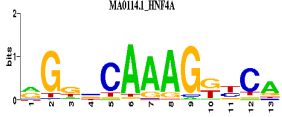



M32



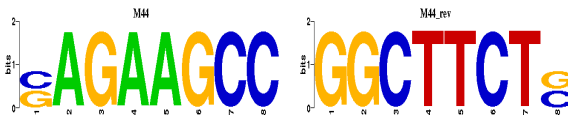
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0150.1_NFE2L2	8.1238e-04	----CYCTGCA RTGACWNAGCA	
MA0364.1_REI1	9.0845e-04	TGCAGRG-- --NCAGGGG	
MA0283.1_CHA4	2.2492e-03	TGCAGRG-- GGCGGAGN	
MA0254.1_vv1	3.2127e-03	CYCTGCA --TATKCA	
MA0413.1_USV1	3.8654e-03	-----TGCAGRG----- NNNNNNTTCAGGGGKANNNN	
MA0385.1_SOK2	4.2113e-03	--CYCTGCA-- NNNMTGCAKNN	
MA0399.1_SUT1	4.8888e-03	TGCAGRG CGCGGGG	
MA0065.2_PPARG_RXRA	5.9469e-03	----CYCTGCA---- TGMCCTTTGNCCYNN	
MA0274.1_ARR1	8.9435e-03	--TGCAGRG ATTCARNT	
MA0402.1_SWI5	9.6189e-03	--CYCTGCA NACCAGCA	

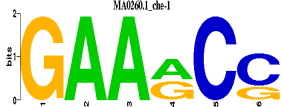



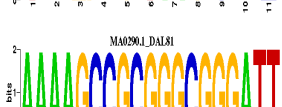
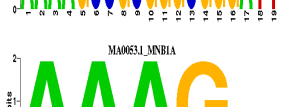


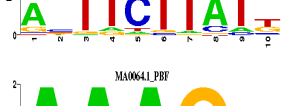

M54



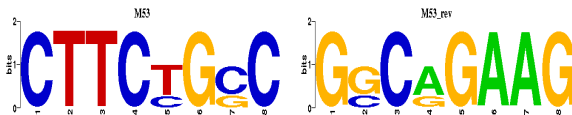
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0347.1_NRG1	3.4213e-07	-----GGACYCTG----- NNNNNWGGACCCTKNNNNNN	
MA0278.1_BAS1	2.6037e-04	-----GGACYCTG----- NNNWNVTGACTCNGGCYNNNN	
MA0071.1_RORA_1	1.3431e-03	GGACYCTG-- TGACCTNNWW	
MA0364.1_REI1	2.2583e-03	-CAGRGTC NCAGGGG--	
MA0141.1_Esrrb	3.0799e-03	----CAGRGTC NNNYCAAGGTCA	
MA0112.2_ESR1	3.1739e-03	----CAGRGTC----- RGGTCANNNTGACCTNNNNN	
MA0114.1_HNF4A	3.3925e-03	-GGACYCTG---- TGNMCTTTGNNCY	
MA0150.1_NFE2L2	3.5042e-03	-GGACYCTG-- RTGACWNAGCA	
MA0272.1_ARG81	3.6701e-03	CAGRGTC-- -NGAGTCAN	
MA0099.2_API	4.2015e-03	CAGRGTC -TGAGTCA	








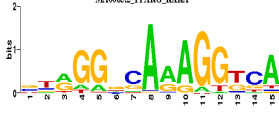


M44



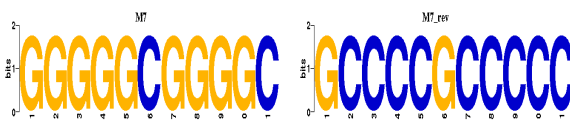
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0260.1_che-1	5.2181e-07	SAGAAGCC --GAARCC	
MA0304.1_GCR1	2.6240e-06	GGCTTCTS GGCTTCCA	
MA0305.1_GCR2	1.7757e-04	GGCTTCTS -GCTTCCN	
MA0454.1_odd	1.1875e-03	-GGCTTCTS-- NTGCTACTGTN	
MA0290.1_DAL81	1.5048e-03	-----GGCTTCTS AATCCCGCCCGCGGCTTTT-	
MA0053.1_MNB1A	2.6348e-03	GGCTTCTS -NCITT--	
MA0263.1_ttx-3_c	3.1817e-03	---GGCTTCTS--- ATTGGYTTMGTTAR	
MA0127.1_PEND	3.4681e-03	---SAGAAGCC MATAAGAANT-	
MA0064.1_PBF	3.5583e-03	GGCTTCTS -RCTTT--	
MA0020.1_Dof2	6.4381e-03	GGCTTCTS NGCTTT--	

M53



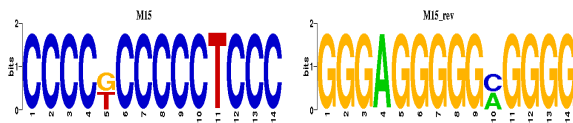
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0026.1_Eip74EF	1.2820e-04	CTTCTGCC YTTCGG-	
MA0323.1_IXR1	1.7276e-04	-----CTTCTGCC-- CMCCGCTTCCGGYTT	
MA0287.1_CUP2	6.5983e-04	--CTTCTGCC- CWTTYTGCTG	
MA0062.2_GABPA	6.8075e-04	----CTTCTGCC NNCACTTCCGG-	
MA0062.1_GABPA	7.3416e-04	--CTTCTGCC SNCTTCCGGT	
MA0076.1_ELK4	8.0127e-04	-CTTCTGCC ACTTCCGGT	
MA0360.1_RDR1	8.0275e-04	CTTCTGCC NTTCCGCN	
MA0065.2_PPARG_RXRA	1.2431e-03	---CTTCTGCC--- TGMCCTTTGNCCYNN	
MA0283.1_CHA4	1.3552e-03	CTTCTGCC NCTCCGCC	
MA0311.1_HAL9	3.2942e-03	CTTCTGCC -TTCCG--	

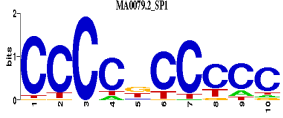
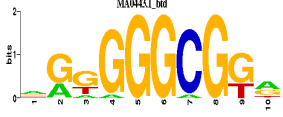
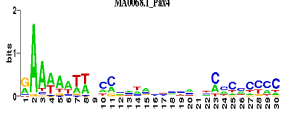





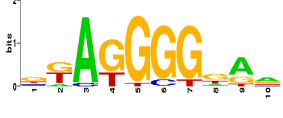
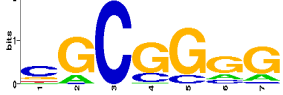
M7



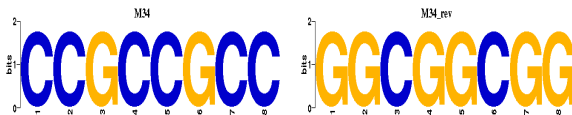
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	6.6613e-16	GGGGGCGGGGC GGGGNGGGG-	
MA0039.2_Klf4	7.1120e-10	GCCCCGCCCC GCCMCRCCCN-	
MA0443.1_btd	2.9672e-09	GCCCCGCCCC- --YCCGCCCMCN	
MA0450.1_hkb	7.2772e-06	GCCCCGCCCC -TCACGCCCM-	
MA0399.1_SUT1	7.9942e-06	GCCCCGCCCC -CCCCGCG---	
MA0290.1_DAL81	1.1378e-05	-GCCCCGCCCC----- AATCCCGCCCCGCGCTTTT	
MA0338.1_MIG2	1.1467e-05	GGGGGCGGGGC ---NGYGGG-	
MA0373.1_RPN4	1.4600e-05	GCCCCGCCCC ----CGCCACC	
MA0339.1_MIG3	1.6021e-05	GGGGGCGGGGC ---NGYGGG-	
MA0323.1_IXR1	2.0196e-05	GCCCCGCCCC----- -CMCCGCTTCCGGYTT	

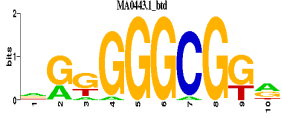
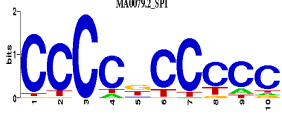


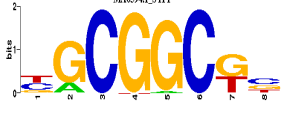
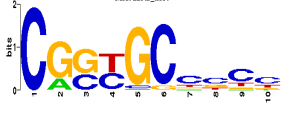



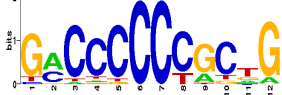
M15



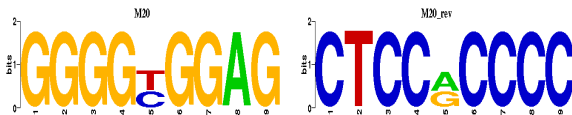
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.6653e-15	GGGAGGGGGMGGGG ----GGGGGNGGGG	
MA0443.1_btd	4.1742e-07	CCCCKCCCCCTCCC -YCCGCCCMCN---	
MA0068.1_Pax4	1.2141e-05	GGGAGGGGGMGGGG----- -GKRNNNNKNNNNNNNNNNKNNWWWTWT TY	
MA0366.1_RGM1	2.2577e-05	CCCCKCCCCCTCCC -----CCCCT---	
MA0342.1_MSN4	2.3691e-05	GGGAGGGGGMGGGG ---AGGGG-----	
MA0341.1_MSN2	5.7130e-05	GGGAGGGGGMGGGG ---AGGGG-----	
MA0039.2_Klf4	9.7719e-05	-CCCCKCCCCCTCCC GCCMCRCCCN-----	
MA0155.1_INSM1	1.4565e-04	CCCCKCCCCCTCCC- ---YGCCCCCTGRCA	
MA0057.1_MZF1_5-13	1.7025e-04	CCCCKCCCCCTCCC ---NTNCCCCTMN-	
MA0399.1_SUT1	2.5076e-04	GGGAGGGGGMGGGG -----CGCGGG	

M34



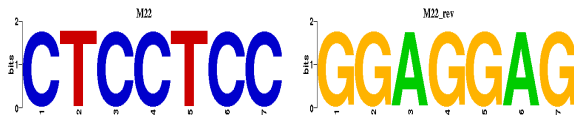
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0443.1_btd	1.9263e-06	-CCGCCGCC- YCCGCCCMCN	
MA0079.2_SP1	2.3938e-06	GGCGGCGG-- GGGGNGGGG	
MA0320.1_IME1	2.5413e-06	GGCGGCGG CTCGGCGG	
MA0373.1_RPN4	4.7858e-06	CCGCCGCC -CGCCACC	
MA0394.1_STP1	9.0191e-06	CCGCCGCC NMGCCGR	
MA0123.1_abi4	4.2586e-05	---GGCGGCGG NGNNGCRSCG-	
MA0283.1_CHA4	5.3113e-05	GGCGGCGG GGCGGAGN	
MA0412.1_UME6	6.7815e-05	---CCGCCGCC-- AWWTAGCCGCCSA	
MA0213.1_brk	6.9814e-05	GGCGGCGG RGCGRS	
MA0456.1_opa	4.7651e-04	---CCGCCGCC- GMCCCCCGCNG	



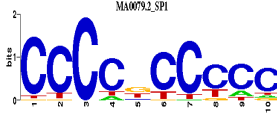

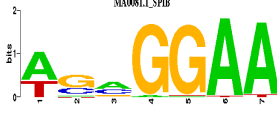
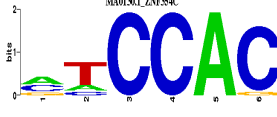




M20



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0443.1_btd	7.6527e-08	CTCCRCCCC-- -YCCGCCCMCN	
MA0283.1_CHA4	4.5869e-07	-CTCCRCCCC NCTCCGCC--	
MA0079.2_SP1	2.6050e-06	-GGGGYGGAG GGGGNGGGG	
MA0039.2_Klf4	1.0270e-05	-CTCCRCCCC GCCMCRCN	
MA0130.1_ZNF354C	2.8736e-05	GGGGYGGAG ---GTGGAK	
MA0373.1_RPN4	1.1730e-04	GGGGYGGAG --GGTGGCG	
MA0123.1_abi4	2.3948e-04	-GGGGYGGAG NGNNGCRSCG	
MA0068.1_Pax4	8.9948e-04	-----GGGGYGGAG----- GKRNNNNKNNNNNNNNNNNNKNNWWWWTWTYY	
MA0450.1_hkb	1.2830e-03	CTCCRCCCC TCACGCCCM	
MA0339.1_MIG3	2.1655e-03	GGGGYGGAG --NGYGGG	

M22



	<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	

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