



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

Input file: 63 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 :                AAAAAAAAAAAAAAAAAA-----
M1 :                -----GGGGGGGGGGGG
M2 :                ----CACACACACACA-----
M3 :                -----TTTTTAAAAA-----
M4 :                ----GGGGGAGGGAGGGGG-----
M5 :                -----GGAGGGAGG-----
M6 :                -----TTCCAGGAA-----
M7 :                -----GGGGGAGGGGM-----
M8 :                ---CCCCACCCCCACCCC-----
M9 :                -----CAGCAGCAG-----
M10 :               -----AGAAAGAAA-----
M11 :               -----GGGGAGGAGG-----
M12 :               -----AGAAAAGAA-----
M13 :               -----AGGAAGGAAG-----
M14 :               -----CAGAGGCAG-----
M15 :               ---CCCCACCCCCA-----
M16 :               -----AGAAGGMAG-----
M17 :               -----AAACAAACAAA-----
M18 :               -AAAAAACAAAACAAAA-----
M19 :               -----AGGAAGCAG-----
M20 :               -----AGGAGACAG-----
M21 :               -----GGGGAGGGGGAGGGG-----
M22 :               -----GGAGGAG-----

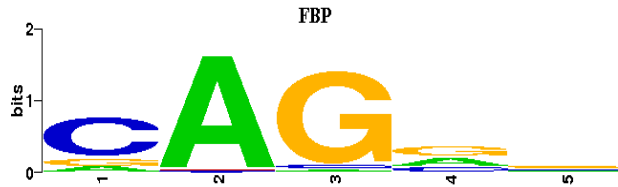
```

Stamp Results

04/30/14

M23: -----CCCAGCC-----
M24: -----YTCCCAG-----
M25: -----AGGAAGG-----
M26: -----AGAGARAG-----
M27: -----GGCAGAG-----
M28: -----GGGAAGGG-----
M29: -----AGAGAGAG-----
M30: -----GGGGCAG-----
M31: -----GGCAGAG-----
M32: -----CAGAGNA-----
M33: -----CAGRGCTG-----
M34: -----CAGCCTCC-----
M35: -----GCAGCAG-----
M36: -----AGAAGAAA-----
M37: -----CAGGCTG-----
M38: -----CCAGRGC-----
M39: -----GAGCAGN-----
M40: -----CAGGCAG-----
M41: -----TCCCAGA-----
M42: -----AGCCACAG-----
M43: -----CAGCTCCT-----
M44: -----CTCCAGG-----
M45: -----AGGAGAGA-----
M46: -----CAGAGGGA-----
M47: -----CAGGGACA-----
M48: -----CACACCC-----
M49: -----GAGGCCA-----
M50: -----GAGGAAGA-----
M51: -----AAAACAGA-----
M52: -----CAGRAGCC-----
M53: -----CAGGAGAG-----
M54: -----CAGGCCTG-----
M55: -----TGGCAGC-----
M56: -----CTCAGCT-----
M57: -----CCTCAGCT-----
M58: -----RGCAGCCT-----
M59: -----AATTAAAA-----
M60: -----AAGCAGCT-----
M61: -----AGCAAAGA-----
M62: -----TGGCAGCT-----

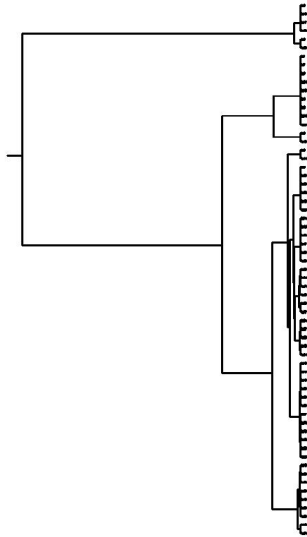
Familial Profile:
[\(click for matrix\)](#)



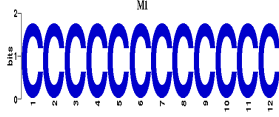
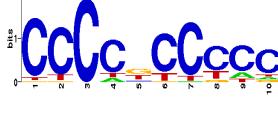

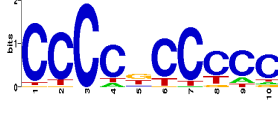
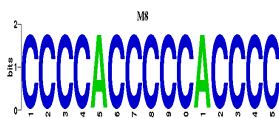
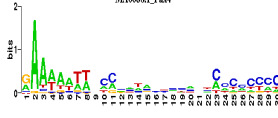
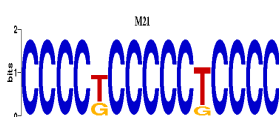
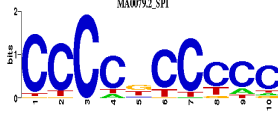


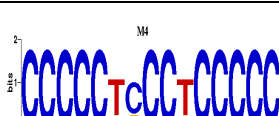
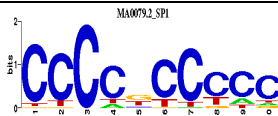
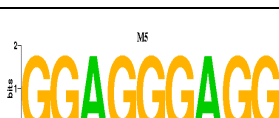
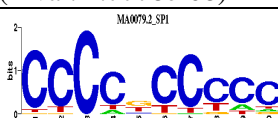


Motif Tree

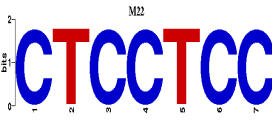


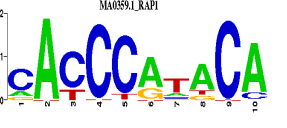


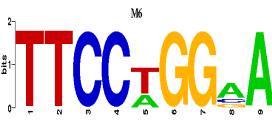
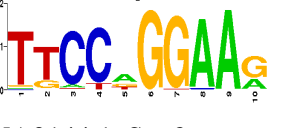
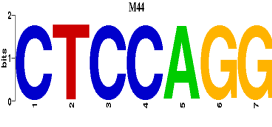
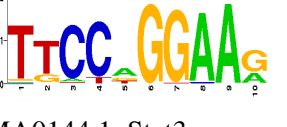



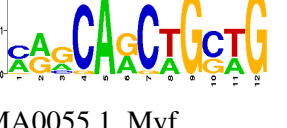


Tree (drawn by **Phylip**)






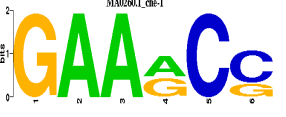
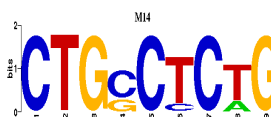
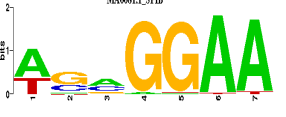

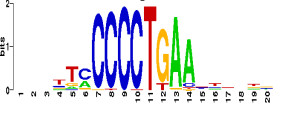
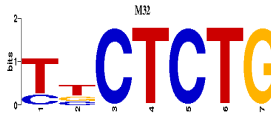
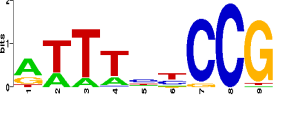
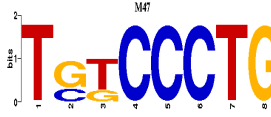
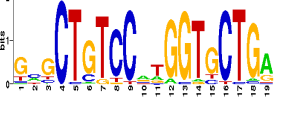


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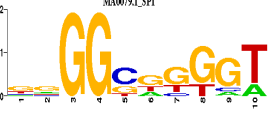

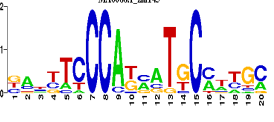

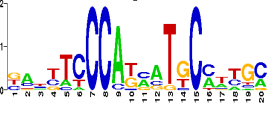



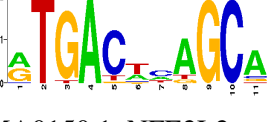







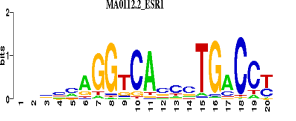



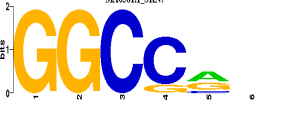
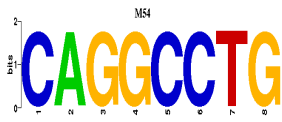
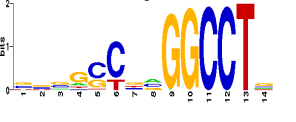

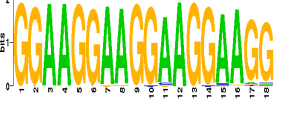

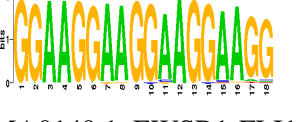
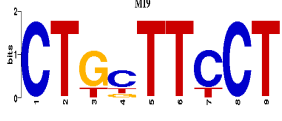



	Input Motif	Best match in JASPAR
M0		MA0277.1_AZF1 (E val: 9.5526e-08)
M18		MA0277.1_AZF1 (E val: 2.4194e-08)
M17		MA0041.1_Foxd3 (E val: 3.5723e-12)
M51		MA0277.1_AZF1 (E val: 2.6990e-05)
M3		MA0151.1_ARID3A (E val: 2.1236e-04)
M59		MA0151.1_ARID3A (E val: 2.0353e-08)

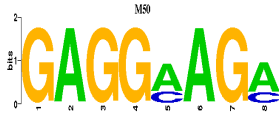
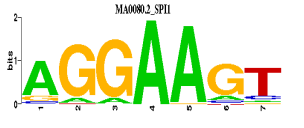

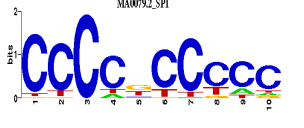
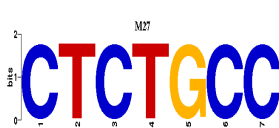




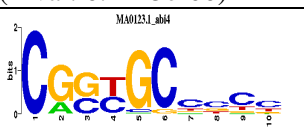



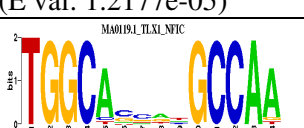


<p>M1</p>  <p>M1</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.0474e-10)</p>
<p>M7</p>  <p>M7</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 6.5503e-15)</p>
<p>M8</p>  <p>M8</p>	<p>MA0068.1_Pax4</p>  <p>MA0068.1_Pax4 (E val: 1.3459e-11)</p>
<p>M21</p>  <p>M21</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 2.3648e-14)</p>
<p>M15</p>  <p>M15</p>	<p>MA0039.2_Klf4</p>  <p>MA0039.2_Klf4 (E val: 3.7227e-07)</p>
<p>M4</p>  <p>M4</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 2.7778e-08)</p>
<p>M5</p>  <p>M5</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 4.1389e-05)</p>
<p>M11</p>  <p>M11</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.7660e-06)</p>
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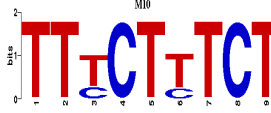


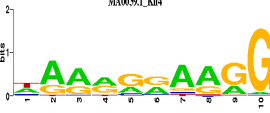

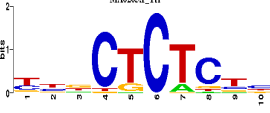
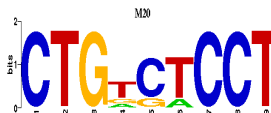





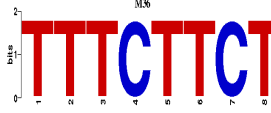



 <p>M22</p>	 <p>MA0283.1_CHA4 (E val: 6.1213e-06)</p>
 <p>M2</p>	 <p>MA0359.1_RAP1 (E val: 2.2055e-06)</p>
 <p>M48</p>	 <p>MA0039.2_Klf4 (E val: 3.0762e-07)</p>
 <p>M6</p>	 <p>MA0144.1_Stat3 (E val: 7.3275e-15)</p>
 <p>M44</p>	 <p>MA0144.1_Stat3 (E val: 3.3547e-06)</p>
 <p>M9</p>	 <p>MA0454.1_odd (E val: 9.1046e-08)</p>
 <p>M35</p>	 <p>MA0055.1_Myf (E val: 1.0197e-05)</p>
 <p>M60</p>	 <p>MA0055.1_Myf (E val: 1.0355e-05)</p>

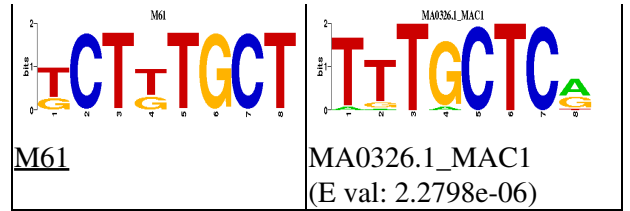
 <p>M39</p>	 <p>MA0326.1_MAC1 (E val: 2.1943e-04)</p>
 <p>M43</p>	 <p>MA0055.1_Myf (E val: 2.7904e-05)</p>
 <p>M52</p>	 <p>MA0260.1_che-1 (E val: 9.8212e-06)</p>
 <p>M14</p>	 <p>MA0081.1_SPIB (E val: 1.4654e-04)</p>
 <p>M46</p>	 <p>MA0413.1_USV1 (E val: 2.2325e-05)</p>
 <p>M32</p>	 <p>MA0437.1_YPR196W (E val: 6.2915e-04)</p>
 <p>M47</p>	 <p>MA0138.1_REST (E val: 2.5227e-05)</p>
 <p>M33</p>	 <p>MA0403.1_TBF1 (E val: 1.7970e-03)</p>

 <p>M38</p>	 <p>MA0451.1_kni (E val: 5.1175e-05)</p>
 <p>M23</p>	 <p>MA0079.1_SP1 (E val: 5.7337e-06)</p>
 <p>M24</p>	 <p>MA0088.1_znf143 (E val: 7.4301e-06)</p>
 <p>M41</p>	 <p>MA0088.1_znf143 (E val: 1.1514e-05)</p>
 <p>M42</p>	 <p>MA0332.1_MET28 (E val: 1.0145e-08)</p>
 <p>M56</p>	 <p>MA0150.1_NFE2L2 (E val: 1.7568e-05)</p>
 <p>M57</p>	 <p>MA0335.1_MET4 (E val: 4.5266e-05)</p>
 <p>M34</p>	 <p>MA0412.1_UME6 (E val: 4.2425e-04)</p>

 <p>M37</p>	 <p>MA0112.2_ESR1 (E val: 7.9587e-05)</p>
 <p>M58</p>	 <p>MA0055.1_Myf (E val: 3.5299e-04)</p>
 <p>M49</p>	 <p>MA0381.1_SKN7 (E val: 5.2856e-05)</p>
 <p>M54</p>	 <p>MA0146.1_Zfx (E val: 5.3992e-04)</p>
 <p>M13</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 2.0872e-14)</p>
 <p>M16</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 1.3246e-07)</p>
 <p>M19</p>	 <p>MA0080.2_SPI1 (E val: 7.6756e-07)</p>
 <p>M25</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 2.4312e-08)</p>

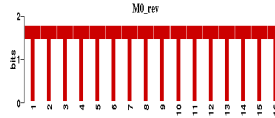
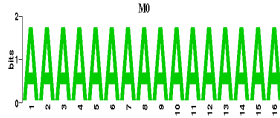
 <p>M50</p>	 <p>MA0080.2_SPI1 (E val: 4.1247e-07)</p>
 <p>M28</p>	 <p>MA0079.2_SP1 (E val: 2.9547e-06)</p>
 <p>M27</p>	 <p>MA0283.1_CHA4 (E val: 6.1213e-06)</p>
 <p>M31</p>	 <p>MA0283.1_CHA4 (E val: 6.1213e-06)</p>
 <p>M30</p>	 <p>MA0123.1_abi4 (E val: 3.5224e-06)</p>
 <p>M40</p>	 <p>MA0340.1_MOT3 (E val: 1.2177e-05)</p>
 <p>M55</p>	 <p>MA0119.1_TLX1_NFIC (E val: 2.6099e-06)</p>
 <p>M62</p>	 <p>MA0304.1_GCR1 (E val: 2.3181e-06)</p>

<p>M10</p>  <p>M10</p>	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 7.8528e-10)</p>
<p>M26</p>  <p>M26</p>	<p>MA0039.1_Klf4</p>  <p>MA0039.1_Klf4 (E val: 5.7156e-05)</p>
<p>M29</p>  <p>M29</p>	<p>MA0205.1_Trl</p>  <p>MA0205.1_Trl (E val: 3.5160e-03)</p>
<p>M20</p>  <p>M20</p>	<p>MA0207.1_achi</p>  <p>MA0207.1_achi (E val: 7.9623e-05)</p>
<p>M45</p>  <p>M45</p>	<p>MA0354.1_PDR8</p>  <p>MA0354.1_PDR8 (E val: 6.2682e-04)</p>
<p>M53</p>  <p>M53</p>	<p>MA0156.1_FEV</p>  <p>MA0156.1_FEV (E val: 1.6912e-04)</p>
<p>M36</p>  <p>M36</p>	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 6.6380e-08)</p>
<p>M12</p>  <p>M12</p>	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 4.2125e-08)</p>



Motif Similarity Matches

M0

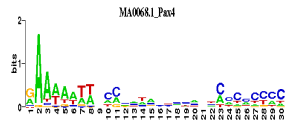


forward

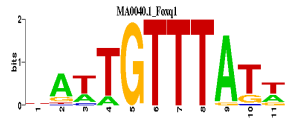
reverse compliment

Name	E value	Alignment	Motif
MA0277.1_AZF1	9.5526e-08	TTTTTTTTTTTTTTTT TTTCTTTT-----	
MA0045.1_HMG-I_Y	6.4558e-06	-TTTTTTTTTTTTTTTT RTTTYKYNNTTNTNN-	
MA0010.1_br_Z1	3.2867e-04	-AAAAAAAAAAAAAAAA TNATARACAARWN----	
MA0041.1_Foxd3	3.3199e-04	TTTTTTTTTTTTTTTT AWIGTTTNTT-----	
MA0120.1_id1	4.4765e-04	-AAAAAAAAAAAAAAAA CGNNANRRMNA-----	
MA0082.1_squamosa	7.0105e-04	-AAAAAAAAAAAAAAAA CAWAWATRGNAAN----	
MA0049.1_hb	1.3259e-03	-TTTTTTTTTTTTTTTT NTTTTNYKS-----	
MA0013.1_br_Z4	7.8795e-03	TTTTTTTTTTTTTTTT WTWNTTACTA-----	

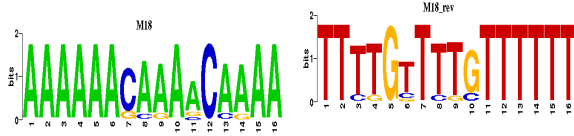
MA0068.1_Pax4 8.8669e-03 -----TTTTTTTTTTTTTTTT
GKRNNNNKNNNNNNNNNNKNNWWWTWTTY-



MA0040.1_Foxq1 1.2400e-02 AAAAAAAAAAAAAAAAAA
WATAACAATN-----



M18



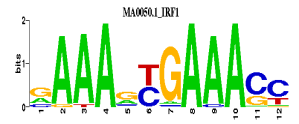
forward

reverse compliment

Name	E value	Alignment	Motif
MA0277.1_AZF1	2.4194e-08	AAAAAACAAAACAAAA -AAAAAGAAA-----	
MA0010.1_br_Z1	2.2255e-06	TTTTGTTTTGTTTTTT-- ----NWYTTGYTATNAN	
MA0013.1_br_Z4	3.9262e-05	TTTTGTTTTGTTTTTT-- -----WTWNTTACTA	
MA0137.1_STAT1	5.6807e-05	TTTTGTTTTGTTTTTT --NAGTTTCNNTTTCY	
MA0040.1_Foxq1	6.1669e-05	AAAAAACAAAACAAAA WATAACAATN-----	
MA0041.1_Foxd3	6.9108e-05	TTTTGTTTTGTTTTTT-- ----NAWTGTTTNTTT	
MA00445.1_D	2.2674e-04	AAAAAACAAAACAAAA --ANAACAATRGN---	

MA0050.1_IRF1 2.5114e-04

TTTTGTTTGTTTTT
---GGTTTCRNTTTN-



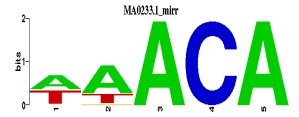
MA0388.1_SPT23 2.9390e-04

AAAAAACAAAACAAAA
-RAAATSAA-----



MA0233.1_mirr 8.0415e-04

TTTTGTTTGTTTTT
-----TGTTW---



M17



forward



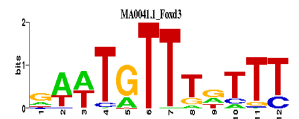
reverse compliment

Name *E value*
MA0041.1_Foxd3 3.5723e-12

Alignment

-TTTGTTTGTTT
NAWTGTTTNTTT

Motif



MA0042.1_FOXI1 8.7086e-09

-TTTGTTTGTTT
NNNRITTTRTWT



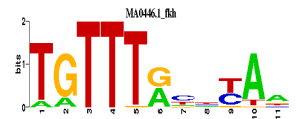
MA0040.1_Foxq1 1.0097e-06

AAACAAACAAA-
-WATAACAATN



MA0446.1_fkh 1.0865e-06

TTTGTTTGTTT--
--TGTTTRNNYAN



MA0010.1_br_Z1 1.9431e-06




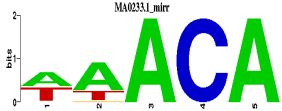
-AAACAAACAAA--
NTNATARACAARWN



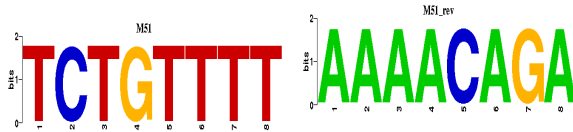
MA0013.1_br_Z4 4.0077e-06

TTTGTTTGTTT
WTWNTTACTA




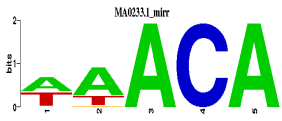



MA0047.1_Foxa2	9.5372e-06	AAACAAACAAA- AARYAAATANTN	
MA0277.1_AZF1	3.7555e-05	TTTGTTTGT TTTCTTTTT--	
MA0148.1_FOXA1	5.8159e-05	--AAACAAACAAA NWRWGYYAACA--	
MA0233.1_mirr	2.3264e-04	TTTGTTTGT --TGTTW----	






M51



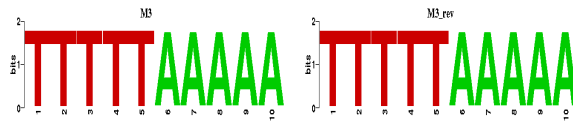
forward

reverse compliment

Name	E value	Alignment	Motif
MA0277.1_AZF1	2.6990e-05	--TCTGTTTT TTTCTTTTT--	
MA0233.1_mirr	5.2508e-05	TCTGTTTT --TGTTW--	
MA0210.1_ara	1.6440e-04	AAAACAGA -WAACA--	
MA0297.1_FKH2	1.6619e-04	TCTGTTTT- --TGTTTAC	
MA0031.1_FOXD1	6.2608e-04	TCTGTTTT- -NTGTTTAC	




MA0157.1_FOXO3	6.4434e-04	TCTGTTTT-- --TGTTTACA	
MA0011.1_br_Z2	7.2216e-04	AAAACAGA-- -AAATAGNW	
MA0091.1_TAL1_TCF3	7.8128e-04	AAAACAG----- --AMCAGATGKTNN	
MA00445.1_D	7.9213e-04	AAAACAG----- ANAACAATRGN	
MA0317.1_HCM1	9.0060e-04	TCTGTTTT-- -NTGTTTAN	


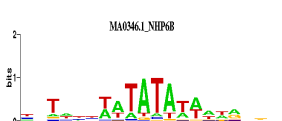

M3



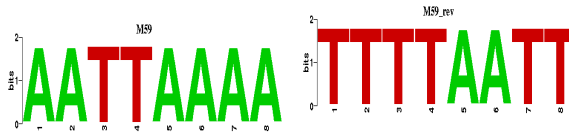
forward

reverse compliment

<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 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 ATGTWAAA---	
MA0346.1_NHP6B	6.0736e-03	-----TTTTTAAAAA-- NNNYNNWWTATAWNNNANN	
MA0052.1_MEF2A	6.6508e-03	TTTTTAAAAA--- ---CTATAAATAG	







M59



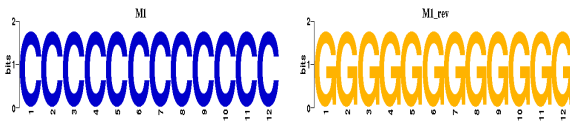
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0151.1_ARID3A	2.0353e-08	TTTTAATT -TTTAAAT-	
MA0226.1_hbn	1.4526e-07	-AATTAAAA YAATTAA--	
MA0194.1_Lim1	1.5442e-07	-AATTAAAA TAATTAA--	
MA0240.1_repo	1.6624e-07	TTTTAATT- --TTAATTA	

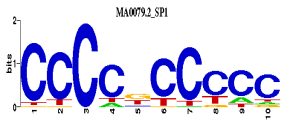
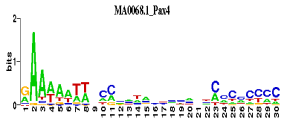
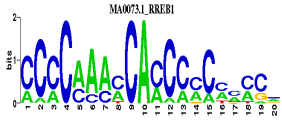
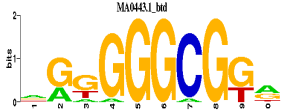
MA0208.1_al	1.7261e-07	TTTTAATT-- --TTAATTA	
MA0192.1_Hmx	1.8655e-07	-AATTAAAA CAATTAA--	
MA0172.1_CG11294	2.0609e-07	TTTTAATT-- --TTAATTA	
MA0176.1_CG15696	2.1946e-07	-AATTAAAA YAATTAA--	
MA0250.1_unc-4	2.2026e-07	-AATTAAAA CAATTAA--	
MA0178.1_CG32105	2.3150e-07	-AATTAAAA TAATTAA--	

M1



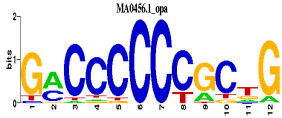
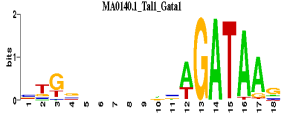


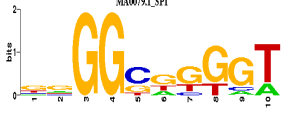
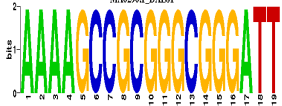
forward

reverse compliment

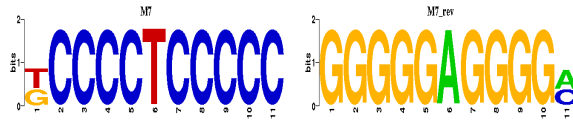
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.0474e-10	CCCCCCCCCCCC CCCNCCCC--	
MA0068.1_Pax4	1.9760e-08	GGGGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTTY	
MA0073.1_RREB1	4.2429e-08	-GGGGGGGGGGG----- NGKKKGKGGGTGKTTTGGGG	
MA0443.1_btd	6.3959e-05	CCCCCCCCCCCC YCCGCCMCN--	

Stamp Results

04/30/14

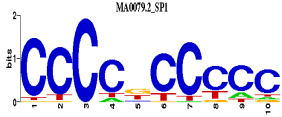
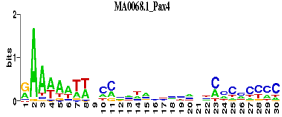


MA0456.1_opa	1.8662e-04	--GGGGGGGGGGG CNGCGGGGGK--	
MA0140.1_Tal1_Gata1	6.6972e-04	-----CCCCCCCCC NTTATCTNNNNNNNCNN	
MA0039.2_Klf4	1.0896e-03	-CCCCCCCCCCC GCCMCRCNN---	
MA0341.1_MSN2	2.8859e-03	GGGGGGGGGGG AGGGG-----	
MA0079.1_SP1	3.6092e-03	-CCCCCCCCCCC ACCCNGCCNN---	
MA0290.1_DAL81	4.2179e-03	---CCCCCCCCC--- AATCCCGCCGCGGCTTTT	




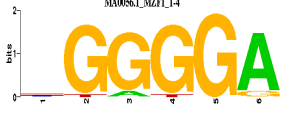


M7



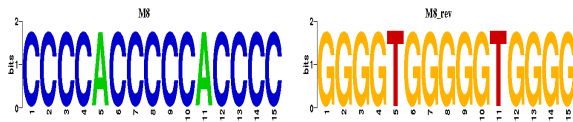
forward

reverse complement

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	6.5503e-15	GGGGGAGGGGM GGGGNGGGG-	
MA0068.1_Pax4	1.2929e-06	---GGGGGAGGGM----- GKRNNNNKNNNNNNNNNNKNNWWWTTTY	
MA0366.1_RGM1	1.0406e-05	KCCCCTCCCC -CCCCT-----	
MA0342.1_MSN4	1.0929e-05	GGGGGAGGGM -----AGGGG-	

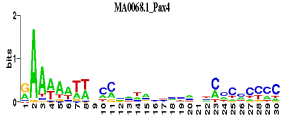
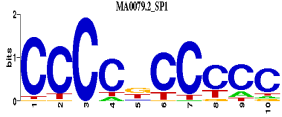
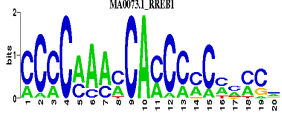

MA0443.1_btd	1.6896e-05	-GGGGAGGGGM NGKGGGCGGR--	
MA0341.1_MSN2	2.6803e-05	GGGGGAGGGGM -----AGGGG-	
MA0039.2_Klf4	4.4455e-05	KCCCCTCCCC GCCMCRCCCN-	
MA0056.1_MZF1_1-4	1.1914e-04	KCCCCTCCCC -----TCCCN	
MA0283.1_CHA4	4.0311e-04	KCCCCTCCCC ---NCTCCGCC	
MA0364.1_REI1	1.0709e-03	GGGGGAGGGGM ---NCAGGGG-	


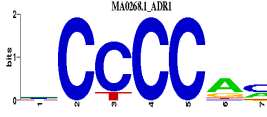

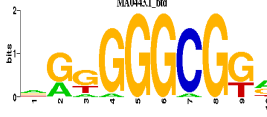


M8



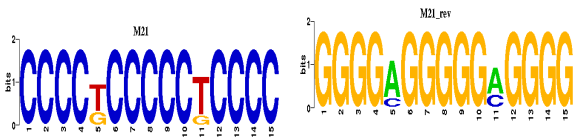
forward

reverse complement

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0068.1_Pax4	1.3459e-11	GGGGTGGGGGTGGGG----- GKRNNNNKNNNNNNNNNNKNNWWWTTWTTY	
MA0079.2_SP1	1.4542e-08	CCCACCCCCACCCC CCCNCCCC-----	
MA0073.1_RREB1	2.2919e-08	-----CCCACCCCCACCCC CCCCAAMCACCMMCMCN	
MA0039.2_Klf4	6.1147e-06	-CCCACCCCCACCCC GCCMCRCCCN-----	

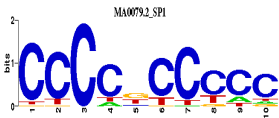
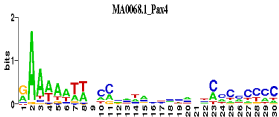
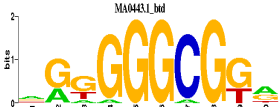
MA0436.1_YPR022C	1.5090e-05	GGGGTGGGGGTGGGG --NGTGGGG-----	
MA0268.1_ADR1	4.9754e-05	GGGGTGGGGGTGGGG ---KTGGGGN-----	
MA0373.1_RPN4	1.4415e-04	GGGGTGGGGGTGGGG --GGTGGCG-----	
MA0443.1_btd	2.6691e-04	CCCCACCCCCACCCC -YCCGCCMCN-----	
MA0337.1_MIG1	4.1113e-04	GGGGTGGGGGTGGGG ---SYGGGN-----	
MA0339.1_MIG3	4.8877e-04	GGGGTGGGGGTGGGG --NGYGGGG-----	





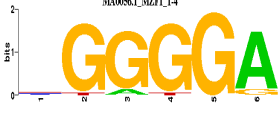
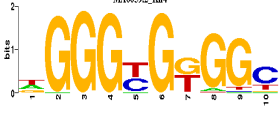

M21



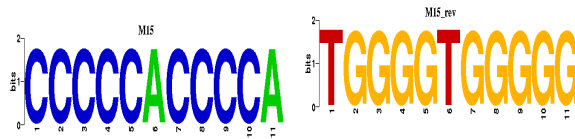
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.3648e-14	GGGGAGGGGGAGGGG -----GGGGNGGGG	
MA0068.1_Pax4	9.5246e-06	GGGGAGGGGGAGGGG----- --GKRNNNNKNNNNNNNNNNKNNWWWTWTTY	
MA0443.1_btd	1.1066e-05	CCCCTCCCCCTCCCC -YCCGCCMCN-----	

MA0057.1_MZF1_5-13	3.1104e-05	CCCCTCCCCCTCCCC ---NTNCCCCTMN--	
MA0366.1_RGM1	4.2054e-05	CCCCTCCCCCTCCCC -----CCCCT-----	
MA0342.1_MSN4	5.2634e-05	CCCCTCCCCCTCCCC -----CCCCT-----	
MA0341.1_MSN2	1.3219e-04	CCCCTCCCCCTCCCC -----CCCCT-----	
MA0056.1_MZF1_1-4	5.0314e-04	CCCCTCCCCCTCCCC- -----TCCCN	
MA0039.2_Klf4	6.2981e-04	-CCCCTCCCCCTCCCC GCCMCRCN-----	
MA0162.1_Egr1	1.1410e-03	CCCCTCCCCCTCCCC --MCGCCACGCN--	


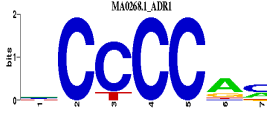
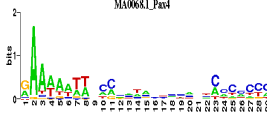

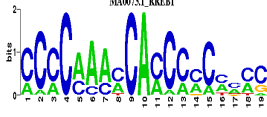
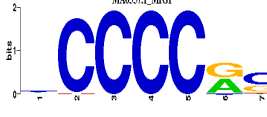
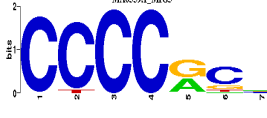

M15



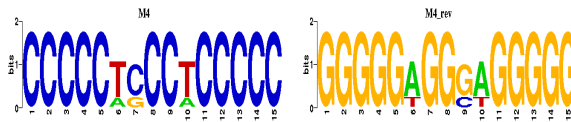
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	3.7227e-07	CCCCACCCCA GCCMCRCN-	
MA0079.2_SP1	6.8697e-07	TGGGGTGGGG GGGGNGGGG-	

MA0436.1_YPR022C	3.1748e-06	TGGGGTGGGG ---NGTGGG-	
MA0268.1_ADR1	1.1377e-05	TGGGGTGGGG ----KTGGGN	
MA0068.1_Pax4	1.9373e-05	TGGGGTGGGG----- -GKRNNNNKNNNNNNNNNNKNNWWWTWTY	
MA0373.1_RPN4	3.5692e-05	TGGGGTGGGG ---GGTGGCG-	
MA0073.1_RREB1	8.9499e-05	CCCCACCCA----- -CCCCAAMCACCMMCM	
MA0337.1_MIG1	1.1075e-04	TGGGGTGGGG ----SYGGGN	
MA0339.1_MIG3	1.3360e-04	TGGGGTGGGG ---NGYGGG-	
MA0338.1_MIG2	1.9876e-04	TGGGGTGGGG ---NGYGGG-	

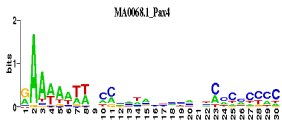



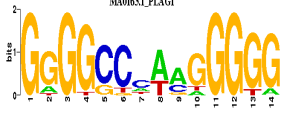



M4



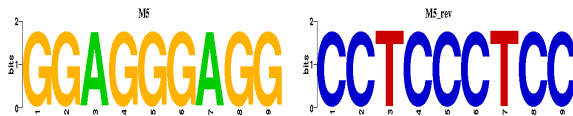
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.7778e-08	GGGGGAGGGAGGGGG GGGGNGGGG-----	
MA0073.1_RREB1	4.9585e-08	-----GGGGGAGGGAGGGGG NGKKKGKGGGTGKTTTGGG	


MA0068.1_Pax4	4.5307e-06	GGGGGAGGGAGGGGG----- -GKRNNNNKNNNNNNNNNNKNNWWWTTTY	
MA0366.1_RGM1	4.3186e-05	CCCCCTCCCTCCCC -CCCCT-----	
MA0342.1_MSN4	5.4493e-05	CCCCCTCCCTCCCC -CCCCT-----	
MA0341.1_MSN2	1.9238e-04	GGGGGAGGGAGGGGG -----AGGGG-	
MA0163.1_PLAG1	4.4726e-04	GGGGGAGGGAGGGGG -GGGGCCNAAGGGGG	
MA0056.1_MZF1_1-4	5.1597e-04	CCCCCTCCCTCCCC -----TCCCCN	
MA0443.1_btd	9.6056e-04	-GGGGGAGGGAGGGGG NGKGGGCGGR-----	
MA0450.1_hkb	9.9133e-04	GGGGGAGGGAGGGGG -KGGGCGTGA-----	






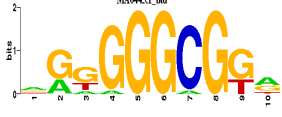


M5



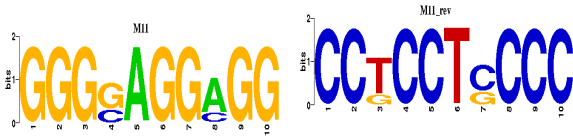
forward

reverse compliment

Name	E value	Alignment	Motif
MA0079.2_SP1	4.1389e-05	--CCTCCCTCC CCCNCCCC--	
MA0410.1_UGA3	1.0711e-04	-GGAGGGAGG NGGCGGGA--	

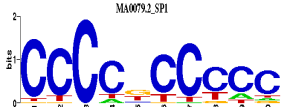
MA0149.1_EWSR1-FLI1	2.9231e-04	-----CCTCCCTCC CCTTCCTTCCTTCCTTC	
MA0090.1_TEAD1	9.3551e-04	-GGAGGGAGG-- CNSWGGAATGTR	
MA0080.2_SPI1	2.4354e-03	CCTCCCTCC ACTTCCT--	
MA0366.1_RGM1	2.9116e-03	GGAGGGAGG --AGGGG--	
MA0342.1_MSN4	3.2069e-03	CCTCCCTCC --CCCCT--	
MA0443.1_btd	3.8043e-03	-CCTCCCTCC YCCGCCMCN	
MA0341.1_MSN2	5.8483e-03	GGAGGGAGG --AGGGG--	
MA0290.1_DAL81	7.2422e-03	CCTCCCTCC----- AATCCCGCCCGCGGCTTTT	

M11










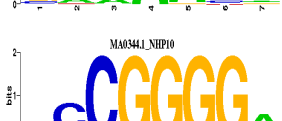

forward

reverse compliment

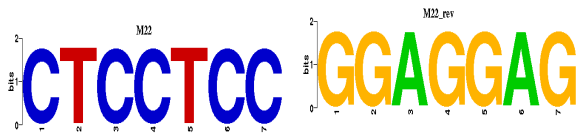
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.7660e-06	-GGGGAGGAGG GGGGNGGGG-	

Stamp Results

04/30/14

MA0056.1_MZF1_1-4	1.8236e-04	CCTCCTCCCC- -----TCCCN	
MA0443.1_btd	2.0781e-04	CCTCCTCCCC-- --YCCGCCMCN	
MA0283.1_CHA4	7.7311e-04	CCTCCTCCCC NCTCCGCC--	
MA0299.1_GAL4	1.7650e-03	----CCTCCTCCCC- GANNRNTNTNNNCCG	
MA0081.1_SPIB	2.3305e-03	CCTCCTCCCC -TTCKST--	
MA0149.1_EWSR1-FLI1	3.3772e-03	-CCTCCTCCCC----- CCTTCCTTCCTTCCTTC	
MA0080.2_SPI1	4.2816e-03	-CCTCCTCCCC ACTTCCT----	
MA0344.1_NHP10	5.3305e-03	---GGGGAGGAGG NCCGGGGA-----	
MA0090.1_TEAD1	6.6121e-03	---CCTCCTCCCC YACATTCWSNG-	

M22



forward



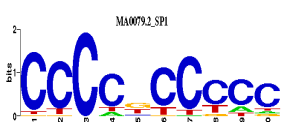







reverse compliment

Name

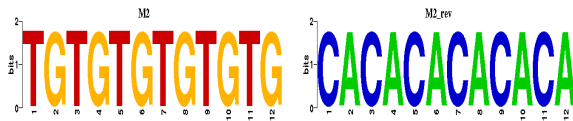
E value

Alignment

Motif

MA0283.1_CHA4	6.1213e-06	-CTCCTCC NCTCCGCC	
MA0062.1_GABPA	6.2175e-05	CTCCTCC--- SNCTTCCGGT	
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	

M2



forward

reverse complement

Name

E value

Alignment

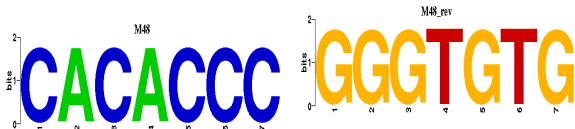
Motif

Stamp Results

04/30/14

MA0359.1_RAP1	2.2055e-06	TGTGTGTGTGTG TGTA TGGGTG--	
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-----	

M48

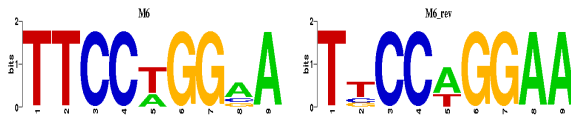


forward

reverse complement

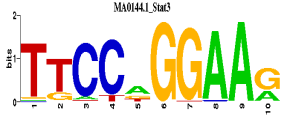
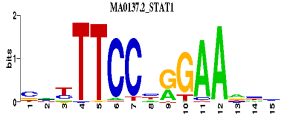

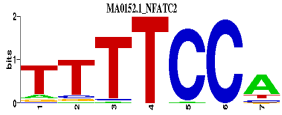





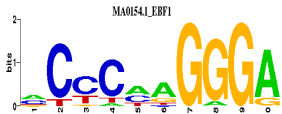
Name	E value	Alignment	Motif
MA0039.2_Klf4	3.0762e-07	--CACACCC-- GCCMCRCN	
MA0270.1_AFT2	3.1401e-07	-GGGTGTG NGGGTGTN	
MA0009.1_T	2.6717e-06	--GGGTGTG-- CTAGGTGTGAA	
MA0450.1_hkb	9.2331e-06	-CACACCC- TCACGCCM	
MA0392.1_STB5	9.9131e-04	-CACACCC TANNCCG	
MA0359.1_RAP1	9.9934e-04	CACACCC----- --CACCCATACA	
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--	

M6

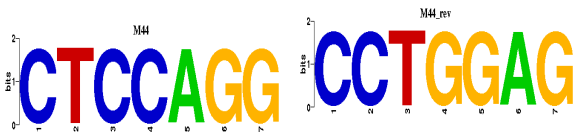


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0144.1_Stat3	7.3275e-15	-TTCCTGGAA CTTCCNGGAA	
MA0137.2_STAT1	5.8947e-10	---TTCCAGGAA--- NNNTTCCNGGAARNN	
MA0156.1_FEV	3.2493e-05	--TTCCTGGAA AYTTCCTG---	
MA0152.1_NFATC2	7.9577e-04	TTCTGGAA-- ----TGGAAA	
MA0026.1_Eip74EF	9.4565e-04	-TTCCTGGAA YTTCCG---	
MA0080.2_SPI1	1.1979e-03	--TTCCTGGAA ACTTCT----	
MA0304.1_GCR1	2.1310e-03	---TTCCAGGAA GGTTCCA----	
MA0081.1_SPIB	3.3407e-03	TTCTGGAA TTCKST--	
MA0319.1_HSF1	3.9149e-03	--TTCCAGGAA NNTTCCAT---	
MA0154.1_EBF1	5.2567e-03	TTCTGGAA- TCCCTNGGN	

M44

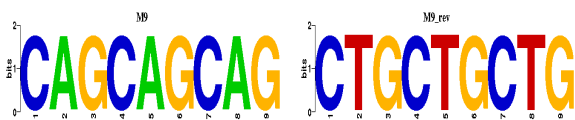


forward

reverse compliment




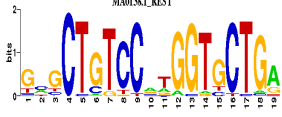
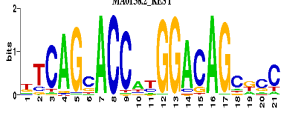



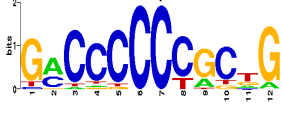

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0144.1_Stat3	3.3547e-06	---CCTGGAG CTTCCNGGAA	
MA0154.1_EBF1	6.9893e-05	--CCTGGAG-- TCCCTNGGGN	
MA0130.1_ZNF354C	3.9979e-04	CCTGGAG -GTGGAK	
MA0137.2_STAT1	1.1758e-03	-----CCTGGAG----- NNYTTCCNGGAANN	
MA0247.1_tin	2.4717e-03	-CCTGGAG CACTTGAR	
MA0139.1_CTCF	3.3723e-03	-----CCTGGAG----- NNSYGCCMCCRSTGGNNR	
MA0086.1_sna	3.4527e-03	--CCTGGAG CACCTG---	
MA0451.1_kni	5.5137e-03	--CCTGGAG-- AAANTAGAGCAN	
MA0026.1_Eip74EF	5.7852e-03	CTCCAGG YTCCGG	
MA0003.1_TFAP2A	9.9565e-03	-CTCCAGG- SCNNNNGGC	

M9

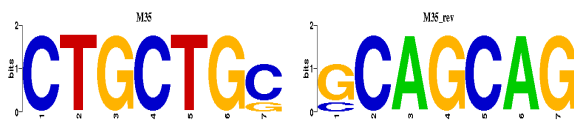


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0454.1_odd	9.1046e-08	CTGCTGCTG-- NTGCTACTGTN	
MA0055.1_Myf	1.0933e-07	CAGCAGCAG--- MRGCARCTGCTG	
MA0402.1_SWI5	8.0392e-05	CTGCTGCTG -TGCTGGTN	
MA0138.1_REST	8.3845e-05	-CAGCAGCAG----- TCAGCACWNGGACAGCNC	
MA0138.2_REST	1.1713e-04	-----CTGCTGCTG-- GNNGCTGTCCNNGGTGCTGAN	
MA0287.1_CUP2	1.3426e-04	CAGCAGCAG-- CAGCARAAAWG	
MA0048.1_NHLH1	1.0416e-03	CAGCAGCAG--- NCGCAGCTGCGN	
MA0394.1_STP1	7.7998e-03	CAGCAGCAG NMGCCGCR-	
MA0456.1_opa	8.6897e-03	CAGCAGCAG--- CNGCGGGGGKCC	
MA0412.1_UME6	1.4391e-02	---CAGCAGCAG- AwwTAGCCGCCSA	

M35

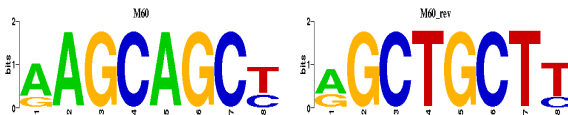


forward

reverse compliment

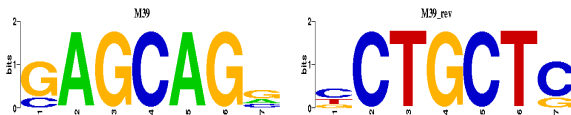
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	1.0197e-05	--GCAGCAG--- MRGCARCTGCTG	
MA0048.1_NHLH1	4.3020e-05	--GCAGCAG--- NCGCAGCTGCGN	
MA0287.1_CUP2	1.5501e-04	GCAGCAG----- -CAGCARAAAWG	
MA0402.1_SWI5	2.0916e-04	--GCAGCAG NACCAGCA-	
MA0454.1_odd	4.4408e-04	CTGCTGC----- NTGCTACTGTN	
MA0150.1_NFE2L2	1.9088e-03	CTGCTGC----- -TGCTNWGTCAY	
MA0456.1_opa	3.3814e-03	GCAGCAG----- -CNGCGGGGGKGC	
MA0119.1_TLX1_NFIC	4.2643e-03	-----CTGCTGC-- TTGGCNNNSTGCCA	
MA0139.1_CTCF	5.0367e-03	-----CTGCTGC--- NNSYGCCMCCTRSTGGNNR	
MA0138.1_REST	6.5511e-03	GCAGCAG----- TCAGCACCWNGGACAGCNC	

M60



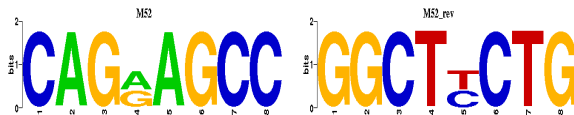
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	1.0355e-05	----AGCTGCTT CAGCAGYTGCYK	
MA0048.1_NHLH1	7.8558e-05	AAGCAGCT---- NCGCAGCTGCGN	
MA0417.1_YAP5	4.4402e-04	AAGCAGCT AAGCAT--	
MA0418.1_YAP6	1.3510e-03	-----AAGCAGCT- NNNNNTTACRTAAKCNNYN	
MA0290.1_DAL81	1.9649e-03	-----AGCTGCTT-- AATCCC GCCCGCGGCTTTT	
MA0053.1_MNB1A	3.5589e-03	AGCTGCTT- ----NCTTT	
MA0402.1_SWI5	4.3156e-03	AAGCAGCT NACCAGCA	
MA0064.1_PBF	4.7634e-03	AGCTGCTT- ----RCTTT	
MA0020.1_Dof2	8.3403e-03	AGCTGCTT- ----NGCTTT	
MA0412.1_UME6	8.7587e-03	---AAGCAGCT-- AWWTAGCCGCCSA	

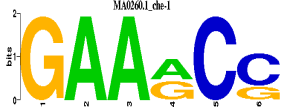




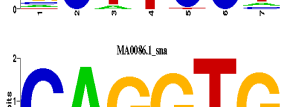


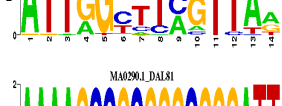
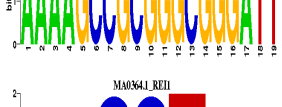
M39



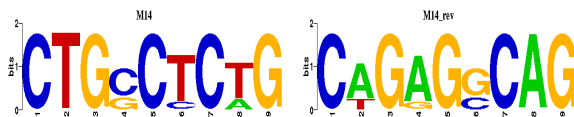
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	2.7904e-05	-AGGAGCTG--- MRGCARCTGCTG	
MA0048.1_NHLH1	4.7571e-04	-AGGAGCTG--- NCGCAGCTGCGN	
MA0138.2_REST	8.2954e-04	AGGAGCTG----- -GNNCTGTCCNNGGTGCTGAN	
MA0443.1_btd	1.1124e-03	-AGGAGCTG- NGKGGGCGGR	
MA0341.1_MSN2	1.2755e-03	AGGAGCTG AGGGG---	
MA0342.1_MSN4	1.8915e-03	AGGAGCTG AGGGG---	
MA0138.1_REST	3.0461e-03	-CAGCTCCT----- TCAGCACCWNGGACAGCNC	
MA0366.1_RGM1	3.2918e-03	AGGAGCTG AGGGG---	
MA0354.1_PDR8	4.6442e-03	CAGCTCCT- -ATCTCCGN	
MA0323.1_IXR1	5.9945e-03	--CAGCTCCT----- CMCCGCTTCCGGYTT	










M52



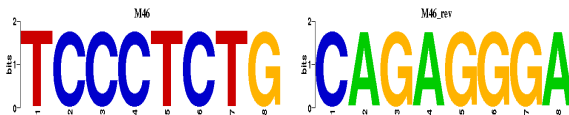
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0260.1_che-1	9.8212e-06	CAGRAGCC --GAARCC	
MA0304.1_GCR1	3.1921e-05	CAGRAGCC TGGAAGCC	
MA0323.1_IXR1	3.5459e-04	---GGCTYCTG--- CMCCGCTTCCGGYTT	
MA0454.1_odd	7.3723e-04	-GGCTYCTG-- NTGCTACTGTN	
MA0305.1_GCR2	1.3669e-03	GGCTYCTG -GCTTCN	
MA0086.1_sna	2.0484e-03	GGCTYCTG --CACCTG	
MA0156.1_FEV	7.3073e-03	GGCTYCTG AYTTCCTG	
MA0263.1_ttx-3_c	7.6579e-03	---GGCTYCTG--- ATTGGYTTMGTTAR	
MA0290.1_DAL81	7.7311e-03	-----GGCTYCTG AATCCCGCCCGCGGCTTTT-	
MA0364.1_REI1	1.0598e-02	-CAGRAGCC NCAGGGG--	

M14



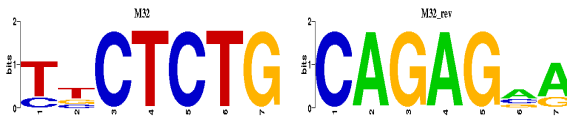
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	1.4654e-04	CTGCCTCTG -TTCKST-	
MA0340.1_MOT3	1.1536e-03	CTGCCTCTG -TRCCTN--	
MA0454.1_odd	1.2384e-03	CTGCCTCTG-- NTGCTACTGTN	
MA0364.1_REI1	2.3501e-03	-CAGAGGCAG NCAGGGG---	
MA0370.1_RME1	3.1414e-03	CTGCCTCTG-- -TNCCTTTNNA	
MA0080.2_SPI1	4.4495e-03	-CTGCCTCTG ACTTCCT---	
MA0150.1_NFE2L2	4.9868e-03	--CAGAGGCAG TGCTNWTCA Y	
MA0099.2_API	7.0121e-03	CAGAGGCAG -TGAGTCA-	
MA0278.1_BAS1	1.1275e-02	-----CTGCCTCTG----- NNNWN YTGACTCNGGCYNNNN	
MA0295.1_FHL1	1.1491e-02	CAGAGGCAG- --GACGCANN	

M46



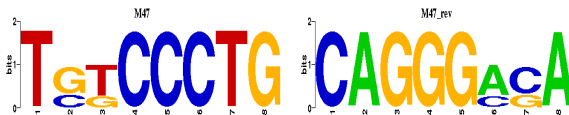
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0413.1_USV1	2.2325e-05	-----CAGAGGGA----- NNNNNNNTCAGGGGKANNNN	
MA0081.1_SPIB	5.1283e-05	TCCCTCTG TTCKST-	
MA0370.1_RME1	5.0465e-04	TCCCTCTG-- TNCCTTTNNA	
MA0057.1_MZF1_5-13	5.4662e-04	-TCCCTCTG- NTNCCCCTMN	
MA0456.1_opa	7.0359e-04	----TCCCTCTG GMCCCCCGCNG	
MA0139.1_CTCF	8.1611e-04	----TCCCTCTG----- NNSYGCCMCCTRSTGGNRR	
MA0364.1_REI1	1.0732e-03	-CAGAGGGA NCAGGGG--	
MA0155.1_INSM1	1.2098e-03	-TCCCTCTG--- YGCCCCCTGRCA	
MA0366.1_RGM1	1.7687e-03	CAGAGGGA ---AGGGG	
MA0342.1_MS4	1.9583e-03	TCCCTCTG CCCT---	

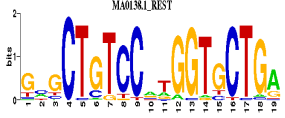
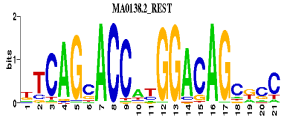

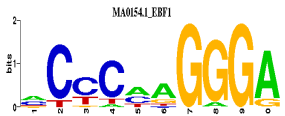






M32



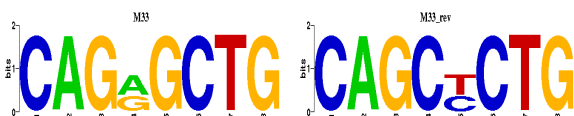
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0437.1_YPR196W	6.2915e-04	CAGAGNA-- CGGRNAAAT	
MA0081.1_SPIB	2.1591e-03	-TNCTCTG TTCKST-	
MA0354.1_PDR8	2.2774e-03	TNCTCTG- ATCTCCGN	
MA0140.1_Tal1_Gata1	2.4691e-03	-TNCTCTG----- NTTATCTNNNNNNNNCNN	
MA0432.1_YNR063W	2.8553e-03	TNCTCTG- ATCTCCGA	
MA0451.1_kni	2.8828e-03	-TNCTCTG---- NTGCTCTANTTT	
MA0287.1_CUP2	3.7039e-03	----TNCTCTG CWITTYTGCTG	
MA0370.1_RME1	5.2513e-03	-TNCTCTG-- TNCCTTTNNA	
MA0277.1_AZF1	7.1472e-03	-TNCTCTG- TTTCTTTTT	
MA0371.1_ROX1	7.9133e-03	CAGAGNA----- --GAGAACAATNGR	

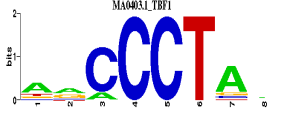



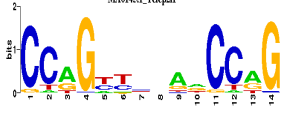





M47



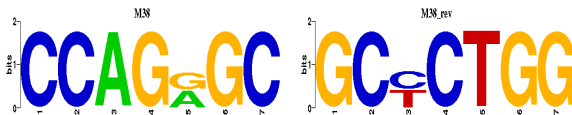
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0138.1_REST	2.5227e-05	-----CAGGGACA----- TCAGCACCCWNGGACAGCNC	
MA0138.2_REST	6.7792e-05	-----CAGGGACA----- NTCAGCACCCNNGGACAGCNC	
MA0364.1_REI1	1.6870e-04	-CAGGGACA NCAGGGG--	
MA0154.1_EBF1	1.0016e-03	TGTCCTG---- --TCCCTNGGGN	
MA0112.2_ESR1	1.2899e-03	----CAGGGACA----- RGGTCANNNTGACCTNNNNN	
MA0366.1_RGM1	1.7687e-03	CAGGGACA -AGGGG--	
MA0342.1_MSN4	1.9583e-03	TGTCCTG --CCCCT-	
MA0071.1_RORA_1	2.4812e-03	TGTCCTG-- TGACCTNNWW	
MA0341.1_MSN2	3.6912e-03	CAGGGACA -AGGGG--	
MA0159.1_RXR_RAR_DR5	4.0323e-03	----TGTCCTG---- TGACCTNYNNNTGAMCY	


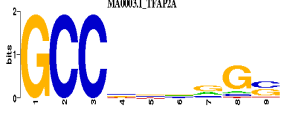

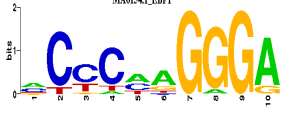

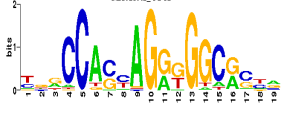
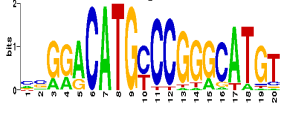
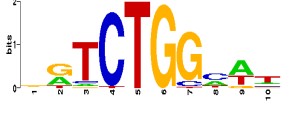


M33



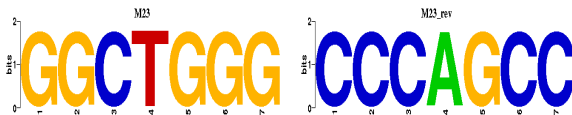
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0403.1_TBF1	1.7970e-03	CAGCYCTG- -ARCCCTAN	
MA0364.1_REI1	3.2157e-03	-CAGRGCTG NCAGGGG--	
MA0048.1_NHLH1	7.2985e-03	---CAGCYCTG- NCGCAGCTGCGN	
MA0451.1_kni	9.2980e-03	CAGCYCTG---- NTGCTCTANTTT	
MA0145.1_Tcfcp211	1.0256e-02	-----CAGRGCTG- CYGGNTNNRNCYGG	
MA0335.1_MET4	1.4426e-02	-CAGRGCTG CCACAGNT-	
MA0389.1_SRD1	1.6414e-02	-CAGCYCTG NNAGATCT-	
MA0267.1_ACE2	2.0734e-02	CAGRGCTG-- ---NGCTGGN	
MA0121.1_ARR10	2.4933e-02	-CAGCYCTG NMRNATCT-	
MA0366.1_RGM1	2.5803e-02	CAGCYCTG --CCCCT-	

M38



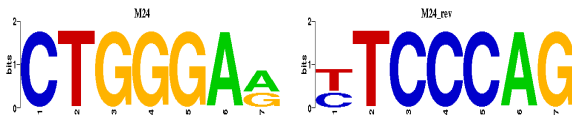
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0451.1_kni	5.1175e-05	--GCYCTGG-- NIGCTCTANTTT	
MA0003.1_TFAP2A	3.1958e-04	--CCAGRGC SCNNNNGGC	
MA0364.1_REI1	5.6821e-04	CCAGRGC NCAGGGG	
MA0154.1_EBF1	6.4450e-04	GCYCTGG-- TCCCTNGGGN	
MA0332.1_MET28	1.0654e-03	GCYCTGG -CTGTGG	
MA0139.1_CTCF	1.4722e-03	-----GCYCTGG----- NNSYGCCMCCRSTGGNNR	
MA0106.1_TP53	4.1065e-03	-----CCAGRGC----- ACATGCCCGGGCATGTCCNN	
MA0092.1_Hand1_T	5.4218e-03	GCYCTGG-- NRICTGGNWN	
MA0116.1_Zfp423	5.8719e-03	---GCYCTGG--- GNMMCCYTRGGKSC	
MA0358.1_PUT3	5.9425e-03	--CCAGRGC NNCCCGGG-	

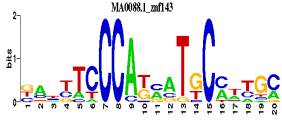
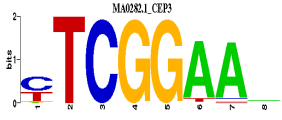
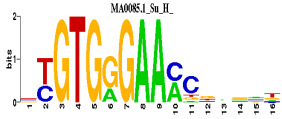
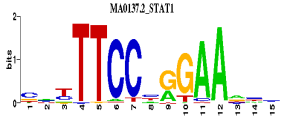



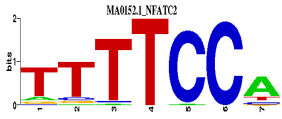


M23



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.1_SP1	5.7337e-06	—CCCAGCC— ACCCNGCCNN	
MA0267.1_ACE2	5.4064e-05	GGCTGGG NGCTGGN	
MA0079.2_SP1	7.7940e-05	---GGCTGGG GGGGNNGGG	
MA0402.1_SWI5	1.2609e-04	—CCCAGCC NACCAGCA	
MA0039.2_Klf4	9.8875e-04	--CCCAGCC— GCCMCRCCCN	
MA0283.1_CHA4	1.1205e-03	—CCCAGCC NCTCCGCC	
MA0344.1_NHP10	1.1652e-03	GGCTGGG-- —NCCGGGGA	
MA0338.1_MIG2	1.3707e-03	GGCTGGG NGYGGGG	
MA0339.1_MIG3	1.7704e-03	GGCTGGG NGYGGGG	
MA0399.1_SUT1	1.7982e-03	GGCTGGG CGCGGG	

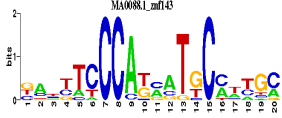
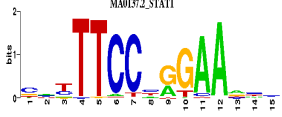


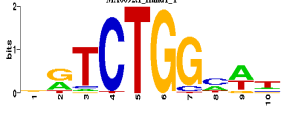


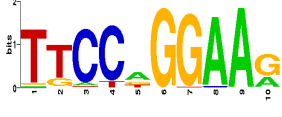
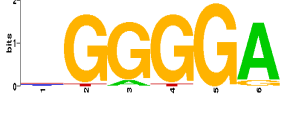

M24



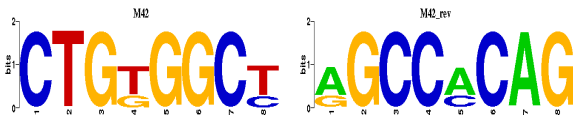
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0088.1_znf143	7.4301e-06	-----CTGGGAR--- KCNNKGMANNMTGGGANNNN	
MA0282.1_CEP3	4.3440e-05	CTGGGAR- YTCGGAAN	
MA0085.1_Su_H_	1.3126e-04	--CTGGGAR----- NYGTGGGAAMCNNNNN	
MA0137.2_STAT1	2.6918e-04	---YTCCAG----- NNYTCCNGGAANN	
MA0331.1_MCM1	7.5084e-04	YTCCAG----- TTCCYAAWNNGG	
MA0311.1_HAL9	1.0450e-03	YTCCAG TTCCG--	
MA0344.1_NHP10	1.1284e-03	YTCCAG-- -TCCCCGGN	
MA0152.1_NFATC2	1.5367e-03	CTGGGAR- -TGGAAAA	
MA0391.1_STB4	2.9756e-03	CTGGGAR YTCGGA	
MA0056.1_MZF1_1-4	3.5942e-03	YTCCAG -TCCCCN	





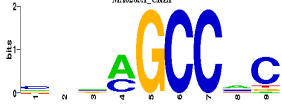

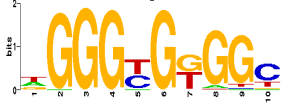

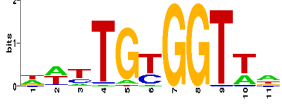

M41



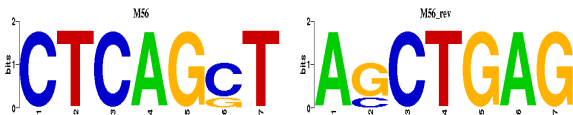
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0088.1_znf143	1.1514e-05	-----TCTGGGA----- KCNNKGMANNMTGGGANNNN	
MA0137.2_STAT1	1.3278e-04	----TCTGGGA---- NNNTTCCNGGAARNN	
MA0362.1_RDS2	1.0127e-03	-TCTGGGA NTCGGGG-	
MA0344.1_NHP10	1.1284e-03	TCCCAGA- TCCCCGGN	
MA0092.1_Hand1_T	1.2275e-03	--TCTGGGA- NRTCCTGGNWN	
MA0282.1_CEP3	2.7548e-03	TCTGGGA-- -YTCGGAAN	
MA0085.1_Su_H_	2.9025e-03	-----TCCCAGA- NNNNNGKTTCCCACRN	
MA0144.1_Stat3	2.9247e-03	--TCCCAGA- CTTCCNGGAA	
MA0056.1_MZF1_1-4	3.5942e-03	TCCCAGA TCCCN-	
MA0267.1_ACE2	4.1055e-03	-TCTGGGA NGCTGGN-	



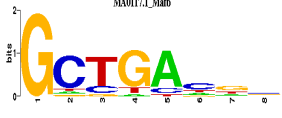





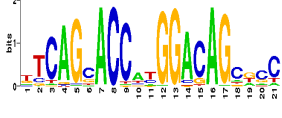
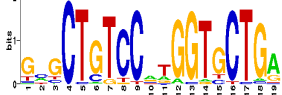
M42



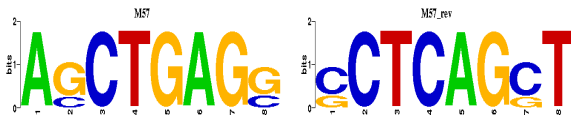
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	1.0145e-08	AGCCACAG --CCACAG	
MA0334.1_MET32	3.4270e-07	CTGTGGCT -TGTGGCN	
MA0002.2_RUNX1	4.4905e-07	-AGCCACAG-- NAACCACARNN	
MA0335.1_MET4	3.1454e-06	AGCCACAG-- --CCACAGNT	
MA0285.1_CRZ1	7.7722e-05	---AGCCACAG NNNAGCCNC--	
MA0373.1_RPN4	2.2811e-04	AGCCACAG CGCCACC-	
MA0039.2_Klf4	2.8946e-04	AGCCACAG--- -GCCMCRCCCN	
MA0213.1_brk	5.8243e-04	AGCCACAG RGCGCCRS	
MA0002.1_RUNX1	2.3345e-03	--CTGTGGCT- WWYTGTGGTTN	
MA0333.1_MET31	2.4573e-03	AGCCACAG- CGCCACNNN	





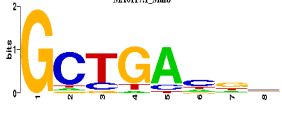





M56



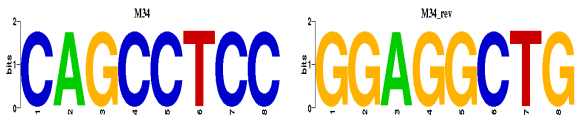
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0150.1_NFE2L2	1.7568e-05	AGCTGAG---- TGCTNWTGTCAY	
MA0048.1_NHLH1	2.6980e-05	----AGCTGAG- NCGCAGCTGCGN	
MA0117.1_MafB	3.0737e-04	AGCTGAG-- -GCTGANNN	
MA0335.1_MET4	1.6342e-03	-CTCAGCT CCACAGNT	
MA0320.1_IME1	2.1885e-03	-AGCTGAG CCGCCGAG	
MA0283.1_CHA4	2.4931e-03	AGCTGAG- GCCGGAGN	
MA0247.1_tin	2.6350e-03	-AGCTGAG CACTTGAR	
MA0086.1_sna	4.1523e-03	-AGCTGAG CACCTG--	
MA0138.2_REST	8.3211e-03	CTCAGCT----- NTCAGCACCNNGGACAGCNNC	
MA0138.1_REST	8.4847e-03	CTCAGCT----- -TCAGCACCWNGGACAGCNC	

M57



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0335.1_MET4	4.5266e-05	CCTCAGCT CCACAGNT	
MA0150.1_NFE2L2	1.4364e-04	AGCTGAGG--- TGCTNWGTCAY	
MA0048.1_NHLH1	2.2101e-04	----AGCTGAGG NCGCAGCTGCGN	
MA0332.1_MET28	3.5122e-04	CCTCAGCT CCACAG--	
MA0117.1_MafB	1.0693e-03	AGCTGAGG- -GCTGANNN	
MA0350.1_TOD6	5.3347e-03	-----AGCTGAGG----- NNNNNGCGATGAGSTNNNNNN	
MA0320.1_IME1	5.9754e-03	-AGCTGAGG CCGCCGAG-	
MA0247.1_tin	6.6819e-03	-AGCTGAGG CACTTGAR-	
MA0283.1_CHA4	6.6947e-03	AGCTGAGG GGCGGAGN	
MA0086.1_sna	7.3862e-03	CCTCAGCT- ---CAGGTG	

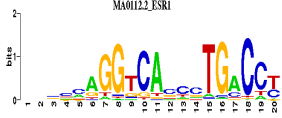
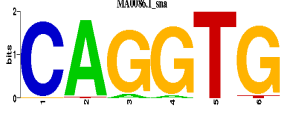

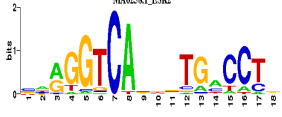

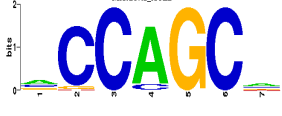




M34



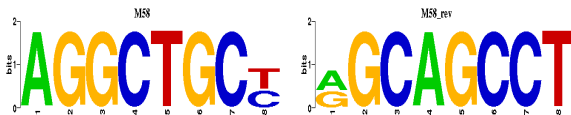
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0412.1_UME6	4.2425e-04	---CAGCCTCC-- AWWTAGCCGCCSA	
MA0079.2_SP1	6.2021e-04	GGAGGCTG-- GGGGNGGGG	
MA0305.1_GCR2	1.3194e-03	-GGAGGCTG NGGAAGC--	
MA0373.1_RPN4	1.8512e-03	CAGCCTCC -CGCCACC	
MA0443.1_btd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



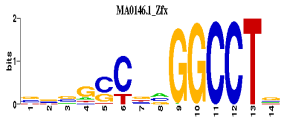

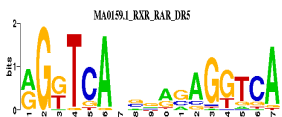





M37



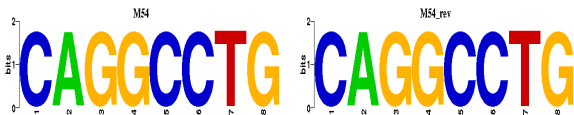
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0112.2_ESR1	7.9587e-05	----CAGGCTG----- RGGTCANNNTGACCTNNNNN	
MA0086.1_sna	3.4527e-03	CAGCCTG -CACCTG	
MA0340.1_MOT3	5.2131e-03	CAGCCTG -TRCCTN	
MA0258.1_ESR2	5.5022e-03	----CAGCCTG----- NAGGNCANNNTGACCYN	
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	

M58



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0381.1_SKN7	5.2856e-05	-TGGCCTC NYGGCC--	
MA0018.2_CREB1	3.3616e-04	TGGCCTC- TGACGTCA	
MA0146.1_Zfx	6.9209e-04	-TGGCCTC----- NAGGCCNNGGCNNN	
MA0160.1_NR4A2	7.6139e-04	-TGGCCTC GTGACCTT	
MA0159.1_RXR_RAR_DR5	9.1951e-04	-----GAGGCCA RGKTCANNNRNAGGTCA	
MA0263.1_ttx-3_c	1.2829e-03	--TGGCCTC----- ATTGGYTTMGTTAR	
MA0260.1_che-1	1.8206e-03	TGGCCTC -GGYTTC	
MA0114.1_HNF4A	2.0987e-03	TGGCCTC----- TGNMCTTTGNNCY	
MA0304.1_GCR1	2.4187e-03	TGGCCTC-- -GGCTTCCA	
MA0071.1_RORA_1	3.6998e-03	TGGCCTC--- TGACCTNNWW	

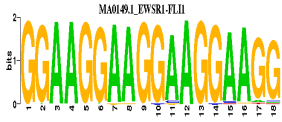

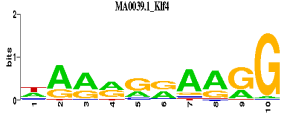
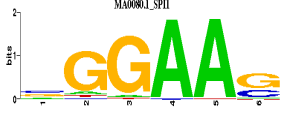

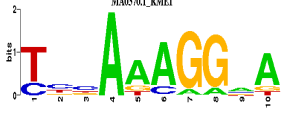
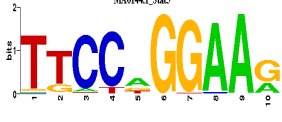



M54



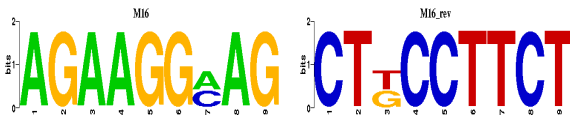
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0146.1_Zfx	5.3992e-04	CAGGCCTG----- NAGGCCNNGGCNNN	
MA0086.1_sna	6.4886e-03	CAGGCCTG --CACCTG	
MA0450.1_hkb	6.6948e-03	CAGGCCTG- KGGGCGTGA	
MA0381.1_SKN7	6.8876e-03	CAGGCCTG NYGGCC--	
MA0340.1_MOT3	9.4999e-03	CAGGCCTG --TRCCTN	
MA0106.1_TP53	1.1747e-02	-----CAGGCCTG----- ACATGCCCGGGCATGTCCNN	
MA0364.1_REI1	2.0384e-02	-CAGGCCTG NCAGGG--	
MA0361.1_RDS1	2.2372e-02	CAGGCCTG NCGGCCG-	
MA0069.1_Pax6	2.4036e-02	----CAGGCCTG-- MANTSAWGCGTGAA	
MA0429.1_YLL054C	2.5142e-02	CAGGCCTG NCGGCCG-	




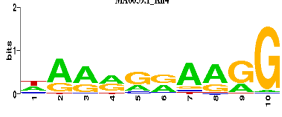

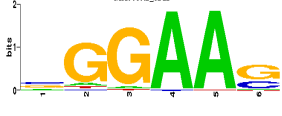

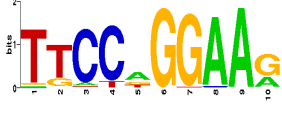


M13



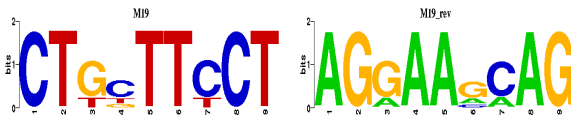
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FL11	2.0872e-14	-CTTCCTTCCT----- CCTTCCTTCCTTCCTTCC	
MA0080.2_SPI1	2.1887e-06	CTTCCTTCCT ---ACTTCCT	
MA0039.1_Klf4	1.4742e-04	---AGGAAGGAAG NAARRRAAGG---	
MA0080.1_SPI1	2.1062e-04	CTTCCTTCCT ----STCCN	
MA0156.1_FEV	2.8672e-04	-CTTCCTTCCT AYTTCCTG---	
MA0370.1_RME1	6.9674e-04	-AGGAAGGAAG TNNAAGGNA-	
MA0144.1_Stat3	7.4299e-04	CTTCCTTCCT---- ----CTTCNGGAA	
MA0305.1_GCR2	9.0272e-04	AGGAAGGAAG NGGAAGC---	
MA0026.1_Eip74EF	9.1345e-04	AGGAAGGAAG ---CCGGAAR	
MA0136.1_ELF5	1.1421e-03	-AGGAAGGAAG NMGGAARTN--	

M16



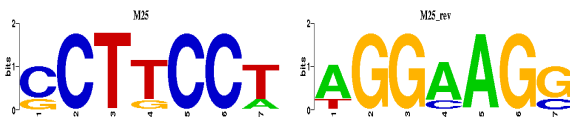
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FL11	1.3246e-07	-----CTKCCTTCT----- CCTTCCTTCCTTCCTTCC	
MA0080.2_SPI1	1.0788e-05	-CTKCCTTCT ACTTCCT---	
MA0370.1_RME1	4.3470e-04	CTKCCTTCT-- -TNCCTTTNNA	
MA0039.1_Klf4	4.3656e-04	AGAAGGMAG- NAARRRAAGG	
MA0277.1_AZF1	6.6099e-04	CTKCCTTCT TTTCTTTT	
MA0080.1_SPI1	8.8203e-04	CTKCCTTCT STTCN---	
MA0156.1_FEV	1.2218e-03	-CTKCCTTCT AYTTCTG--	
MA0144.1_Stat3	1.2965e-03	CTKCCTTCT- CTTCNGGAA	
MA0340.1_MOT3	2.4344e-03	CTKCCTTCT -TRCCTN--	
MA0136.1_ELF5	2.4980e-03	AGAAGGMAG-- --NMGGAARTN	

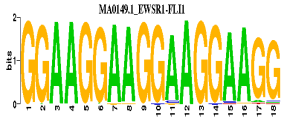

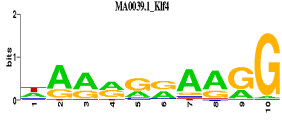
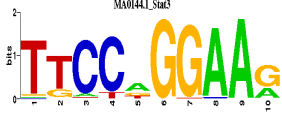
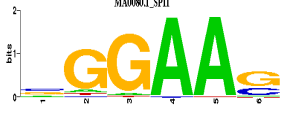



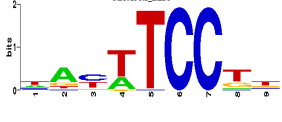

M19



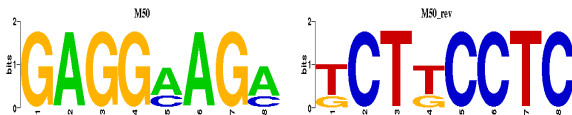
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0080.2_SPI1	7.6756e-07	CTGCTTCCT --ACTTCCT	
MA0305.1_GCR2	1.7413e-06	AGGAAGCAG NGGAAGC--	
MA0304.1_GCR1	7.7026e-06	AGGAAGCAG TGGAAGCC-	
MA0156.1_FEV	7.6398e-05	CTGCTTCCT- --AYTTCCTG	
MA0080.1_SPI1	1.0456e-04	CTGCTTCCT ---SITCCN	
MA0323.1_IXR1	1.3677e-04	--CTGCTTCCT---- CMCCGCTTCCGGYTT	
MA0149.1_EWSR1-FLI1	1.6288e-04	---AGGAAGCAG----- GGAAGGAAGGAAGGAAGG	
MA0144.1_Stat3	1.9147e-04	CTGCTTCCT---- ---CTTCCNGGAA	
MA0136.1_ELF5	2.0583e-04	-AGGAAGCAG NMGGAARTN-	
MA0417.1_YAP5	3.6502e-04	AGGAAGCAG ---AAGCAT	











M25



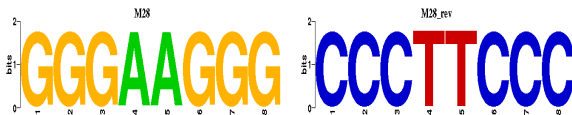
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FL11	2.4312e-08	----CCTTCCT----- CCTTCCTTCCTTCCTTC	
MA0080.2_SPI1	8.7177e-08	CCTTCCT ACTTCCT	
MA0039.1_Klf4	1.8443e-06	CCTTCCT--- CCTTYYYTNN	
MA0144.1_Stat3	6.3520e-06	CCTTCCT---- -CTTCCNGGAA	
MA0080.1_SPI1	1.9212e-05	CCTTCCT -STTCN	
MA0304.1_GCR1	2.4071e-05	-CCTTCCT GGCTTCCA	
MA0156.1_FEV	2.7475e-05	CCTTCCT- AYTTCCTG	
MA0305.1_GCR2	3.3041e-05	AGGAAGG NGGAAGC	
MA0136.1_ELF5	3.8247e-05	-AGGAAGG- NMGGAARTN	
MA0090.1_TEAD1	1.1668e-04	---AGGAAGG-- CNSWGAATGTR	

M50



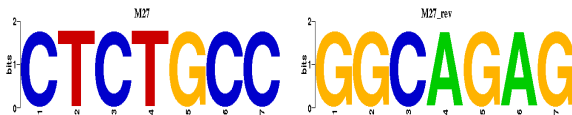
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0080.2_SPI1	4.1247e-07	TCTTCCTC ACTTCCT-	
MA0081.1_SPIB	3.1508e-06	TCTTCCTC- --TTCKST	
MA0144.1_Stat3	7.8996e-05	TCTTCCTC--- -CTTCNGGAA	
MA0080.1_SPI1	8.0429e-05	TCTTCCTC -STTCN-	
MA0156.1_FEV	9.6220e-05	TCTTCCTC AYTTCCTG	
MA0062.1_GABPA	1.3275e-04	-TCTTCCTC- SNCTTCGGT	
MA0304.1_GCR1	1.4574e-04	-TCTTCCTC GGCTTCCA-	
MA0136.1_ELF5	1.9426e-04	GAGGAAGA- NMGGAARTN	
MA0305.1_GCR2	3.0268e-04	GAGGAAGA -NGGAAGC	
MA0026.1_Eip74EF	3.2390e-04	TCTTCCTC -YTTCCGG	

M28



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.9547e-06	-GGGAAGGG- GGGGNGGGG	
MA0039.1_Klf4	2.7810e-05	CCCTTCCC--- -CCTTYYTNT	
MA0080.1_SPI1	4.2939e-05	CCCTTCCC --STCCN	
MA0305.1_GCR2	1.6884e-04	CCCTTCCC -GCTCCN	
MA0080.2_SPI1	1.8260e-04	CCCTTCCC -ACTTCT	
MA0149.1_EWSR1-FLI1	2.4677e-04	-----CCCTTCCC CCTTCCTTCCTTCCTTC-	
MA0026.1_Eip74EF	3.0129e-04	CCCTTCCC- --YTCCGG	
MA0062.2_GABPA	4.5420e-04	--CCCTTCCC- NNCACTTCGG	
MA0062.1_GABPA	5.0255e-04	CCCTTCCC-- SNCTTCGGT	
MA0304.1_GCR1	6.5017e-04	CCCTTCCC GGCTTCCA	

M27



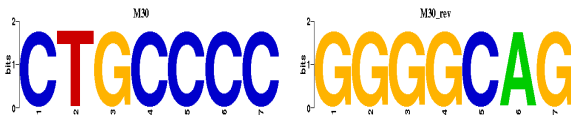
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0283.1_CHA4	6.1213e-06	forward -CTCTGCC reverse compliment NCTCCGCC	
MA0065.2_PPARG_RXRA	7.0172e-06	----CTCTGCC---- TGMCCCTTGNC CYNN	
MA0062.1_GABPA	6.2175e-05	CTCTGCC--- SNCTTCCGGT	
MA0114.1_HNF4A	2.0123e-03	--GGCAGAG---- RGNNCAAAGKNCA	
MA0320.1_IME1	2.9659e-03	CTCTGCC- CTCGGCGG	
MA0140.1_Tal1_Gata1	3.1334e-03	---CTCTGCC----- NTTATCTNNNNNNNNC NN	
MA0278.1_BAS1	3.8314e-03	-----CTCTGCC----- NNNWN YTGACTCNGGCYNNNN	
MA0092.1_Hand1_T	5.2520e-03	--GGCAGAG- NWNCCAGAYN	
MA0123.1_abi4	7.5493e-03	---GGCAGAG NGNNGCRSCG	
MA0150.1_NFE2L2	1.0403e-02	---CTCTGCC RTGACWNAGCA	



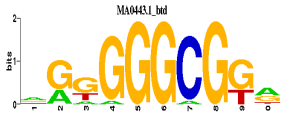
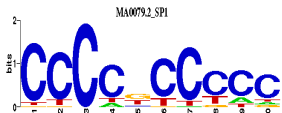


M31



	<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	-CTCTGCC NCTCCGCC	
MA0065.2_PPARG_RXRA	7.0172e-06	----CTCTGCC---- TGMCCCTTGNCYNN	
MA0062.1_GABPA	6.2175e-05	CTCTGCC--- SNCTTCCGGT	
MA0114.1_HNF4A	2.0123e-03	--GGCAGAG---- RGNNCAAAGKNCA	
MA0320.1_IME1	2.9659e-03	CTCTGCC- CTCGGCGG	
MA0140.1_Tal1_Gata1	3.1334e-03	---CTCTGCC----- NTTATCTNNNNNNNCNN	
MA0278.1_BAS1	3.8314e-03	-----CTCTGCC----- NNNWNVTGACTCNGGCYNNNN	
MA0092.1_Hand1_T	5.2520e-03	--GGCAGAG- NWNCCAGAYN	
MA0123.1_abi4	7.5493e-03	---GGCAGAG NGNNGCRSCG	
MA0150.1_NFE2L2	1.0403e-02	----CTCTGCC RTGACWNAGCA	










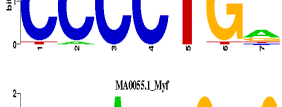
M30



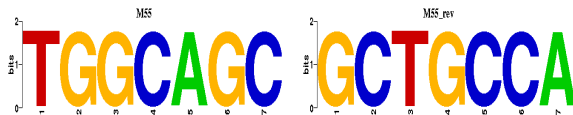
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0123.1_abi4	3.5224e-06	-GGGGCAG-- NGNNGCRSCG	
MA0140.1_Tal1_Gata1	2.2283e-05	-----CTGCCCC----- NTTATCTNNNNNNNNNCNN	
MA0443.1_btd	5.3882e-05	--GGGGCAG- NGKGGGCGGR	
MA0079.2_SP1	1.1572e-04	-GGGGCAG-- GGGGGNGGGG	
MA0065.2_PPARG_RXRA	1.2975e-04	-----CTGCCCC-- TGMCCTTGNCCYNN	
MA0155.1_INSM1	2.5723e-04	CTGCCCC----- -YGCCCCCTGRCA	
MA0341.1_MSN2	1.0042e-03	-GGGGCAG AGGGG---	
MA0342.1_MSN4	1.0045e-03	-GGGGCAG AGGGG---	
MA0366.1_RGM1	1.0774e-03	CTGCCCC- ---CCCCT	
MA0450.1_hkb	1.3215e-03	--CTGCCCC TCACGCCCM	

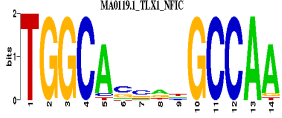





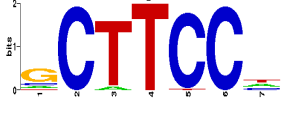



M40



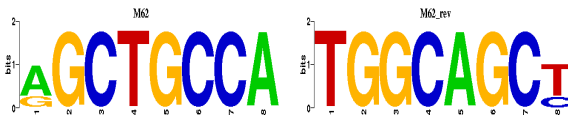
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0340.1_MOT3	1.2177e-05	CTGCCTG -TRCCTN	
MA0144.1_Stat3	4.3744e-05	CTGCCTG--- CTTCCNGGAA	
MA0156.1_FEV	9.5266e-05	-CTGCCTG AYTTCCTG	
MA0026.1_Eip74EF	4.3523e-04	CTGCCTG YTTCCGG	
MA0080.2_SPI1	4.6119e-04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

M55



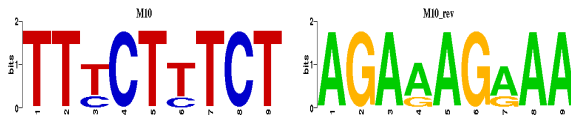
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0119.1_TLX1_NFIC	2.6099e-06	TGGCAGC----- TGGCASNNGCCAA	
MA0304.1_GCR1	5.0778e-06	-GCTGCCA GGCTTCCA	
MA0365.1_RFX1	7.1482e-05	TGGCAGC- TRGCAACN	
MA0207.1_achi	8.2315e-05	GCTGCCA -CTGTCA	
MA0384.1_SNT2	1.5562e-04	----GCTGCCA NGGCGCTAYCA	
MA0227.1_hth	1.8347e-04	GCTGCCA -CTGTCA	
MA0305.1_GCR2	4.1709e-04	TGGCAGC NGGAAGC	
MA0123.1_abi4	1.1208e-03	--TGGCAGC- NGNNGCRSCG	
MA0055.1_Myf	1.1683e-03	-----GCTGCCA CAGCAGYTG CYK	
MA0048.1_NHLH1	1.6419e-03	-----GCTGCCA NCGCAGCTGCGN	

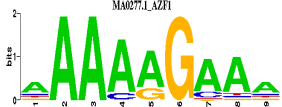
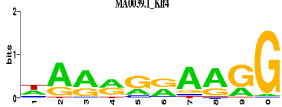

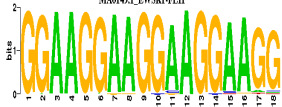
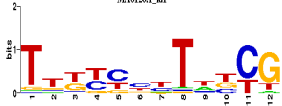
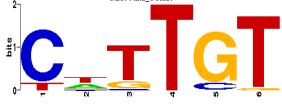
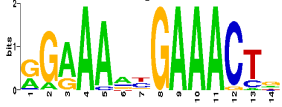



M62



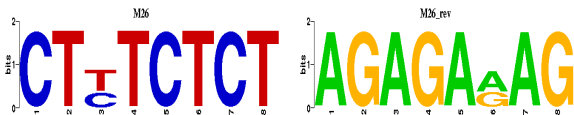
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0304.1_GCR1	2.3181e-06	AGCTGCCA GGCTTCCA	
MA0119.1_TLX1_NFIC	3.7810e-05	TGGCAGCT----- TGGCASNNNGCCAA	
MA0048.1_NHLH1	7.1650e-05	----AGCTGCCA NCGCAGCTGCGN	
MA0207.1_achi	1.9845e-04	AGCTGCCA --CTGTCA	
MA0055.1_Myf	2.2712e-04	TGGCAGCT---- MRGCARCTGCTG	
MA0365.1_RFX1	2.9046e-04	TGGCAGCT TRGCAACN	
MA0227.1_hth	4.2083e-04	AGCTGCCA --CTGTCA	
MA0412.1_UME6	6.3730e-04	----AGCTGCCA- AWWTAGCCGCCSA	
MA0384.1_SNT2	8.8586e-04	---AGCTGCCA NGGCGCTAYCA	
MA0305.1_GCR2	1.1151e-03	TGGCAGCT NGGAAGC-	

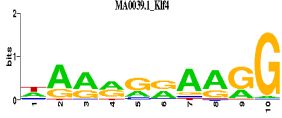


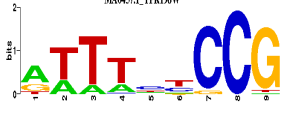
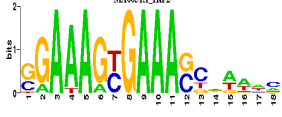
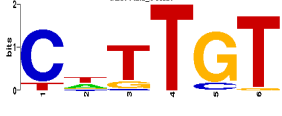




M10



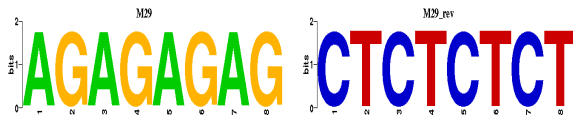
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	7.8528e-10	TTTCTTTCT TTTCTTTT	
MA0039.1_Klf4	1.8189e-05	AGAAAGAAA-- -NAARRRAAGG	
MA0370.1_RME1	3.7548e-05	TTTCTTTCT- TNCCTTTNNA	
MA0149.1_EWSR1-FLI1	5.7918e-05	---AGAAAGAAA----- GGAAGGAAGGAAGGAAGG	
MA0120.1_id1	9.8351e-05	-TTTCTTTCT-- TNKYNNNTNCG	
MA0442.1_SOX10	1.2192e-03	AGAAAGAAA ACAAGW---	
MA0137.1_STAT1	1.6604e-03	---TTTCTTTCT-- NAGTTTCNNTTTCY	
MA0287.1_CUP2	1.7459e-03	-AGAAAGAAA- CAGCARAAAWG	
MA0080.2_SPI1	1.9165e-03	TTTCTTTCT --ACTTCT	
MA0053.1_MNB1A	3.8456e-03	TTTCTTTCT --NCTTT--	

M26



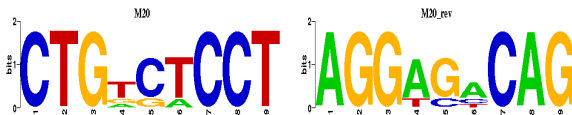
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	5.7156e-05	-AGAGARAG- NAARRRAAGG	
MA0081.1_SPIB	2.5334e-04	CTYTCTCT -TTCKST	
MA0277.1_AZF1	4.2455e-04	CTYTCTCT-- -TTTCTTTT	
MA0437.1_YPR196W	6.4854e-04	-AGAGARAG CGGRNAAAT	
MA0051.1_IRF2	1.1188e-03	-----CTYTCTCT----- NNWWNRSTTTTCRCTTTCS	
MA0442.1_SOX10	2.4325e-03	AGAGARAG --ACAAG	
MA0080.2_SPI1	2.8572e-03	-CTYTCTCT ACTTCT--	
MA0050.1_IRF1	3.2092e-03	-CTYTCTCT--- GGTTTCRNTTTN	
MA0053.1_MNB1A	7.4252e-03	-CTYTCTCT NCTTT----	
MA0064.1_PBF	7.4252e-03	-CTYTCTCT RCTTT----	

M29



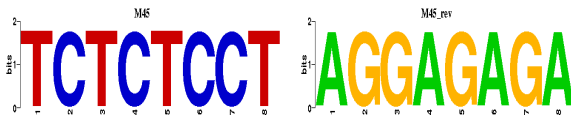
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0205.1_Tr1	3.5160e-03	-AGAGAGAG- NNGAGAGNNR	
MA0159.1_RXR_RAR_DR5	8.5439e-03	----CTCTCTCT---- TGACCTNYNNNTGAMCY	
MA0039.1_Klf4	9.4518e-03	-CTCTCTCT- CCTTYYYTTN	
MA0298.1_FZF1	2.5950e-02	AGAGAGAG TGATAG--	
MA0207.1_achi	3.1104e-02	CTCTCTCT CTGTCA--	
MA0081.1_SPIB	3.2503e-02	CTCTCTCT -TTCKST	
MA0037.1_GATA3	3.5517e-02	CTCTCTCT YTATCN--	
MA0277.1_AZF1	3.6208e-02	--AGAGAGAG AAAAAGAAA-	
MA0354.1_PDR8	4.1314e-02	CTCTCTCT ATCTCCGN	
MA0432.1_YNR063W	4.2593e-02	CTCTCTCT ATCTCCGA	

M20



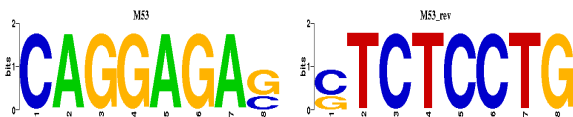
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	7.9623e-05	CTGTCTCCT CTGTCA---	
MA0227.1_hth	1.7553e-04	CTGTCTCCT CTGTCA---	
MA0354.1_PDR8	2.3563e-03	-AGGAGACAG NCGGAGAT--	
MA0432.1_YNR063W	2.7883e-03	CTGTCTCCT- --ATCTCCGA	
MA0150.1_NFE2L2	3.3321e-03	--CTGTCTCCT TGCTNWTGTCAY	
MA0422.1_YDR520C	3.4021e-03	CTGTCTCCT- NTAWNTCCGN	
MA0099.2_API	4.0716e-03	AGGAGACAG -TGAGTCA-	
MA0272.1_ARG81	4.8595e-03	AGGAGACAG -NGAGTCAN	
MA0437.1_YPR196W	5.4658e-03	AGGAGACAG CGGRNAAAT	
MA0160.1_NR4A2	5.9541e-03	CTGTCTCCT- --GTGACCTT	

M45



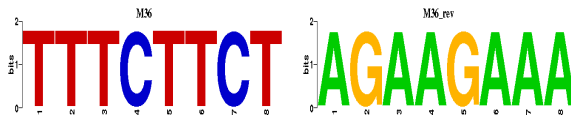
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0354.1_PDR8	6.2682e-04	TCTCTCCT- -ATCTCCGN	
MA0432.1_YNR063W	6.5882e-04	-AGGAGAGA TCGGAGAT-	
MA0422.1_YDR520C	8.3989e-04	-TCTCTCCT- NTAWNTCCGN	
MA0437.1_YPR196W	8.7860e-04	AGGAGAGA- CGGRNAAAT	
MA0140.1_Tal1_Gata1	1.1054e-03	----TCTCTCCT----- NTTATCTNNNNNNNNCNN	
MA0009.1_T	1.1979e-03	-TCTCTCCT-- TTCACACCTAG	
MA0205.1_Tr1	3.5160e-03	AGGAGAGA-- NNGAGAGNNR	
MA0312.1_HAP1	4.0717e-03	TCTCTCCT NAWNTCCG	
MA0439.1_YRR1	4.9509e-03	-AGGAGAGA-- NCGGANATANN	
MA0149.1_EWSR1-FLI1	5.3555e-03	---AGGAGAGA----- GGAAGGAAGGAAGGAAGG	






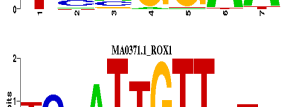

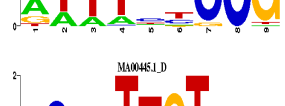


M53



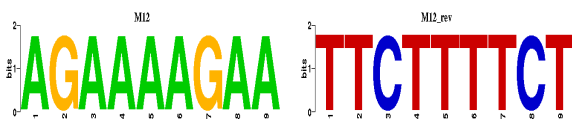
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0156.1_FEV	1.6912e-04	CTCTCCTG AYTTCCTG	
MA0086.1_sna	1.7218e-04	CTCTCCTG --CACCTG	
MA0354.1_PDR8	6.2682e-04	CTCTCCTG ATCTCCGN	
MA0432.1_YNR063W	6.5882e-04	CAGGAGAG TCGGAGAT	
MA0364.1_REI1	1.2021e-03	-CAGGAGAG NCAGGGG--	
MA0062.1_GABPA	1.3783e-03	CTCTCCTG-- SNCTTCCGGT	
MA0312.1_HAP1	4.0717e-03	-CTCTCCTG NAWNTCCG-	
MA0144.1_Stat3	4.4120e-03	CTCTCCTG--- -CTTCCNGGAA	
MA0409.1_TYE7	5.3489e-03	CTCTCCTG -TCACGTG	
MA0287.1_CUP2	5.6072e-03	CAGGAGAG--- CAGCARAAWG	

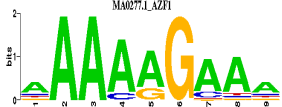


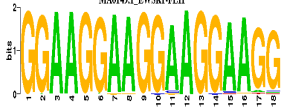

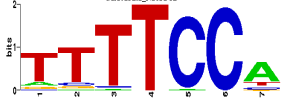


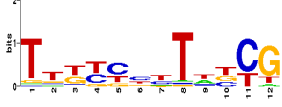
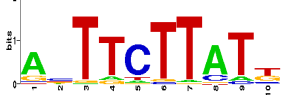
M36



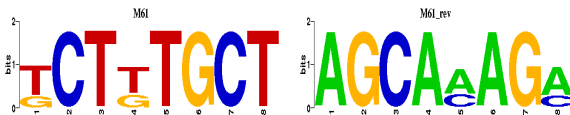
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	6.6380e-08	TTTCTTCT- TTTCTTTT	
MA0287.1_CUP2	2.7138e-06	-AGAAGAAA-- CAGCARAAWG	
MA0377.1_SFL1	4.7104e-06	-----TTTCTTCT----- WNWNNWTCTTCNNTNNNNNN	
MA0127.1_PEND	3.7302e-05	-AGAAGAAA- MATAAGAANT	
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-	



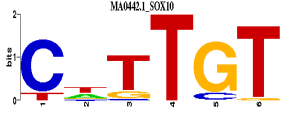
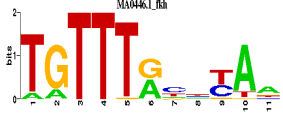


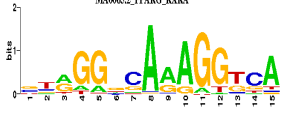



M12



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	4.2125e-08	AGAAAAGAA- -AAAAAGAAA	
MA0029.1_Evi1	4.7046e-05	----TTCTTTTCT- NNTTATCTTRTCTN	
MA0013.1_br_Z4	1.6339e-04	-TTCTTTTCT- WTWNTTTACTA	
MA0149.1_EWSR1-FLI1	3.3415e-04	---AGAAAAGAA----- GGAAGGAAGGAAGGAAGG	
MA0370.1_RME1	3.7827e-04	TTCTTTTCT- TNCCTTTNNA	
MA0152.1_NFATC2	3.9635e-04	-AGAAAAGAA TGGAAAA---	
MA0388.1_SPT23	4.1677e-04	TTCTTTTCT TTSATTTY-	
MA0287.1_CUP2	4.1999e-04	----AGAAAAGAA CAGCARAAAWG--	
MA0120.1_id1	6.5498e-04	AGAAAAGAA--- CGNNANNRRMNA	
MA0127.1_PEND	7.0187e-04	AGAAAAGAA-- -MATAAGAANT	

M61



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0326.1_MAC1	2.2798e-06	TCTTTGCT-- --TTTGCTCR	
MA0287.1_CUP2	1.6583e-04	--TCTTTGCT- CWTTTTTGCTG	
MA0442.1_SOX10	1.8681e-04	AGCAAAGA -ACAAWG-	
MA0446.1_fkh	2.0410e-04	TCTTTGCT--- TGTTTRNNYAN	
MA0148.1_FOXA1	2.2197e-04	---AGCAAAGA NWRWGYAAACA	
MA0053.1_MNB1A	8.8145e-04	TCTTTGCT NCTTT---	
MA0065.2_PPARG_RXRA	1.1881e-03	---TCTTTGCT---- TGMCCTTTGNCCYNN	
MA0244.1_slbo	1.5069e-03	TCTTTGCT-- --TKNGYAAT	
MA0368.1_RIM101	2.1679e-03	AGCAAAGA YGCCAAG-	
MA0332.1_MET28	2.3554e-03	AGCAAAGA -CCACAG-	

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