

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

Input file: 42 motifs loaded

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

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

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

[Download results as a PDF](#)

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

Multiple Alignment

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

```

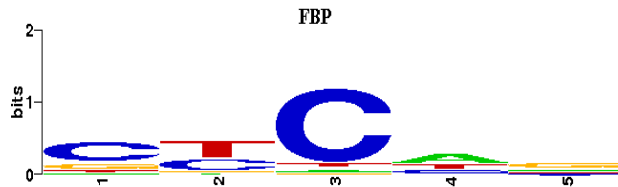
M0 :          -AAAAAAAA-----
M1 :          ----TTTTAAAA-
M2 :          -CAAGGTCA-----
M3 :          -CACACACA-----
M4 :          -CCTCCTCC-----
M5 :          ----CCTCCCTC-
M6 :          -----CCCAGCCC
M7 :          -----CTCTGCCT
M8 :          ----TTTCCTTT-
M9 :          ----TTTCTTTC-
M10 :         --CAGCTCTG---
M11 :         -CTGTCTCC----
M12 :         -----CTCTGTCC
M13 :         --TCCCTCTG---
M14 :         ---AGGTCAGG--
M15 :         ---TCCCCAGG--
M16 :         -AGGCAGCA-----
M17 :         ----TCCCTTCT-
M18 :         --CCCCTCCA---
M19 :         -GGCTGCCA-----
M20 :         ----ACCCACAG-
M21 :         ---AGCTCAGA--
M22 :         -TCTGCCCA-----

```

```

M23:      ----AGCCAGCT-
M24:      --GAGCTCAG---
M25:      ---GCCTCCAC--
M26:      -TGGCCCCT----
M27:      -CACCTCT----
M28:      ---GTCCTGC--
M29:      -----CCCAGCTT
M30:      ---AAGCCAAG--
M31:      --AGGCTCCA---
M32:      --GGCCCCTG---
M33:      -GTGICTCT----
M34:      GCAGGCTC-----
M35:      -----GGCCACTG-
M36:      --CCCTTCAG---
M37:      -----CCCAAGCA
M38:      -----GTCACACA
M39:      ---CTGTCAGC--
M40:      -----TGCATGCA
M41:      -AGGTCTCC----
    
```

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

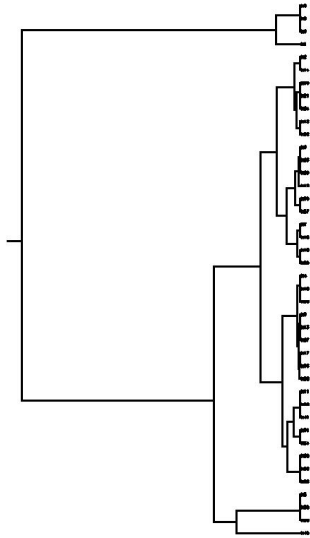


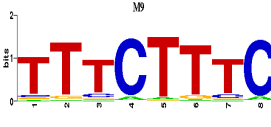
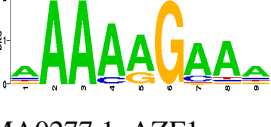
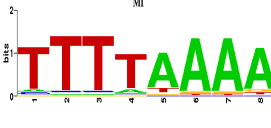

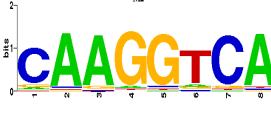
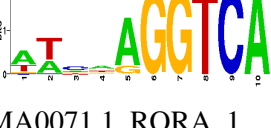

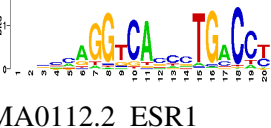

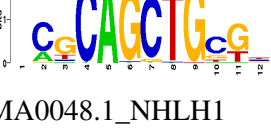

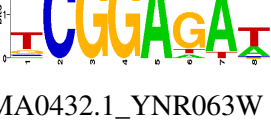


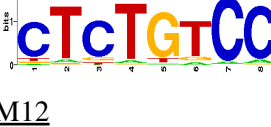
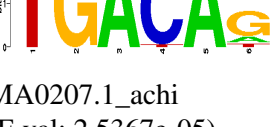
Motif Tree

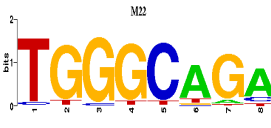
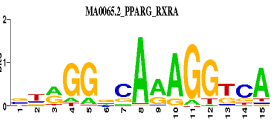
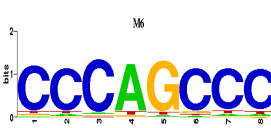
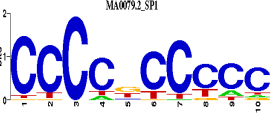
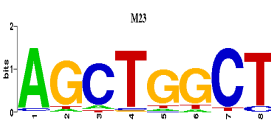

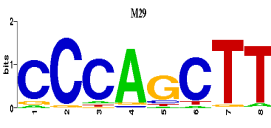

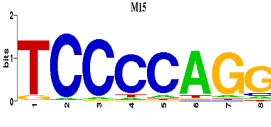
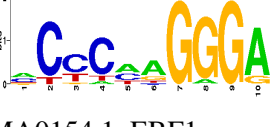
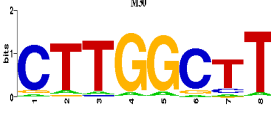


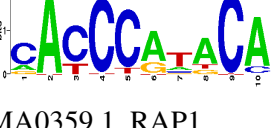


Tree (drawn by [Phylip](#))

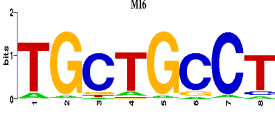
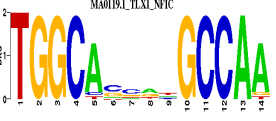


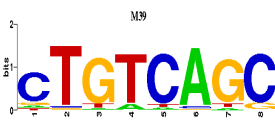

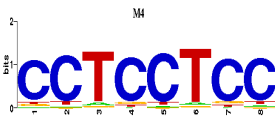
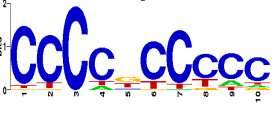
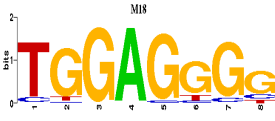
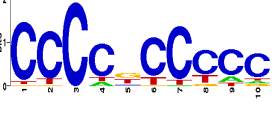
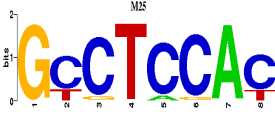
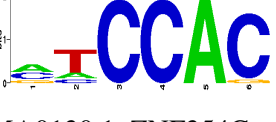
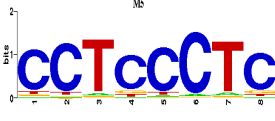
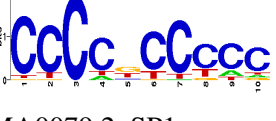
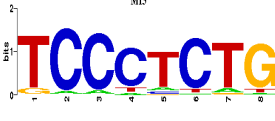
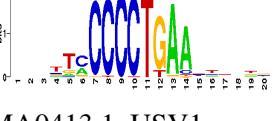
[Click here for Newick-format tree \(viewable with MEGA\)](#)

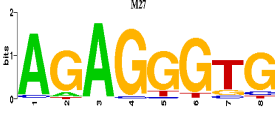
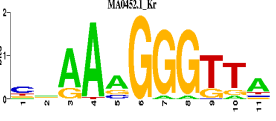
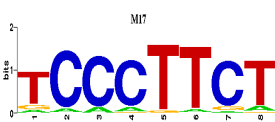
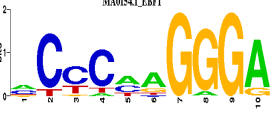
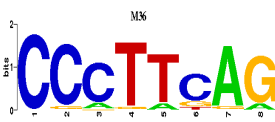

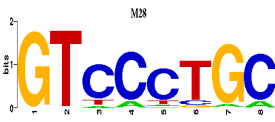

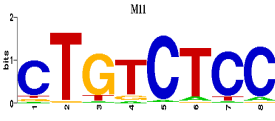

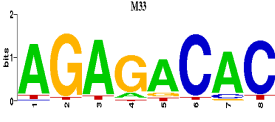

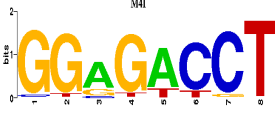

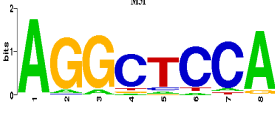
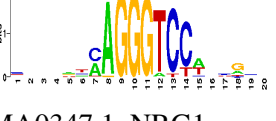
	Input Motif	Best match in JASPAR
M0		<p>MA0277.1_AZF1 (E val: 6.4900e-08)</p>
M8		<p>MA0277.1_AZF1 (E val: 3.7818e-09)</p>

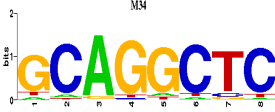







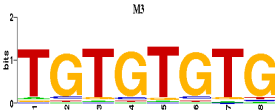
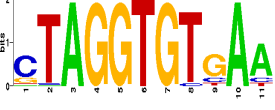
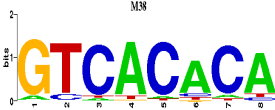

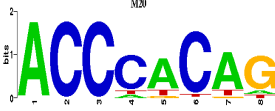





<p>M9</p> 	<p>MA0277.1_AZF1 (E val: 4.6799e-09)</p> 
<p>M1</p> 	<p>MA0151.1_ARID3A (E val: 7.0486e-05)</p> 
<p>M2</p> 	<p>MA0071.1_RORA_1 (E val: 6.4736e-12)</p> 
<p>M14</p> 	<p>MA0112.2_ESR1 (E val: 2.3809e-09)</p> 
<p>M10</p> 	<p>MA0048.1_NHLH1 (E val: 1.9898e-03)</p> 
<p>M21</p> 	<p>MA0432.1_YNR063W (E val: 7.6028e-04)</p> 
<p>M24</p> 	<p>MA0326.1_MAC1 (E val: 1.9115e-03)</p> 
<p>M12</p> 	<p>MA0207.1_achi (E val: 2.5367e-05)</p> 

 <p>M22</p>	 <p>MA0065.2_PPARG_RXRA (E val: 8.5743e-05)</p>
 <p>M6</p>	 <p>MA0079.2_SP1 (E val: 1.6472e-06)</p>
 <p>M23</p>	 <p>MA0267.1_ACE2 (E val: 1.9387e-04)</p>
 <p>M29</p>	 <p>MA0323.1_IXR1 (E val: 1.4104e-04)</p>
 <p>M15</p>	 <p>MA0154.1_EBF1 (E val: 1.9961e-06)</p>
 <p>M30</p>	 <p>MA0368.1_RIM101 (E val: 1.6409e-07)</p>
 <p>M37</p>	 <p>MA0359.1_RAP1 (E val: 1.3104e-04)</p>
 <p>M7</p>	 <p>MA0283.1_CHA4 (E val: 3.7999e-05)</p>

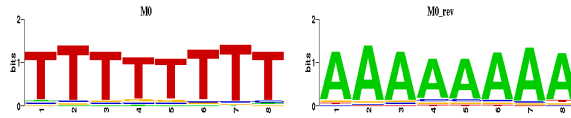
<p>M16</p> 	<p>MA0119.1_TLX1_NFIC (E val: 1.4523e-04)</p> 
<p>M19</p> 	<p>MA0304.1_GCR1 (E val: 1.0157e-07)</p> 
<p>M39</p> 	<p>MA0207.1_achi (E val: 5.6847e-09)</p> 
<p>M4</p> 	<p>MA0079.2_SP1 (E val: 1.6635e-06)</p> 
<p>M18</p> 	<p>MA0079.2_SP1 (E val: 1.2156e-06)</p> 
<p>M25</p> 	<p>MA0130.1_ZNF354C (E val: 1.5920e-06)</p> 
<p>M5</p> 	<p>MA0079.2_SP1 (E val: 9.6834e-06)</p> 
<p>M13</p> 	<p>MA0413.1_USV1 (E val: 1.8758e-05)</p> 

 <p>M27</p>	 <p>MA0452.1_Kr (E val: 3.1774e-04)</p>
 <p>M17</p>	 <p>MA0154.1_EBF1 (E val: 1.8653e-04)</p>
 <p>M36</p>	 <p>MA0247.1_tin (E val: 1.8392e-04)</p>
 <p>M28</p>	 <p>MA0364.1_REI1 (E val: 1.9917e-04)</p>
 <p>M11</p>	 <p>MA0207.1_achi (E val: 2.4513e-05)</p>
 <p>M33</p>	 <p>MA0271.1_ARG80 (E val: 2.9176e-04)</p>
 <p>M41</p>	 <p>MA0112.1_ESR1 (E val: 4.8057e-05)</p>
 <p>M31</p>	 <p>MA0347.1_NRG1 (E val: 4.9922e-05)</p>

<p>M34</p>  <p>M34</p>	<p>MA0086.1_sna</p>  <p>MA0086.1_sna (E val: 6.8030e-03)</p>
<p>M26</p>  <p>M26</p>	<p>MA0366.1_RGM1</p>  <p>MA0366.1_RGM1 (E val: 2.6611e-06)</p>
<p>M32</p>  <p>M32</p>	<p>MA0364.1_REI1</p>  <p>MA0364.1_REI1 (E val: 1.9019e-07)</p>
<p>M35</p>  <p>M35</p>	<p>MA0373.1_RPN4</p>  <p>MA0373.1_RPN4 (E val: 1.1476e-04)</p>
<p>M3</p>  <p>M3</p>	<p>MA0009.1_T</p>  <p>MA0009.1_T (E val: 1.0706e-03)</p>
<p>M38</p>  <p>M38</p>	<p>MA0009.1_T</p>  <p>MA0009.1_T (E val: 3.3720e-05)</p>
<p>M20</p>  <p>M20</p>	<p>MA0332.1_MET28</p>  <p>MA0332.1_MET28 (E val: 5.3512e-09)</p>
<p>M40</p>  <p>M40</p>	<p>MA0254.1_vv1</p>  <p>MA0254.1_vv1 (E val: 2.4741e-04)</p>

Motif Similarity Matches

M0

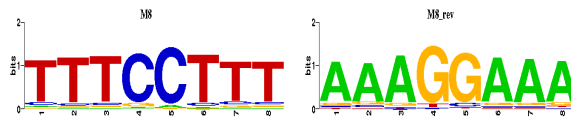


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	6.4900e-08	-TTTTTTTT TTTCTTTTT	
MA0049.1_hb	3.0728e-06	-TTTTTTTT- NTTTTTNYKS	
MA0041.1_Foxd3	7.8954e-05	----TTTTTTTT NAWTGTTTNTTT	
MA0120.1_id1	4.4407e-04	----AAAAAAAA CGNNANRRMNA	
MA0010.1_br_Z1	1.1876e-03	-TTTTTTTT----- NWYTTGTYTATNAN	

M8



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	3.7818e-09	TTTCCTTT- TTTCTTTTT	
MA0370.1_RME1	2.1654e-08	TTTCCTTT--- -TNCCTTTNNA	

Stamp Results

10/01/13

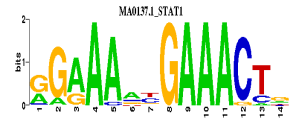
MA0120.1_id1 6.6824e-07

---AAAGGAAA--
CGNNANRRMNA



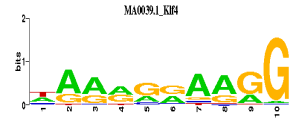
MA0137.1_STAT1 3.4558e-06

---AAAGGAAA---
RGAAANNGAAACTN

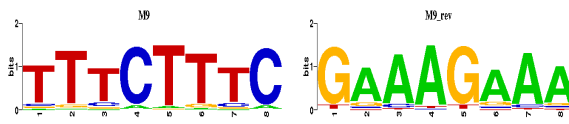


MA0039.1_Klf4 6.9246e-06

-TTTCCTTT-
CCTTYYTNN



M9



forward

reverse compliment

Name

E value

Alignment

Motif

MA0277.1_AZF1

4.6799e-09

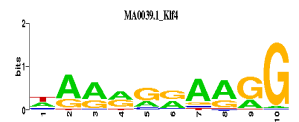
TTTCTTTC-
TTTCTTTTT



MA0039.1_Klf4

3.0915e-05

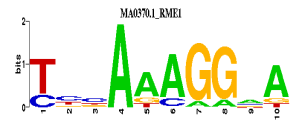
--TTTCTTTC
CCTTYYTNN



MA0370.1_RME1

5.5631e-05

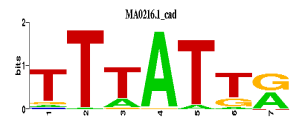
TTTCTTTC--
TNCCTTNNNA



MA0216.1_cad

1.3205e-03

GAAAGAAA
-YAATAAA

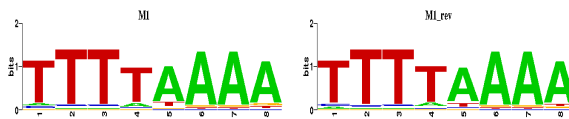


MA0149.1_EWSR1-FLI1 1.5374e-03

-----TTTCTTTC-
CCTTCCTTCCTTCCTTC

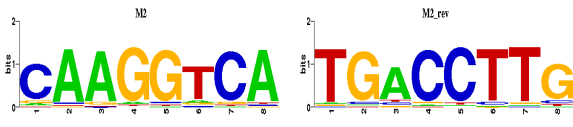


M1



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0151.1_ARID3A	7.0486e-05	TTTTAAAA -TTTAAT-	
MA0218.1_ct	1.3008e-03	TTTTAAAA GTTYAA--	
MA0173.1_CG11617	1.5523e-03	TTTTAAAA- --TTWACAT	
MA0108.1_TBP	1.5945e-03	-----TTTTAAAA NNNNNNYWTTTATAN	
MA0108.2_TBP	1.5987e-03	-----TTTTAAAA NNNNNNYWTTTATAN	

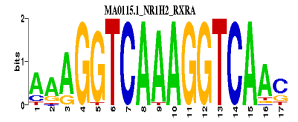
M2



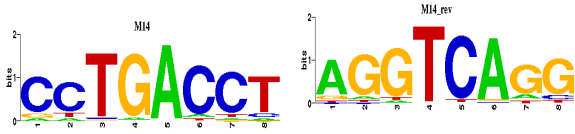
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0071.1_RORA_1	6.4736e-12	TGACCTTG-- TGACCTNNWW	
MA0141.1_Esrb	7.6831e-12	TGACCTTG---- TGACCTTGRNN	
MA0160.1_NR4A2	7.8055e-10	-TGACCTTG GTGACCTT-	
MA0440.1_ZAP1	1.3499e-07	--TGACCTTG----- CATNACCTTKARGGT	

MA0115.1_NR1H2_RXRA 3.6822e-07

--TGACCTG-----
STTGACCTTTGACCTTT



M14

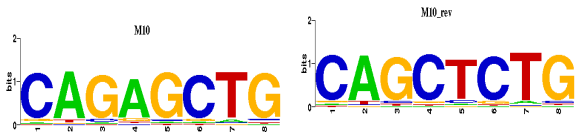


forward

reverse compliment

Name	E value	Alignment	Motif
MA0112.2_ESR1	2.3809e-09	-----CCTGACCT NNNNNAGGTCANNNTGACCY	
MA0258.1_ESR2	4.0464e-07	-----CCTGACCT-- NAGGNCANNNTGACCYNN	
MA0160.1_NR4A2	1.8304e-06	CCTGACCT- -GTGACCTT	
MA0071.1_RORA_1	1.3384e-05	CCTGACCT---- --TGACCTNNWW	
MA0440.1_ZAP1	2.7656e-05	-----AGGTCAGG ACCYTMAAGGTNATG	






M10



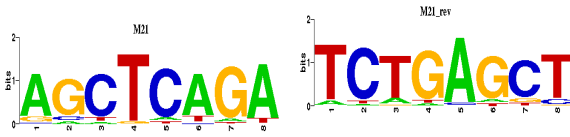
forward

reverse compliment

Name	E value	Alignment	Motif
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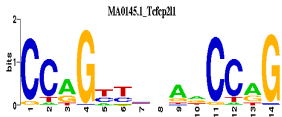

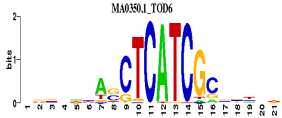
MA0048.1_NHLH1	1.9898e-03	-CAGAGCTG--- NCGCAGCTGCGN	
MA0335.1_MET4	3.9940e-03	CAGCTCTG- -ANCTGTGG	
MA0389.1_SRD1	4.7155e-03	-CAGAGCTG NNAGATCT-	
MA0451.1_kni	1.0790e-02	CAGCTCTG---- NTGCTCTANTTT	
MA0121.1_ARR10	1.1499e-02	CAGAGCTG- -AGATNYKN	

M21



forward

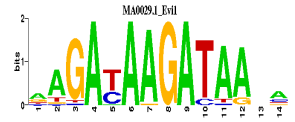
reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0432.1_YNR063W	7.6028e-04	AGCTCAGA ATCTCCGA	
MA0145.1_Tcfp211	1.5159e-03	----TCTGAGCT-- CYGGNTNNRNCYGG	
MA0326.1_MAC1	2.4825e-03	TCTGAGCT-- --YGAGCAA	
MA0350.1_TOD6	3.0021e-03	-----TCTGAGCT----- NNNNNGCGATGAGSTNNNNNN	

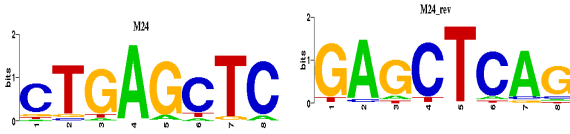
MA0029.1_Evi1

5.9588e-03

-----TCTGAGCT--
NNTTATCTTRTCTN



M24



forward

reverse compliment

Name

E value

Alignment

Motif

MA0326.1_MAC1

1.9115e-03

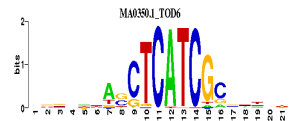
CTGAGCTC--
-YGAGCAA



MA0350.1_TOD6

5.0284e-03

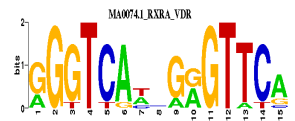
-----CTGAGCTC-----
NNNNNGCGATGAGSTNNNNNN



MA0074.1_RXRA_VDR

5.8205e-03

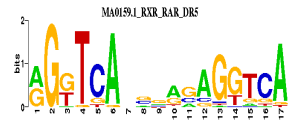
CTGAGCTC-----
-TGAACYCNNTGACCC



MA0159.1_RXR_RAR_DR5

5.8708e-03

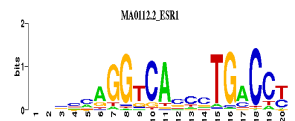
CTGAGCTC-----
-TGACCTNYNNNTGAMCY



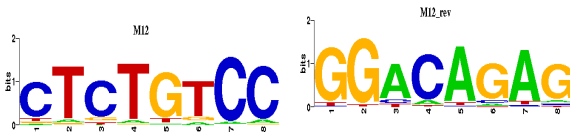
MA0112.2_ESR1

7.1667e-03

GAGCTCAG-----
-RGGTCANNNTGACCTNNNNN



M12



forward

reverse compliment

Name


E value

Alignment

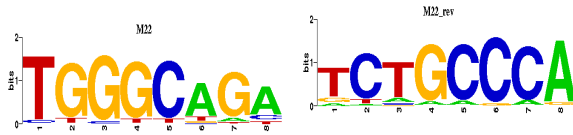
Motif

Stamp Results

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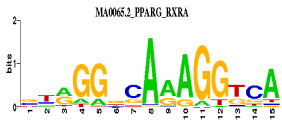
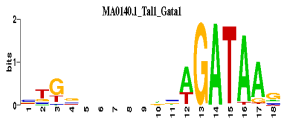
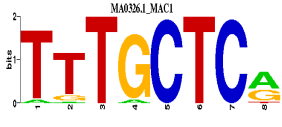
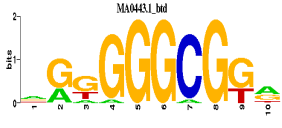
MA0207.1_achi	2.5367e-05	CTCTGTCC --CTGTCA	
MA0138.1_REST	3.9838e-05	-CTCTGTCC----- GNGCTGTCCNWGGTGCTGA	
MA0138.2_REST	6.0357e-05	-----GGACAGAG-- NTCAGCACCNNGGACAGCNC	
MA0227.1_hth	7.2401e-05	CTCTGTCC --CTGTCA	
MA0140.1_Tal1_Gata1	1.6525e-04	---CTCTGTCC----- NTTATCTNNNNNNNNNCNN	

M22



forward

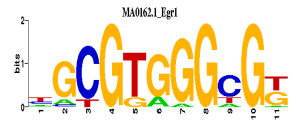
reverse compliment

Name	E value	Alignment	Motif
MA0065.2_PPARG_RXRA	8.5743e-05	-----TCTGCCCA-- TGMCCTTTGNCCYNN	
MA0140.1_Tal1_Gata1	2.6314e-04	---TCTGCCCA----- NTTATCTNNNNNNNNNCNN	
MA0326.1_MAC1	4.5163e-04	TGGGCAGA YGAGCAAA	
MA0443.1_btd	1.1203e-03	--TGGGCAGA NGKGGGCGGR	

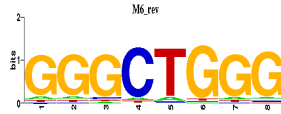
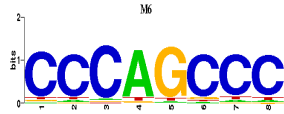
MA0162.1_Egr1

2.7998e-03

TCTGCCCA-----
-MCGCCCACGCN



M6

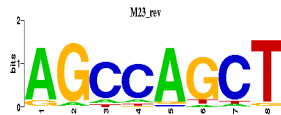
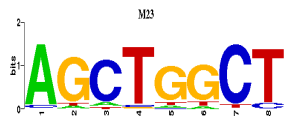


forward

reverse compliment

Name	E value	Alignment	Motif
MA0079.2_SP1	1.6472e-06	--GGGCTGGG GGGGNGGGG	
MA0039.2_Klf4	5.3543e-05	-CCCAGCCC- GCCMCRCCCN	
MA0079.1_SP1	6.0702e-05	-CCCAGCCC- ACCCNGCCNN	
MA0267.1_ACE2	1.8716e-04	GGGCTGGG -NGCTGGN	
MA0402.1_SWI5	5.5245e-04	-CCCAGCCC NACCAGCA-	




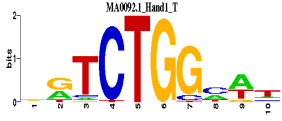

M23



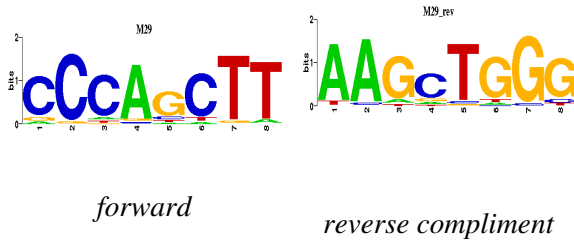
forward





reverse compliment

Name	E value	Alignment	Motif
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MA0267.1_ACE2	1.9387e-04	AGCTGGCT NGCTGGN-	
MA0402.1_SWI5	6.6030e-04	AGCCAGCT NACCAGCA	
MA0373.1_RPN4	2.0162e-03	AGCTGGCT -GGTGGCG	
MA0092.1_Hand1_T	3.1799e-03	-AGCCAGCT- NWNCCAGAYN	
MA0055.1_Myf	5.3756e-03	----AGCTGGCT CAGCAGYTGCYK	

M29



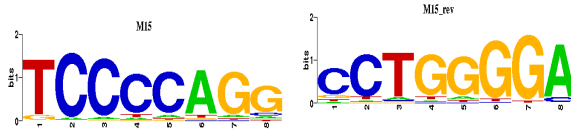
Name	E value	Alignment	Motif
MA0323.1_IXR1	1.4104e-04	CCCAGCTT----- CMCCGCTTCCGGYTT	
MA0164.1_Nr2e3	1.7391e-04	AAGCTGGG AAGCTTN-	
MA0267.1_ACE2	1.7778e-04	AAGCTGGG -NGCTGGN	
MA0048.1_NHLH1	2.2582e-04	---AAGCTGGG- NCGCAGCTGCGN	

MA0402.1_SWI5 4.3563e-04

-CCCAGCTT
NACCAGCA-



M15



forward

reverse compliment

Name E value Alignment Motif

MA0154.1_EBF1 1.9961e-06

--CCTGGGGA
TCCCTNGGGN



MA0344.1_NHP10 1.4694e-05

TCCCAGG
TCCCAGN



MA0056.1_MZF1_1-4 2.0076e-05

TCCCAGG
TCCCN--



MA0332.1_MET28 1.5632e-04

TCCCAGG
-CCACAG-

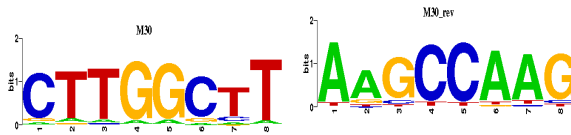


MA0436.1_YPR022C 2.1886e-04

CCTGGGGA
NGTGGGG-





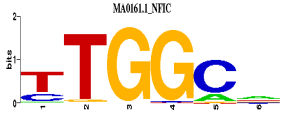
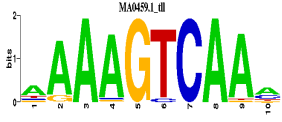

M30



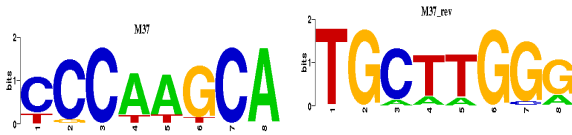
forward

reverse compliment

Name E value Alignment Motif

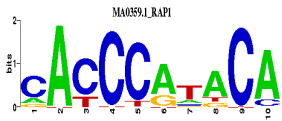



MA0368.1_RIM101	1.6409e-07	CTTGGCTT CTTGGCR-	
MA0263.1_ttx-3_c	1.4201e-06	-----AAGCCAAG YTAACKAARCCAAT	
MA0161.1_NFIC	4.1859e-05	AAGCCAAG -NGCCA-	
MA0459.1_tll	4.7538e-05	CTTGGCTT-- KTTGACTTTT	
MA0313.1_HAP2	1.8807e-04	AAGCCAAG --RCCA-	

M37



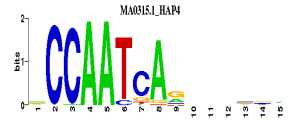
forward

reverse compliment

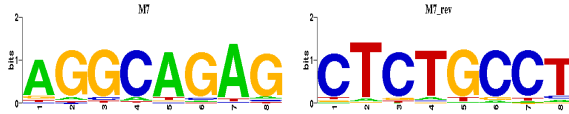
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0359.1_RAP1	1.3104e-04	TGCTTGGG-- TGTATGGGTG	
MA0368.1_RIM101	2.2207e-04	TGCTTGGG- --CTTGGCR	
MA0154.1_EBF1	2.7087e-04	-TGCTTGGG- TCCCTNGGNN	
MA0417.1_YAP5	3.8712e-04	-TGCTTGGG ATGCTT---	

MA0315.1_HAP4 7.3804e-04

-----TGCTGGG
NNNNNNYTGATTGGN



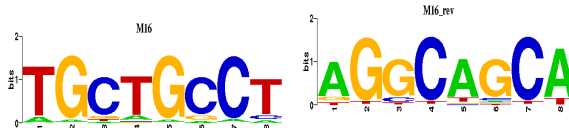
M7



forward *reverse compliment*

Name	E value	Alignment	Motif
MA0283.1_CHA4	3.7999e-05	-CTCTGCCT NCTCCGCC-	
MA0065.2_PPARG_RXRA	9.5934e-05	---CTCTGCCT--- TGMCCTTTGNCCYNN	
MA0062.1_GABPA	2.4843e-04	CTCTGCCT-- SNCTTCCGGT	
MA0340.1_MOT3	3.2230e-04	CTCTGCCT- ---TRCCTN	
MA0080.2_SPI1	8.5847e-04	CTCTGCCT -ACTTCT	

M16



forward *reverse compliment*

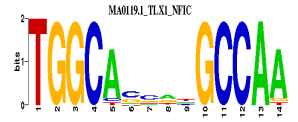
Name *E value* *Alignment* *Motif*

Stamp Results

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MA0119.1_TLX1_NFIC 1.4523e-04

AGGCAGCA-----
TGGCASNNNGCCAA



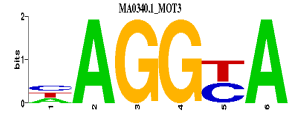
MA0055.1_Myf 1.5455e-04

----TGCTGCCT
CAGCAGYTGCYK



MA0340.1_MOT3 2.6689e-04

TGCTGCCT-
---TRCCTN



MA0402.1_SWI5 8.7926e-04

AGGCAGCA
NACCAGCA

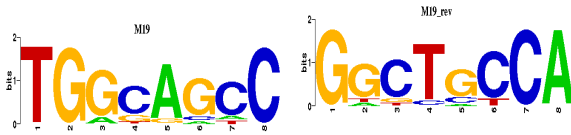


MA0305.1_GCR2 1.2664e-03

AGGCAGCA
NGGAAGC-



M19



forward

reverse compliment

Name

E value

Alignment

Motif

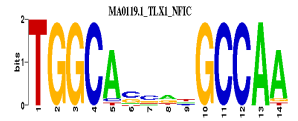
MA0304.1_GCR1 1.0157e-07

GGCTGCCA
GGCTTCCA



MA0119.1_TLX1_NFIC 4.1803e-05

TGGCAGCC-----
TGGCASNNNGCCAA



MA0207.1_achi 1.0276e-04

TGGCAGCC
TGACAG--



MA0227.1_hth 2.5480e-04

GGCTGCCA
--CTGTCA



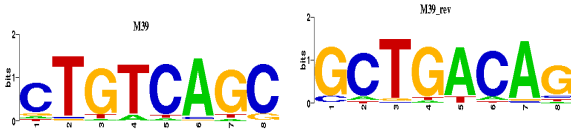
MA0365.1_RFX1

3.3249e-04

TGGCAGCC
TRGCAACN



M39

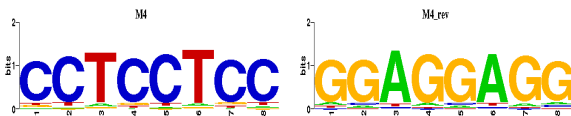


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	5.6847e-09	CTGTCAGC CTGTCA--	
MA0227.1_hth	1.7507e-08	GCTGACAG --TGACAG	
MA0252.1_vis	1.9271e-05	CTGTCAGC NTGTCA--	
MA0298.1_FZF1	1.8324e-04	GCTGACAG --TGATAG	
MA0155.1_INSM1	6.0820e-04	-----GCTGACAG YGCCCCCTGRCA-	

M4



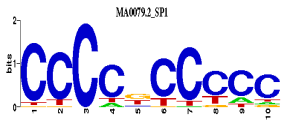


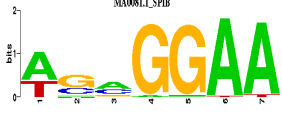

forward

reverse compliment

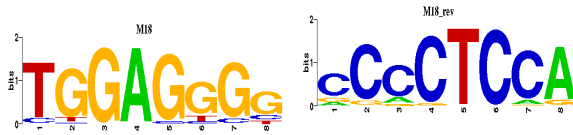
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Stamp Results

10/01/13

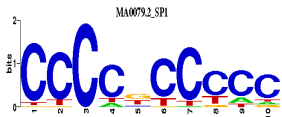



MA0079.2_SP1	1.6635e-06	GGAGGAGG-- GGGGGNGGGG	
MA0283.1_CHA4	3.2025e-05	CCTCCTCC NCTCCGCC	
MA0062.1_GABPA	3.1970e-04	CCTCCTCC--- -SNCTTCCGGT	
MA0081.1_SPIB	8.2804e-04	CCTCCTCC -TTCKST	
MA0080.2_SPI1	8.6181e-04	-CCTCCTCC ACTTCT--	

M18



forward

reverse compliment

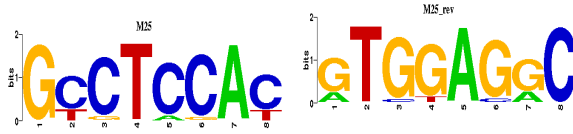
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.2156e-06	CCCCTCCA-- CCCNCCCC	
MA0342.1_MSN4	2.6663e-06	TGGAGGGG ---AGGGG	
MA0366.1_RGM1	2.7404e-06	CCCCTCCA CCCCT---	
MA0341.1_MSN2	6.9840e-06	CCCCTCCA CCCCT---	

MA0364.1_REI1 2.3304e-04

CCCCTCCA
CCCCTGN-



M25

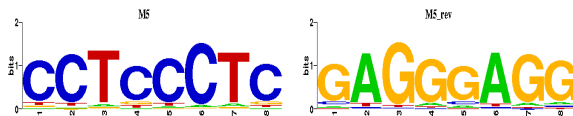


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0130.1_ZNF354C	1.5920e-06	GTGGAGGC GTGGAK--	
MA0304.1_GCR1	7.5084e-05	-GCCTCCAC GGCTTCCA-	
MA0373.1_RPN4	1.5871e-03	GCCTCCAC- --CGCCACC	
MA0140.1_Tal1_Gata1	1.8531e-03	---GTGGAGGC----- NNGNNNNNNNNAGATAAN	
MA0436.1_YPR022C	1.9430e-03	-GTGGAGGC NGTGGGG--	

M5



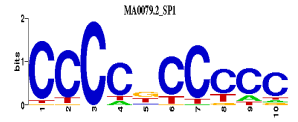
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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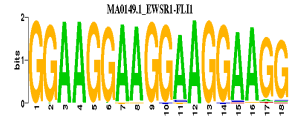
MA0079.2_SP1 9.6834e-06

GAGGGAGG--
GGGGNGGGG



MA0149.1_EWSR1-FLI1 1.1415e-03

-----CCTCCCTC--
CCTTCCTTCCTTCCTTC



MA0080.2_SP1 1.1419e-03

CCTCCCTC
ACTTCCT-



MA0443.1_btd 1.5766e-03

-CCTCCCTC-
YCCGCCMCN

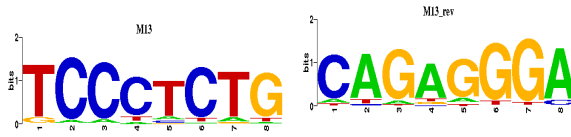


MA0366.1_RGM1 1.8225e-03

CCTCCCTC
--CCCCT-



M13



forward

reverse compliment

Name

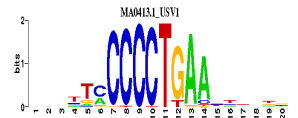
E value

Alignment

Motif

MA0413.1_USV1 1.8758e-05

----TCCCTCTG-----
NNNNTMCCCCTGAANNNNNN



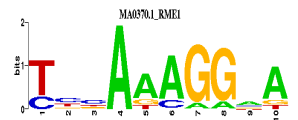
MA0081.1_SPIB 6.5114e-05

TCCCTCTG
TTCKST-



MA0370.1_RME1 6.0667e-04

TCCCTCTG--
TNCCTTTNNA



MA0057.1_MZF1_5-13 6.6957e-04

-CAGAGGGA-
NKAGGGGNAN



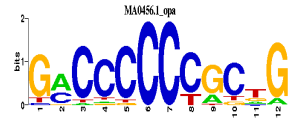
Stamp Results

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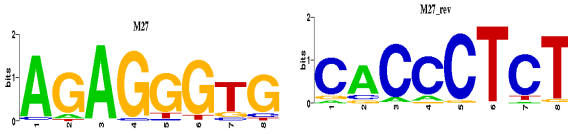
MA0456.1_opa

7.3080e-04

CAGAGGGA----
CNGCGGGGGGKC



M27



forward

reverse compliment

Name

E value

Alignment

Motif

MA0452.1_Kr

3.1774e-04

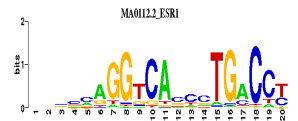
-CACcCTCT--
TAACCCYTTNN



MA0112.2_ESR1

6.8301e-04

---AGAGGGTG-----
RGGTCANNNTGACCTNNNNN



MA0270.1_AFT2

7.2050e-04

AGAGGGTG--
--NGGGTGTN



MA0057.1_MZF1_5-13

7.8809e-04

--CACcCTCT
NTNCCCCTMN



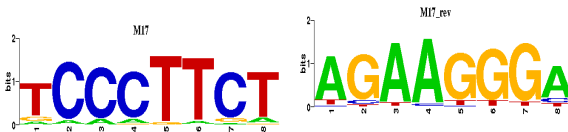
MA0366.1_RGM1

1.8905e-03

CACcCTCT
-CCCCT--



M17



forward

reverse compliment

Name

E value

Alignment

Motif

Stamp Results

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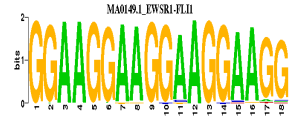
MA0154.1_EBF1 1.8653e-04

TCCCTTCT--
TCCCTNGGGN



MA0149.1_EWSR1-FLI1 1.6494e-03

-----TCCCTTCT
CCTTCCTTCCTTCCTTC



MA0366.1_RGM1 1.9011e-03

TCCCTTCT
CCCCT---



MA0342.1_MSN4 2.1393e-03

AGAAGGGA
---AGGGG

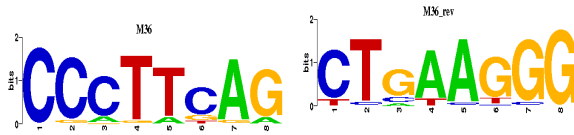


MA0341.1_MSN2 4.0507e-03

TCCCTTCT
CCCCT---



M36



forward

reverse compliment

Name

E value

Alignment

Motif

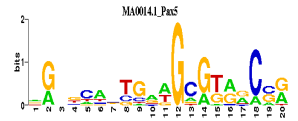
MA0247.1_tin 1.8392e-04

CTGAAGGG
YTCAAGTG



MA0014.1_Pax5 2.4998e-04

-----CCCTTCAG-----
YSGYYMCGCWNCRRNNNNNCN



MA0154.1_EBF1 3.8462e-04

-CCCTTCAG-
TCCCTNGGGN



MA0366.1_RGM1 1.8790e-03

-CCCTTCAG
CCCCT----

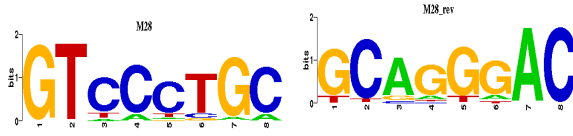


MA0342.1_MSN4 2.1245e-03

-CCCTTCAG
CCCCT----



M28

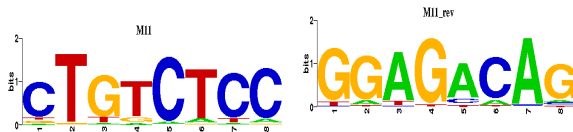


forward

reverse compliment

Name	E value	Alignment	Motif
MA0364.1_REI1	1.9917e-04	GCAGGGAC NCAGGGG-	
MA0154.1_EBF1	6.5942e-04	GTCCTGC--- -TCCCTNGGN	
MA0366.1_RGM1	2.0404e-03	GTCCTGC -CCCCT--	
MA0342.1_MSN4	2.0630e-03	GTCCTGC -CCCCT--	
MA0338.1_MIG2	2.3345e-03	-GCAGGGAC NGYGGGG--	



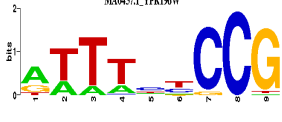


M11



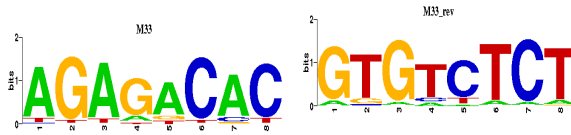
forward

reverse compliment

Name	E value	Alignment	Motif
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MA0207.1_achi	2.4513e-05	CTGTCTCC CTGTCA--	
MA0227.1_hth	6.1467e-05	CTGTCTCC CTGTCA--	
MA0437.1_YPR196W	6.6658e-04	--GGAGACAG CGGRNAAAT	
MA0354.1_PDR8	7.0360e-04	CTGTCTCC-- --ATCTCCGN	
MA0432.1_YNR063W	7.1358e-04	CTGTCTCC-- --ATCTCCGA	

M33



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0271.1_ARG80	2.9176e-04	AGAGACAC --WGACNC	
MA0204.1_Six4	1.0750e-03	GTGTC TCT GTNTCA--	
MA0288.1_CUP9	2.1088e-03	---GTGTC TCT WWTGTGTCA--	
MA0099.2_API	2.3667e-03	AGAGACAC TGAGTCA-	

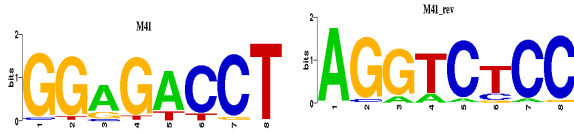
MA0099.1_Fos

2.5467e-03

AGAGACAC
TGANTCAC



M41

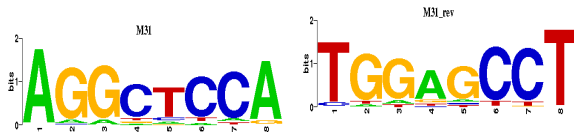


forward

reverse compliment

Name	E value	Alignment	Motif
MA0112.1_ESR1	4.8057e-05	-----GGAGACCT-- NNGGYCANNNGTGACCTNN	
MA0112.2_ESR1	5.0970e-05	-----GGAGACCT----- RGGTCANNNTGACCTNNNNN	
MA0160.1_NR4A2	6.2897e-05	-AGGTCTCC AAGGTCAC-	
MA0258.1_ESR2	1.3722e-04	-AGGTCTCC----- NAGGNCANNNTGACCYN	
MA0066.1_PPARG	4.9624e-04	---AGGTCTCC----- ANTRGGTCACNNTGACCTAN	

M31



forward

reverse compliment

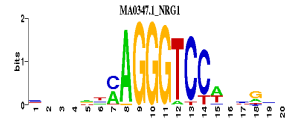
Name	E value	Alignment	Motif
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Stamp Results

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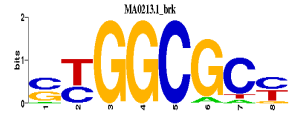
MA0347.1_NRG1 4.9922e-05

-----TGGAGCCT-----
NNNNNWGGACCCTKNNNNNN



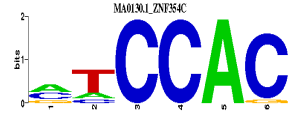
MA0213.1_brk 2.7975e-04

AGGCTCCA-
-RGCGCCRS



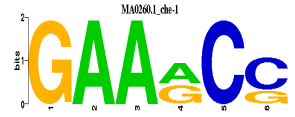
MA0130.1_ZNF354C 8.9059e-04

-TGGAGCCT
GTGGAK---



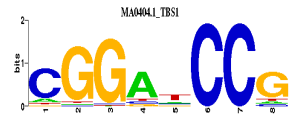
MA0260.1_che-1 2.8664e-03

AGGCTCCA
-GGYTTC-

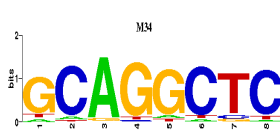


MA0404.1_TBS1 3.6657e-03

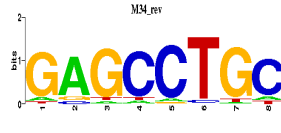
TGGAGCCT
CGNTCCG



M34



forward



reverse compliment

Name E value

Alignment

Motif

MA0086.1_sna 6.8030e-03

GAGCCTGC
-CACCTG-



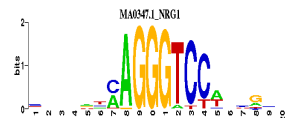
MA0340.1_MOT3 7.0419e-03

GAGCCTGC
-TRCCTN-



MA0347.1_NRG1 1.0762e-02

-----GAGCCTGC-----
NNNNNWGGACCCTKNNNNNN



MA0271.1_ARG80 1.7716e-02

GAGCCTGC
GNGTCW--

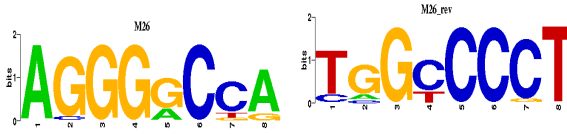


MA0364.1_REI1 2.0700e-02

GCAGGCTC
NCAGGGG-



M26

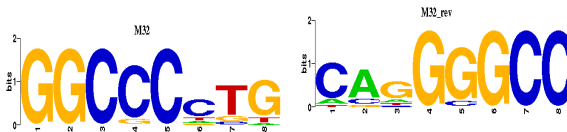


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0366.1_RGM1	2.6611e-06	TGGCCCCT ---CCCCT	
MA0342.1_MSN4	3.5176e-06	TGGCCCCT ---CCCCT	
MA0341.1_MSN2	8.9310e-06	TGGCCCCT ---CCCCT	
MA0155.1_INSM1	4.8204e-05	----AGGGCCA TGYCAGGGGGCR	
MA0381.1_SKN7	1.1118e-04	-TGGCCCCT NYGGCC---	

M32



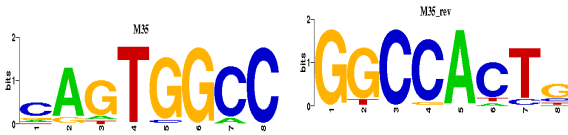
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0364.1_REI1	1.9019e-07	-CAGGGGCC NCAGGGG--	
MA0366.1_RGM1	2.1837e-06	GGCCCCTG --CCCCT--	
MA0342.1_MSN4	2.2583e-06	GGCCCCTG --CCCCT--	
MA0341.1_MSN2	4.9215e-06	CAGGGGCC -AGGGG--	
MA0155.1_INSM1	6.1268e-06	---CAGGGGCC- TGYCAGGGGGCR	

M35



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0373.1_RPN4	1.1476e-04	CAGTGGCC -GGTGGCG	
MA0381.1_SKN7	1.2959e-04	CAGTGGCC --NYGGCC	
MA0097.1_bZIP911	1.3879e-04	GGCCACTG---- GGCCACGTCAYC	
MA0334.1_MET32	1.8535e-04	CAGTGGCC -TGTGGCN	

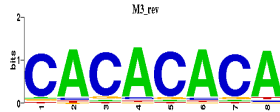
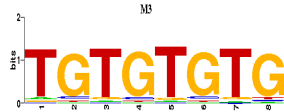
MA0454.1_odd

2.2860e-04

--GGCCACTG--
NTGCTACTGTN



M3



forward

reverse compliment

Name

E value

Alignment

Motif

MA0009.1_T

1.0706e-03

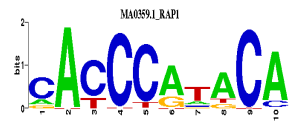
--CACACACA--
TTCACACCTAG



MA0359.1_RAP1

1.4119e-03

TGTGTGTG--
TGTATGGGTG



MA0327.1_MATA1

1.8238e-03

--TGTGTGTG
ATTGTGY---



MA0288.1_CUP9

2.5377e-03

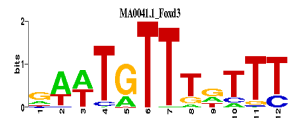
TGTGTGTG-
WWTGTGTCA



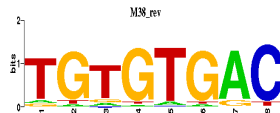
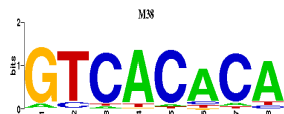
MA0041.1_Foxd3

2.6027e-03

---TGTGTGTG-
NAWTGTTTNTTT



M38



forward

reverse compliment

Name

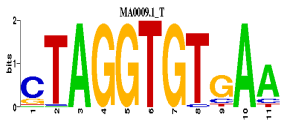


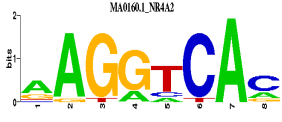
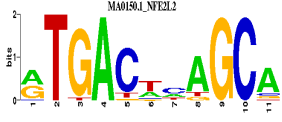
E value

Alignment

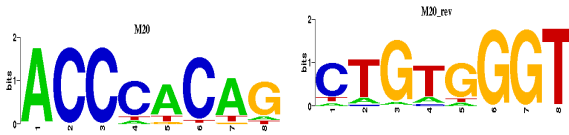
Motif

Stamp Results

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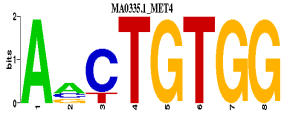
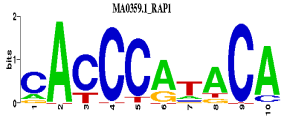
MA0009.1_T	3.3720e-05	---TGTGTGAC CTAGGTGTGAA	
MA0288.1_CUP9	1.0803e-04	--TGTGTGAC WWTGTGTCA-	
MA0334.1_MET32	5.9974e-04	TGTGTGAC-- --TGTGGCN	
MA0160.1_NR4A2	1.0721e-03	TGTGTGAC--- ---GTGACCTT	
MA0150.1_NFE2L2	1.4504e-03	---TGTGTGAC TGCTNWTGTCAY	

M20



forward

reverse compliment

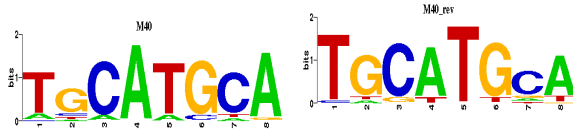
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	5.3512e-09	ACCCACAG --CCACAG	
MA0002.2_RUNX1	8.4774e-07	-ACCCACAG-- NAACCCARNN	
MA0335.1_MET4	1.7100e-06	ACCCACAG-- --CCACAGNT	
MA0359.1_RAP1	1.8735e-04	-ACCCACAG- CACCCATACA	

MA0436.1_YPR022C 1.9036e-04

CTGTGGGT
-NGTGGGG



M40



forward

reverse compliment

Name	E value	Alignment	Motif
MA0254.1_vv1	2.4741e-04	TGCATGCA TGMATA--	
MA0321.1_INO2	1.8720e-03	--TGCATGCA TTCACATGC-	
MA0322.1_INO4	1.9843e-03	--TGCATGCA TTCACATGC-	
MA0328.1_MATALPHA2	7.0023e-03	---TGCATGCA AATTACATG--	
MA0304.1_GCR1	7.3381e-03	TGCATGCA GGCTTCCA	

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