

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

Input file: [100 motifs loaded](#)

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

Multiple Alignment=IR, Tree=UPGMA, Matching against: user-defined

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)

0 :	-----NGAGGTCA-----
1 :	-----GGGGGGGG-----
2 :	-----TCAAGGTCA-----
3 :	-----KGAAGGTCA-----
4 :	-----AGGTSACC---
5 :	-----CTSAAGGT-----
6 :	----GGNCACAG-----
7 :	----GGTCANAG-----
8 :	----CAGNNNCTG---
9 :	----GGGCNGGG-----
10 :	----CACACACA-----
11 :	----AGGGNAGG-----
12 :	----AAAAMAAA-----
13 :	----AAGGNCAG---
14 :	----TGGGGGAG-----
15 :	----CAGCWGCA---
16 :	----CAGCAGCTGC--
17 :	----AGGGCAGNG-----
18 :	----GCCAAGGTC-----
19 :	----GGGTGKGG-----
20 :	----GCAGAGGTC-----
21 :	----GNGGAGGAGN----
22 :	----AGGCWGAG---

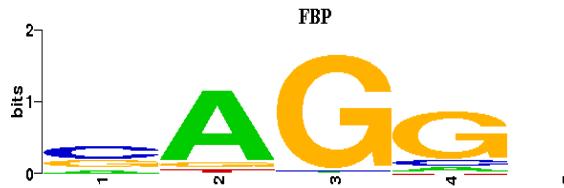
Stamp Results

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23: -----GGNGGGC-----
24: -----GGRRGGG-----
25: -----CAGCWGGG-----
26: -----GGCWGCAG-----
27: -----AGGARGAG---
28: -----CAGNGCTG----
29: -----AGCCMAGG-----
30: -----GGCWGGGG-----
31: -----CAGGCAGCCA--
32: -----CAGGNAGG----
33: -----CAGNNNNNCTG
34: -----GCAGAGCWG----
35: -----CNCAGCAGST-----
36: -----GCAGAGGNG-----
37: -----CTCCMAGG-----
38: -----AGGNAGAG---
39: -----CCWGGCTG-----
40: -----CTCWGCAG-----
41: -----GGGAAGGTC-----
42: -----GCAAGGGCAAGG--
43: -----CWCCCCAGSC-----
44: -----CWGGGCTGNG--
45: -----AGGCAGGGAG----
46: -----GAGGARGG----
47: -----CWGAGCAGRG-----
48: -----GGGAGRGG-----
49: -----AGCCAGGCAG----
50: -----CMAGGCTGNG---
51: --CTGNNNNCAG-----
52: -----GCAGCAGGAG-----
53: -----CCTNCAGG-----
54: -----CACAGAGG-----
55: -CTGNNNNNCAGG-----
56: -----CTNCCCAG-----
57: -----TSAAGGGCA----
58: -----GGAGGAGSA---
59: -----CAGNNNNCTG--
60: -----CAGNNNNNCTG-
61: -----CTNCAAGG-----
62: -----TCCCMAGG-----
63: -----TCYCAAGG-----
64: -----CCAGGCCWG----
65: -----GCAGCTGNG----

66: -----CAAGGNNNCCT--
67: -----AGGGAGGAAG-
68: -----CNCCAGCCC-----
69: -----CAAGGACANA---
70: -----KGKGGGGG-----
71: -----AGAGRGC-----
72: -----CNCAGAGCC-----
73: -----CCWGCAGG-----
74: -----CCAGAGCCAGAG-
75: -----GNCAGAGGNC-----
76: -----TGGGKGTG----
77: -----CNCCCAGCC-----
78: -----GAGSTGGG----
79: -----GGAGCWGG-----
80: -----CASCCAGCCA-----
81: -----CCAAGGTNG-----
82: -----AGAGAGAG---
83: -----GGRGAGGG-----
84: -----CAGGANAG-----
85: -----CASAGCCC-----
86: -----GGNGGTGG-----
87: -----ARGRARGG-----
88: --NGGGGTGGAG-----
89: -----GGGSRSGG-----
90: -----GNAGCCAGSC-----
91: -----GCTGGAGG-----
92: -----RGRGGRGG-----
93: -----ARGGGCAGRG-----
94: CTGNNNNNNCAGG-----
95: ---CTGNNNCAGG-----
96: -----GTGAAGGTGAAG---
97: -----CCCWGGAG-----
98: -----GGGNNGGA-----
99: -----AGGNGAGG-----

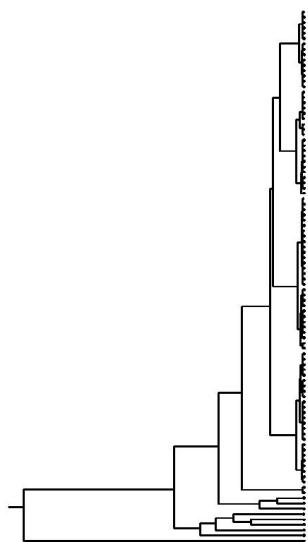
Familial Profile:
(click for matrix)



Motif Tree

Tree (drawn by Phylip)

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

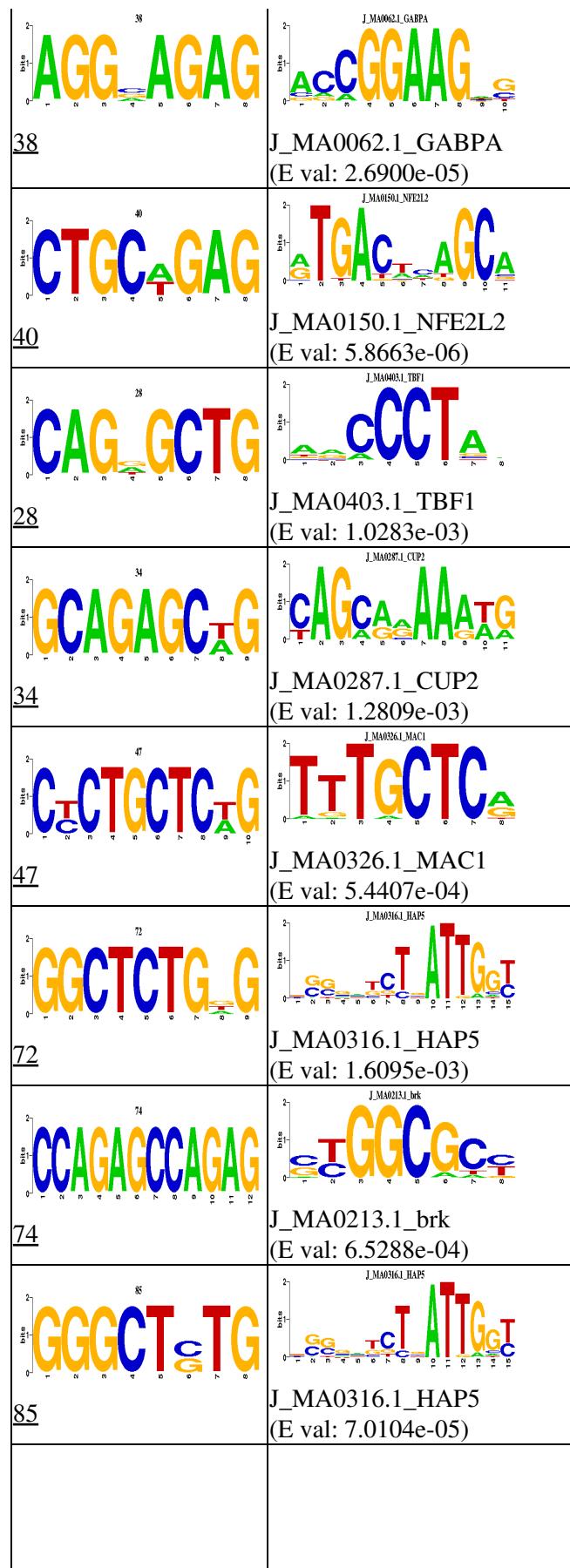


Input Motif

	Best match in user-defined
	J_MA0159.1_RXR_RAR_D (E val: 1.4224e-09)
	J_MA0139.1_CTCF (E val: 1.2013e-04)
	J_MA0065.2_PPARG_RXR (E val: 6.9269e-09)
	J_MA0065.2_PPARG_RXR (E val: 2.8065e-11)
	J_MA0081.1_SPIB (E val: 2.1541e-04)
	J_MA0332.1_MET28 (E val: 5.3379e-05)
	J_MA0283.1_CHA4 (E val: 1.3368e-04)

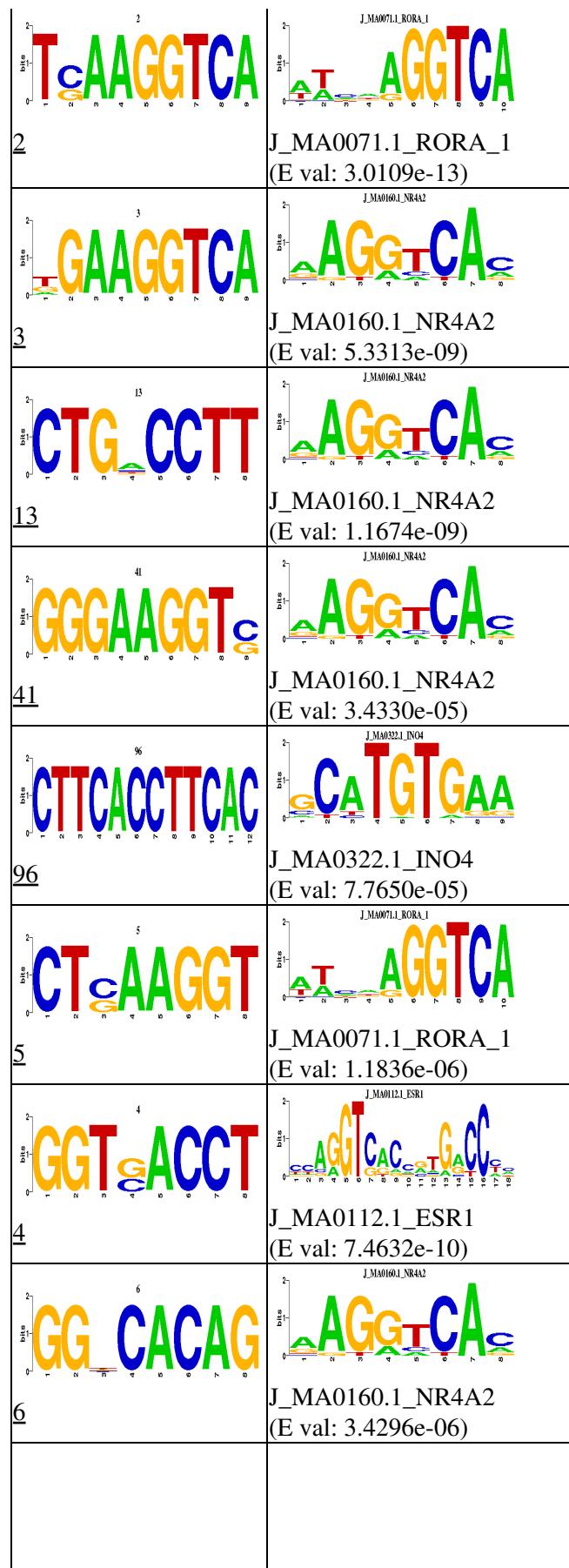
Stamp Results

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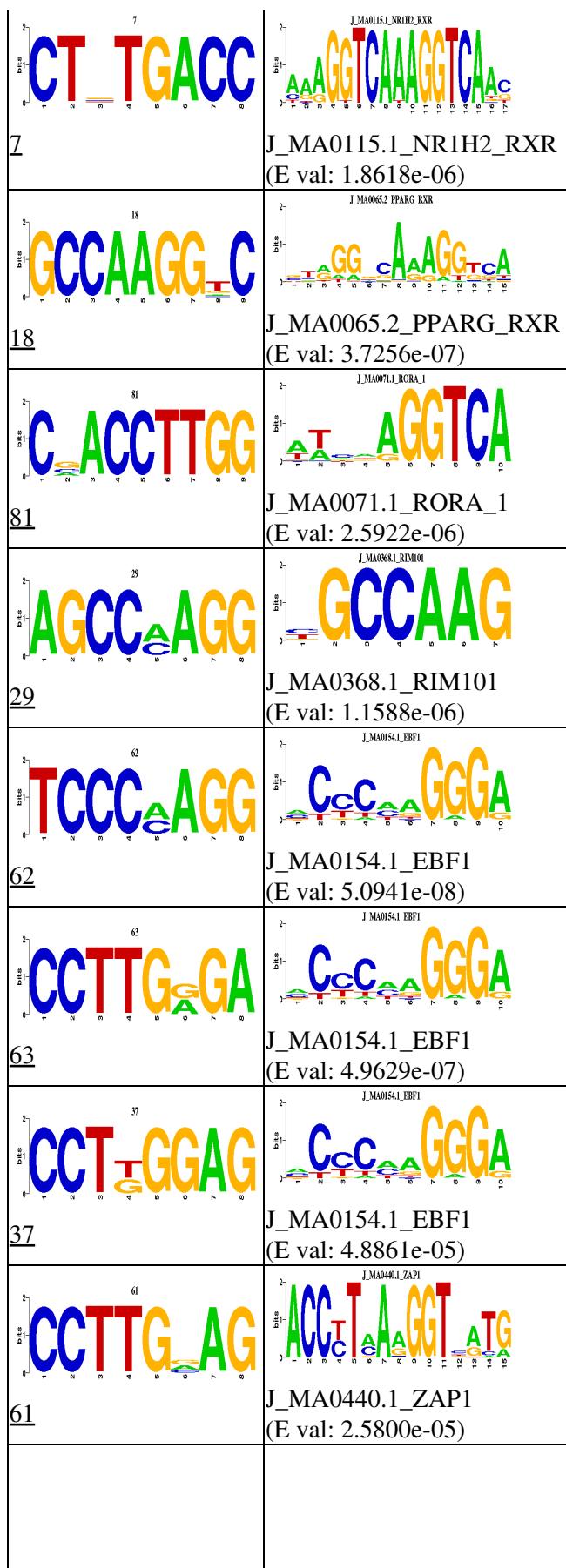
Stamp Results

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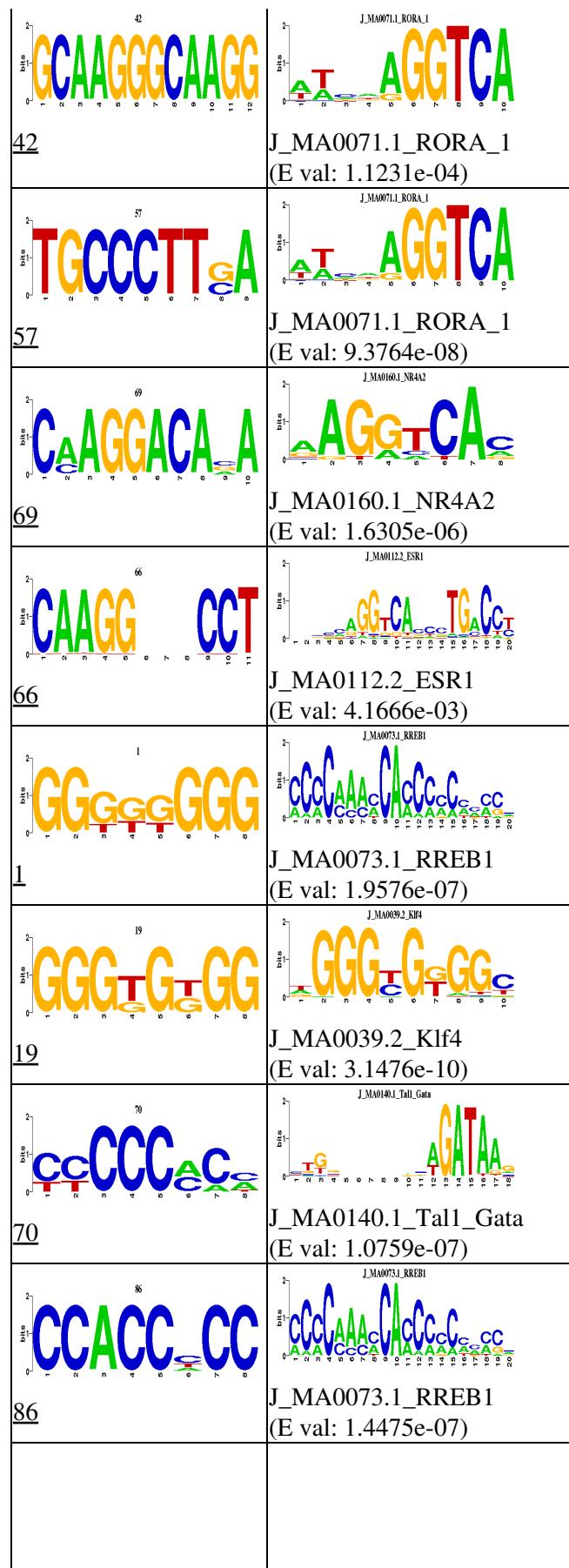
Stamp Results

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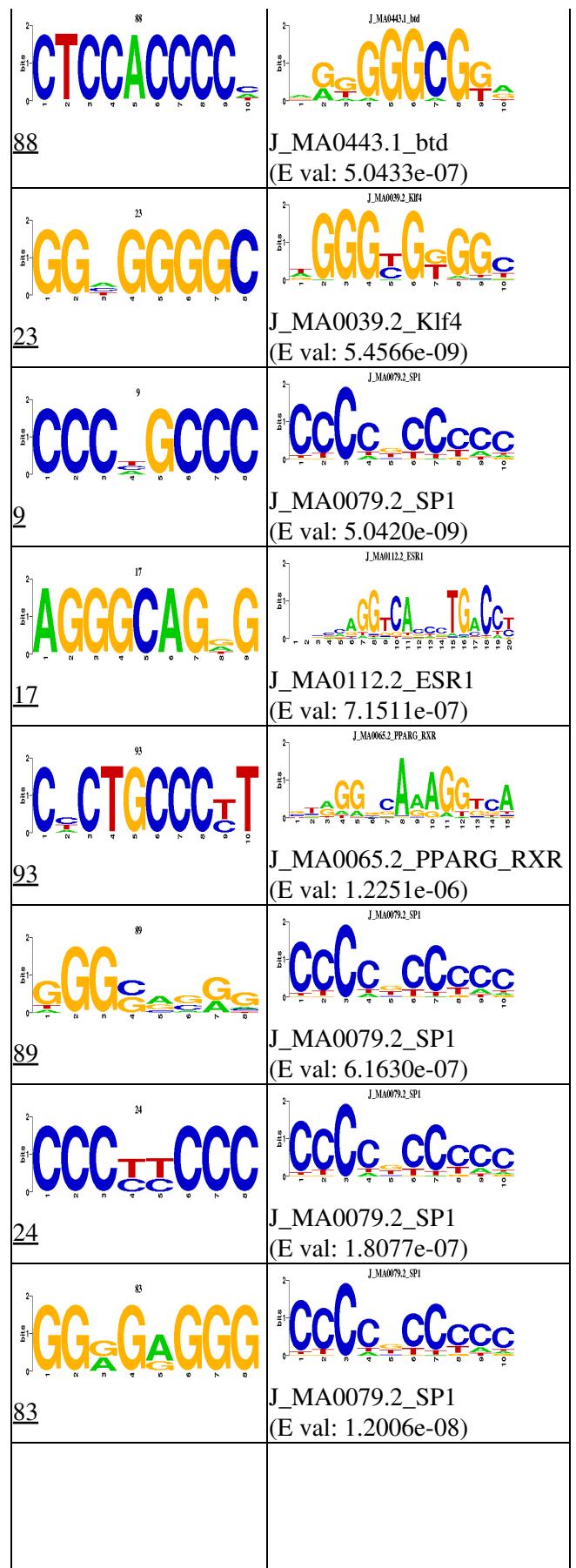
Stamp Results

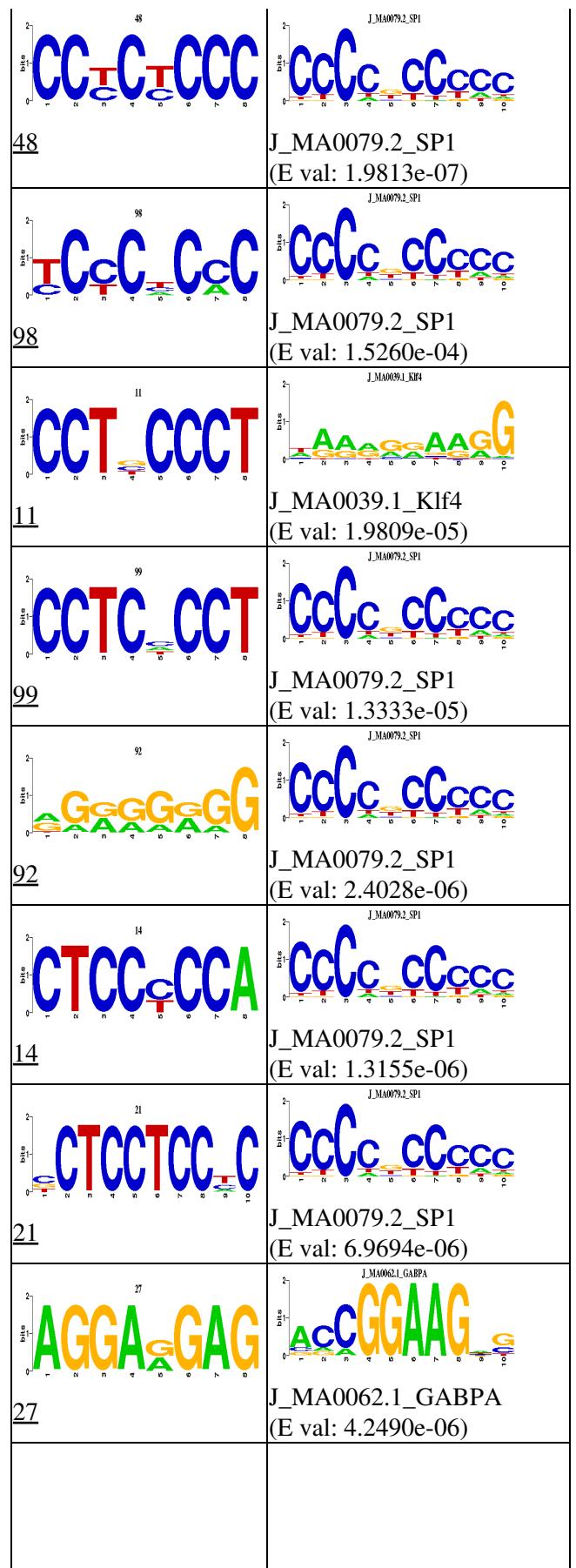
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Stamp Results

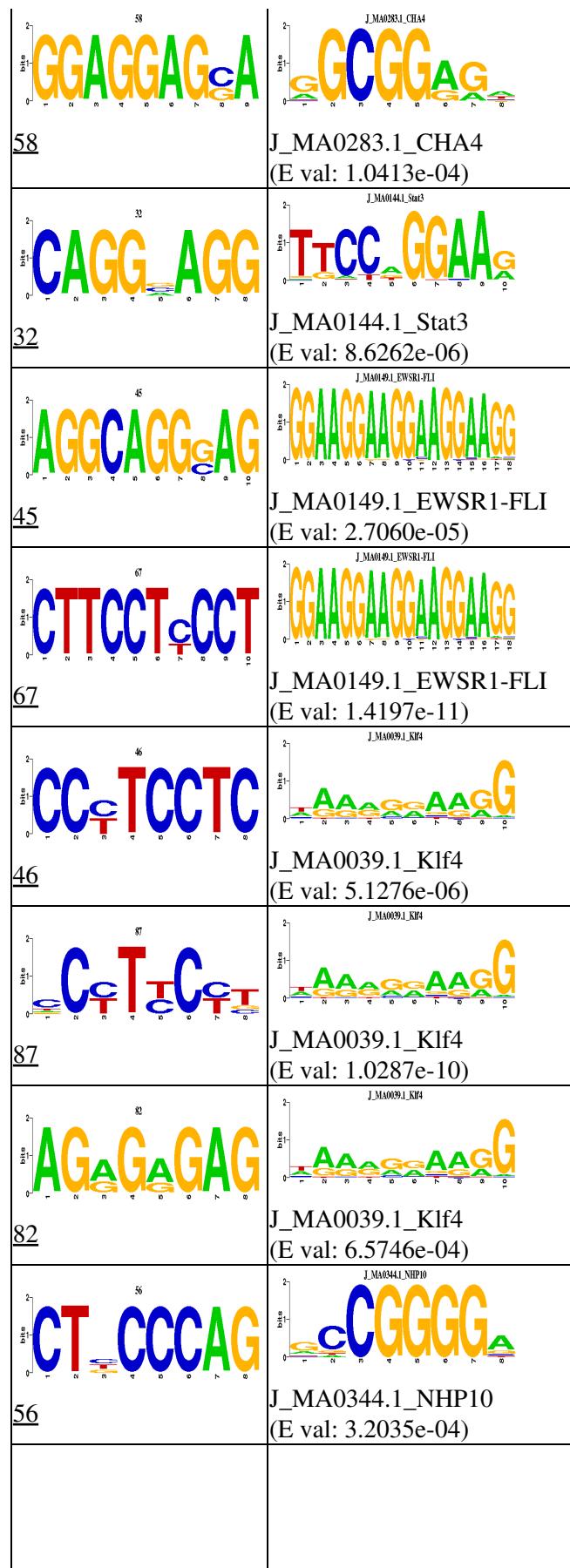
11/22/15





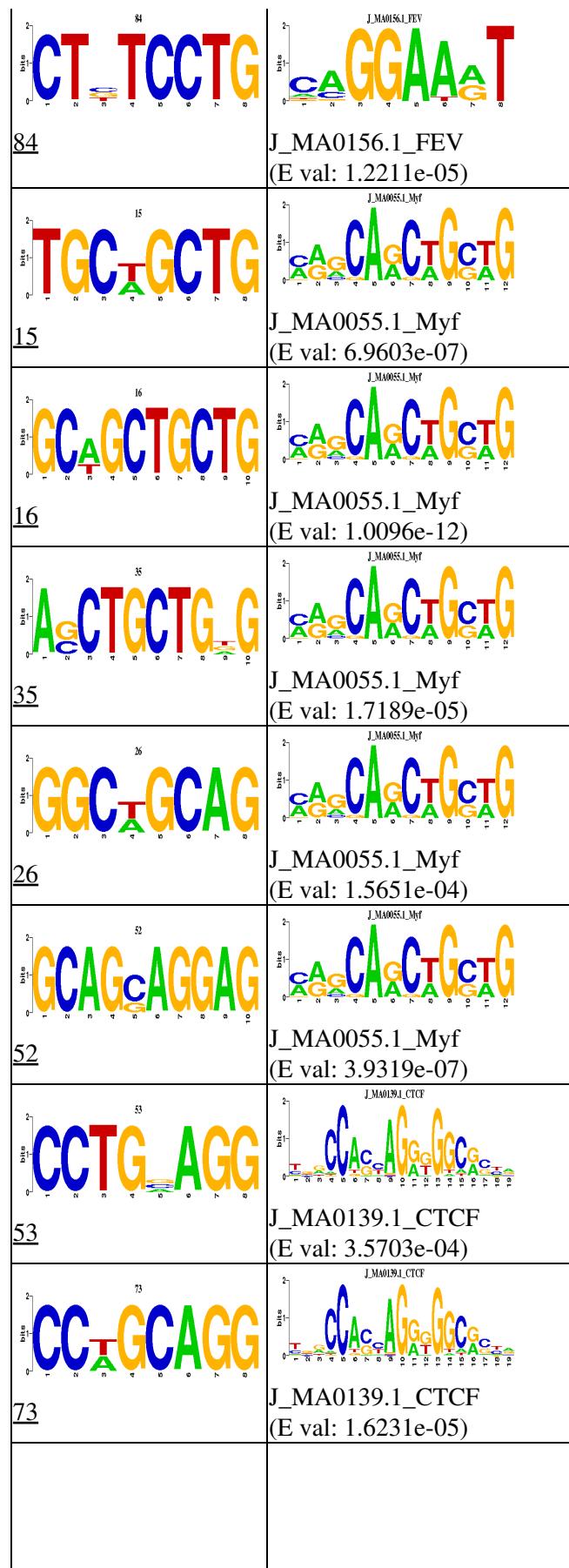
Stamp Results

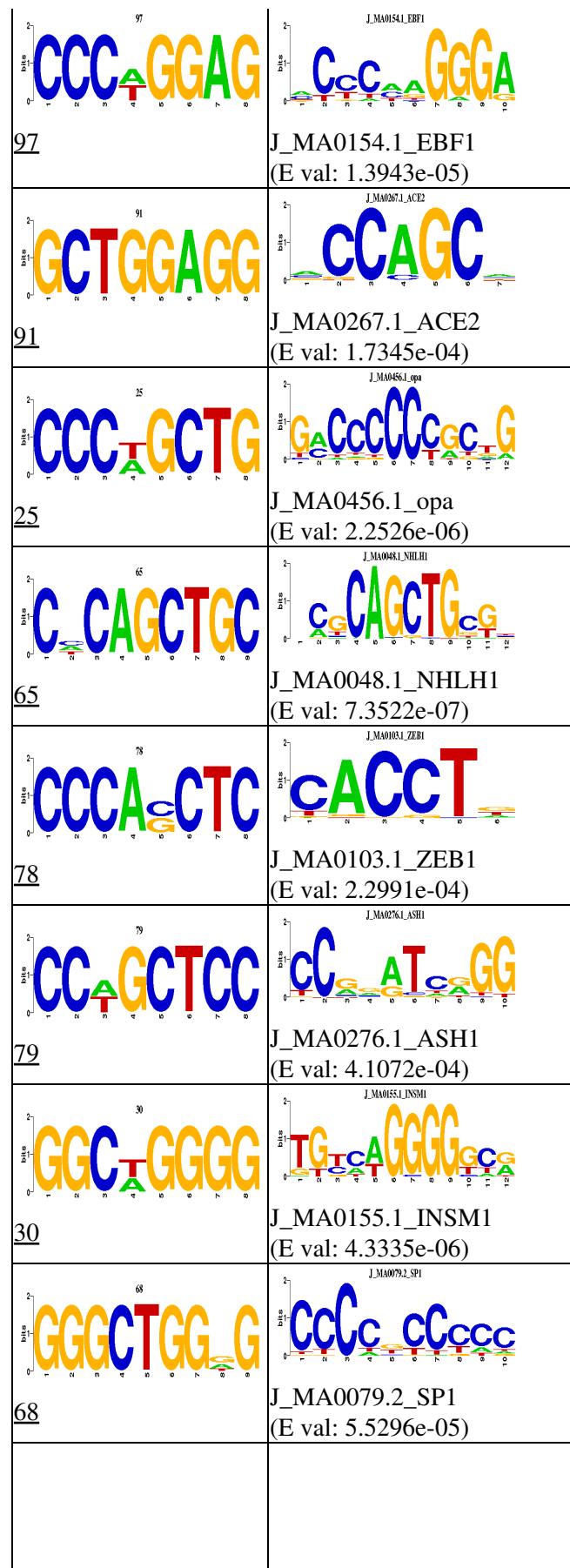
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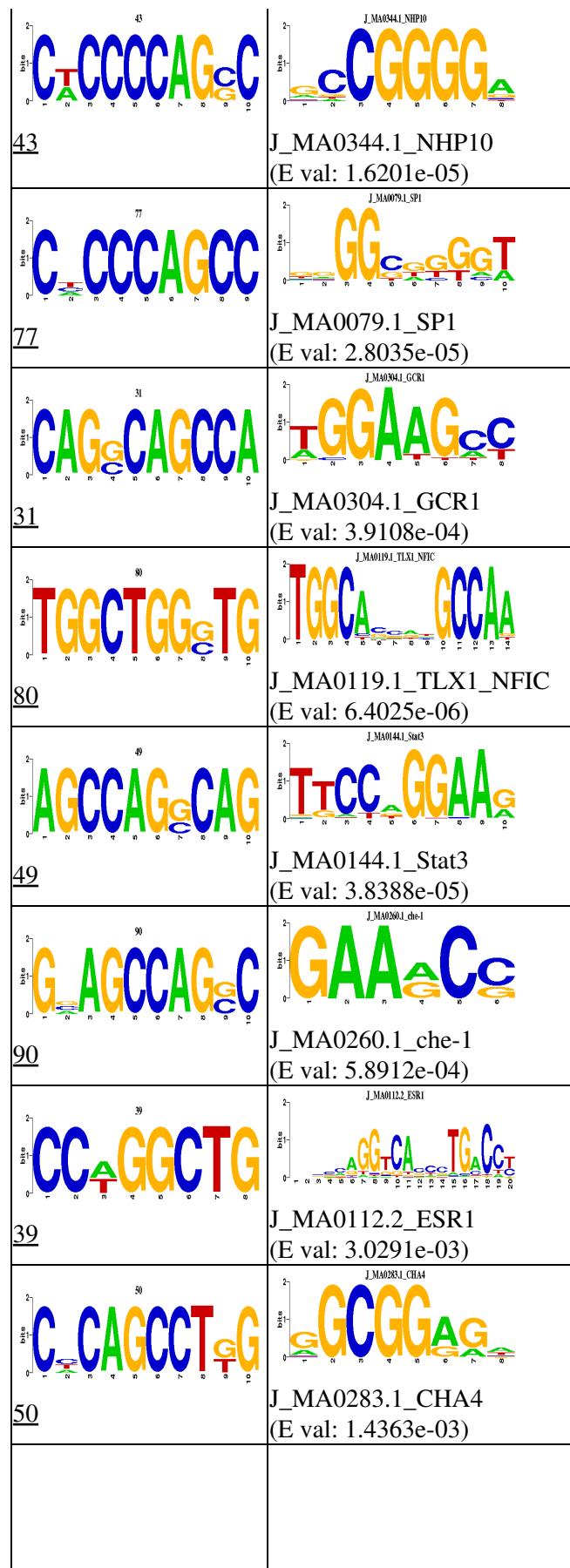


Stamp Results

11/22/15

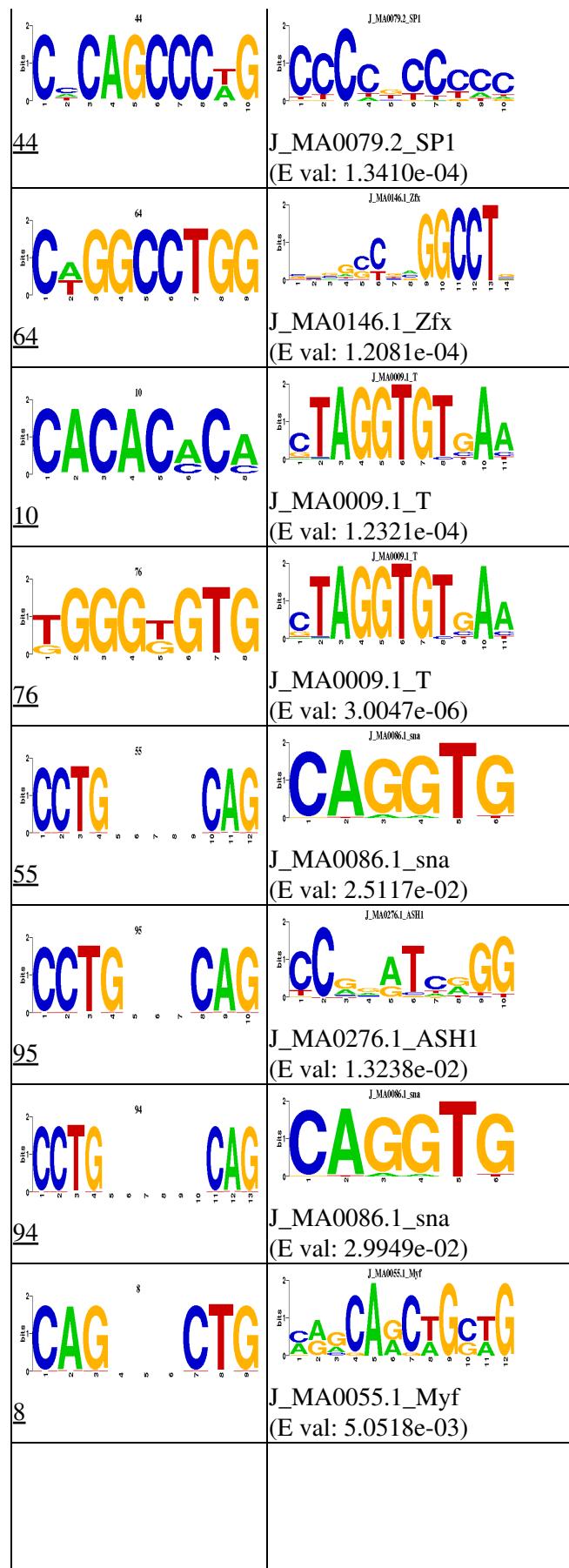


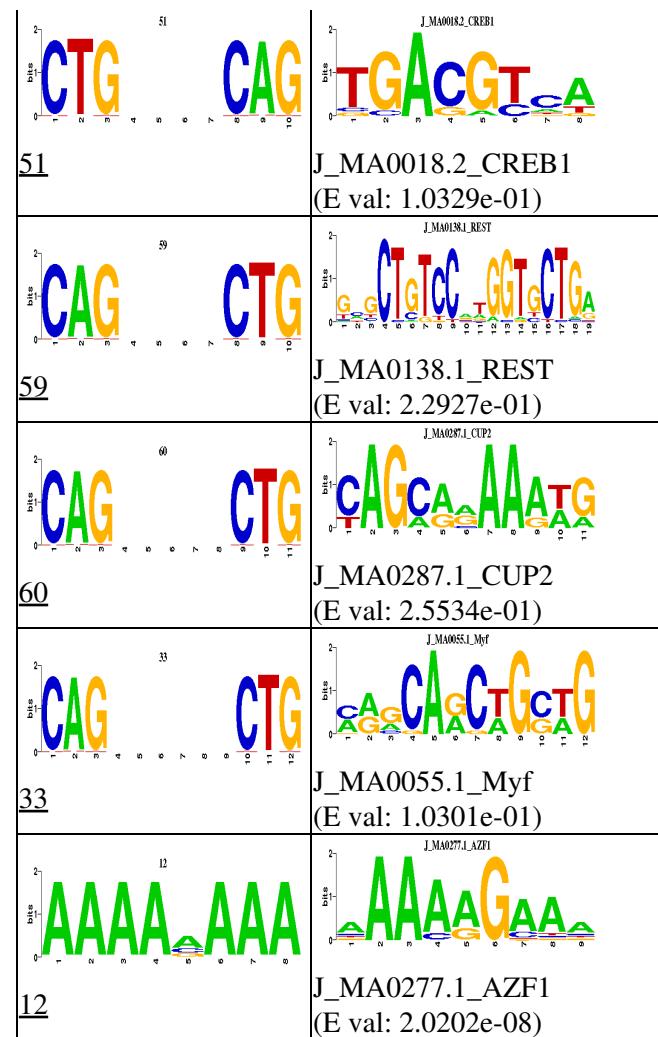




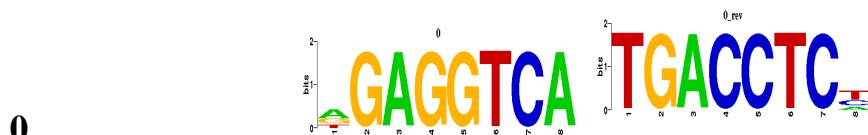
Stamp Results

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Motif Similarity Matches



forward

reverse compliment

Name

E value

Alignment

Motif

J_MA0159.1_RXR_RAR_D 1.4224e-09

TGACCTCN-----
TGACCTNYNNNTGAMCY

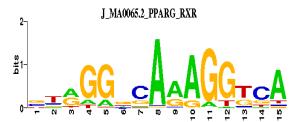


Stamp Results

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J_MA0065.2_PPARG_RXR 8.9608e-07

-----NGAGGTCA
NNRGGNCAAAGGKCA



J_MA0160.1_NR4A2

1.9087e-06

-TGACCTCN
GTGACCTT-



J_MA0018.2_CREB1

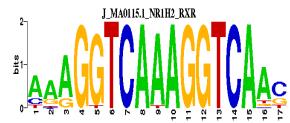
6.2853e-06

TGACCTCN
TGACGTCA

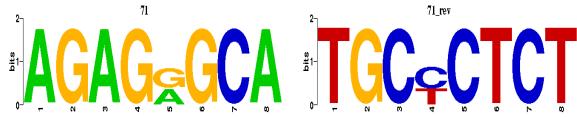


J_MA0115.1_NR1H2_RXR 1.1657e-05

-----TGACCTCN
STTGACCTTGACCTTT



71



Name

E value

Alignment

Motif

J_MA0139.1_CTCF

1.2013e-04

---TGCYCTCT-----
NNSYGCCMCCTRSTGGNNR



J_MA0065.2_PPARG_RXR

1.5331e-04

-----AGAGRGCA
NNRGGNCAAAGGKCA



J_MA0451.1_kni

2.0865e-04

---AGAGRGCA-
AAANTAGAGCAN



J_MA0159.1_RXR_RAR_D

2.3294e-04

TGCYCTCT-----
TGACCTNYNNNTGAMCY

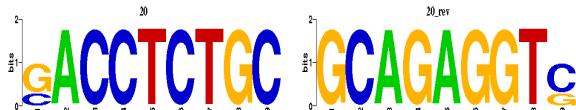


J_MA0155.1_INSM1

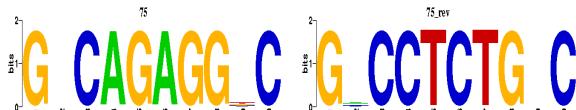
4.2461e-04

TGCYCTCT----
YGCCCCCTGRCA



20*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0065.2_PPARG_RXR	6.9269e-09	-----GCAGAGGTC-- NNRGGNCAAAGGKCA	
J_MA0159.1_RXR_RAR_D	1.5446e-05	-GACCTCTGC----- TGACCTNYNNNTGAMCY	
J_MA0017.1_NR2F1	4.0163e-05	-----GCAGAGGTC-- NNGKNCAAAGKTCA	
J_MA0114.1_HNF4A	4.1149e-05	-GACCTCTGC--- TGNMCTTGNNCY	
J_MA0115.1_NR1H2_RXR	8.5174e-05	---GACCTCTGC----- STTGACCTTGACCTTT	

75*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0065.2_PPARG_RXR	2.8065e-11	-GNCCTCTGN----- TGMCCCTTGNNCCYNN	
J_MA0114.1_HNF4A	4.9972e-08	--GNCAGAGGNC-- RGNNAAGKNCA	

Stamp Results

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J_MA0017.1_NR2F1 9.7174e-07

---GNCAGAGGCNC---
NNGKNCAAAGKTCA



J_MA0115.1_NR1H2_RXR 1.0729e-06

----GNCAGAGGCNC----
AAAGGTCAAAGGTCAAS

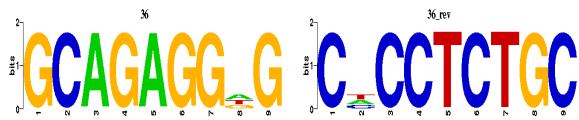


J_MA0065.1_PPARG_RXR 2.4649e-06

----GNCCTCTGNC-----
NNNTGACCTTGACCCYNNN



36



forward

reverse compliment

Name

E value

Alignment

Motif

J_MA0081.1_SPIB

2.1541e-04

CNCCTCTGC
TTCCCKST--



J_MA0065.2_PPARG_RXR 2.4781e-04

-CNCCTCTGC-----
TGMCCCTTGNCYNN



J_MA0287.1_CUP2

9.9511e-04

CNCCTCTGC--
CWTTTYTGCTG



J_MA0366.1_RGM1

1.1752e-03

CNCCTCTGC
CCCCT----



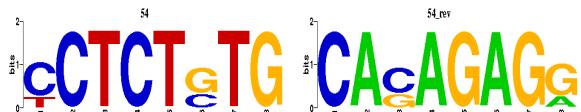
J_MA0342.1_MS4

1.2186e-03

CNCCTCTGC
CCCCT----

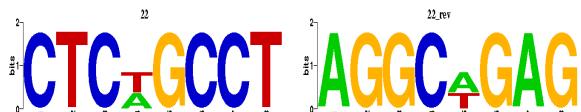


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Name	E value	Alignment	Motif
J_MA0332.1_MET28	5.3379e-05	-CACAGAGG CCACAG---	
J_MA0335.1_MET4	1.6154e-03	-CACAGAGG CCACAGNT-	
J_MA0442.1_SOX10	1.8779e-03	CACAGAGG -ACAAWG-	
J_MA0081.1_SPIB	2.6339e-03	--CCTCTGTG TTCCKST---	
J_MA0364.1_REI1	3.0734e-03	CACAGAGG -NCAGGGG	

22

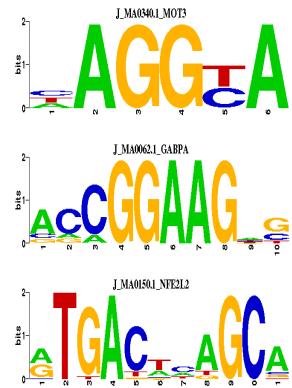


Name	E value	Alignment	Motif
J_MA0283.1_CHA4	1.3368e-04	-CTCWGCCT NCTCCGCC-	
J_MA0065.2_PPARG_RXR	4.2016e-04	-----CTCWGCCT--- TGMCCCTTGNNCCYNN	

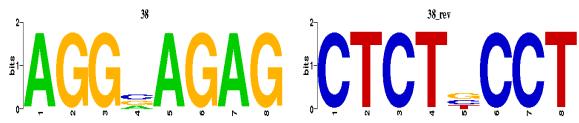
Stamp Results

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J_MA0340.1_MOT3	1.3849e-03	-AGGCWGAG NAGGYA---
J_MA0062.1_GABPA	1.4400e-03	CTCWGCCT-- SNCTTCCGGT
J_MA0150.1_NFE2L2	1.6119e-03	----CTCWGCCT RTGACWNAGCA-



38



forward *reverse compliment*

Name	E value	Alignment	Motif
J_MA0062.1_GABPA	2.6900e-05	CTCTNCCT-- SNCTTCCGGT	J_MA0062.1_GABPA
J_MA0080.2_SPI1	9.1761e-05	CTCTNCCT -ACTTCCT	J_MA0080.2_SPI1
J_MA0283.1_CHA4	3.7159e-04	-CTCTNCCT NCTCCGCC-	J_MA0283.1_CHA4
J_MA0065.2_PPARG_RXR	4.4101e-04	----CTCTNCCT--- TGMCCCTTGNNCCYNN	J_MA0065.2_PPARG_RXR
J_MA0144.1_Stat3	3.5990e-03	CTCTNCCT----- --CTTCCNGGAA	J_MA0144.1_Stat3

40

Name	E value	Alignment	Motif
J_MA0150.1_NFE2L2	5.8663e-06	CTGCWGAG----- -TGCTNWGTCA	
J_MA0055.1_Myf	7.0141e-04	CTCWCAG----- --CAGCAGYTGCYK	
J_MA0320.1_IME1	2.4624e-03	CTCWGCA CTCGGC	
J_MA0385.1_SOK2	2.8153e-03	---CTGCWGAG NNNMTGCAKNN	
J_MA0254.1_vv1	5.2472e-03	CTGCWGAG -TGMATA-	

28

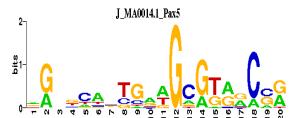
Name	E value	Alignment	Motif
J_MA0403.1_TBF1	1.0283e-03	-CAGNGCTG NTAGGGYT-	
J_MA0364.1_REI1	1.8609e-03	-CAGNGCTG NCAGGGG--	

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J_MA0014.1_Pax5 6.2926e-03

-----CAGNGCTG--
YSGYYMCGCWNCRNNNNNCN



J_MA0366.1_RGM1 1.5980e-02

CAGCNCTG
--CCCCT-

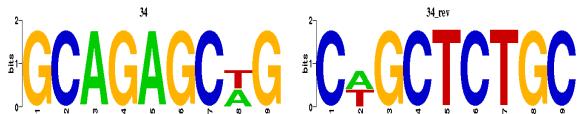


J_MA0048.1_NHLH1 1.6365e-02

-CAGNGCTG---
NCGCAGCTGCGN



34



forward

reverse compliment

Name

E value

Alignment

Motif

J_MA0287.1_CUP2 1.2809e-03

CWGCTCTGC--
CWTTTYTGCTG



J_MA0451.1_kni 4.4990e-03

---GCAGAGCWG
AAANTAGAGCCAN



J_MA0283.1_CHA4 1.0565e-02

-GCAGAGCWG
GGCGGAGN--



J_MA0326.1_MAC1 1.1019e-02

GCAGAGCWG--
--YGAGCAA

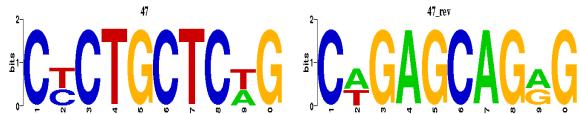


J_MA0320.1_IME1 1.4801e-02

CWGCTCTGC--
---CTCGGCAG

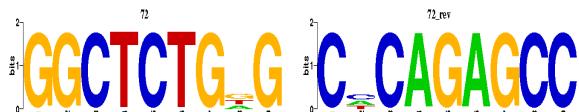


47

*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0326.1_MAC1	5.4407e-04	CWGAGCAGRG -YGAGCAAA-	
J_MA0065.2_PPARG_RXR	3.4325e-03	-----CYCTGCTCWG- TGMCCCTTGNNCCYNN	
J_MA0451.1_kni	7.1312e-03	CYCTGCTCWG----- --NTGCTCTANTTT	
J_MA0364.1_REI1	8.0680e-03	CWGAGCAGRG- ----NCAGGGG	
J_MA0456.1_opa	1.3200e-02	CWGAGCAGRG----- --CNGCGGGGGGGK	

72

*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0316.1_HAP5	1.6095e-03	-----CNCAGAGCC-- ACCAATNAGMNNSSN	
J_MA0332.1_MET28	1.6557e-03	-CNCAGAGCC CCACAG----	

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J_MA0138.2_REST 6.9479e-03

GGCTCTGNG-----
GNNGCTGTCCNNGGTGCTGAN



J_MA0278.1_BAS1 1.7136e-02

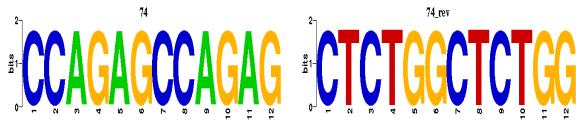
-----GGCTCTGNG-----
NNNWNYTGACTCNGGCYNNNN

J_MA0362.1_RDS2 1.7461e-02

CNCAGAGGCC
CCCCGAN--



74

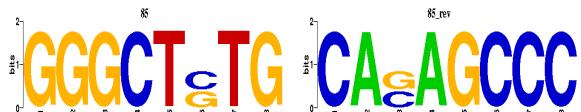


forward

reverse compliment

Name	E value	Alignment	Motif
J_MA0213.1_brk	6.5288e-04	CCAGAGGCCAGAG --RGCGCCRS--	
J_MA0092.1_Hand1_T	7.0522e-04	CCAGAGGCCAGAG-- ---NWNCCAGAYN	
J_MA0332.1_MET28	1.1280e-03	CTCTGGCTCTGG CTGTGG-----	
J_MA0278.1_BAS1	1.3621e-03	---CTCTGGCTCTGG----- NNNWNYTGACTCNGGCYNNNN	
J_MA0024.1_E2F1	4.7099e-03	CCAGAGGCCAGAG ---GCGCSAAA-	

85

*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0316.1_HAP5	7.0104e-05	-----CASAGCCC-- ACCAATNAGMNNNN	
J_MA0332.1_MET28	4.1779e-04	-CASAGCCC CCACAG---	
J_MA0123.1_abi4	7.7408e-04	CASAGCCC-- CGSYGCNNCN	
J_MA0335.1_MET4	6.9241e-03	-CASAGCCC CCACAGNT-	
J_MA0450.1_hkb	8.3365e-03	-CASAGCCC TCACGCCCM	

2

*forward**reverse compliment*

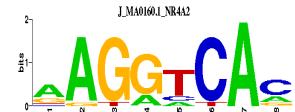
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0071.1_RORA_1	3.0109e-13	TGACCTTGA-- TGACCTNNWW	
J_MA0141.1_Esrrb	5.7146e-10	TGACCTTGA--- TGACCTTGRNNN	

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J_MA0160.1_NR4A2 5.3313e-09

-TGACCTTGA
GTGACCTT--



J_MA0440.1_ZAP1 1.2331e-08

----TCAAGGTCA--
ACCYTMAAGGTNATG

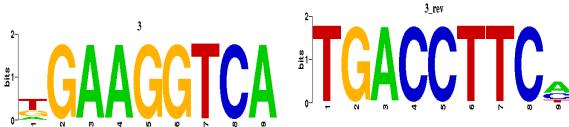


J_MA0115.1_NR1H2_RXR 6.2140e-06

--TGACCTTGA-----
STTGACCTTGTACCTTT



3



forward

reverse compliment

Name

E value

Alignment

Motif

J_MA0160.1_NR4A2

5.3313e-09

-TGACCTTCM
GTGACCTT--



J_MA0071.1_RORA_1

3.3979e-08

TGACCTTCM--
TGACCTNNWW



J_MA0141.1_Esrrb

7.4436e-07

TGACCTTCM---
TGACCTTGRNNN



J_MA0440.1_ZAP1

2.0332e-06

--TGACCTTCM-----
CATNACCTTKARGGT



J_MA0115.1_NR1H2_RXR 6.2140e-06

--TGACCTTCM-----
STTGACCTTGTACCTTT



13

Stamp Results

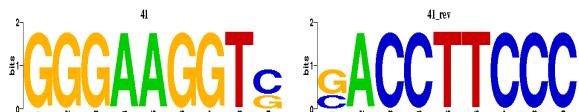
11/22/15



forward

reverse compliment

Name	E value	Alignment	Motif
J_MA0160.1_NR4A2	1.1674e-09	AAGGNCA AAGGTCA	J_MA0160.1_NR4A2
J_MA0071.1_RORA_1	3.9210e-08	CTGNCCTT--- -TGACCTNNWW	J_MA0071.1_RORA_1
J_MA0141.1_Esrrb	5.1000e-08	CTGNCCTT----- -TGACCTTGRNNN	J_MA0141.1_Esrrb
J_MA0115.1_NR1H2_RXR	4.1673e-07	-CTGNCCTT----- STTGACCTTTGACCTT	J_MA0115.1_NR1H2_RXR
J_MA0065.1_PPARG_RXR	9.6238e-07	--CTGNCCTT----- NNNTGACCTTTGACCYCNNN	J_MA0065.1_PPARG_RXR



41

forward

reverse compliment

Name	E value	Alignment	Motif
J_MA0160.1_NR4A2	3.4330e-05	--GACCTTCCC GTGACCTT---	J_MA0160.1_NR4A2
J_MA0080.1_SPI1	9.1317e-05	GACCTTCCC ---STTCCN	J_MA0080.1_SPI1

Stamp Results

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J_MA0039.1_Klf4

1.3613e-04

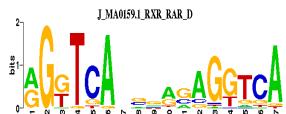
GACCTTCCC---
--CCTTYYYTTN



J_MA0159.1_RXR_RAR_D

1.7563e-04

-GACCTTCCC-----
TGACCTNYNNNTGAMCY



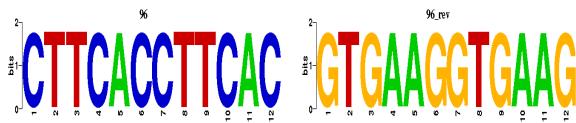
J_MA0107.1_REL

2.3289e-04

-GACCTTCCC
GGAAANTCCC



96



forward

reverse compliment

Name

E value

Alignment

Motif

J_MA0322.1_INO4 7.7650e-05

CTTCACCTTCAC
-TTCACATGC--



J_MA0050.1_IRF1 7.7993e-05

--CTTCACCTTCAC
GGTTTCRNTTTN--



J_MA0321.1_INO2 8.5070e-05

GTGAAGGTGAAG
--GCATGTGAA--



J_MA0086.1_sna 1.6613e-04

CTTCACCTTCAC
---CACCTG---



J_MA0103.1_ZEB1 1.7200e-04

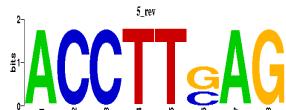
GTGAAGGTGAAG
---NAGGTG---



5



forward

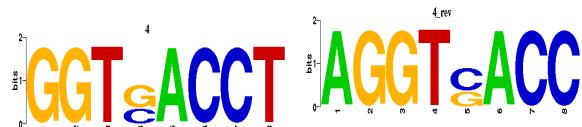


reverse compliment

Name	E value	Alignment	Motif
J_MA0071.1_RORA_1	1.1836e-06	CTSAAGGT-- WWNNAGGTCA	J_MA0071.1_RORA_1
J_MA0440.1_ZAP1	7.6309e-06	----ACCTTSAG--- CATNACCTTKARGGT	J_MA0440.1_ZAP1
J_MA0247.1_tin	2.3361e-05	CTSAAGGT YTCAAGTG	J_MA0247.1_tin
J_MA0141.1_Esrrb	9.4243e-05	--CTSAAGGT-- NNNYCAAGGTCA	J_MA0141.1_Esrrb
J_MA0253.1_vnd	3.0857e-04	-CTSAAGGT TYTCAAGTR	J_MA0253.1_vnd

4

forward



reverse compliment

Name	E value	Alignment	Motif
J_MA0112.1_ESR1	7.4632e-10	-----GGTSACCT-- NNGGYCANNNTGACCTNN	J_MA0112.1_ESR1
J_MA0112.2_ESR1	2.1133e-09	-----AGGTSACC----- NNNNNAGGTCAANNNTGACCY	J_MA0112.2_ESR1

Stamp Results

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J_MA0160.1_NR4A2 9.5083e-09

GGTSACCT-
-GTGACCTT



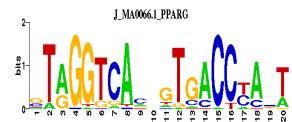
J_MA0258.1_ESR2 2.0794e-08

-AGGTSACC-----
NAGGNCCANNNTGACCYNN

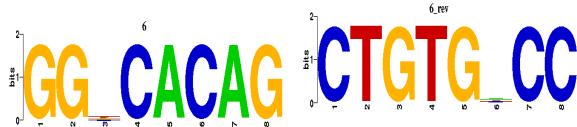


J_MA0066.1_PPARG 4.5099e-08

---AGGTSACC-----
ANTRGGTCACNNNTGACCTAN



6



forward

reverse compliment

Name

E value

Alignment

Motif

J_MA0160.1_NR4A2

3.4296e-06

CTGTGNCC--
--GTGACCTT



J_MA0115.1_NR1H2_RXR 4.4865e-06

-----CTGTGNCC---
STTGACCTTTGACCTTT



J_MA0065.1_PPARG_RXR 8.3869e-06

-----CTGTGNCC---
NNNTGACCTTTGACCYCNNN



J_MA0111.1_Spz1

8.7284e-06

-CTGTGNCC--
GCTGWTACCT



J_MA0066.1_PPARG

9.2058e-06

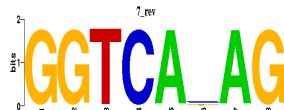
----GGNCACAG-----
ANTRGGTCACNNNTGACCTAN



7

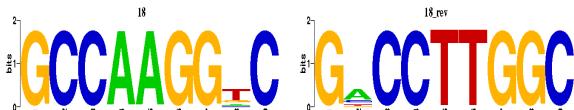


forward



reverse compliment

Name	E value	Alignment	Motif
J_MA0115.1_NR1H2_RXR	1.8618e-06	---GGTCANAG----- AAAGGTCAAAGGTCAAS	
J_MA0065.1_PPARG_RXR	3.0159e-06	-----CTNTGACC----- NNNTGACCTTGACCYCNNN	
J_MA0160.1_NR4A2	4.6715e-06	CTNTGACC-- --GTGACCTT	
J_MA0111.1_Spz1	1.8744e-05	-CTNTGACC-- GCTGWTACCCCT	
J_MA0112.1_ESR1	4.7337e-05	-----CTNTGACC--- NNGGYCANNGTGACCTNN	

18

forward

reverse compliment

Name	E value	Alignment	Motif
J_MA0065.2_PPARG_RXR	3.7256e-07	-----GCCAAGGTC-- NNRGGNCAAAGGGKCA	
J_MA0368.1_RIM101	5.1971e-07	GACCTTGGC-- ---CTTGGCR	

Stamp Results

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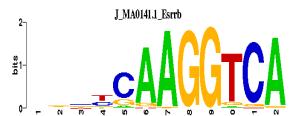
J_MA0071.1_RORA_1 5.3086e-07

-GACCTTGGC
TGACCTNNWW



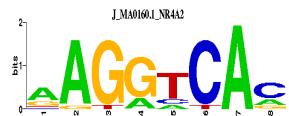
J_MA0141.1_Esrb 8.4477e-07

-GACCTTGGC--
TGACCTTGRNNN

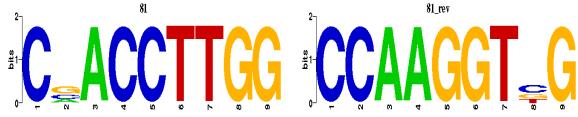


J_MA0160.1_NR4A2 1.1457e-05

--GACCTTGGC
GTGACCTT---



81



forward

reverse compliment

Name

E value

Alignment

Motif

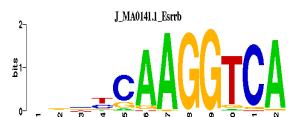
J_MA0071.1_RORA_1 2.5922e-06

CNACCTTGG--
TGACCTNNWW



J_MA0141.1_Esrb 3.4660e-06

CNACCTTGG---
TGACCTTGRNNN



J_MA0160.1_NR4A2 3.9706e-05

-CNACCTTGG
GTGACCTT--



J_MA0163.1_PLAG1 5.2833e-05

-----CCAAGGTNG
GGGGCCNAAGGGGG

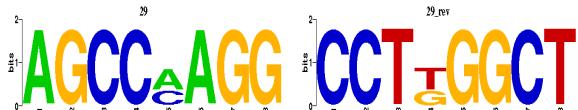


J_MA0116.1_Zfp423 1.1093e-04

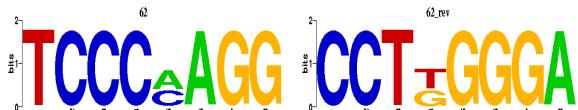
-CNACCTTGG-----
GNMMCCYTRGGKKSC



29



Name	E value	Alignment	Motif
J_MA0368.1_RIM101	1.1588e-06	CCTKGGCT -CTTGGCR	
J_MA0154.1_EBF1	4.7831e-05	--CCTKGGCT TCCCTNGGGN	
J_MA0161.1_NFIC	1.6385e-04	CCTKGGCT --TTGGCN	
J_MA0313.1_HAP2	5.4996e-04	AGCCMAGG -RCCAA--	
J_MA0263.1_ttx-3_c	1.7933e-03	-----AGCCMAGG YTAACKAARCCAAT-	

62

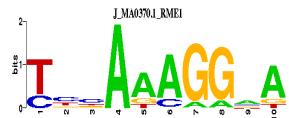
Name	E value	Alignment	Motif
J_MA0154.1_EBF1	5.0941e-08	--CCTKGGGA TCCCTNGGGN	
J_MA0163.1_PLAG1	3.3701e-05	---CCTKGGA--- CCCCCTNGGCC	

Stamp Results

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J_MA0370.1_RME1 9.8691e-05

--CCTKGGGA
TNCCTTNNA



J_MA0344.1_NHP10 2.6985e-04

TCCCMAGG
TCCCCGGN

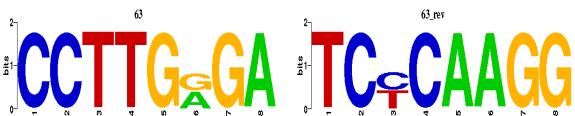


J_MA0056.1_MZF1_1-4 3.8452e-04

TCCCMAGG
TCCCCN--



63



forward

reverse compliment

Name	E value
J_MA0154.1_EBF1	4.9629e-07

Alignment

TCYCAAGG--
NCCCNAGGGA



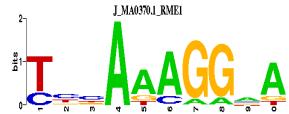
J_MA0253.1_vnd 4.8019e-06

TCYCAAGG--
TYTCAAGTR



J_MA0370.1_RME1 6.4333e-06

TCYCAAGG--
TNNAAGGNA



J_MA0163.1_PLAG1 1.1388e-05

---TCYCAAGG---
GGGGCCNAAGGGGG



J_MA0247.1_tin 8.3382e-05

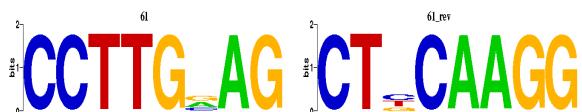
-CCTTGRGA
CACTTGAR-



37

*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0154.1_EBF1	4.8861e-05	--CCTKGGAG TCCCTNGGGN	
J_MA0344.1_NHP10	2.7116e-04	-CCTKGGAG NCCGGGGA-	
J_MA0368.1_RIM101	1.1395e-03	CCTKGGAG -CTTGGCR	
J_MA0138.1_REST	3.8987e-03	-----CCTKGGAG----- TCAGCACCWNGGACAGCNC	
J_MA0144.1_Stat3	4.2462e-03	CTCCMAGG--- -TTCCNGGAAG	

61*forward**reverse compliment*

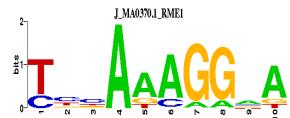
Name	E value	Alignment	Motif
J_MA0440.1_ZAP1	2.5800e-05	-----CCTTGAG-- CATNACCTTKARGGT	
J_MA0154.1_EBF1	5.2234e-04	CTNCAAGG-- NCCCNAGGGA	

Stamp Results

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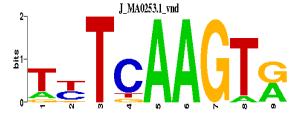
J_MA0370.1_RME1 1.0703e-03

CTNCAAGG---
-TNNAAGGNA



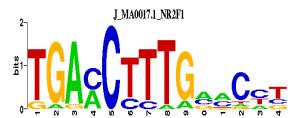
J_MA0253.1_vnd 1.2224e-03

CTNCAAGG-
TYTCAAGTR

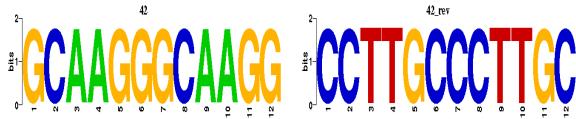


J_MA0017.1_NR2F1 1.7334e-03

--CTNCAAGG---
NNGKNCAAAGKTCA



42



forward

reverse compliment

Name

E value

Alignment

Motif

J_MA0071.1_RORA_1

1.1231e-04

CCTTGCCCTTGC-
---TGACCTNNWW



J_MA0065.2_PPARG_RXR

1.4534e-04

GCAAGGGCAAGG---
-NNRGGNCAAAGGKCA



J_MA0115.1_NR1H2_RXR

2.3965e-04

GCAAGGGCAAGG---
-AAAGGTCAAAGGTCAAS



J_MA0141.1_Esrrb

2.9843e-04

CCTTGCCCTTGC---
---TGACCTTGRNNN



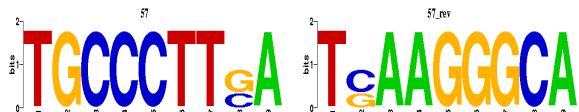
J_MA0017.1_NR2F1

1.1557e-03

-----CCTTGCCCTTGC
TGAMCTTGNMCNN--

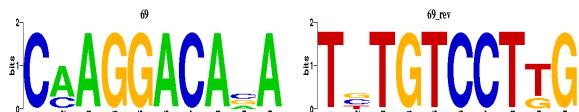


57



Name	E value	Alignment	Motif
J_MA0071.1_RORA_1	9.3764e-08	-TSAAGGGCA WWNNAGGTCA	J_MA0071.1_RORA_1
J_MA0141.1_Esrb	1.1303e-05	TGCCCTTSA--- TGACCTTGRNNN	J_MA0141.1_Esrb
J_MA0440.1_ZAP1	1.2432e-04	----TSAAGGGCA-- ACCYTMAAGGTNATG	J_MA0440.1_ZAP1
J_MA0160.1_NR4A2	2.0804e-04	-TGCCTTSA GTGACCTT--	J_MA0160.1_NR4A2
J_MA0247.1_tin	3.2810e-04	-TSAAGGGCA YTCAAGTG--	J_MA0247.1_tin

69



Name	E value	Alignment	Motif
J_MA0160.1_NR4A2	1.6305e-06	CAAGGACANA -AAGGTCAC-	J_MA0160.1_NR4A2
J_MA0141.1_Esrb	5.4090e-05	----CAAGGACANA NNNYCAAGGTCA--	J_MA0141.1_Esrb

Stamp Results

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J_MA0071.1_RORA_1 6.9516e-05

TNTGTCCTTG--
--TGACCTNNWW



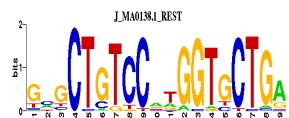
J_MA0138.2_REST 1.5267e-04

---TNTGTCCTTG-----
GNNGCTGTCCNNNGGTGCTGAN

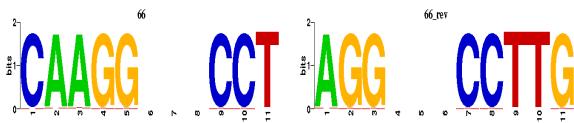


J_MA0138.1_REST 1.6489e-04

-----CAAGGACANA--
TCAGCACCCWNGGACAGCNC



66



forward

reverse compliment

Name

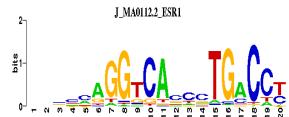
E value

Alignment

Motif

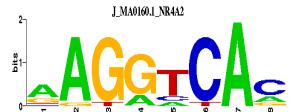
J_MA0112.2_ESR1 4.1666e-03

-----AGGNNNCCTTG-----
NNNNNAGGTACANNNTGACCY



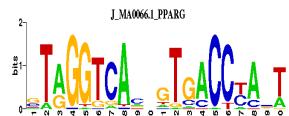
J_MA0160.1_NR4A2 8.2070e-03

AGGNNNCCTTG
--GTGACCTT--



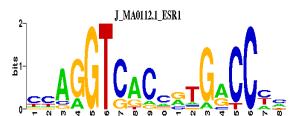
J_MA0066.1_PPARG 9.0210e-03

-----AGGNNNCCTTG-----
ANTRGGTCACNNNTGACCTAN



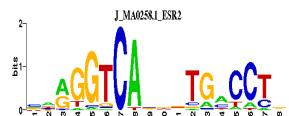
J_MA0112.1_ESR1 1.3586e-02

-----CAAGGNNNCCT--
NNGGYCANNNTGACCTNN



J_MA0258.1_ESR2 1.4027e-02

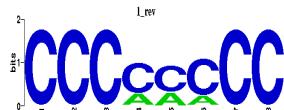
-----AGGNNNCCTTG-----
NAGGNCANNNTGACCYNN



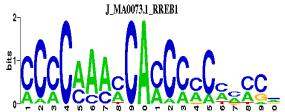
1

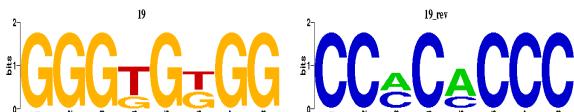


forward



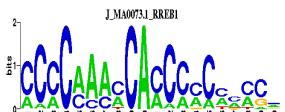
reverse compliment

Name	E value	Alignment	Motif
J_MA0073.1_RREB1	1.9576e-07	-GGGGGGGGG----- NGKKKGKGGGTGKTTGGGG	
J_MA0068.1_Pax4	1.6126e-06	GGGGGGGGG----- GKRNNNNKNNNNNNNNNNNNNNNNWWWTWTTY	
J_MA0039.2_Klf4	4.4025e-06	-CCCCCC-- GCCMCRCNN	
J_MA0079.2_SP1	5.2510e-06	GGGGGGGG-- GGGGGGGGG	
J_MA0443.1_btd	1.0308e-05	-CCCCCC-- YCCGCCCMCN	

19

forward

reverse compliment

Name	E value	Alignment	Motif
J_MA0039.2_Klf4	3.1476e-10	-CCMCACCC-- GCCMCRCNN	
J_MA0073.1_RREB1	9.1161e-07	-GGGTGKGG----- NGKKKGKGGGTGKTTGGGG	

Stamp Results

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J_MA0436.1_YPR022C 1.1875e-05

GGGTGKGG
-NGTGGGG



J_MA0268.1_ADR1 6.1808e-05

GGGTGKGG--
--KTGGGGN

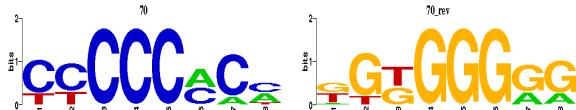


J_MA0373.1_RPN4 8.3734e-05

CCMCACCC
CGCCACC-



70



forward

reverse compliment

Name

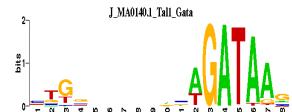
E value

Alignment

Motif

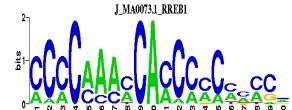
J_MA0140.1_Tal1_Gata 1.0759e-07

--KGKGGGGG-----
NNGNNNNNNNNAGATAAN



J_MA0073.1_RREB1 1.0723e-06

--KGKGGGGG-----
NGKKKGKGGGTGKTTGGGG



J_MA0436.1_YPR022C 5.0243e-06

KGKGGGGG
NGTGGGG-



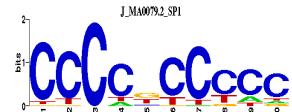
J_MA0268.1_ADR1 3.4669e-05

KGKGGGGG
-KTGGGGN



J_MA0079.2_SP1 1.5696e-04

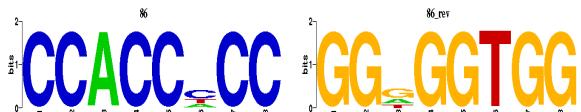
-KGKGGGGG-
GGGGNGGGG



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Stamp Results

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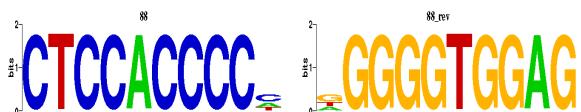


forward

reverse compliment

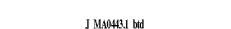
Name	E value	Alignment	Motif
J_MA0073.1_RREB1	1.4475e-07	-----GGNGGTGG----- NGKKKGKGGGTGKTTGGGG	
J_MA0443.1_btd	5.1571e-06	-CCACCNCC- YCCGCCMCN	
J_MA0079.2_SP1	8.5621e-06	--CCACCNCC CCCCNCCCCC	
J_MA0039.2_Klf4	7.2414e-05	-CCACCNCC- GCCMCRCCCN	
J_MA0068.1_Pax4	1.5082e-04	-----CCACCNCC----- RAAWAWWWNNMNNNNNNNNNNNNNNMNNNNNYMC	

88



forward

reverse compliment

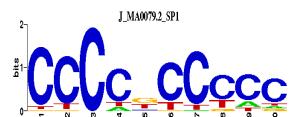
Name	E value	Alignment	Motif
J_MA0443.1_btd	5.0433e-07	-NGGGGTGGAG NGKGGGCGGR-	
J_MA0068.1_Pax4	1.4990e-06	-----NGGGGTGGAG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTTY	

Stamp Results

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J_MA0079.2_SP1 3.3722e-06

NGGGGTGGAG
GGGGGNNGGG



J_MA0130.1_ZNF354C 4.3429e-06

NGGGGTGGAG
----GTGGAK

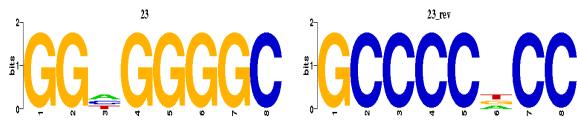


J_MA0373.1_RPN4 1.9891e-05

CTCCACCCCN
CGCCACC---



23



forward

reverse compliment

Name

E value

Alignment

Motif

J_MA0039.2_Klf4

5.4566e-09

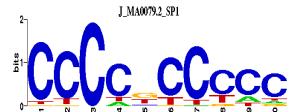
GCCCCNCC--
GCCMCRCNN



J_MA0079.2_SP1

6.0367e-07

---GGNGGGGC
GGGGGNNGGG-



J_MA0431.1_YML081W

5.8492e-06

--GGNGGGGC
NWGNNGGGN



J_MA0339.1_MIG3

1.9417e-05

GCCCCNCC
-CCCCRCN



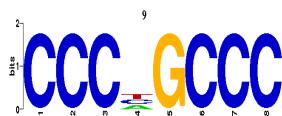
J_MA0337.1_MIG1

3.9951e-05

GGNGGGGC
-SYGGGGN



9

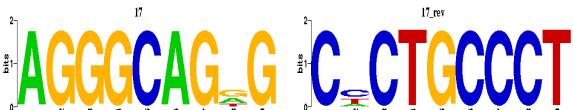


forward



reverse compliment

Name	E value	Alignment	Motif
J_MA0079.2_SP1	5.0420e-09	--GGGCNGGG GGGGGNGGGG	J_MA0079.2_SP1
J_MA0079.1_SP1	2.1319e-07	-CCCNCCCC- ACCCNGCCNN	J_MA0079.1_SP1
J_MA0039.2_Klf4	5.8829e-07	-CCCNCCCC- GCCMCRCCCN	J_MA0039.2_Klf4
J_MA0290.1_DAL81	4.2869e-05	--CCCNGCCC----- AATCCCGCCCCGCGGGTTTT	J_MA0290.1_DAL81
J_MA0112.2_ESR1	5.3931e-05	-----CCCNGCCC- NNNNNAGGTCAANNNTGACCY	J_MA0112.2_ESR1

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forward

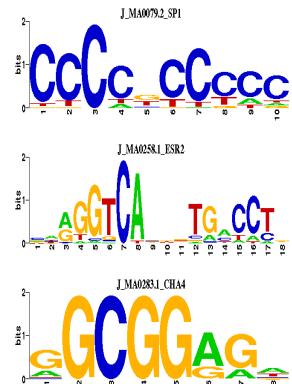
reverse compliment

Name	E value	Alignment	Motif
J_MA0112.2_ESR1	7.1511e-07	AGGGCAGNG----- RGGTCANNNTGACCTNNNNNN	J_MA0112.2_ESR1
J_MA0065.2_PPARG_RXR	1.6388e-06	-----CNCTGCCCT-- TGMCCCTTGNCYNN	J_MA0065.2_PPARG_RXR

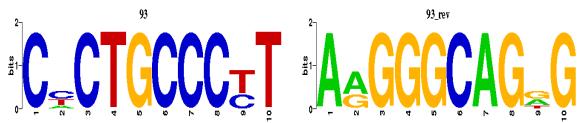
Stamp Results

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J_MA0079.2_SP1	4.0647e-05	-AGGGCAGNG GGGGGNGGGG
J_MA0258.1_ESR2	1.8814e-04	-----CNCTGCCCT-- NAGGNCCANNNTGACCYNN
J_MA0283.1_CHA4	5.9229e-04	-CNCTGCCCT NCTCCGCC--



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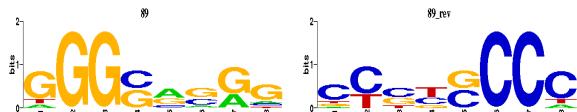


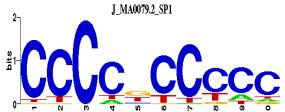
forward

reverse compliment

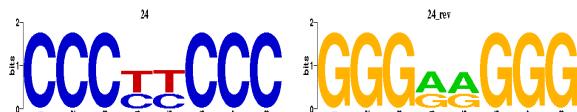
Name	E value	Alignment	Motif
J_MA0065.2_PPARG_RXR	1.2251e-06	----CYCTGCCCYT-- TGMCCCTTGNCYNN	J_MA0065.2_PPARG_RXR
J_MA0112.2_ESR1	2.2728e-06	ARGGGCAGRG----- -RGGTCANNNTGACCTNNNN	J_MA0112.2_ESR1
J_MA0079.2_SP1	1.7306e-05	ARGGGCAGRG GGGGGNGGGG	J_MA0079.2_SP1
J_MA0039.1_Klf4	8.6637e-05	-ARGGGCAGRG NAARRRAAGG-	J_MA0039.1_Klf4
J_MA0017.1_NR2F1	1.4507e-04	----CYCTGCCCYT TGAMCTTGNCNN	J_MA0017.1_NR2F1

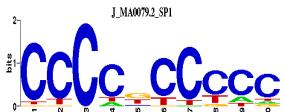
89

*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0079.2_SP1	6.1630e-07	-GGGSRSGG- GGGGGNNGGG	
J_MA0443.1_btd	1.3084e-04	-CCSYSCCC- YCCGCCMCN	
J_MA0065.2_PPARG_RXR	1.5283e-04	---GGGSRSGG---- NNRGGNCAAAGGKCA	
J_MA0079.1_SP1	2.7975e-04	-CCSYSCCC- ACCCNGCCNN	
J_MA0123.1_abi4	2.8933e-04	--GGGSRSGG NGNNNGCRSCG	

24

*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0079.2_SP1	1.8077e-07	-GGGRRGGG- GGGGGNNGGG	
J_MA0039.1_Klf4	9.3359e-05	CCCYYCCC--- -CCTTYYTTN	

Stamp Results

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J_MA0341.1_MSN2 2.2062e-04

CCCYYCCC
CCCCT---



J_MA0342.1_MSN4 4.3256e-04

CCCYYCCC
CCCCT---

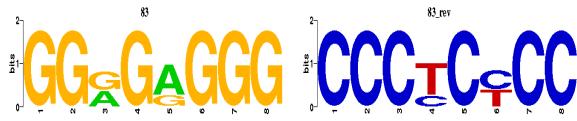


J_MA0366.1_RGM1 9.0281e-04

CCCYYCCC
CCCCT---



83



forward

reverse compliment

Name

E value

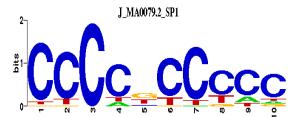
Alignment

Motif

J_MA0079.2_SP1

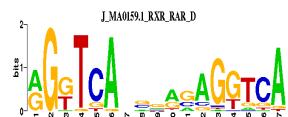
1.2006e-08

-GGRGAGGG-
GGGGGNGGGG



J_MA0159.1_RXR_RAR_D

1.0597e-04
--CCCTCYCC-----
TGACCTNYNNNNTGAMCY



J_MA0056.1_MZF1_1-4

2.2398e-04

CCCTCYCC-
---TCCCCN



J_MA0068.1_Pax4

2.9810e-04

GGRGAGGG-----
GKRNNNNKNNNNNNNNNNNNKNNWWWTWTTY



J_MA0443.1_btd

6.8359e-04

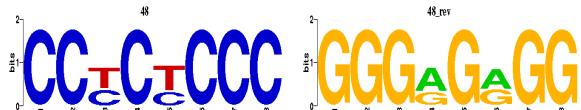
CCCTCYCC--
YCCGCCMCN



48

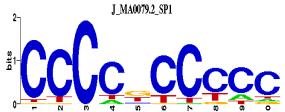
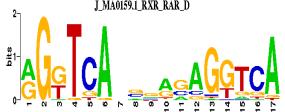
Stamp Results

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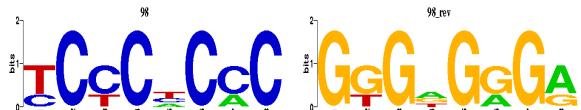


forward

reverse compliment

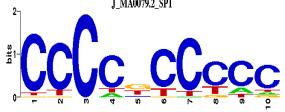
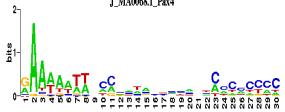
Name	E value	Alignment	Motif
J_MA0079.2_SP1	1.9813e-07	--GGGAGRG GGGGGNNGGG	
J_MA0341.1_MSN2	1.0732e-04	CCYCTCCC CCCCT---	
J_MA0159.1_RXR_RAR_D	1.3250e-04	---CCYCTCCC----- TGACCTNYNNNTGAMCY	
J_MA0342.1_MSN4	1.7547e-04	CCYCTCCC CCCCT---	
J_MA0366.1_RGM1	3.4538e-04	CCYCTCCC CCCCT---	

98



forward

reverse compliment

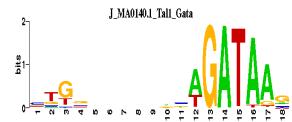
Name	E value	Alignment	Motif
J_MA0079.2_SP1	1.5260e-04	--GGGNGGGA GGGGGNNGGG	
J_MA0068.1_Pax4	1.7129e-04	-GGGNGGGA----- GKRNNNNKNNNNNNNNNNNNNNKNNWWWTWTTY	

Stamp Results

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J_MA0140.1_Tal1_Gata 3.3076e-04

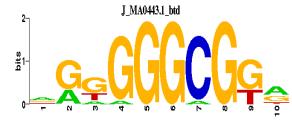
--GGGNNGGGA-----
NNGNNNNNNNNAGATAAN



J_MA0443.1_btd

5.0910e-04

TCCCNCCCC--
YCCGCCCMCN



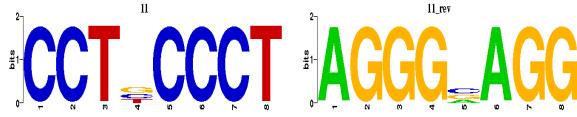
J_MA0290.1_DAL81

7.5438e-04

--TCCCNCCCC-----
AATCCCGCCCCGCGGCTTT



11

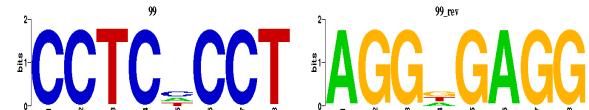


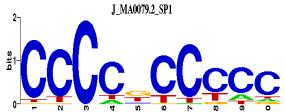
forward

reverse compliment

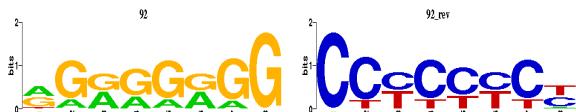
Name	E value	Alignment	Motif
J_MA0039.1_Klf4	1.9809e-05	CCTNCCCT-- CCTYYYTTN	J_MA0039.1_Klf4
J_MA0079.2_SP1	7.2354e-05	AGGGNAGG-- GGGGGNGGGG	J_MA0079.2_SP1
J_MA0112.2_ESR1	9.9523e-05	AGGGNAGG----- RGGTCANNNTGACCTNNNN	J_MA0112.2_ESR1
J_MA0366.1_RGM1	1.3768e-04	CCTNCCCT ---CCCCT	J_MA0366.1_RGM1
J_MA0342.1_MSN4	4.1864e-04	CCTNCCCT ---CCCCT	J_MA0342.1_MSN4

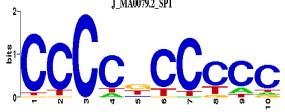
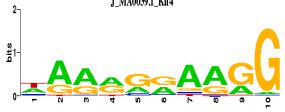
99

*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0079.2_SP1	1.3333e-05	AGGNGAGG-- GGGGGNNGGG	
J_MA0366.1_RGM1	4.3088e-05	AGGNGAGG AGGGG---	
J_MA0342.1_MSN4	4.5098e-05	CCTCNCT ---CCCCT	
J_MA0341.1_MSN2	1.0366e-04	CCTCNCT ---CCCCT	
J_MA0056.1_MZF1_1-4	2.5075e-04	CCTCNCT ---TCCCCN	

92

*forward**reverse compliment*

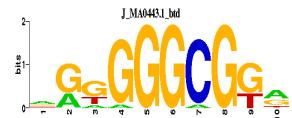
Name	E value	Alignment	Motif
J_MA0079.2_SP1	2.4028e-06	RGRGGRGG-- GGGGGNNGGG	
J_MA0039.1_Klf4	1.1393e-05	CCYCCYCY-- CCTTYYYTTN	

Stamp Results

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J_MA0443.1_btd 1.4961e-04

-RGRGGGRGG-
NGKGGGCGGR



J_MA0068.1_Pax4 1.5204e-04

RGRGGGRGG-----
GKRNNNNKNNNNNNNNNNNNNNKNNWWWTWTTY

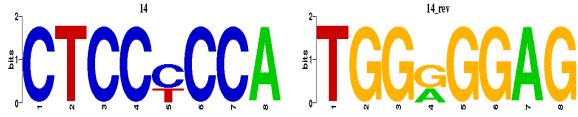


J_MA0341.1_MSN2 2.4085e-04

CCYCCYCY
-CCCCT--



14



forward

reverse compliment

Name

E value

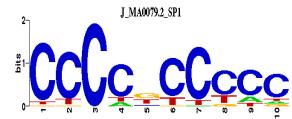
Alignment

Motif

J_MA0079.2_SP1

1.3155e-06

TGGGGGAG---
-GGGGGNGGGG



J_MA0056.1_MZF1_1-4

4.5278e-05

CTCCCCCA
-TCCCCN-

J_MA0056.1_MZF1_1-4



J_MA0283.1_CHA4

1.1818e-04

-CTCCCCCA
NCTCCGCC-

J_MA0283.1_CHA4

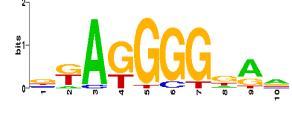


J_MA0057.1_MZF1_5-13

2.6502e-04

CTCCCCCA--
NTNCCCTMN

J_MA0057.1_MZF1_5-13



J_MA0268.1_ADR1

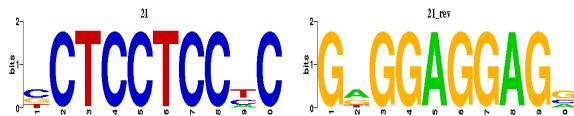
3.3528e-04

-TGGGGGAG
KTGGGGN--

J_MA0268.1_ADR1



21



Name	E value	Alignment	Motif
J_MA0079.2_SPI	6.9694e-06	-GNGGAGGAGN GGGGGNGGGG-	J_MA0079.2_SPI
J_MA0283.1_CHA4	2.2440e-04	NCTCCTCCNC NCTCCGCC--	J_MA0283.1_CHA4
J_MA0057.1_MZF1_5-13	1.3304e-03	NCTCCTCCNC- -NTNCCCCTMN	J_MA0057.1_MZF1_5-13
J_MA0443.1_btd	1.3757e-03	NCTCCTCCNC-- --YCCGCCCMCN	J_MA0443.1_btd
J_MA0081.1_SPIB	2.8240e-03	GNGGAGGAGN --ASMGGAA-	J_MA0081.1_SPIB

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Name	E value	Alignment	Motif
J_MA0062.1_GABPA	4.2490e-06	--AGGARGAG ACCGGAAGNS	J_MA0062.1_GABPA
J_MA0080.2_SPI1	1.2428e-05	CTCYTCCT -ACTTCCT	J_MA0080.2_SPI1

Stamp Results

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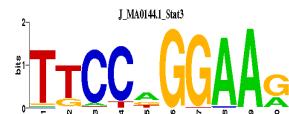
J_MA0283.1_CHA4 1.7590e-04

-CTCYTCCT
NCTCCGCC-



J_MA0144.1_Stat3 1.0668e-03

CTCYTCCT----
--CTTCCNGGAA

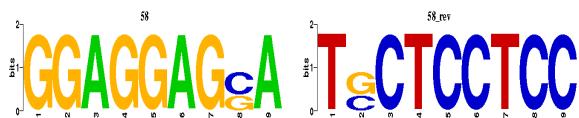


J_MA0156.1_FEV 1.5624e-03

CTCYTCCT-
-AYTTCTTG



58



forward

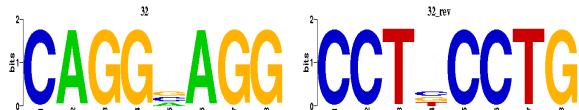
reverse compliment

Name	E value	Alignment	Motif
J_MA0283.1_CHA4	1.0413e-04	TSCTCCTCC -NCTCCGCC	
J_MA0079.2_SP1	3.0836e-04	GGAGGGAGSA- GGGGGNNGGG	
J_MA0062.1_GABPA	1.3055e-03	TSCTCCTCC--- --SNCTTCCGGT	
J_MA0081.1_SPIB	1.7388e-03	GGAGGGAGSA ASMGGA--	
J_MA0454.1_odd	3.0822e-03	-GGAGGGAGSA- NACAGTAGCAN	

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Stamp Results

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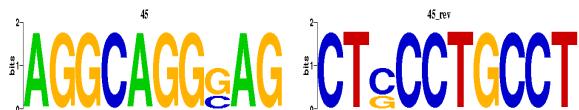


forward

reverse compliment

Name	E value	Alignment	Motif
J_MA0144.1_Stat3	8.6262e-06	CCTNCCTG--- -CTTCCNGGAA	J_MA0144.1_Stat3
J_MA0156.1_FEV	1.0674e-05	CCTNCCTG AYTCCTG	J_MA0156.1_FEV
J_MA0026.1_Eip74EF	3.8266e-05	CAGGNAGG CCGGAAR-	J_MA0026.1_Eip74EF
J_MA0080.2_SPI1	4.0883e-05	CCTNCCTG ACTTCCT-	J_MA0080.2_SPI1
J_MA0149.1_EWSR1-FLI	4.9159e-05	-----CAGGNAGG----- GGAAGGAAGGAAGGAAGG	J_MA0149.1_EWSR1-FLI

45



forward

reverse compliment

Name	E value	Alignment	Motif
J_MA0149.1_EWSR1-FLI	2.7060e-05	-----AGGCAGGGAG- GGAAGGAAGGAAGGAAGG	J_MA0149.1_EWSR1-FLI
J_MA0112.2_ESR1	7.5495e-04	-AGGCAGGGAG----- RGGTCA NNNTGACCTNNNN	J_MA0112.2_ESR1

Stamp Results

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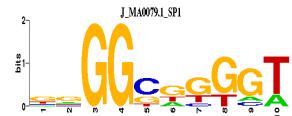
J_MA0340.1_MOT3 8.8002e-04

CTCCCTGCCT-
-----TRCCTN



J_MA0079.1_SPI1 9.2744e-04

CTCCCTGCCT-
-ACCCNGCCNN

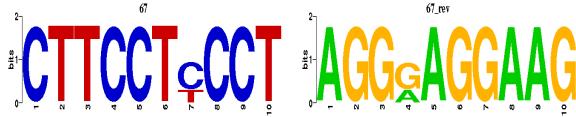


J_MA0344.1_NHP10 1.2952e-03

CTCCCTGCCT
-TCCCCGGN-



67



forward

reverse compliment

Name

E value

Alignment

Motif

J_MA0149.1_EWSR1-FLI 1.4197e-11

---AGGGAGGAAG-----
GGAAGGAAGGAAGGAAGG



J_MA0080.2_SPI1

1.4526e-06

-CTTCCTCCCT
ACTTCCT----



J_MA0081.1_SPIB

3.1481e-05

AGGGAGGAAG
--ASMGAA-



J_MA0080.1_SPI1

1.5380e-04

CTTCCTCCCT
STTCCN----



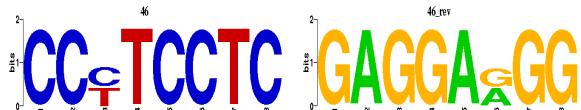
J_MA0156.1_FEV

3.3647e-04

-CTTCCTCCCT
AYTCCTG---

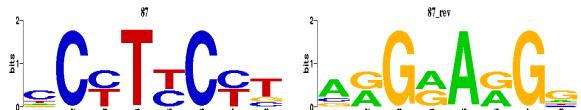


46

*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0039.1_Klf4	5.1276e-06	--GAGGARGG NAARRRAAGG	J_MA0039.1_Klf4
J_MA0080.2_SPI1	5.7359e-06	CCYTCCTC ACTTCCTT-	J_MA0080.2_SPI1
J_MA0149.1_EWSR1-FLI	9.3226e-06	-----CCYTCCTC-- CCTTCCTTCCTTCCTTCC	J_MA0149.1_EWSR1-FLI
J_MA0079.2_SP1	1.0342e-05	-GAGGARGG- GGGGGNGGGG	J_MA0079.2_SP1
J_MA0081.1_SPIB	4.3524e-05	-GAGGARGG ASMGGAA--	J_MA0081.1_SPIB

87

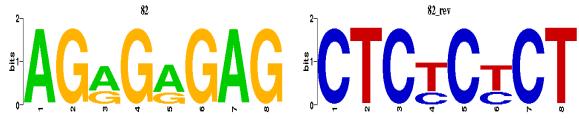
*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0039.1_Klf4	1.0287e-10	--ARGRARGG NAARRRAAGG	J_MA0039.1_Klf4
J_MA0149.1_EWSR1-FLI	1.1252e-05	--ARGRARGG----- GGAAGGAAGGAAGGAAGG	J_MA0149.1_EWSR1-FLI

Stamp Results

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82



forward *reverse compliment*

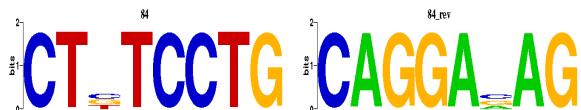
Name	E value	Alignment	Motif
J_MA0039.1_Klf4	6.5746e-04	-CTCTCTCT- CCTTYYTTN	J_MA0039.1_Klf4
J_MA0159.1_RXR_RAR_D	1.2051e-03	----CTCTCTCT---- TGACCTNYNNNTGAMCY	J_MA0159.1_RXR_RAR_D
J_MA0057.1_MZF1_5-13	3.5666e-03	--AGAGAGAG NKAGGGGNAN	J_MA0057.1_MZF1_5-13
J_MA0079.2_SP1	5.9680e-03	AGAGAGAG--- -GGGGGGGGGG	J_MA0079.2_SP1
J_MA0140.1_Tal1_Gata	6.5405e-03	-----CTCTCTCT----- NTTATCTNNNNNNNNNCNN	J_MA0140.1_Tal1_Gata

56



Name	E value	Alignment	Motif
J_MA0344.1_NHP10	3.2035e-04	CTNCCAG-- -TCCCCGGN	J_MA0344.1_NHP10
J_MA0056.1_MZF1_1-4	5.9883e-04	CTNCCCAG -TCCCCN-	J_MA0056.1_MZF1_1-4
J_MA0282.1_CEP3	2.1255e-03	CTGGGNAG YTCGGAAN	J_MA0282.1_CEP3
J_MA0080.1_SPI1	2.2458e-03	CTNCCCAG STTCCN--	J_MA0080.1_SPI1
J_MA0088.1_znf143	2.9335e-03	-----CTGGGNAG-- KCNNKGMANNMGTGGGANNNN	J_MA0088.1_znf143

84



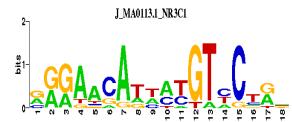
Name	E value	Alignment	Motif
J_MA0156.1_FEV	1.2211e-05	CTNTCCTG AYTTCTTG	J_MA0156.1_FEV
J_MA0207.1_achi	1.0002e-03	CTNTCCTG CTGTCA--	J_MA0207.1_achi

Stamp Results

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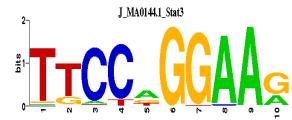
J_MA0113.1_NR3C1 1.0445e-03

-CAGGANAG-----
NYNGNACRKNNNTGTCYNT



J_MA0144.1_Stat3 1.2594e-03

CTNTCCTG---
-CTTCCNGGAA

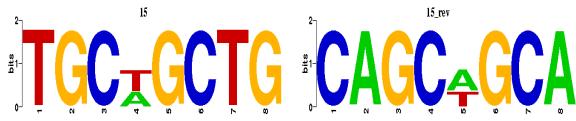


J_MA0227.1_hth 1.5924e-03

CTNTCCTG
CTGTCA--



15

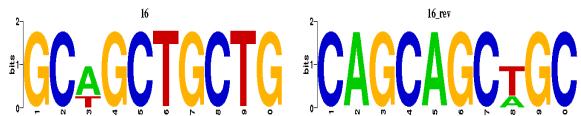


forward

reverse compliment

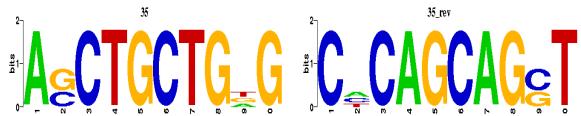
Name	E value	Alignment	Motif
J_MA0055.1_Myf	6.9603e-07	-TGCWGCTG--- CAGCAGYTGCYK	J_MA0055.1_Myf
J_MA0454.1_odd	2.6376e-06	-TGCWGCTG-- NTGCTACTGTN	J_MA0454.1_odd
J_MA0048.1_NHLH1	4.2554e-06	-TGCWGCTG--- NCGCAGCTGCGN	J_MA0048.1_NHLH1
J_MA0138.1_REST	2.7708e-05	-CAGCWGCA----- TCAGCACCCWNGGACAGCNC	J_MA0138.1_REST
J_MA0138.2_REST	4.6628e-05	-----TGCWGCTG-- GNNGCTGTCCNNGGTGCTGAN	J_MA0138.2_REST

16

*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0055.1_Myf	1.0096e-12	CAGCAGCTGC-- CAGCAGTGCYK	
J_MA0048.1_NHLH1	7.2088e-09	CAGCAGCTGC-- NCGCAGCTGCGN	
J_MA0454.1_odd	3.4009e-04	GCAGCTGCTG-- -NTGCTACTGTN	
J_MA0086.1_sna	9.3057e-04	CAGCAGCTGC ---CACCTG--	
J_MA0402.1_SWI5	3.2660e-03	---CAGCAGCTGC NACCAGCA-----	

35

*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0055.1_Myf	1.7189e-05	-CNCAGCAGST- MRGCARCTGCTG	
J_MA0454.1_odd	8.6369e-05	-ASCTGCTGNG NTGCTACTGTN	

Stamp Results

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J_MA0150.1_NFE2L2 1.2550e-04

ASCTGCTGNG----
---TGCTNWGTCA



J_MA0402.1_SWI5 3.7648e-04

-CNCAGCAGST
NACCAGCA---

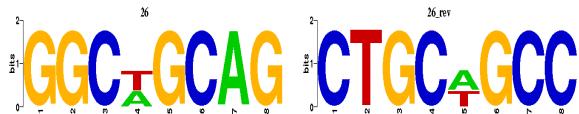


J_MA0332.1_MET28 1.5303e-03

-CNCAGCAGST
CCACAG-----



26



forward

reverse compliment

Name

E value

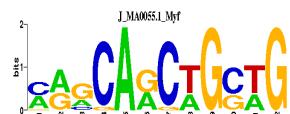
Alignment

Motif

J_MA0055.1_Myf

1.5651e-04

CTGCWGCC----
CAGCAGYTGCYK



J_MA0119.1_TLX1_NFIC 1.9884e-03

-----CTGCWGCC--
TTGGCANNSTGCCA



J_MA0385.1_SOK2

3.1181e-03

GGCWGCAG---
NNMTGCAKNNN



J_MA0111.1_Spz1

3.4293e-03

-CTGCWGCC--
GCTGWTACCCCT



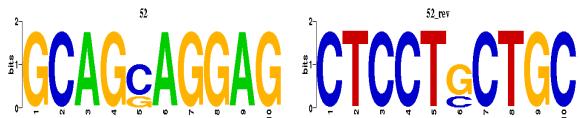
J_MA0048.1_NHLH1

4.1103e-03

-GGCWGCAG---
NCGCAGCTGCGN

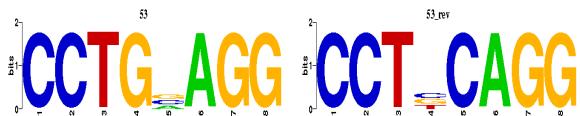


52



Name	E value	Alignment	Motif
J_MA0055.1_Myf	3.9319e-07	CTCCTGCTGC-- CAGCAGYTGCYK	J_MA0055.1_Myf
J_MA0456.1_opa	1.5106e-04	GCAGCAGGAG--- -CNGGGGGGGKC	J_MA0456.1_opa
J_MA0086.1_sna	8.1111e-04	CTCCTGCTGC CACCTG----	J_MA0086.1_sna
J_MA0287.1_CUP2	8.1688e-04	--CTCCTGCTGC CWTTTYTGCTG-	J_MA0287.1_CUP2
J_MA0454.1_odd	2.0232e-03	CTCCTGCTGC- NTGCTACTGTN	J_MA0454.1_odd

53



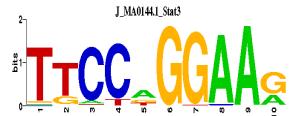
Name	E value	Alignment	Motif
J_MA0139.1_CTCF	3.5703e-04	-----CCTGNAGG--- NNSYGCCMCCTRSTGGNNR	J_MA0139.1_CTCF
J_MA0003.1_TFAP2A	9.2084e-04	-CCTGNAGG GCCNNNNGS	J_MA0003.1_TFAP2A

Stamp Results

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J_MA0144.1_Stat3 9.7032e-04

---CCTGNAGG
CTTCCNGGAA-



J_MA0026.1_Eip74EF 1.2280e-03

CCTNCAGG
-YTTCCGG

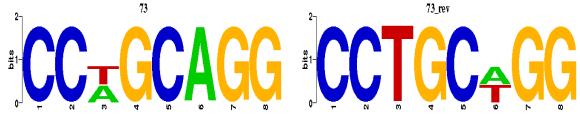


J_MA0076.1_ELK4 4.2259e-03

CCTNCAGG-
ACTTCCGGT



73



forward

reverse compliment

Name

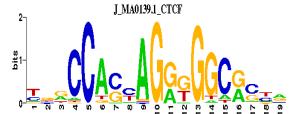
E value

Alignment

Motif

J_MA0139.1_CTCF 1.6231e-05

-----CCTGCWGG---
NNSYGCCMCCTRSTGGNNR



J_MA0402.1_SWI5 3.0556e-05

--CCWGCAGG
NACCAGCA--



J_MA0055.1_Myf 4.8606e-04

-----CCTGCWGG
MRGCARCTGCTG-



J_MA0456.1_opa 7.8900e-04

-----CCTGCWGG
GMCCCCCGCNG-



J_MA0267.1_ACE2 2.3020e-03

CCTGCWGG-
--NGCTGGN

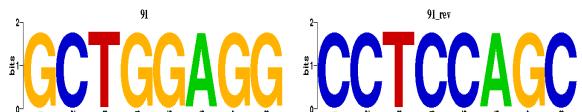


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Name	E value	Alignment	Motif
J_MA0154.1_EBF1	1.3943e-05	-CCCGGGAG- TCCCTNGGN	J_MA0154.1_EBF1
J_MA0144.1_Stat3	1.1310e-04	-CTCCWGGG- CTTCCNGGAA	J_MA0144.1_Stat3
J_MA0364.1_REI1	1.7164e-03	CTCCWGGG- --NCAGGGG	J_MA0364.1_REI1
J_MA0086.1_sna	1.7244e-03	CTCCWGGG CACCTG--	J_MA0086.1_sna
J_MA0116.1_Zfp423	2.0263e-03	---CTCCWGGG--- GNMMCCYTRGGKKSC	J_MA0116.1_Zfp423

91



Name	E value	Alignment	Motif
J_MA0267.1_ACE2	1.7345e-04	CCTCCAGC- ---NCCAGCN	J_MA0267.1_ACE2
J_MA0402.1_SWI5	6.1244e-04	CCTCCAGC- -NACCAGCA	J_MA0402.1_SWI5

Stamp Results

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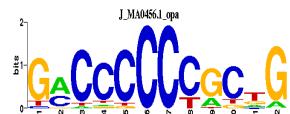
J_MA0130.1_ZNF354C 8.7226e-04

GCTGGAGG
-GTGGAK-



J_MA0456.1_opa 2.9052e-03

--GCTGGAGG--
CNGCGGGGGGKC

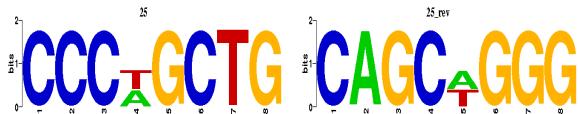


J_MA0410.1_UGA3 4.3694e-03

CCTCCAGC--
--TCCCGCCN



25



forward

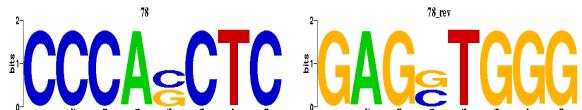
reverse compliment

Name	E value	Alignment	Motif
J_MA0456.1_opa	2.2526e-06	CAGCWGGG---- CNGCGGGGGGKC	
J_MA0048.1_NHLH1	1.3168e-05	---CAGCWGGG-- NCGCAGCTGCGN	
J_MA0139.1_CTCF	5.4278e-05	-----CCCWGCTG---- NNSYGCCMCCTRSTGGNNR	
J_MA0055.1_Myf	8.4961e-05	-CCCWGCTG--- CAGCAGYTGCYK	
J_MA0364.1_REI1	1.1963e-03	CAGCWGGG-- --NCAGGGG	

65

*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0048.1_NHLH1	7.3522e-07	-CNCAGCTGC-- NCGCAGCTGCGN	
J_MA0055.1_Myf	2.3265e-05	-CNCAGCTGC-- CAGCAGYTGCYK	
J_MA0335.1_MET4	2.6969e-04	-CNCAGCTGC CCACAGNT--	
J_MA0456.1_opa	3.6801e-04	GCAGCTGNG--- -CNGCGGGGGGKC	
J_MA0086.1_sna	3.8882e-04	CNCAGCTGC --CACCTG-	



78

*forward**reverse compliment*

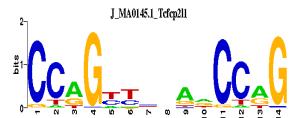
Name	E value	Alignment	Motif
J_MA103.1_ZEB1	2.2991e-04	GAGSTGGG NAGGTG--	
J_MA0086.1_sna	2.8153e-04	CCCASCTC --CACCTG	

Stamp Results

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J_MA0145.1_Tcfcp2l1 1.1142e-03

-----GAGSTGGG
CYGGNTNNRNCYGG-



J_MA0436.1_YPR022C 1.4298e-03

GAGSTGGG--
--NGTGGGG



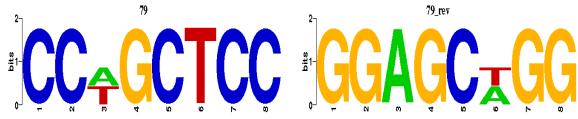
J_MA0009.1_T

1.5886e-03

--CCCASCTC--
TTCACACCTAG



79



forward

reverse compliment

Name

E value

Alignment

Motif

J_MA0276.1_ASH1

4.1072e-04

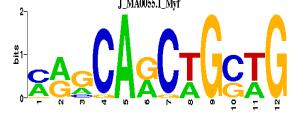
CCWGCTCC--
CCYGATNYGG



J_MA0055.1_Myf

4.4924e-04

--CCWGCTCC--
CAGCAGYTGCYK



J_MA0145.1_Tcfcp2l1

9.0885e-04

-----GGAGCWGG
CYGGNTNNRNCYGG



J_MA0138.2_REST

1.1025e-03

GGAGCWGG-----
GNNGCTGTCCNNNGGTGCTGAN



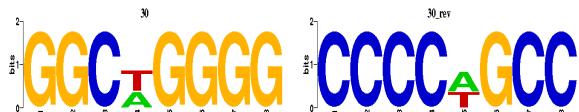
J_MA0267.1_ACE2

1.9900e-03

GGAGCWGG--
--NGCTGGN

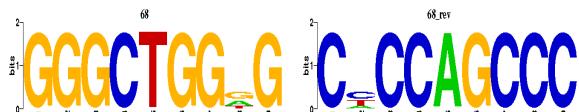


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Name	E value	Alignment	Motif
J_MA0155.1_INSM1	4.3335e-06	-GGCWGGGG--- TGYCAGGGGGCR	J_MA0155.1_INSM1
J_MA0364.1_REI1	1.1074e-05	GGCWGGGG -NCAGGGG	J_MA0364.1_REI1
J_MA0079.1_SP1	4.8408e-05	CCCCWGCC-- ACCCNGCCNN	J_MA0079.1_SP1
J_MA0344.1_NHP10	5.9918e-05	-CCCCWGCC TCCCCGGN-	J_MA0344.1_NHP10
J_MA0366.1_RGM1	1.3647e-04	CCCCWGCC CCCCT---	J_MA0366.1_RGM1

68



Name	E value	Alignment	Motif
J_MA0079.2_SP1	5.5296e-05	--GGGCTGGNG GGGGGGNGGGG-	J_MA0079.2_SP1
J_MA0344.1_NHP10	2.7365e-04	-CNCCAGCCCC TCCCCGGN--	J_MA0344.1_NHP10

Stamp Results

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J_MA0267.1_ACE2 3.9729e-04

CNCCAGCCC
-NCCAGCN-



J_MA0039.2_Klf4 4.3672e-04

-CNCCAGCCC
GCCMCRCNN

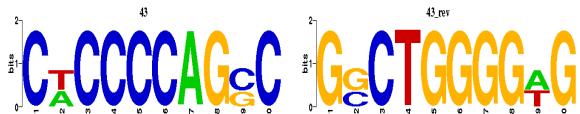


J_MA0402.1_SWI5 8.5321e-04

CNCCAGCCC
NACCAGCA-



43



forward

reverse compliment

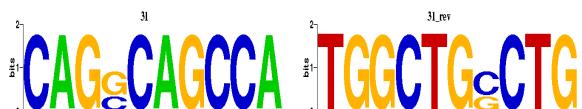
Name	E value	Alignment	Motif
J_MA0344.1_NHP10	1.6201e-05	GSCTGGGGWG -NCCGGGGA-	
J_MA0332.1_MET28	5.3056e-04	CWCCCCAGSC --CCACAG--	
J_MA0056.1_MZF1_1-4	6.3482e-04	CWCCCCAGSC -TCCCCN---	
J_MA0268.1ADR1	8.1934e-04	GSCTGGGGWG --KTGGGGN-	
J_MA0436.1_YPR022C	8.4360e-04	GSCTGGGGWG -NGTGGGG--	

77

*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0079.1_SP1	2.8035e-05	CNCCCCAGCC-- -ACCCNGCCNN	J_MA0079.1_SP1
J_MA0267.1_ACE2	3.9729e-04	GGCTGGGNG NGCTGGN--	J_MA0267.1_ACE2
J_MA0155.1_INSM1	4.6247e-04	--CNCCCCAGCC- YGCCCGCTGRCA	J_MA0155.1_INSM1
J_MA0456.1_opa	1.0596e-03	-GGCTGGGNG-- CNGCGGGGGGGK	J_MA0456.1_opa
J_MA0402.1_SWI5	1.2050e-03	CNCCCCAGCC -NACCAGCA	J_MA0402.1_SWI5

31

*forward**reverse compliment*

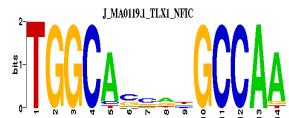
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0304.1_GCR1	3.9108e-04	TGGCTGCCTG -GGCTTCCA-	J_MA0304.1_GCR1
J_MA0340.1_MOT3	4.0387e-04	TGGCTGCCTG ----TRCCTN	J_MA0340.1_MOT3

Stamp Results

11/22/15

J_MA0119.1_TLX1_NFIC 1.8255e-03

-TGGCTGCCTG---
TTGGCNNNSTGCCA



J_MA0156.1_FEV

4.3265e-03

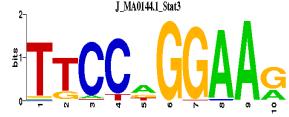
TGGCTGCCTG
--AYTTCCTG



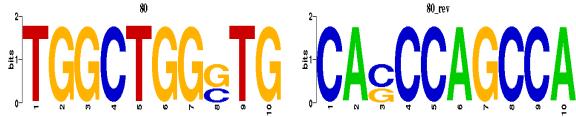
J_MA0144.1_Stat3

5.4762e-03

TGGCTGCCTG---
---CTTCCNGGAA



80



forward

reverse compliment

Name

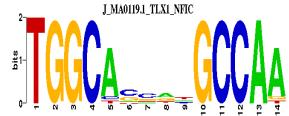
E value

Alignment

Motif

J_MA0119.1_TLX1_NFIC 6.4025e-06

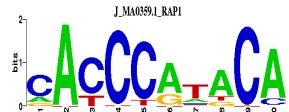
-TGGCTGGSTG---
TTGGCNNNSTGCCA



J_MA0359.1_RAP1

7.4991e-06

TGGCTGGSTG
TGTATGGGTG



J_MA0079.1_SP1

8.5718e-06

-TGGCTGGSTG
NNGGCNGGGT-



J_MA0155.1_INSM1

5.6807e-04

TGGCTGGSTG--
TGYCAGGGGGCR



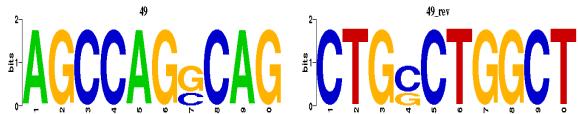
J_MA0267.1_ACE2

6.9099e-04

CASCCAGCCA
--NCCAGCN-

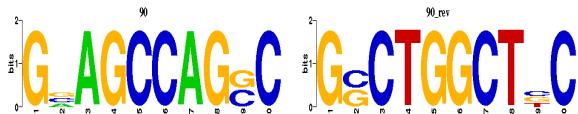


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*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0144.1_Stat3	3.8388e-05	AGCCAGGCAG TTCCNGGAAG	J_MA0144.1_Stat3
J_MA0340.1_MOT3	3.0620e-04	CTGCCTGGCT -TRCCTN---	J_MA0340.1_MOT3
J_MA0060.1_NFYA	1.3414e-03	---CTGCCTGGCT--- NNNCYSATTGGYYNNNN	J_MA0060.1_NFYA
J_MA0344.1_NHP10	1.3894e-03	CTGCCTGGCT -TCCCCGGN-	J_MA0344.1_NHP10
J_MA0156.1_FEV	3.5464e-03	-CTGCCTGGCT AYTTCTG---	J_MA0156.1_FEV

90

*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0260.1_che-1	5.8912e-04	GSCTGGCTNC ----GGYTTC	J_MA0260.1_che-1
J_MA0213.1_brk	1.5435e-03	GNAGCCAGSC RGCGCCRS--	J_MA0213.1_brk

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J_MA0304.1_GCR1 1.8971e-03

GSCTGGCTNC--
-----GGCTTCCA



J_MA0267.1_ACE2 5.5979e-03

GSCTGGCTNC
NGCTGGN---

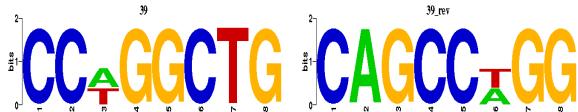


J_MA0092.1_Hand1_T 5.9060e-03

GNAGCCAGSC-
-NNNCCAGAYN



39



forward

reverse compliment

Name

E value

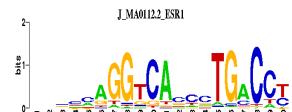
Alignment

Motif

J_MA0112.2_ESR1

3.0291e-03

---CCWGGCTG-----
RGGTCANNNTGACCTNNNNNN



J_MA0144.1_Stat3

3.6758e-03

CAGCCWGG--
CTTCCNGGAA



J_MA0155.1_INSM1

6.4189e-03

-----CCWGGCTG
YGCCCCCTGRCA-



J_MA0344.1_NHP10

9.4679e-03

--CCWGGCTG
TCCCCGGN--



J_MA0368.1_RIM101

1.0755e-02

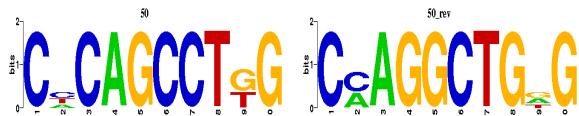
CCWGGCTG
CTTGGCR-



50

Stamp Results

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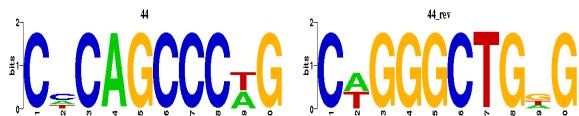


forward

reverse compliment

Name	E value	Alignment	Motif
J_MA0283.1_CHA4	1.4363e-03	-CNCAGCCTKG NCTCCGCC---	
J_MA0079.1_SP1	2.4518e-03	-CNCAGCCTKG ACCCNGCCNN-	
J_MA0088.1_znf143	2.5973e-03	-----CMAGGCTGNG----- KCNNKGMANNMGTGGGANNNN	
J_MA0267.1_ACE2	6.6902e-03	CMAGGCTGNG ---NGCTGGN	
J_MA0340.1_MOT3	7.8807e-03	CNCAGCCTKG ---TRCCTN-	

44



forward

reverse compliment

Name	E value	Alignment	Motif
J_MA0079.2_SP1	1.3410e-04	CWGGGCTGNG GGGGGGGGGG	
J_MA0079.1_SP1	1.1129e-03	-CNCAGCCCWG ACCCNGCCNN-	

Stamp Results

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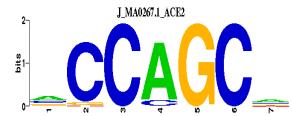
J_MA0039.2_Klf4 1.7419e-03

-CNCAGCCCWG
GCCMCRCCCN-



J_MA0267.1_ACE2 3.0617e-03

CWGGGCTGNG
---NGCTGGN

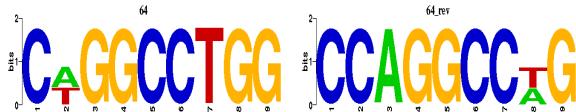


J_MA0403.1_TBF1 3.2882e-03

-CWGGGCTGNG
NTAGGGYT---



64

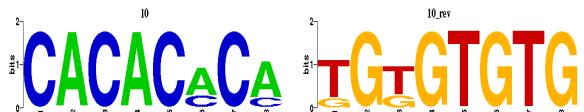


forward

reverse compliment

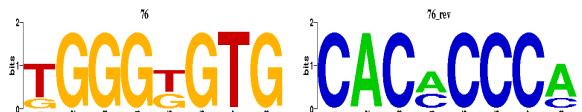
Name	E value	Alignment	Motif
J_MA0146.1_Zfx	1.2081e-04	-----CCAGGCCWG NNNGCCNNNGCCTN	J_MA0146.1_Zfx
J_MA0106.1_TP53	2.1296e-03	-----CCAGGCCWG- NNGGACATGCCCGGGCATGT	J_MA0106.1_TP53
J_MA0344.1_NHP10	7.0944e-03	--CCAGGCCWG TCCCCGGN---	J_MA0344.1_NHP10
J_MA0119.1_TLX1_NFIC	7.5811e-03	-----CCAGGCCWG TGGCASNNNGCCAA	J_MA0119.1_TLX1_NFIC
J_MA0145.1_Tcfcp2l1	8.5061e-03	CWGGCCTGG----- CYGGNTNNRNCYGG	J_MA0145.1_Tcfcp2l1

10



Name	E value	Alignment	Motif
J_MA0009.1_T	1.2321e-04	--CACACACA-- TTCACACCTAG	
J_MA0450.1_hkb	4.8853e-04	-CACACACA TCACGCCCM	
J_MA0270.1_AFT2	5.1637e-04	TGTGTGTG NGGGTGTN	
J_MA0039.2_Klf4	6.5716e-04	--CACACACA GCCMCRCCC	
J_MA0073.1_RREB1	1.1322e-03	----TGTGTGTG----- NGKKKGKGGGTGKTTGGGG	

76



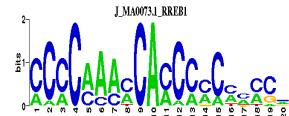
Name	E value	Alignment	Motif
J_MA0009.1_T	3.0047e-06	--CACMCCCCA-- TTCACACCTAG	
J_MA0450.1_hkb	8.4290e-06	-CACMCCCCA TCACGCCCM	

Stamp Results

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J_MA0073.1_RREB1 1.0179e-05

-----TGGGKGTG-----
NGKKKGKGGGTGKTTGGGG



J_MA0270.1_AFT2 1.3166e-05

TGGGKGTG
NGGGTGTN

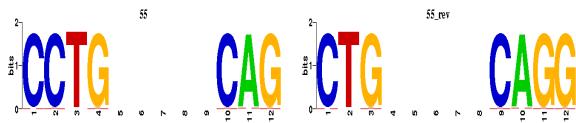


J_MA0039.2_Klf4 7.6095e-05

--CACMCCA
GCCMCRCNN



55



forward

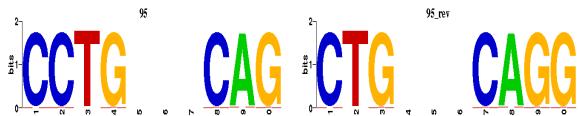
reverse compliment

Name	E value	Alignment	Motif
J_MA0086.1_sna	2.5117e-02	CTGN>NNNNCAGG-- -----CAGGTG	J_MA0086.1_sna
J_MA0364.1_REI1	7.3608e-02	CTGN>NNNNCAGG-- -----NCAGGGG	J_MA0364.1_REI1
J_MA0156.1_FEV	1.6225e-01	----CCTGN>NNNNCAG AYTTCCCTG-----	J_MA0156.1_FEV
J_MA0340.1_MOT3	1.9003e-01	--CCTGN>NNNNCAG TRCCTN-----	J_MA0340.1_MOT3
J_MA0366.1_RGM1	2.3967e-01	--CCTGN>NNNNCAG CCCCT-----	J_MA0366.1_RGM1

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Stamp Results

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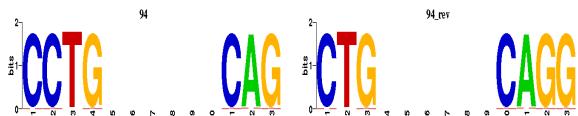


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0276.1_ASH1	1.3238e-02	CCTGNNNCAG CCYGATNYGG	J_MA0276.1_ASH1
J_MA0086.1_sna	1.4724e-02	CTGNNNCAGG-- -----CAGGTG	J_MA0086.1_sna
J_MA0150.1_NFE2L2	3.4615e-02	-CCTGNNNCAG TGCTNWGTCAY	J_MA0150.1_NFE2L2
J_MA0364.1_REI1	4.4997e-02	CTGNNNCAGG-- -----NCAGGGG	J_MA0364.1_REI1
J_MA0099.2_AP1	5.1318e-02	CCTGNNNCAG --TGAGTCA--	J_MA0099.2_AP1

94



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0086.1_sna	2.9949e-02	CTGNNNNNNCAGG-- -----CAGGTG	J_MA0086.1_sna
J_MA0364.1_REI1	8.6185e-02	CTGNNNNNNCAGG-- -----NCAGGGG	J_MA0364.1_REI1

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J_MA0156.1_FEV 1.8820e-01

----CCTGNNNNNNCAG
AYTTCCCTG-----



J_MA0340.1_MOT3 2.1386e-01

--CCTGNNNNNNCAG
TRCCCTN-----

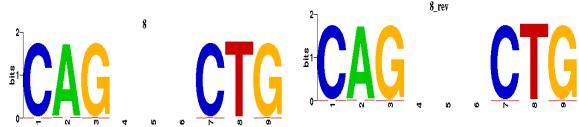


J_MA0366.1_RGM1 2.6577e-01

--CCTGNNNNNNCAG
CCCCT-----



8

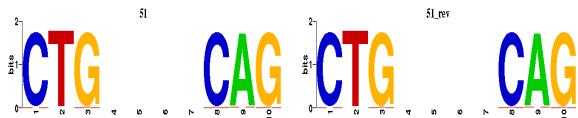


forward

reverse compliment

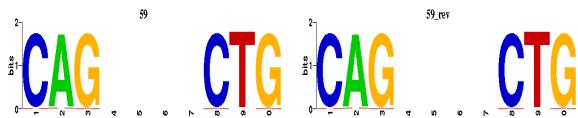
Name	E value	Alignment	Motif
J_MA0055.1_Myf	5.0518e-03	CAGNNNCTG--- CAGCAGYTGCYK	J_MA0055.1_Myf
J_MA0126.1_ovo	1.0248e-01	-CAGNNNCTG NCNGTTACW-	J_MA0126.1_ovo
J_MA0239.1_prd	1.0248e-01	-CAGNNNCTG NCNGTTACW-	J_MA0239.1_prd
J_MA0454.1_odd	1.7515e-01	CAGNNNCTG-- NTGCTACTGTN	J_MA0454.1_odd
J_MA0048.1_NHLH1	2.0546e-01	CAGNNNCTG--- NCGCAGCTGCGN	J_MA0048.1_NHLH1

51

*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0018.2_CREB1	1.0329e-01	CTGNNNNCAG -TGACGTCA-	J_MA0018.2_CREB1
J_MA0157.1_FOXO3	1.5417e-01	CTGNNNNCAG -TGTTTACA-	J_MA0157.1_FOXO3
J_MA0299.1_GAL4	2.5596e-01	-----CTGNNNNCAG GANNRNTNTNNNCCG	J_MA0299.1_GAL4
J_MA0140.1_Tall1_Gata	2.7553e-01	-----CTGNNNNCAG--- NTTATCTNNNNNNNNCNN	J_MA0140.1_Tall1_Gata
J_MA0332.1_MET28	2.9012e-01	CTGNNNNCAG ----CCACAG	J_MA0332.1_MET28

59

*forward**reverse compliment*

Name	E value	Alignment	Motif
J_MA0138.1_REST	2.2927e-01	-CAGNNNNCTG----- TCAGCACCCWNGGACAGCNC	J_MA0138.1_REST
J_MA0332.1_MET28	2.9012e-01	---CAGNNNNCTG CCACAG-----	J_MA0332.1_MET28

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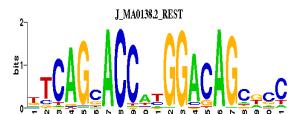
J_MA0086.1_sna 2.9218e-01

CAGNNNNCTG
----CACCTG



J_MA0138.2_REST 3.0584e-01

-----CAGNNNNCTG--
GNNGCTGTCCNNGGTGCTGAN

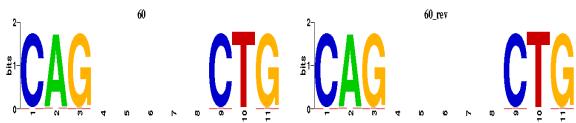


J_MA0207.1_achi 3.0646e-01

---CAGNNNNCTG
TGACAG-----



60



forward

reverse compliment

Name

E value

Alignment

Motif

J_MA0287.1_CUP2 2.5534e-01

CAGNNNNNCTG
CWTTTYTGCTG



J_MA0332.1_MET28 3.3232e-01

---CAGNNNNNCTG
CCACAG-----



J_MA0086.1_sna 3.3450e-01

CAGNNNNNCTG
----CACCTG



J_MA0207.1_achi 3.4960e-01

---CAGNNNNNCTG
TGACAG-----

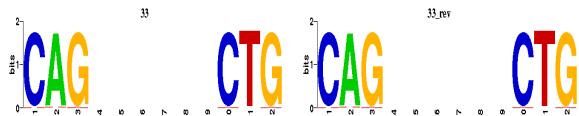


J_MA0227.1_hth 4.2675e-01

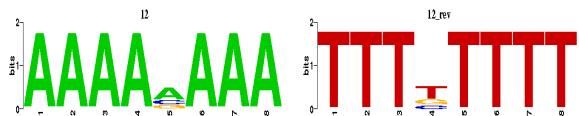
CAGNNNNNCTG---
-----CTGTCA



33



Name	E value	Alignment	Motif
J_MA0055.1_Myf	1.0301e-01	CAGNNNNNNCTG CAGCAGYTGCYK	
J_MA0112.2_ESR1	3.0893e-01	----CAGNNNNNNCTG---- RGGTCAANNNTGACCTNNNNN	
J_MA0332.1_MET28	3.6932e-01	---CAGNNNNNNCTG CCACAG-----	
J_MA0086.1_sna	3.7158e-01	CAGNNNNNNCTG -----CACCTG	
J_MA0207.1_achi	3.8724e-01	---CAGNNNNNNCTG TGACAG-----	

12

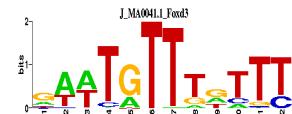
Name	E value	Alignment	Motif
J_MA0277.1_AZF1	2.0202e-08	TTTAKTTTT- TTTCTTTTT	
J_MA0049.1_hb	5.0369e-06	-TTTAKTTTT- NTTTTNYKS	

Stamp Results

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J_MA0041.1_Foxd3 7.5739e-05

AAAAMAAA-----
-AAANAAACAWTN



J_MA0120.1_id1 3.1594e-04

-----AAAAMAAA
CGNNANNRRMNA



J_MA0013.1_br_Z4 4.9995e-04

TTTKTTTT---
WTWNNTTACTA



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