

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

Input file: 12 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](#)

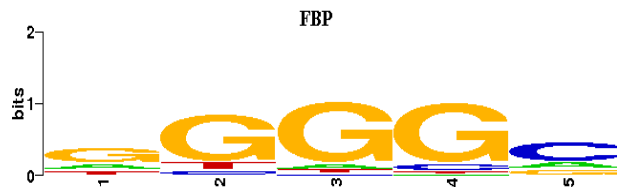
[Click here to run STAMP again.](#)

Multiple Alignment

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

M0 :	--TGGGCT--
M1 :	GGTGGG---
M2 :	TGGGGG---
M3 :	AAGGGG---
M4 :	--GGGGCA--
M5 :	---GGGAGG
M6 :	---TGGCTG
M7 :	GTGGGG---
M8 :	GCAGGG---
M9 :	TTGCAG---
M10 :	AGAGGG---
M11 :	--GGGGGT--

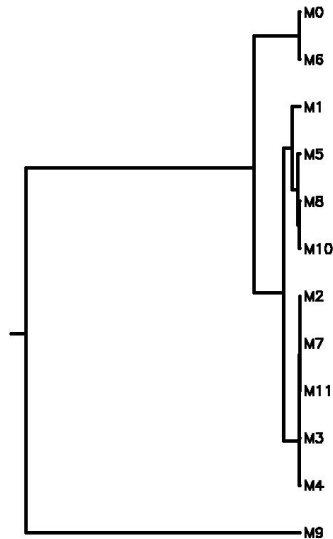
Familial Profile:
([click for matrix](#))



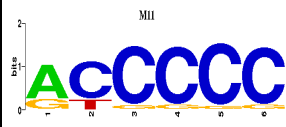

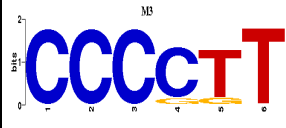

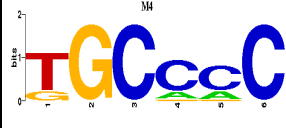
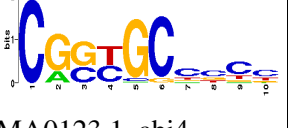
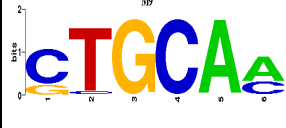

Motif Tree

Tree (drawn by [Phylip](#))

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



Input Motif	Best match in JASPAR
 M0	 MA0162.1_Egr1 (E val: 2.2523e-04)
 M6	 MA0285.1_CRZ1 (E val: 3.8023e-04)
 M1	 MA0436.1_YPR022C (E val: 8.2308e-06)
 M5	 MA0079.2_SP1 (E val: 6.6034e-06)
 M8	 MA0364.1_REI1 (E val: 7.1451e-06)
 M10	 MA0081.1_SPIB (E val: 2.9851e-04)
 M2	 MA0436.1_YPR022C (E val: 1.1657e-05)
 M7	 MA0436.1_YPR022C

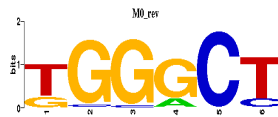
	(E val: 2.1694e-09)
 M11	 MA0456.1_opa (E val: 2.0770e-06)
 M3	 MA0366.1_RGM1 (E val: 1.5783e-07)
 M4	 MA0123.1_abi4 (E val: 2.3191e-05)
 M9	 MA0244.1_slbo (E val: 9.0612e-05)

Motif Similarity Matches


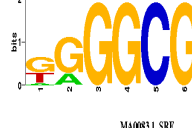

M0



forward



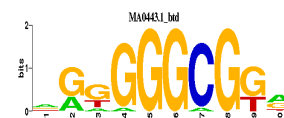
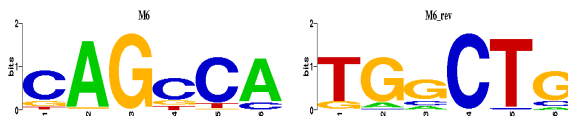
reverse compliment

Name	E value	Alignment	Motif
MA0162.1_Egr1	2.2523e-04	-AGCCCA---- MCGCCCACGCN	
MA0450.1_hkb	8.8929e-04	---AGCCCA TCACGCCCM	
MA0083.1_SRF	8.9016e-04	-----TGGGCT CCATATATGGGC-	

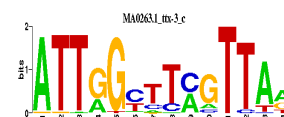
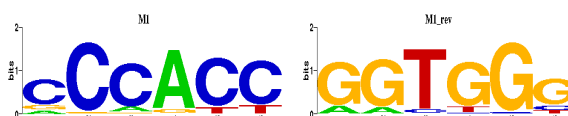
MA0403.1_TBF1 1.6647e-03

--TGGGCT
NTAGGGYT

MA0443.1_btd 2.6406e-03

--AGCCCA--
YCCGCCCMCN**M6***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0285.1_CRZ1	3.8023e-04	-TGGCTG-- GNGGCTNNN	MA0285.1_CRZ1
MA0263.1_ttx-3_c	1.5798e-03	--TGGCTG----- ATTGGYTTMGTTAR	MA0263.1_ttx-3_c
MA0161.1_NFIC	1.6109e-03	-TGGCTG TTGGCN-	MA0161.1_NFIC
MA0359.1_RAP1	3.4009e-03	----TGGCTG TGTATGGGTG	MA0359.1_RAP1
MA0373.1_RPN4	4.0019e-03	--TGGCTG GGTGGCG-	MA0373.1_RPN4

**M1***forward**reverse compliment*

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

06/21/15

MA0436.1_YPR022C 8.2308e-06

GGTGGG--
NGTGGGG



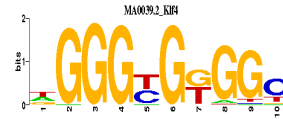
MA0373.1_RPN4 8.7818e-06

-CCCACC
CGCCACC



MA0039.2_Klf4 1.3844e-05

--CCCACC--
GCCMCRCCCN



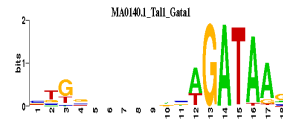
MA0268.1_ADR1 6.0807e-05

GGTGGG--
-KTGGGNN

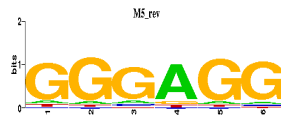
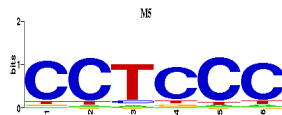


MA0140.1_Tal1_Gata1 1.1362e-04

-----CCCACC--
NTTATCTNNNNNNNNCNN



M5



forward

reverse compliment

Name

E value

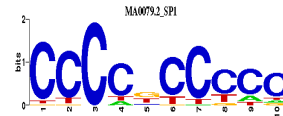
Alignment

Motif

MA0079.2_SP1

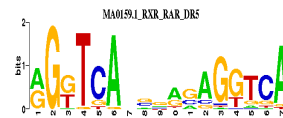
6.6034e-06

--CCTCCC--
CCCNCCCCC



MA0159.1_RXR_RAR_DR5 6.9379e-04

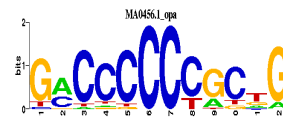
-----GGGAGG--
RGKTCANNNRNAGGTCA



MA0456.1_opa

9.4892e-04

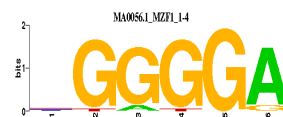
----GGGAGG--
CNGCGGGGGGKC



MA0056.1_MZF1_1-4

1.1891e-03

CCTCCC--
--TCCCCN

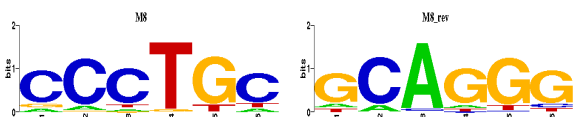


MA0443.1_btd

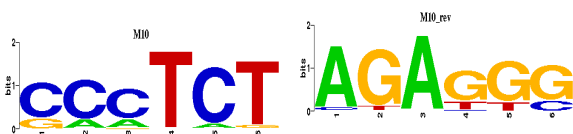
1.2196e-03

-CCTCCC--
YCCGCCCMCN



M8*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0364.1_REI1	7.1451e-06	GCAGGG- NCAGGGG	
MA0344.1_NHP10	1.8106e-04	--CCCTGC TCCCCGN	
MA0366.1_RGM1	3.8949e-04	-CCCTGC CCCCT--	
MA0342.1_MSN4	4.4537e-04	-CCCTGC CCCCT--	
MA0079.1_SPI	4.5882e-04	-CCCTGC--- ACCCNGCCNN	

M10*forward**reverse compliment*

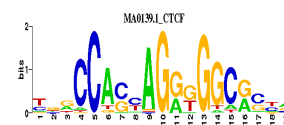
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	2.9851e-04	-CCCTCT TTCKST	

Stamp Results

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MA0139.1_CTCF 3.5785e-04

-----CCCTCT-----
 NNSYGCCMCCTRSTGGNNR



MA0366.1_RGM1 6.6655e-04

-CCCTCT
 CCCCT--



MA0342.1_MSN4 7.4637e-04

AGAGGG-
 --AGGGG

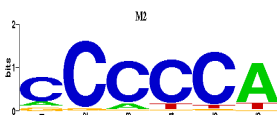
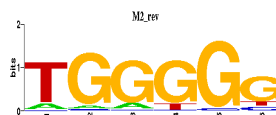


MA0057.1_MZF1_5-13 8.9694e-04

----CCCTCT
 NTNCCCCCTMN



M2

*forward**reverse compliment**Name**E value**Alignment**Motif*

MA0436.1_YPR022C 1.1657e-05

--TGGGGG
 NGTGGGG-



MA0268.1_ADR1 1.1834e-05

-TGGGGG
 KTGGGGN



MA0155.1_INSM1 2.8732e-05

--CCCCCA----
 YGCCCCCTGRCA



MA0341.1_MSN2 9.5632e-05

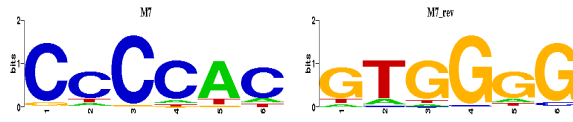
CCCCCA
 CCCCT-



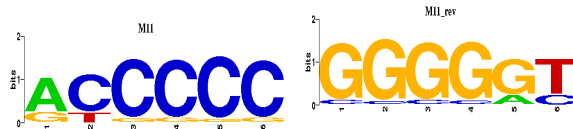
MA0362.1_RDS2 1.3318e-04

CCCCCA-
 CCCCCAN



M7*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0436.1_YPR022C	2.1694e-09	-GTGGGG NGTGGGG	
MA0268.1_ADR1	5.2022e-09	GTGGGG- KTGGGGN	
MA0339.1_MIG3	5.1127e-07	-GTGGGG NGYGGGG	
MA0337.1_MIG1	5.7298e-07	GTGGGG- SYGGGGN	
MA0338.1_MIG2	1.0295e-06	-GTGGGG NGYGGGG	

M11*forward**reverse compliment*

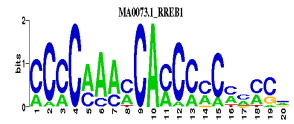
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0456.1_opa	2.0770e-06	-----GGGGGT- CNGCGGGGGGKC	
MA0105.1_NFKB1	3.0726e-05	-----ACCCCC GGGGAATCCCC	

Stamp Results

06/21/15

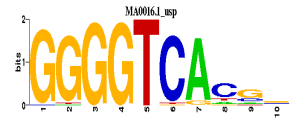
MA0073.1_RREB1 1.0377e-04

-----GGGGT-----
NGKKKGKGGGTGKTTTGGGG



MA0016.1_usp 1.2131e-04

-----ACCCCC
NNGTGACCCC-

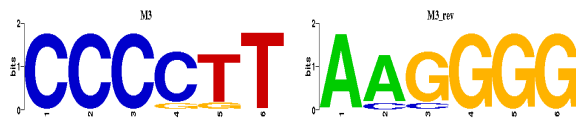


MA0155.1_INSM1 1.3509e-04

-ACCCCC-----
YGCCCCCTGRCA



M3



forward

reverse complement

Name

E value

Alignment

Motif

MA0366.1_RGM1 1.5783e-07

CCCCTT
CCCCT-



MA0342.1_MSN4 1.9002e-07

CCCCTT
CCCCT-



MA0341.1_MSN2 6.0237e-07

AAGGGG
-AGGGG



MA0163.1_PLAG1 9.9259e-07

-CCCCTT-----
CCCCCTTNGGCCCC

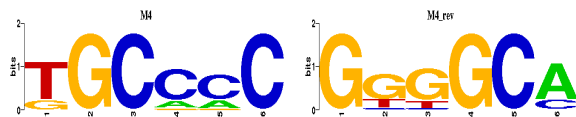


MA0364.1_REI1 7.2995e-06

-AAGGGG
NCAGGGG



M4



forward *reverse compliment*

Name *E value* *Alignment* *Motif*

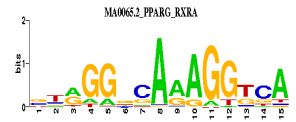
MA0123.1_abi4 2.3191e-05

---GGGGCA---
NGNNGCRSCG



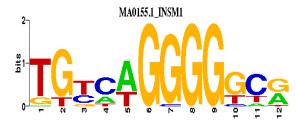
MA0065.2_PPARG_RXRA 3.8132e-05

---GGGGCA-----
NNRGGNCAAAGGKCA



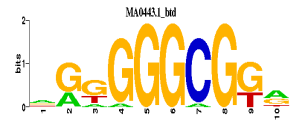
MA0155.1_INSM1 8.1233e-05

TGCCCC-----
YGCCCCCTGRCA



MA0443.1_btd 2.2091e-04

---TGCCCC--
YCCGCCCMCN

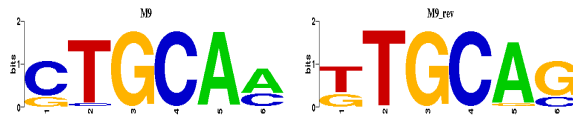


MA0039.2_Klf4 2.8748e-04

TGCCCC-----
-GCCMCRCCCN



M9

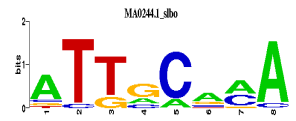


forward *reverse compliment*

Name *E value* *Alignment* *Motif*

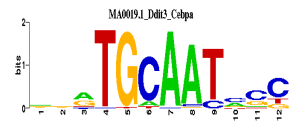
MA0244.1_slbo 9.0612e-05

---TTGCAG--
TKNGYAAT



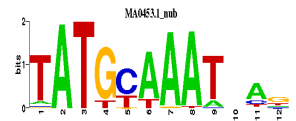
MA0019.1_Ddit3_Cebpa 3.6168e-04

----TTGCAG--
GSNATTGCAYNN



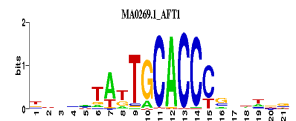
MA0453.1_nub 9.5218e-04

----TTGCAG--
NTNATTGCATA



MA0269.1_AFT1 1.0786e-03

-----CTGCAA-----
NNNNNNGGGTGCAMTANNNNN



Stamp Results

06/21/15

MA0385.1_SOK2

1.3670e-03

---CTGCAA--
NNNMTGCAKNN



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STAMP is written by Shaun Mahony