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Input file: 12 motifs loaded

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

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

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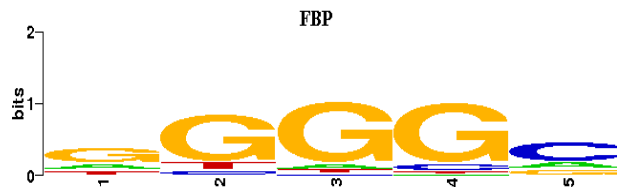
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## Multiple Alignment

(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--

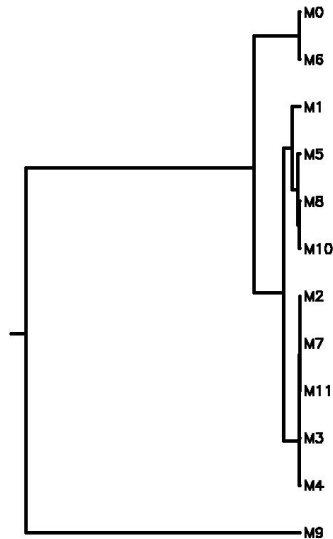
**Familial Profile:**  
([click for matrix](#))

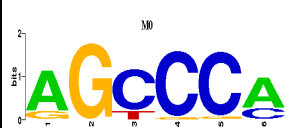

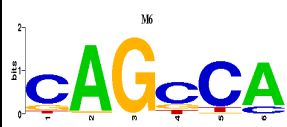

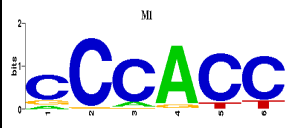

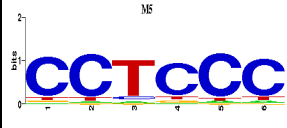

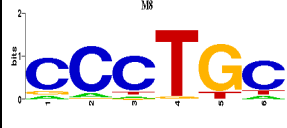

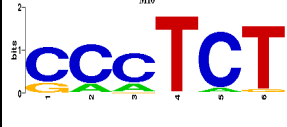

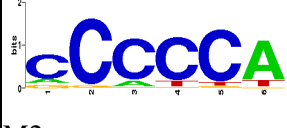

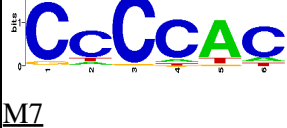
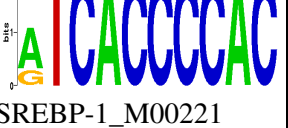


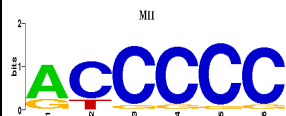



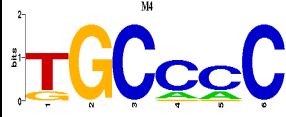
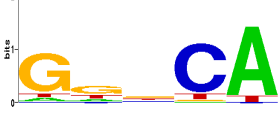


# Motif Tree

Tree (drawn by [Phylip](#))

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

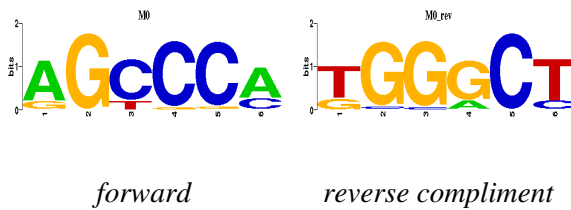





Input Motif	Best match in TRANSFAC
 <p><b>M0</b></p>	 <p>PCF2_M00948 (E val: 1.4933e-04)</p>
 <p><b>M6</b></p>	 <p>SMAD4_M00733 (E val: 1.4949e-05)</p>
 <p><b>M1</b></p>	 <p>CAC-binding_M00720 (E val: 3.4753e-07)</p>
 <p><b>M5</b></p>	 <p>MAZ_M00649 (E val: 1.5834e-09)</p>
 <p><b>M8</b></p>	 <p>Ttk_M00009 (E val: 1.6676e-05)</p>
 <p><b>M10</b></p>	 <p>MAZ_M00649 (E val: 2.4891e-05)</p>
 <p><b>M2</b></p>	 <p>GBF_M00633 (E val: 1.6031e-08)</p>
 <p><b>M7</b></p>	 <p>SREBP-1_M00221</p>

	(E val: 3.3071e-08)
 <p><b>M11</b></p>	 <p>GBF_M00633 (E val: 4.7679e-08)</p>
 <p><b>M3</b></p>	 <p>STRE_M00308 (E val: 1.0178e-06)</p>
 <p><b>M4</b></p>	 <p>HNF4_M01033 (E val: 2.1062e-05)</p>
 <p><b>M9</b></p>	 <p>Oct-1_M00342 (E val: 1.0466e-04)</p>

## Motif Similarity Matches

**M0**



Name	E value	Alignment	Motif
PCF2_M00948	1.4933e-04	-TGGGCT-- GTGGGNCCN	
Egr-1_M00243	3.2252e-04	-AGCCCA---- MCGCCCACGCA	
SREBP-1_M00749	3.7535e-04	TGGGCT TGGSGT	

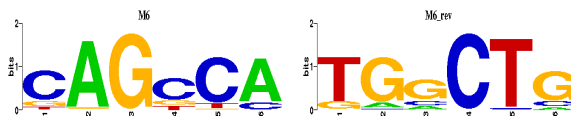
Egr-3\_M00245 4.3126e-04  
 -AGCCCA-----  
 ACGCCCACGCA



NGFI-C\_M00244 6.5282e-04  
 -AGCCCA-----  
 CCRCCCACGCA



## M6

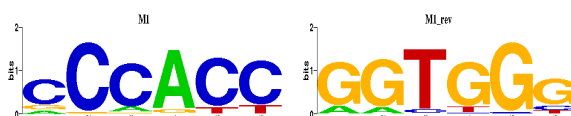


forward

reverse complement

Name	E value	Alignment	Motif
SMAD4_M00733	1.4949e-05	---TGGCTG----- RGNTGKCTGNMYSN	
Dde_M00304	5.1709e-05	---CAGCCA GCTCAGCC-	
YY1_M00069	5.2781e-05	--CAGCCA----- WNSANNCAAGATGGCNGNN	
alpha-CP1_M00687	1.1940e-04	-----TGGCTG CTCATTGGCT-	
E2F-1_M00430	4.7780e-04	CAGCCA- CCGCSAA	

## M1



forward

reverse complement

Name	E value	Alignment	Motif
------	---------	-----------	-------

CAC-binding\_M00720 3.4753e-07

CCCACC--  
CCCASCCY

Alfin1\_M00479 4.3048e-07

----GGTGGG----  
NRNRNGTGGGGNNK

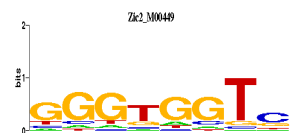
RBP-Jkappa\_M01111 1.0727e-05

GGTGGG--  
NGTGGGA

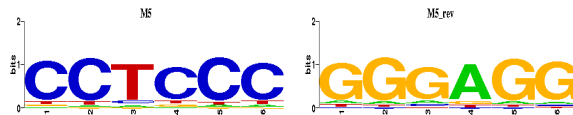
ACAAT\_M00309 2.2985e-05

CCCACC---  
-CCACCAAT

Zic2\_M00449 2.5232e-05

-GGTGGG-  
GGGTGGTN

M5

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

MAZ\_M00649

1.5834e-09

-CCTCCC  
CCCTCCC

Tra-1\_M01048

2.8458e-08

-CCTCCC  
ACCWCCC

TFII-I\_M00706

1.3663e-07

CCTCCC--  
CCTMCNTC

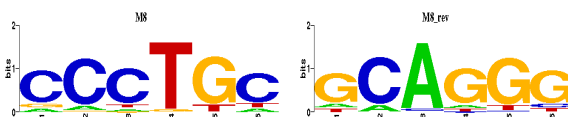
UF1H3BETA\_M01068 4.1335e-07

---CCTCCC---  
GCCCCTCCCCRC

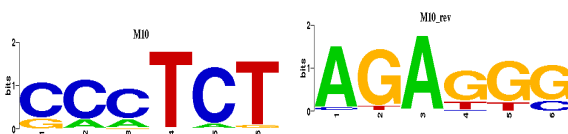
Lyf-1\_M00141

8.3465e-07

CCTCCC--  
YCTCCCAA

**M8***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Ttk_M00009	1.6676e-05	GCAGGG- GCAGGAC	
KAISO_M01119	4.7024e-05	---GCAGGG NTNGCAGGA	
Sp1_M00008	9.7647e-05	--GCAGGG- RGGCRGGW	
MAZ_M00649	9.9768e-05	CCCTGC- CCCTCCC	
Eve_M00629	1.1430e-04	GCAGGG--- GCNGNSSWN	

**M10***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAZ_M00649	2.4891e-05	CCCTCT- CCCTCCC	

## Stamp Results

06/21/15

NF-muE1\_M00651 6.3756e-05

AGAGGG--  
AGATGGCC

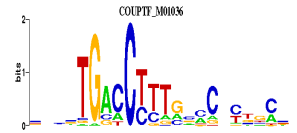
Elf-1\_M00746 2.6840e-04

---CCCTCT--  
AYTTCCTCTTN

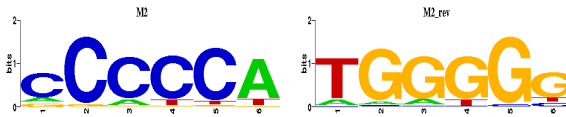
TFII-I\_M00706 2.9362e-04

---CCCTCT  
CCTMCNTC-

COUPTF\_M01036 3.1052e-04

-----CCCTCT--  
NNNNTGACCTTTNNMCNYYNMN

## M2

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

GBF\_M00633

1.6031e-08

TGGGGG--  
TNGGGGTN

Egr\_M00807

2.6177e-07

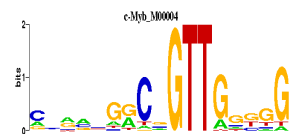
TGGGGG----  
TGGGSGCRRN

UF1H3BETA\_M01068 2.6446e-06

-----CCCCCA-  
GCCCCCTCCCCRC

c-Myb\_M00004

3.5234e-06

CCCCCA-----  
CNNNCAACNGYCNNNNN

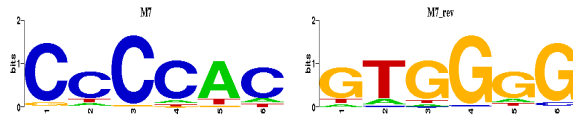
MOVO-B\_M01104






6.5170e-06

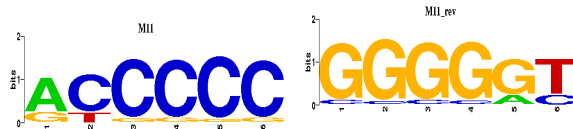
CCCCCA  
CCCCCN



## Stamp Results

06/21/15

**M7***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
SREBP-1_M00221	3.3071e-08	GTGGGG---- GTGGGGTIGAT	
Alfin1_M00479	3.5290e-07	---CCCCAC----- MNNCCCCACNYYN	
UF1H3BETA_M01068	2.2738e-06	GTGGGG----- GYGGGGGAGGGGC	
SREBP-1_M00749	1.2793e-05	GTGGGG- -TGGSGT	
RBP-Jkappa_M01111	1.3636e-05	-GTGGGG NGTGGGA	

**M11***forward**reverse compliment*

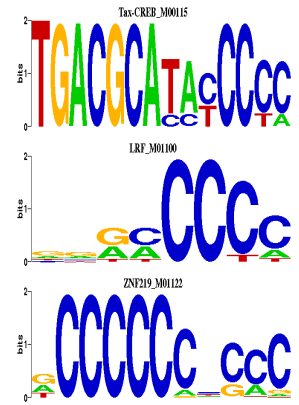
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GBF_M00633	4.7679e-08	-ACCCCC- NACCCNA	
AtMYB-84_M00970	3.5790e-07	GGGGGT----- GGNGGTAGGTGS	



## Stamp Results

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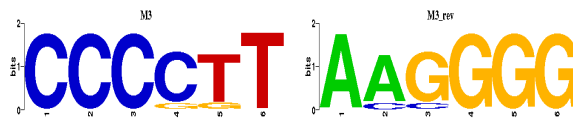
Tax-CREB\_M00115 1.6241e-06

GGGGGT-----  
GGGGRTATGCGTCA

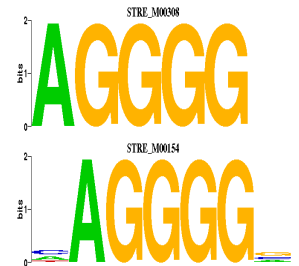
LRF\_M01100 3.2454e-06

GGGGGT--  
GGGGKYNN

ZNF219\_M01122 3.6511e-06

ACCCCC-----  
NCCCCCNCCC**M3***forward**reverse compliment**Name**E value**Alignment**Motif*

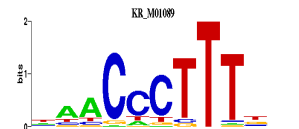
STRE\_M00308 1.0178e-06

-CCCCTT  
NCCCCT-

STRE\_M00154 7.1605e-06

-CCCCTT  
NCCCCTN

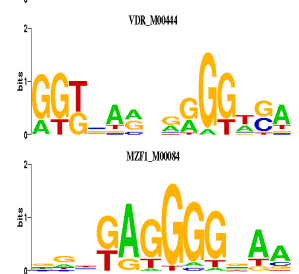
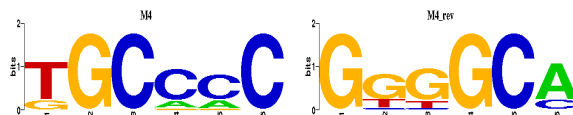
KR\_M01089 1.3368e-04

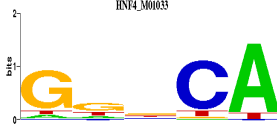




---AAGGGG--  
NNAAAGGGTNN

VDR\_M00444 2.3427e-04

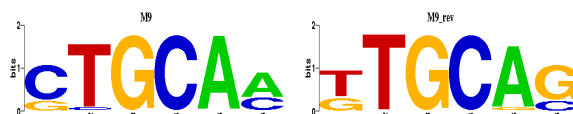
----CCCCTT----  
TSWCCYNYTNMCC



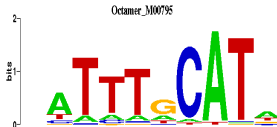

MZF1\_M00084 3.3814e-04

---CCCCTT---  
TTNCCCCTCNNN**M4**

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HNF4_M01033	2.1062e-05	TGCCCC TGNNC-	
Sp1_M00933	1.5394e-04	-GGGGCA-- NGGGGMGGG	
bZIP910_M00356	3.3397e-04	TGCCCC----- KGCCACGTCAT	
CG1_M00440	3.3579e-04	TGCCCC----- TGNCACGTGN	
CF1_M00111	3.4516e-04	--TGCCCC NNTGACCC	

M9



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Oct-1_M00342	1.0466e-04	---TTGCAG NATTTGCAT	
Oct-1_M00930	2.6005e-04	---TTGCAG- NATTNCATN	
Octamer_M00795	3.3577e-04	-CTGCAA--- NATGCAAATN	
CHOP-C-EBPalpha_M00249	3.6168e-04	-----TTGCAG- GGSNATTGCAYN	

## Stamp Results

06/21/15

OCT-x\_M00210

4.7247e-04

--CTGCAA----  
RTATGCAAATNA



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