

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

Input file: 16 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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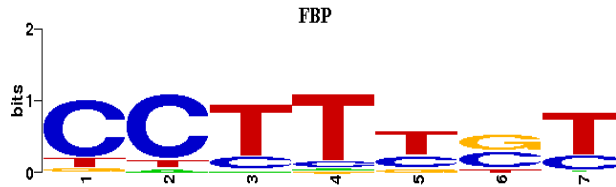
Multiple Alignment

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

```

0:      -----TTTTTTTT
1:      ----CCCCWCCC---
2:      -----CATTGTCATA
3:      -CTGACCTTG-----
4:      -----YCCTGCTGK-
5:      -----YYTTTKTT--
6:      -----CYTTTGTT--
7:      -----CCWTTGTT--
8:      ----GGCTTCCTG--
9:      ---TTCCTTCCTS--
10:     -----YCTTTGTTY-
11:     -----CCCNCCCC--
12:     ---TGCCTTTGTY--
13:     CATTCCTTT-----
14:     -----CCYCYCMS--
15:     -----CCTTCCCC--
  
```

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



Motif Tree

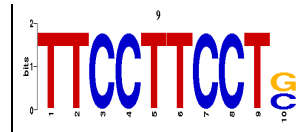
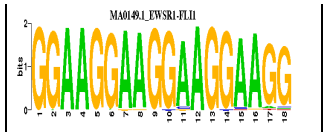
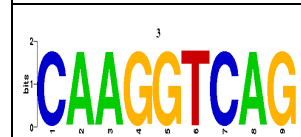
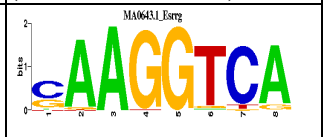
Tree (drawn by [Phylip](#))

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



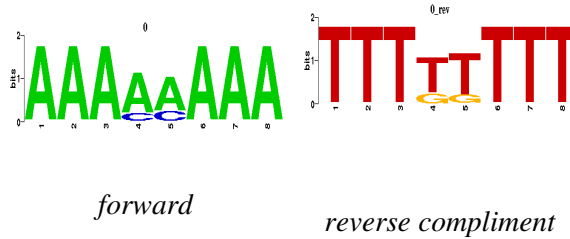
Input Motif	Best match in user-defined
<p>0</p>	<p>MA0514.1_Sox3 (E val: 2.6060e-06)</p>
<p>5</p>	<p>MA0514.1_Sox3 (E val: 7.2584e-07)</p>
<p>6</p>	<p>MA0514.1_Sox3 (E val: 5.9109e-11)</p>
<p>7</p>	<p>MA0143.3_Sox2 (E val: 5.3735e-14)</p>
<p>10</p>	<p>MA0514.1_Sox3 (E val: 1.2187e-12)</p>
<p>12</p>	<p>MA0143.3_Sox2 (E val: 1.0033e-10)</p>

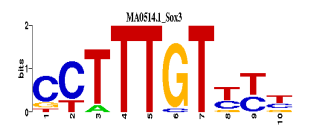

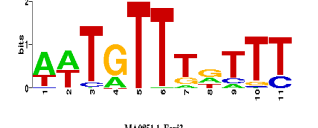
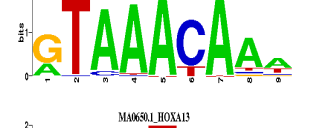
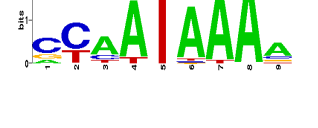
<p>2</p> <p>MA0627.1_Pou2f3 (E val: 1.8874e-15)</p>	<p>MA0627.1_Pou2f3</p> <p>MA0627.1_Pou2f3 (E val: 1.8874e-15)</p>
<p>13</p> <p>MA0762.1_ETV2 (E val: 1.3478e-05)</p>	<p>MA0762.1_ETV2</p> <p>MA0762.1_ETV2 (E val: 1.3478e-05)</p>
<p>1</p> <p>MA0599.1_KLF5 (E val: 8.8374e-11)</p>	<p>MA0599.1_KLF5</p> <p>MA0599.1_KLF5 (E val: 8.8374e-11)</p>
<p>11</p> <p>MA0753.1_ZNF740 (E val: 5.1526e-07)</p>	<p>MA0753.1_ZNF740</p> <p>MA0753.1_ZNF740 (E val: 5.1526e-07)</p>
<p>14</p> <p>MA0753.1_ZNF740 (E val: 8.2798e-07)</p>	<p>MA0753.1_ZNF740</p> <p>MA0753.1_ZNF740 (E val: 8.2798e-07)</p>
<p>15</p> <p>MA0528.1_ZNF263 (E val: 4.0959e-08)</p>	<p>MA0528.1_ZNF263</p> <p>MA0528.1_ZNF263 (E val: 4.0959e-08)</p>
<p>4</p> <p>MA0696.1_ZIC1 (E val: 7.6040e-06)</p>	<p>MA0696.1_ZIC1</p> <p>MA0696.1_ZIC1 (E val: 7.6040e-06)</p>
<p>8</p> <p>MA0076.2_ELK4 (E val: 8.1420e-06)</p>	<p>MA0076.2_ELK4</p> <p>MA0076.2_ELK4 (E val: 8.1420e-06)</p>

 <p>9</p>	 <p>MA0149.1_EWSR1-FLI1</p>
9	MA0149.1_EWSR1-FLI1 (E val: 6.5289e-11)
 <p>3</p>	 <p>MA0643.1_Esrrg</p>
3	MA0643.1_Esrrg (E val: 3.8858e-13)

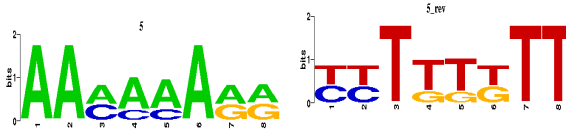
Motif Similarity Matches

0



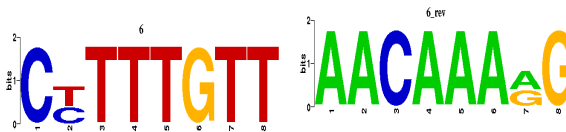
Name	E value	Alignment	Motif
MA0514.1_Sox3	2.6060e-06	--TTTTTTTT CCTTTGTYYN	
MA0481.1_FOXP1	1.1594e-05	TTTTTTTT-- TKTGTTTAC	
MA0041.1_Foxd3	1.5253e-05	AAAAAAAA-- AAANAAACAWT	
MA0851.1_Foxj3	2.4429e-05	TTTTTTTT-- WTTGTTTAC	
MA0650.1_HOXA13	8.5079e-05	--AAAAAAAA CCAATAAAA-	

5

*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0514.1_Sox3	7.2584e-07	YYTTTKIT-- CCTTTGTYYN	
MA0143.3_Sox2	3.2626e-06	AAMAAARR NACAAWGG	
MA0077.1_SOX9	4.6216e-05	AAMAAARR AACAAATRG	
MA0515.1_Sox6	1.2639e-04	-AAMAAARR RRACAATGN	
MA0442.1_SOX10	1.6615e-04	AAMAAARR -ACAAGW-	

6

*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0514.1_Sox3	5.9109e-11	--AACAAARG NRRACAAAGG	
MA0143.3_Sox2	2.0604e-10	CYTTTGTT CCWTTGTN	

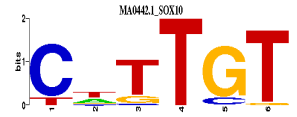
MA0077.1_SOX9 1.2387e-08

CYTTTGTT
CYATTGTT

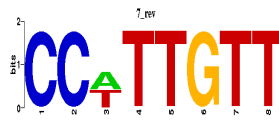
MA0515.1_Sox6 2.9657e-07

-AACAAARG
RRACAATGN

MA0442.1_SOX10 1.3950e-06

AACAAARG
-ACAAGW-

7

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

MA0143.3_Sox2 5.3735e-14

AACAAWGG
NACAAWGG

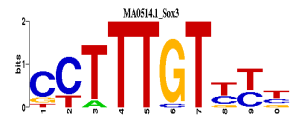
MA0077.1_SOX9 2.9537e-12

AACAAWGG
AACAAATRG

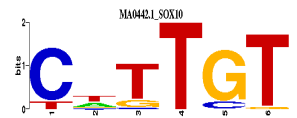
MA0515.1_Sox6 2.3647e-11

-AACAAWGG
RRACAATGN

MA0514.1_Sox3 2.3889e-10

--AACAAWGG
NRRACAAAGG

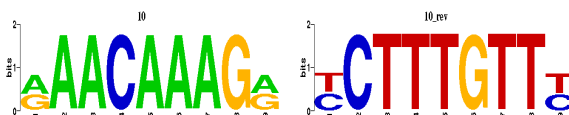
MA0442.1_SOX10 7.5243e-09

AACAAWGG
-ACAAGW-

10

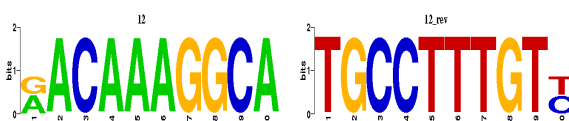
Stamp Results

02/05/16

*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0514.1_Sox3	1.2187e-12	-RAACAAAGR NRRACAAAGG	
MA0515.1_Sox6	2.1626e-10	RAACAAAGR RRACAATGN	
MA0143.3_Sox2	1.4285e-09	RAACAAAGR -NACAAWGG	
MA0442.1_SOX10	2.1068e-07	RAACAAAGR --ACAAWG-	
MA0481.1_FOXP1	6.2124e-07	--RAACAAAGR GTAAACAMA--	

12

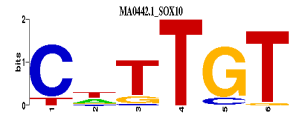
*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0143.3_Sox2	1.0033e-10	TGCCTTTGT --CCWTTGTN	
MA0514.1_Sox3	1.0675e-09	--RACAAAGGCA NRRACAAAGG--	

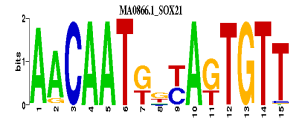
MA0515.1_Sox6 3.9935e-08

-RACAAAGGCA
RRACAATGN--

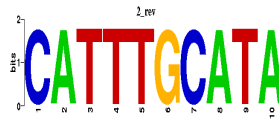
MA0442.1_SOX10 4.2013e-07

RACAAAGGCA
-ACAAWG---

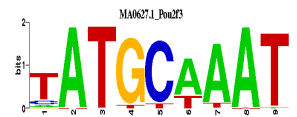
MA0866.1_SOX21 2.2542e-06

-----TGCCTTTGT
AACACTRNCAATTGTT

2

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

MA0627.1_Pou2f3 1.8874e-15

CATTTGCATA
-ATTTGCATA

MA0507.1_POU2F2 5.2180e-15

TATGCAAATG
NATGCAAAT-

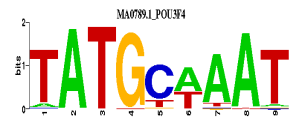
MA0785.1_POU2F1 6.9944e-15

TATGCAAATG
TATGCAAAT-

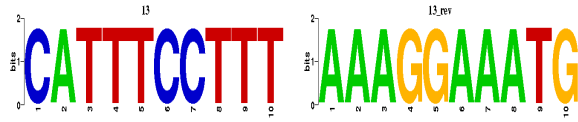
MA0792.1_POU5F1B 9.5479e-15

CATTTGCATA
-ATTTGCATA

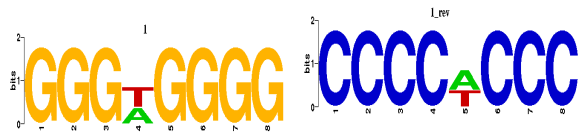
MA0789.1_POU3F4 1.7431e-14

CATTTGCATA
-ATTWGCATA

13

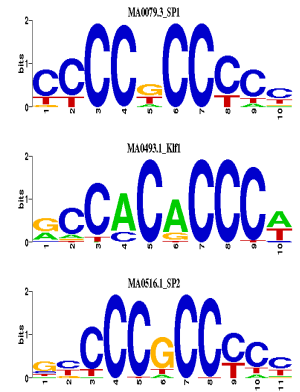
*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0762.1_ETV2	1.3478e-05	CATTTCCTTT -ATTTC CGGT	MA0762.1_ETV2
MA0625.1_NFATC3	6.9524e-05	AAAGGAAATG --YGGAAA--	MA0625.1_NFATC3
MA0624.1_NFATC1	7.2475e-05	CATTTCCTTT --TTTCCR--	MA0624.1_NFATC1
MA0474.2_ERG	1.3741e-04	CATTTCCTTT -AYTTC CGGT	MA0474.2_ERG
MA0606.1_NFAT5	1.4277e-04	AAAGGAAATG -RTGGAAAA-	MA0606.1_NFAT5

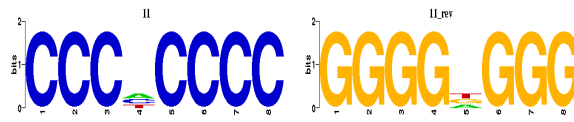
**1***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0599.1_KLF5	8.8374e-11	-GGGWGGGG NGGGNGGGG	MA0599.1_KLF5
MA0039.2_Klf4	8.4393e-09	-CCCCWCCC GCCMC RCCC	MA0039.2_Klf4

MA0079.3_SP1	5.6008e-08	--GGGWGGGG RGGGGMGGGG
MA0493.1_Klf1	2.2726e-07	-GGGWGGGG- WGGGTGTGGY
MA0516.1_SP2	8.6293e-06	--GGGWGGGG- RGGGCGGGRC



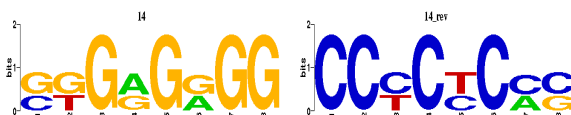
11

*forward**reverse compliment*

Name	E value	Alignment	Motif
MA0753.1_ZNF740	5.1526e-07	CCCNCCCC-- -CCCCCCCAC	
MA0599.1_KLF5	2.1701e-06	GGGGNNGG- NGGGNNGGG	
MA0079.3_SP1	9.7882e-06	-GGGGNNGG- RGGGGMGGGG	
MA0073.1_RREB1	2.2088e-05	-GGGGNNGG----- GKKKGKGGGTGKTTTGGGG	
MA0516.1_SP2	6.3745e-05	--CCCNCCCC- GYCCCGCCCCY	

14

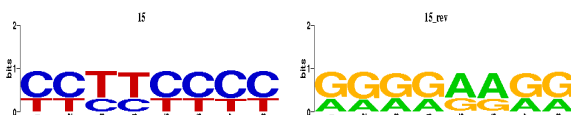
02/05/16



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0753.1_ZNF740	8.2798e-07	-CCYCYCMS CCCCCCCAC	
MA0737.1_G LIS3	2.6200e-05	----SKGRGRGG-- CTTCGTGGGGGGTC	
MA0735.1_G LIS1	3.2735e-05	----SKGRGRGG-- CWTCGTGGGGGGTCK	
MA0528.1_ZNF263	4.9629e-05	-----CCYCYCMS----- YCYCCYYYYCNYCCTCCTCC	
MA0079.3_SP1	8.6215e-05	--SKGRGRGG RGGGGMGGGG	

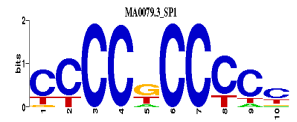
15



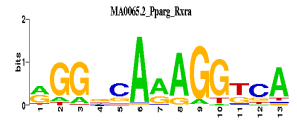
reverse compliment

Name	E value	Alignment	Motif
MA0528.1_ZNF263	4.0959e-08	<div> <div>-----CCTTCCCC-----</div> <div>YCY YCCY YYYCNY CCTCTCTCC</div> </div>	<p>MA0528.1_ZNF263</p>
MA0056.1_MZF1	1.6670e-04	<div>CCTTCCCC</div> <div>---TCCCC</div>	<p>MA0056.1_MZF1</p>

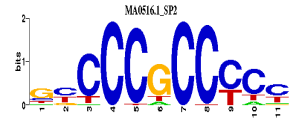
MA0079.3_SP1 2.2918e-04

GGGGAAGG--
RGGGGMGGGG

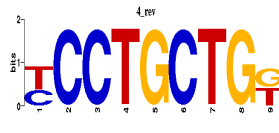
MA0065.2_Pparg_Rxra 1.1256e-03

----CCTTCCCC-
TGMCTTTGNCCY

MA0516.1_SP2 1.2910e-03

GGGGAAGG---
RGGGCGGGRC

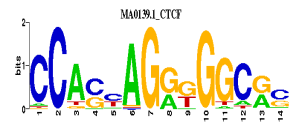
4

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

MA0696.1_ZIC1 7.6040e-06

-MCAGCAGGR----
CRCAGCGGGGGGTC

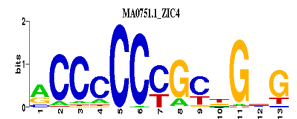
MA0139.1_CTCF 3.0776e-05

-----YCCTGCTGK
SYGCCMCCTRSTGG

MA0697.1_ZIC3 3.6727e-05

-MCAGCAGGR---
CRCAGCGGGGGGT

MA0751.1_ZIC4 3.9309e-05

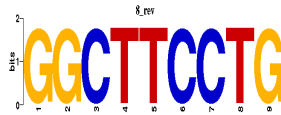
-MCAGCAGGR---
CNCNGCGGGGGGY

MA0744.1_SCRT2 4.0245e-04

-YCCTGCTGK
CACCTGTTGC

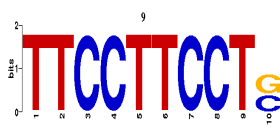
8



forward*reverse compliment*

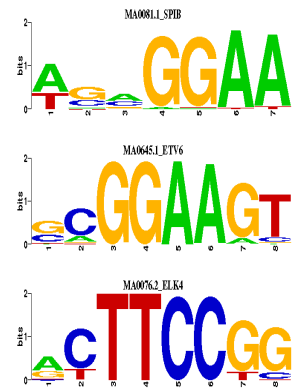
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0076.2_ELK4	8.1420e-06	CAGGAAGCC CCGGAAGY-	MA0076.2_ELK4
MA0136.2_ELF5	5.6102e-05	GGCTTCCTG-- -ACTTCCKNNT	MA0136.2_ELF5
MA0764.1_ETV4	7.4856e-05	GGCTTCCTG -ACTTCCGG	MA0764.1_ETV4
MA0062.2_Gabpa	1.1051e-04	GGCTTCCTG CACTTCCGG	MA0062.2_Gabpa
MA0759.1_ELK3	1.4960e-04	GGCTTCCTG- -ACTTCCGGT	MA0759.1_ELK3

9

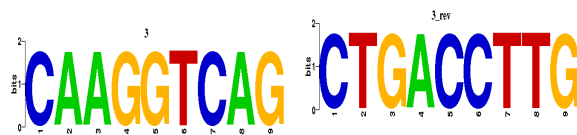
*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	6.5289e-11	--SAGGAAGGAA----- GGAAGGAAGGAAGGAAGG	MA0149.1_EWSR1-FLI1
MA0687.1_SPIC	5.2705e-06	TTCCTTCCTS--- -TACTTCNCTTT	MA0687.1_SPIC

MA0081.1_SPIB	1.9158e-05	-SAGGAAGGAA ASMGGAA----
MA0645.1_ETV6	8.0266e-05	TTCCTTCCTS --ACTTCCGS
MA0076.2_ELK4	1.5046e-04	SAGGAAGGAA CCGGAAGY--



3

*forward**reverse complement*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0643.1_Esrrg	3.8858e-13	CTGACCTTG -TGACCTTG	
MA0505.1_Nr5a2	2.0524e-11	-CAAGGTCAG TCAAGGYCA-	
MA0141.3_ESRRB	2.4999e-11	CTGACCTTG- WTGACCTTGA	
MA0592.2_Esrra	1.1430e-10	CTGACCTTG-- ATGACCTTGAA	
MA0071.1_RORA	1.8098e-10	CTGACCTTG-- -TGACCTNNWW	