

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

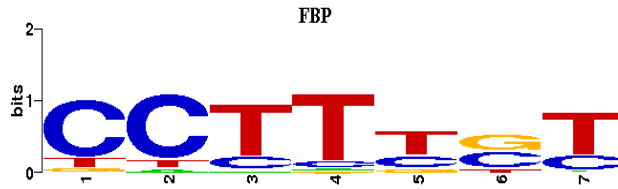
(Consensus sequence representations shown, but multiple alignment was carried out on the matrices)

```

0:          -----TTTTTTTT
1:          ----CCCCWCCC---
2:          -----CATTTCATA
3:          -CTGACCTTG-----
4:          -----YCCTGCTGK-
5:          -----YTTTTKTT--
6:          -----CYTTTGTT--
7:          -----CCWTTGTT--
8:          ----GGCTTCCTG--
9:          ---TTCCTTCCTS--
10:         -----YCTTTGTTY-
11:         -----CCCNCCCC--
12:         ---TGCCITTTGTY--
13:         CATTTCCTTT-----
14:         -----CCYCYCMS--
15:         -----CCTTCCCC--

```

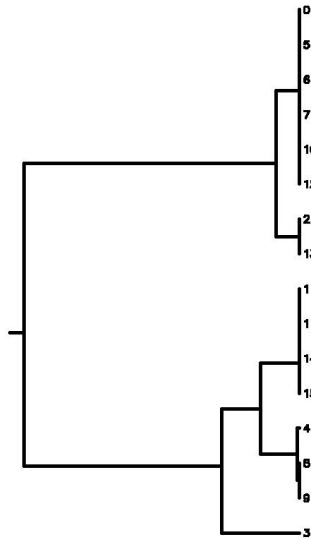
**Familial Profile:**  
[\(click for matrix\)](#)





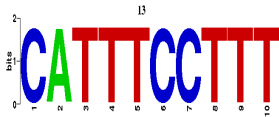



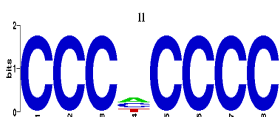
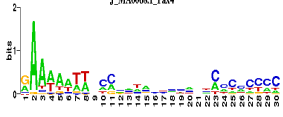
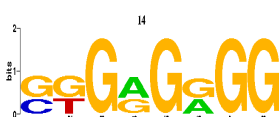
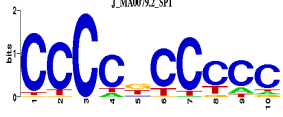

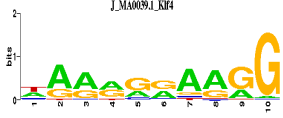




## Motif Tree

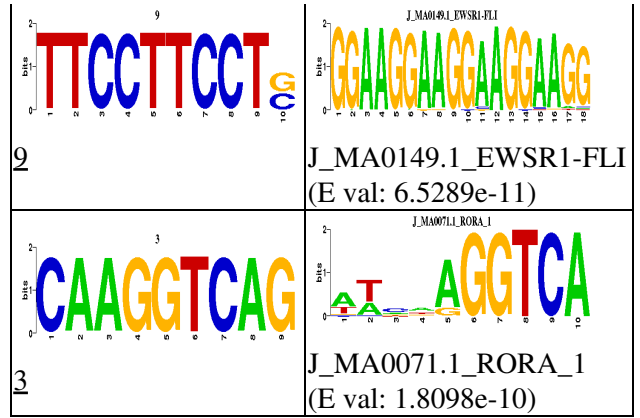
Tree (drawn by **Phylip**)

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

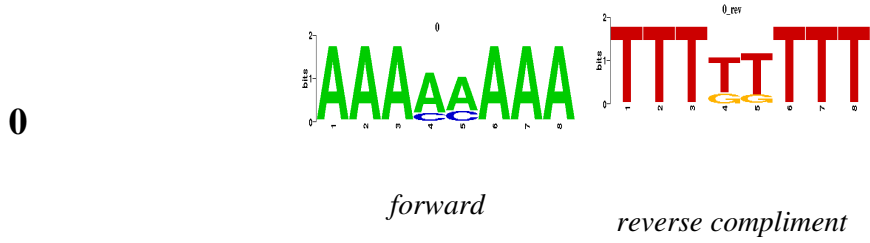


	Input Motif	Best match in user-defined
<u>0</u>		J_MA0277.1_AZF1 (E val: 1.3021e-07)
<u>5</u>		J_MA00445.1_D (E val: 1.8871e-05)
<u>6</u>		J_MA00445.1_D (E val: 1.4161e-08)
<u>7</u>		J_MA0077.1_SOX9 (E val: 3.2240e-11)
<u>10</u>		J_MA00445.1_D (E val: 1.1605e-08)
<u>12</u>		J_MA0442.1_SOX10 (E val: 4.2013e-07)

 <p><b>2</b></p>	 <p>J_MA0453.1_nub (E val: 5.4090e-13)</p>
 <p><b>13</b></p>	 <p>J_MA0277.1_AZF1 (E val: 1.1895e-07)</p>
 <p><b>1</b></p>	 <p>J_MA0039.2_Klf4 (E val: 2.9818e-08)</p>
 <p><b>11</b></p>	 <p>J_MA0068.1_Pax4 (E val: 1.2113e-06)</p>
 <p><b>14</b></p>	 <p>J_MA0079.2_SP1 (E val: 1.9841e-06)</p>
 <p><b>15</b></p>	 <p>J_MA0039.1_Klf4 (E val: 6.3451e-09)</p>
 <p><b>4</b></p>	 <p>J_MA0402.1_SWI5 (E val: 6.8916e-05)</p>
 <p><b>8</b></p>	 <p>J_MA0304.1_GCR1 (E val: 3.7576e-09)</p>

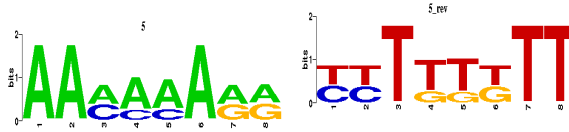


### Motif Similarity Matches



Name	E value	Alignment	Motif
J_MA0277.1_AZF1	1.3021e-07	-TTTTTTTT TTTCTTTT	
J_MA0049.1_hb	4.1693e-06	-TTTTTTTT- NTTTTTNYKS	
J_MA0041.1_Foxd3	2.7685e-05	AAAAAAAA---- AAANAAACAWTN	
J_MA0010.1_br_Z1	6.4981e-04	-TTTTTTTT----- NWYTTGTYTATNAN	
J_MA0013.1_br_Z4	6.5338e-04	TTTTTTTT--- WTWNTTTACTA	

5

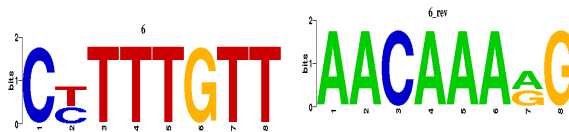


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
J_MA00445.1_D	1.8871e-05	-YYTTTKTT-- NCYATTGTTNT	
J_MA0143.1_Sox2	7.2312e-05	YYTTTKTT----- CCWTTGTNATGCANA	
J_MA0277.1_AZF1	8.3811e-05	AAMAAARR-- -AAAAAGAAA	
J_MA0077.1_SOX9	1.4270e-04	YYTTTKTT- CYATTGTTN	
J_MA0442.1_SOX10	1.6615e-04	AAMAAARR -ACAAGW-	

6



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
J_MA00445.1_D	1.4161e-08	--AACAAARG- ANAACAATRGN	
J_MA0143.1_Sox2	3.4455e-08	-----AACAAARG TNTGCATNACAAWGG	

Stamp Results

11/21/15

J\_MA0077.1\_SOX9 7.3762e-08

CYTTTGTT-  
CYATTGTTN



J\_MA0442.1\_SOX10 1.3950e-06

AACAAARG  
-ACAAWG-



J\_MA0371.1\_ROX1 1.2830e-05

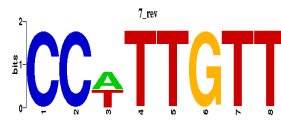
---AACAAARG-  
GAGAACAATNGR



7



*forward*



*reverse compliment*

*Name*

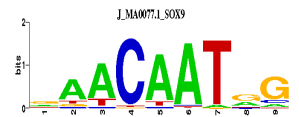
*E value*

*Alignment*

*Motif*

J\_MA0077.1\_SOX9 3.2240e-11

CCWTTGTT-  
CYATTGTTN



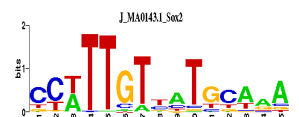
J\_MA00445.1\_D 9.1765e-11

--AACAAWGG-  
ANAACAATRGN



J\_MA0143.1\_Sox2 2.7857e-10

-----AACAAWGG  
TNTGCATNACAAWGG



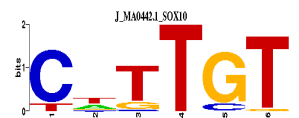
J\_MA0371.1\_ROX1 4.4156e-09

---AACAAWGG-  
GAGAACAATNGR



J\_MA0442.1\_SOX10 7.5243e-09

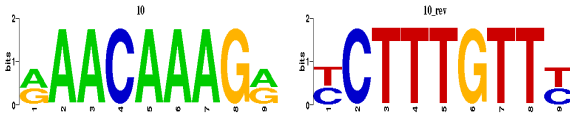
AACAAWGG  
-ACAAWG-



10

Stamp Results

11/21/15

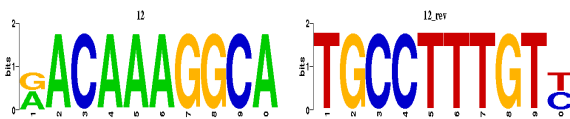


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA00445.1_D	1.1605e-08	-RAACAAAGR- ANAACAATRGN	
J_MA0442.1_SOX10	2.1068e-07	RAACAAAGR --ACAAGW-	
J_MA0371.1_ROX1	1.1329e-06	--RAACAAAGR- GAGAACAATNGR	
J_MA0143.1_Sox2	3.3161e-06	-----RAACAAAGR TNTGCATNACAAGG	
J_MA0041.1_Foxd3	4.9859e-06	---YCTTTGTTY NAWTGTTTNTTT	

12



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0442.1_SOX10	4.2013e-07	RACAAAGGCA -ACAAGW----	
J_MA0143.1_Sox2	2.8640e-06	-----RACAAAGGCA TNTGCATNACAAGG--	

Stamp Results

11/21/15

J\_MA0370.1\_RME1 6.8437e-06

TGCCTTTGTY  
TNCCTTTNNA



J\_MA0077.1\_SOX9 3.9685e-05

TGCCTTTGTY-  
--CYATTGTTN



J\_MA00445.1\_D 6.2511e-05

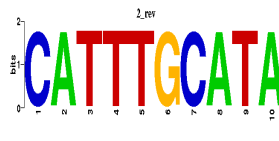
--RACAAAGGCA  
ANAACAATRGN-



2



*forward*



*reverse compliment*

*Name*

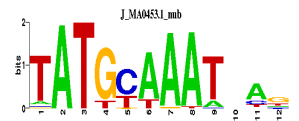
*E value*

*Alignment*

*Motif*

J\_MA0453.1\_nub 5.4090e-13

TATGCAAATG--  
TATGCAAATNAN



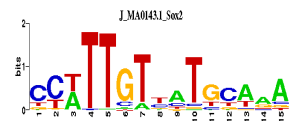
J\_MA0142.1\_Pou5f1 8.0394e-11

-----TATGCAAATG  
CWTGTNATGCAAAT-



J\_MA0143.1\_Sox2 3.1909e-07

CATTTCGATA-----  
--TNTGCATNACAAWGG



J\_MA0254.1\_vv1 1.4338e-06

CATTTCGATA  
----TGMATA



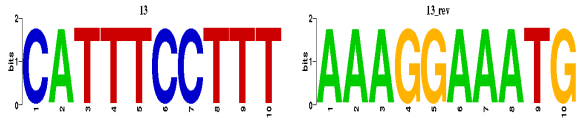
J\_MA0274.1\_ARR1 9.4791e-06

TATGCAAATG  
-ATTCARNT-



13



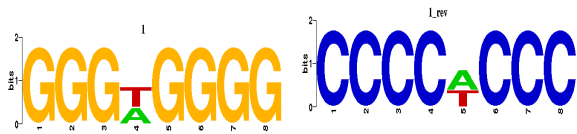


*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0277.1_AZF1	1.1895e-07	CATTTCCTTT- --TTTCCTTTT	
J_MA0156.1_FEV	1.7448e-07	CATTTCCTTT -AYTTCCTG-	
J_MA0370.1_RME1	1.0574e-06	CATTTCCTTT--- ---TNCCTTTNNA	
J_MA0080.2_SPI1	8.0463e-06	CATTTCCTTT -ACTTCCT--	
J_MA0438.1_YRM1	1.3116e-05	CATTTCCTTT -ATNTCCGN-	

1



*forward*

*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0039.2_Klf4	2.9818e-08	-CCCCWCCC- GCCMCRCN	
J_MA0079.2_SP1	2.2362e-07	--GGGWGGGG GGGGNGGGG	

Stamp Results

11/21/15

J\_MA0436.1\_YPR022C 2.3767e-06

GGGWGGGG  
-NGTGGGG



J\_MA0268.1\_ADR1 1.0993e-05

GGGWGGGG-  
--KTGGGGN

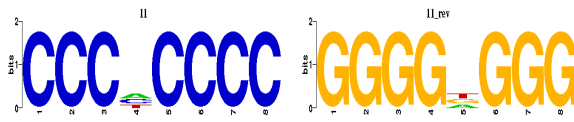


J\_MA0373.1\_RPN4 3.8932e-05

CCCCWCCC  
CGCCACC-



11



*forward*

*reverse compliment*

*Name*

*E value*

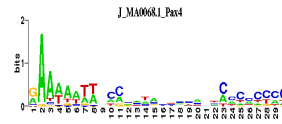
*Alignment*

*Motif*

J\_MA0068.1\_Pax4

1.2113e-06

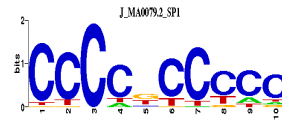
GGGGNGGG-----  
GKRNNNNKNNNNNNNNNNKNNWWWTTTYY



J\_MA0079.2\_SP1

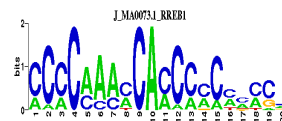
6.3744e-06

-GGGGNGGG-  
GGGGNGGGG



J\_MA0073.1\_RREB1 3.2902e-05

--GGGGNGGG-----  
NGKKKGKGGGTGKTTTGGGG



J\_MA0079.1\_SP1

1.0323e-04

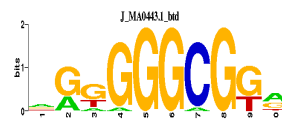
-CCCNCCCC-  
ACCCNGCCNN



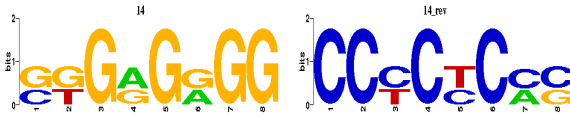
J\_MA0443.1\_btd

1.4051e-04

-CCCNCCCC-  
YCCGCCMCN



14

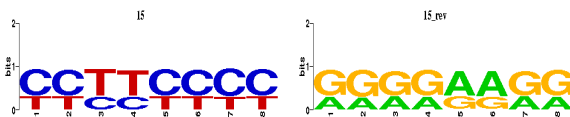


*forward*

*reverse compliment*

Name	E value	Alignment	Motif
J_MA0079.2_SP1	1.9841e-06	--SKGRGRGG GGGGGNGGGG	
J_MA0341.1_MSN2	1.5706e-05	SKGRGRGG ---AGGGG	
J_MA0342.1_MSN4	3.6790e-05	CCYCYCMS CCCCT---	
J_MA0366.1_RGM1	8.9879e-05	CCYCYCMS CCCCT---	
J_MA0073.1_RREB1	2.1570e-04	-SKGRGRGG----- NGKKKGKGGGTGKTTTGGGG	

15



*forward*

*reverse compliment*

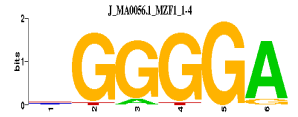
Name	E value	Alignment	Motif
J_MA0039.1_Klf4	6.3451e-09	CCTTCCCC-- CCTTYYYTTN	
J_MA0079.2_SP1	1.0479e-05	GGGGAAGG-- GGGGGNGGGG	

Stamp Results

11/21/15

J\_MA0056.1\_MZF1\_1-4 8.8080e-04

CCTTCCCC-  
---TCCCCN



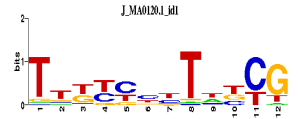
J\_MA0080.2\_SPI1 1.0098e-03

CCTTCCCC  
ACTTCCT-

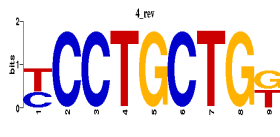


J\_MA0120.1\_id1 1.3218e-03

GGGGAAGG----  
CGNNANNRRMNA



4



*forward*

*reverse compliment*

*Name*

*E value*

*Alignment*

*Motif*

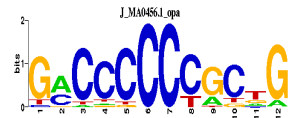
J\_MA0402.1\_SWI5 6.8916e-05

--MCAGCAGGR  
NACCAGCA---



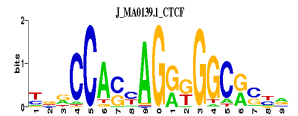
J\_MA0456.1\_opa 8.1414e-05

MCAGCAGGR----  
-CNGCGGGGGK



J\_MA0139.1\_CTCF 1.2255e-04

-----YCCTGCTGK---  
NNSYGCCMCTRSTGGNNR



J\_MA0454.1\_odd 2.7238e-04

-YCCTGCTGK-  
NTGCTACTGTN



J\_MA0287.1\_CUP2 4.6111e-04

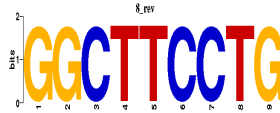
---YCCTGCTGK  
CWTTTYTGCTG-



8



*forward*



*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0304.1_GCR1	3.7576e-09	GGCTTCCTG GGCTTCCA-	
J_MA0156.1_FEV	2.2758e-07	GGCTTCCTG -AYTTCCTG	
J_MA0144.1_Stat3	4.9307e-07	GGCTTCCTG--- --CTTCNGGAA	
J_MA0305.1_GCR2	5.6667e-07	GGCTTCCTG -GCTTCN-	
J_MA0026.1_Eip74EF	6.0037e-07	GGCTTCCTG --YTTCCGG	

9






*forward*

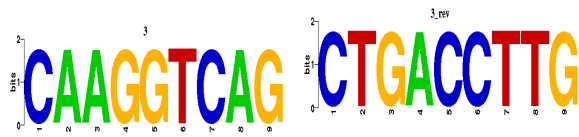


*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
J_MA0149.1_EWSR1-FLI	6.5289e-11	--SAGGAAGGAA----- GGAAGGAAGGAAGGAAGG	
J_MA0080.2_SPI1	1.4526e-06	TTCCTTCCTS --ACTTCCT-	

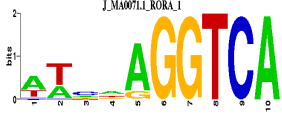
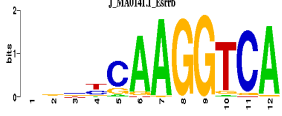

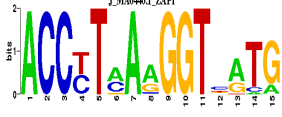

J_MA0156.1_FEV	8.6605e-06	TTCCTTCCTS --AYTTCCTG	
J_MA0026.1_Eip74EF	1.0643e-05	SAGGAAGGAA CCGGAAR---	
J_MA0081.1_SPIB	1.9158e-05	-SAGGAAGGAA ASMGGAA----	

3



*forward*

*reverse compliment*

Name	E value	Alignment	Motif
J_MA0071.1_RORA_1	1.8098e-10	CTGACCTTG-- -TGACCTNNWW	
J_MA0141.1_Esrb	4.1034e-10	CTGACCTTG---- -TGACCTTGRNNN	
J_MA0160.1_NR4A2	5.3313e-09	CTGACCTTG GTGACCTT-	
J_MA0440.1_ZAP1	3.1549e-06	-CTGACCTTG----- CATNACCTTKARGGT	
J_MA0115.1_NR1H2_RXR	6.2140e-06	-CTGACCTTG----- STTGACCTTTGACCTT	

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