

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

Input file: 13 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](#)

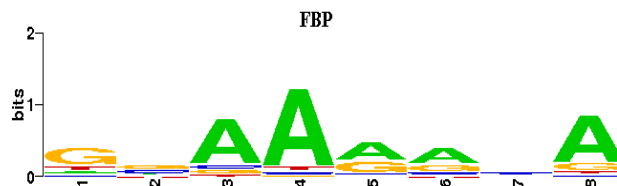
[Click here to run STAMP again.](#)

## Multiple Alignment

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

M0 :	-CCCCACCC---
M1 :	----AAAAA
M2 :	--GGAAGGGA--
M3 :	TTTTAAAA----
M4 :	--GAAAGAAA--
M5 :	-AGGAAGGA---
M6 :	AAGGAAAA----
M7 :	-TGGGAGAG---
M8 :	---CAAACAA-
M9 :	----AAAACACA
M10 :	-AACAAAAC---
M11 :	---CAAAGGAG-
M12 :	----AAGCTGGG

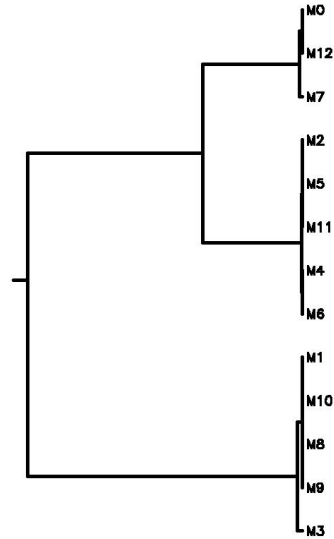
**Familial Profile:**  
([click for matrix](#))



# Motif Tree

Tree (drawn by **Phylip**)

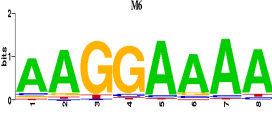
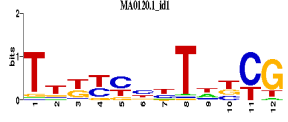
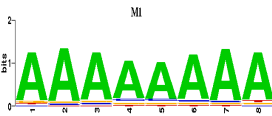

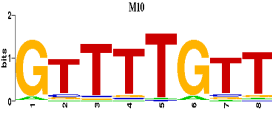
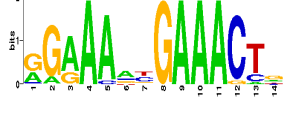
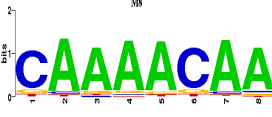

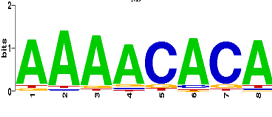

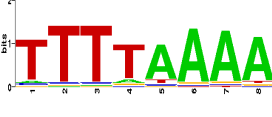

[Click here for Newick-format tree](#) (viewable with **MEGA**)



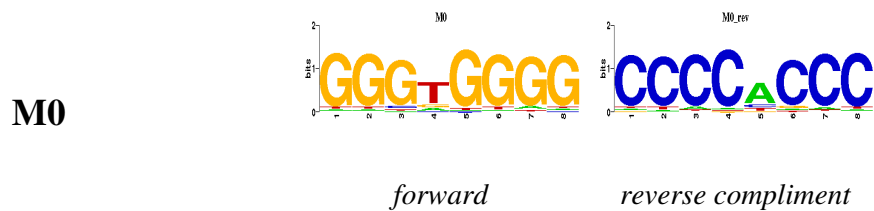
Input Motif

Best match in  
**JASPAR**

<p><b>M0</b></p>	<p>MA0039.2_Klf4</p> <p><b>MA0039.2_Klf4</b> (E val: 1.7133e-09)</p>
<p><b>M12</b></p>	<p>MA0323.1_IXR1</p> <p><b>MA0323.1_IXR1</b> (E val: 1.1658e-04)</p>
<p><b>M7</b></p>	<p>MA0432.1_YNR063W</p> <p><b>MA0432.1_YNR063W</b> (E val: 2.1199e-05)</p>
<p><b>M2</b></p>	<p>MA0149.1_EWSR1-FLI1</p> <p><b>MA0149.1_EWSR1-FLI1</b> (E val: 3.2841e-06)</p>
<p><b>M5</b></p>	<p>MA0149.1_EWSR1-FLI1</p> <p><b>MA0149.1_EWSR1-FLI1</b> (E val: 1.1595e-10)</p>
<p><b>M11</b></p>	<p>MA0370.1_RME1</p> <p><b>MA0370.1_RME1</b> (E val: 7.1701e-08)</p>
<p><b>M4</b></p>	<p>MA0277.1_AZF1</p> <p><b>MA0277.1_AZF1</b> (E val: 4.5644e-09)</p>

 <p><b>M6</b></p>	 <p>MA0120.1_id1 (E val: 8.9005e-08)</p>
 <p><b>M1</b></p>	 <p>MA0277.1_AZF1 (E val: 6.3774e-08)</p>
 <p><b>M10</b></p>	 <p>MA0137.1_STAT1 (E val: 2.2485e-05)</p>
 <p><b>M8</b></p>	 <p>MA00445.1_D (E val: 2.0194e-06)</p>
 <p><b>M9</b></p>	 <p>MA0233.1_mirr (E val: 4.7205e-05)</p>
 <p><b>M3</b></p>	 <p>MA0151.1_ARID3A (E val: 7.2475e-05)</p>

## Motif Similarity Matches



Name

E value

Alignment

Motif

## Stamp Results

09/29/13

MA0039.2\_Klf4 1.7133e-09

—CCCCACCC—  
GCCMCRCN



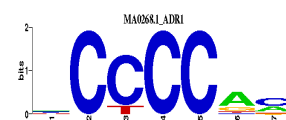
MA0436.1\_YPR022C 2.3038e-07

GGGTGGGG  
—NGTGGGG



MA0268.1\_ADR1 1.2124e-06

GGGTGGGG—  
—KTGGGGN



MA0373.1\_RPN4 4.1856e-06

GGGTGGGG  
—GGTGGCG

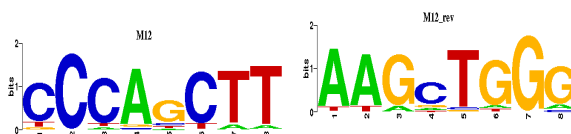


MA0079.2\_SP1 5.6798e-06

—GGGTGGGG  
GGGGGNGGGG



M12

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

MA0323.1\_IXR1 1.1658e-04

CCCAGCTT-----  
CMCCGCTTCCGGYTT



MA0267.1\_ACE2 1.8117e-04

AAGCTGGG  
—NGCTGGN



MA0164.1\_Nr2e3 1.8148e-04

AAGCTGGG  
AAGCTTN—



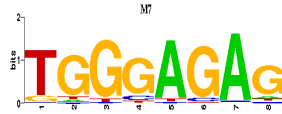
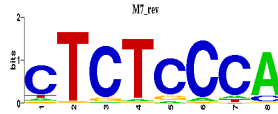
MA0048.1\_NHLH1 3.4426e-04

—CCCAGCTT—  
NCGCAGCTGCGN

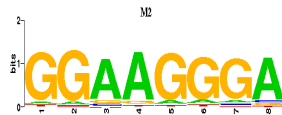
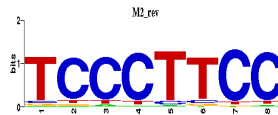


MA0402.1\_SWI5 6.4214e-04

---CCCAGCTT  
NACCAGCA---

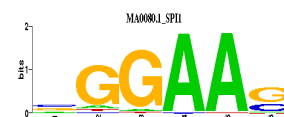
**M7***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0432.1_YNR063W	2.1199e-05	TGGGAGAG TCGGAGAT	
MA0354.1_PDR8	6.6302e-04	CTCTCCCA ATCTCCGN	
MA0062.1_GABPA	6.8723e-04	--TGGGAGAG ACCGGAAGNS	
MA0088.1_znf143	1.0557e-03	-----TGGGAGAG- KCNNKGMANNMTGGGANNNN	
MA0140.1_Tal1_Gata1	2.0679e-03	-----CTCTCCCA----- NTTATCTNNNNNNNNCNN	

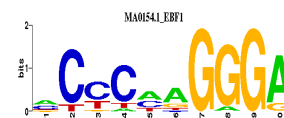
**M2***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	3.2841e-06	-----TCCCTTCC CCTTCCTTCCTTCCTTCC	

MA0080.1\_SPI1 5.1496e-05

-GGAAGGGA  
NGGAAS---

MA0154.1\_EBF1 1.4530e-04

--GGAAGGGA  
NCCCNAGGGA

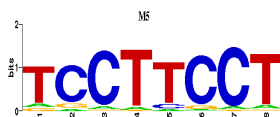
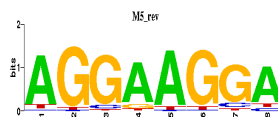
MA0305.1\_GCR2 1.7580e-04

-GGAAGGGA  
NGGAAGC--

MA0080.2\_SPI1 1.7627e-04

TCCCTTCC-  
--ACTTCCT

M5

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

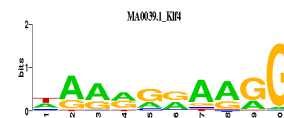
MA0149.1\_EWSR1-FLI1 1.1595e-10

---TCCTTCCT-----  
CCTTCCTTCCTTCCTTCC

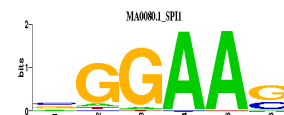
MA0080.2\_SPI1 2.5416e-07

AGGAAGGA  
AGGAAGT-

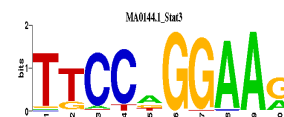
MA0039.1\_Klf4 1.2388e-05

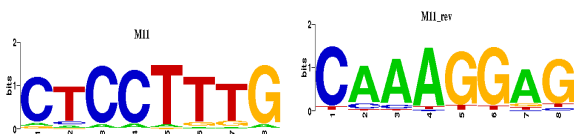
TCCTTCCT---  
-CCTTYYTNN

MA0080.1\_SPI1 5.1502e-05

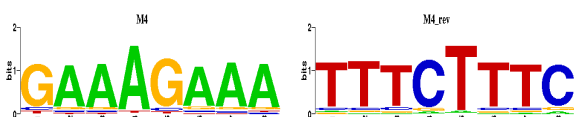
TCCTTCCT  
--STTCN

MA0144.1\_Stat3 5.7670e-05

TCCTTCCT----  
--CTTCNGGAA

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

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0370.1_RME1	7.1701e-08	CTCCTTTG-- TNCCTTTNNA	
MA0442.1_SOX10	1.3514e-04	-CAAAGGAG ACAAWG---	
MA0115.1_NR1H2_RXRA	2.3986e-04	-----CAAAGGAG--- AAAGGTCAAAGGTCAAS	
MA0114.1_HNF4A	3.3415e-04	-CTCCTTTG--- TGNMCTTTGNNCY	
MA0065.1_PPARG_RXRA	4.2896e-04	----CTCCTTTG----- NNNTGACCTTTGACCYCINN	

**M4***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	4.5644e-09	TTTCTTTC- TTTCTTTT	
MA0039.1_Klf4	2.9771e-05	--TTTCTTTC CCTTYYYTTN	

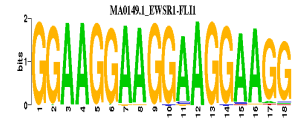
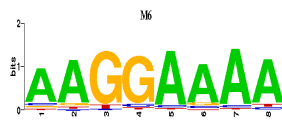
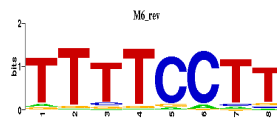
MA0370.1\_RME1 5.6768e-05

TTTCTTTC--  
TNCCTTTNNA

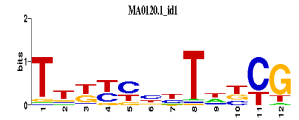
MA0407.1\_THI2 1.3989e-03

TTTCTTTC-----  
GTTCTTASRGTTKCC

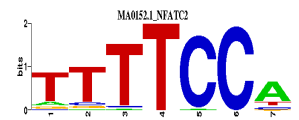
MA0149.1\_EWSR1-FLI1 1.4357e-03

-----TTTCTTTC-  
CCTTCCTTCCTTCCTTC**M6***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0120.1\_id1 8.9005e-08

TTTTCTT----  
TNKYNNNTNCG

MA0152.1\_NFATC2 1.5869e-07

AAGGAAAA  
-TGGA AAA

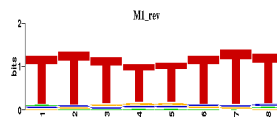
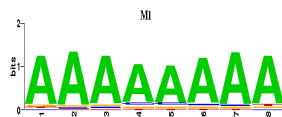
MA0277.1\_AZF1 8.0564e-06

TTTTCTT--  
-TTTCTTTT






MA0294.1\_EDS1 1.1277e-05

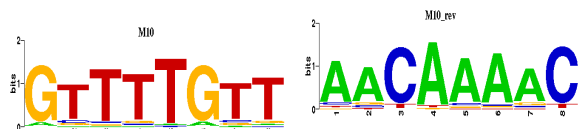
--TTTTCTT  
NTNTTCCN-




MA0156.1\_FEV 2.4403e-05

TTTTCTT  
AYTTCCTG**M1**



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	6.3774e-08	-TTTTTTTT TTTCTTTTT	
MA0049.1_hb	2.9398e-06	-TTTTTTTT- NTTTTNYKS	
MA0041.1_Foxd3	8.0051e-05	AAAAAAAA---- AAANAAACAWN	
MA0120.1_id1	4.5872e-04	----AAAAAAAA CGNNANNRRMNA	
MA0010.1_br_Z1	1.2433e-03	-TTTTTTTT---- NWYTTGTYTATNAN	

**M10**

	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0137.1_STAT1	2.2485e-05	--GTTTGT-- NAGTTTCNNTTTCY	
MA0442.1_SOX10	1.5416e-04	AACAAAAC -ACAAGW-	
MA0087.1_Sox5	1.7008e-04	GTTTGT-- --ATTGTTN	

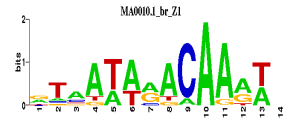
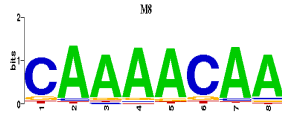
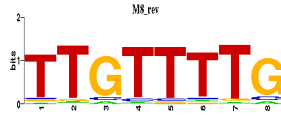
MA0041.1\_Foxd3 2.8531e-04

---AACAAAAC---  
 AAANAAACAWTN



MA0010.1\_br\_Z1 3.6347e-04

GTTTGT-----  
 NWYTTGTYTATNAN

**M8***forward**reverse compliment**Name**E value**Alignment**Motif*

MA00445.1\_D 2.0194e-06

CAAAACAA----  
 -ANAACAATRGN



MA0143.1\_Sox2 4.4545e-06

----CAAAACAA----  
 TNTGCATNACAAWGG



MA0142.1\_Pou5f1 8.6898e-06

--TTGTTTTG-----  
 CWTGTNATGCAAAT



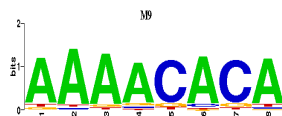
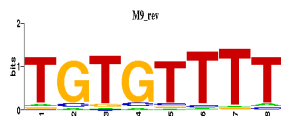
MA0084.1\_SRY 2.1614e-05

CAAAACAA-  
 NNWAACAAT

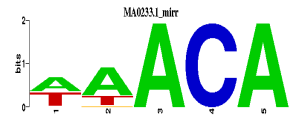


MA0235.1\_onecut 3.4241e-05

CAAAACAA  
 -NAATCAA

**M9***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0233.1\_mirr 4.7205e-05

TGTGTTTT  
--TGTTW-

MA0210.1\_ara 1.5718e-04

TGTGTTTT  
--TGTTW-

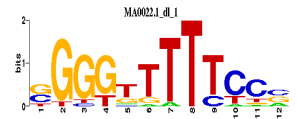
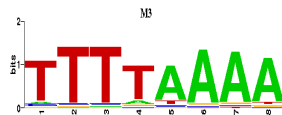
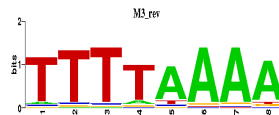
MA0297.1\_FKH2 1.7266e-04

TGTGTTTT-  
--TGTTTAC

MA0002.2\_RUNX1 2.5525e-04

AAAACACA---  
NAACCACARNN

MA0022.1\_dl\_1 4.3637e-04

----AAAACACA  
NGGAAAAACCCS**M3***forward**reverse compliment**Name**E value**Alignment**Motif*

MA0151.1\_ARID3A 7.2475e-05

TTTTAAAA  
-TTTAAT-

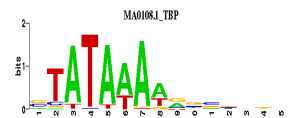
MA0218.1\_ct 1.3352e-03

TTTTAAAA  
--TTRAAC

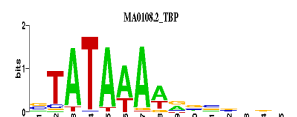
MA0173.1\_CG11617 1.5695e-03

-TTTTAAAA  
ATGTWAA--

MA0108.1\_TBP 1.5824e-03

-----TTTTAAAA  
NNNNNNYWTTTATAN

MA0108.2\_TBP 1.5862e-03

-----TTTTAAAA  
NNNNNNYWTTTATAN

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