

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

Input file: [10 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](#)

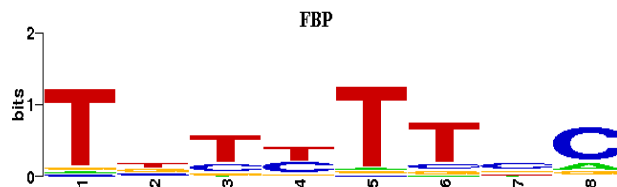
[Click here to run STAMP again.](#)

Multiple Alignment

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

M0 :	---GGGTGGGG--
M1 :	TTTTTTTT----
M2 :	--TCCCTTCC--
M3 :	----TTTAAAA
M4 :	--TTTCTTTC--
M5 :	---TCCTTCCT--
M6 :	----TTTTCCTT
M7 :	---CTCTCCCA--
M8 :	-TTGTTTTTG---
M9 :	TGTGTTTT----

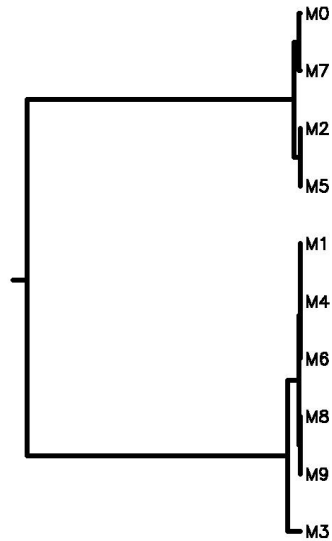
Familial Profile:
([click for matrix](#))



Motif Tree

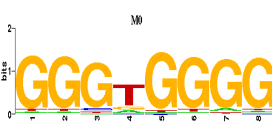

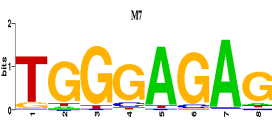

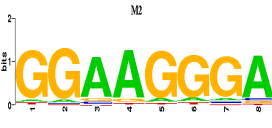
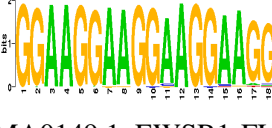
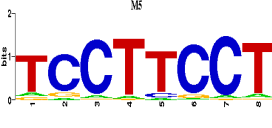
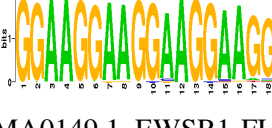
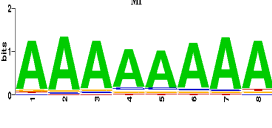

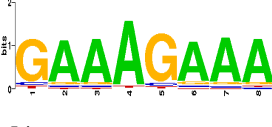

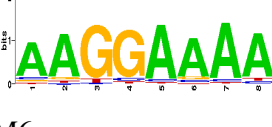
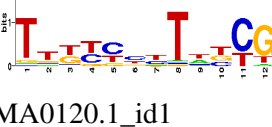
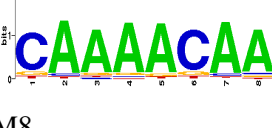

Tree (drawn by **PhyIip**)

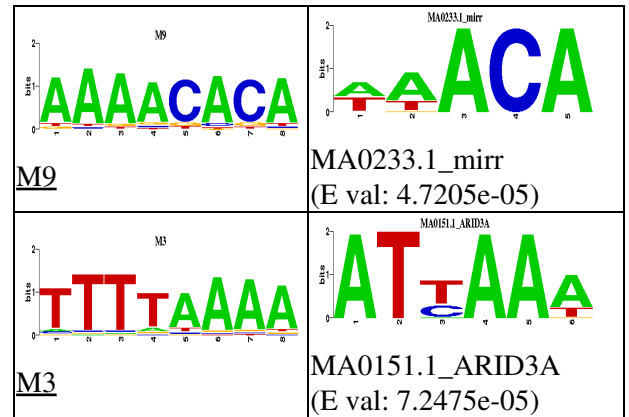
[Click here for Newick-format tree \(viewable with MEGA\)](#)



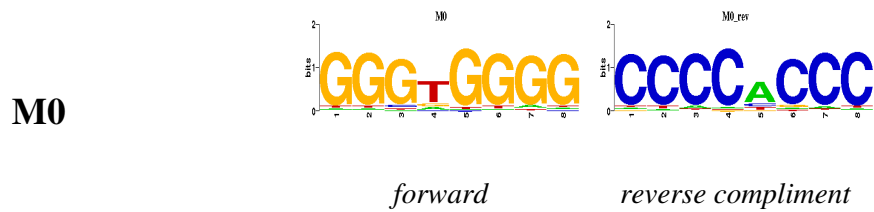
Input Motif





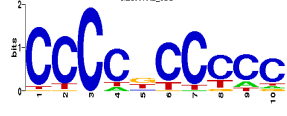
Best match in JASPAR

 M0	 MA0039.2_Klf4 (E val: 1.7133e-09)
 M7	 MA0432.1_YNR063W (E val: 2.1199e-05)
 M2	 MA0149.1_EWSR1-FLI1 (E val: 3.2841e-06)
 M5	 MA0149.1_EWSR1-FLI1 (E val: 1.1595e-10)
 M1	 MA0277.1_AZF1 (E val: 6.3774e-08)
 M4	 MA0277.1_AZF1 (E val: 4.5644e-09)
 M6	 MA0120.1_id1 (E val: 8.9005e-08)
 M8	 MA00445.1_D (E val: 2.0194e-06)



Motif Similarity Matches

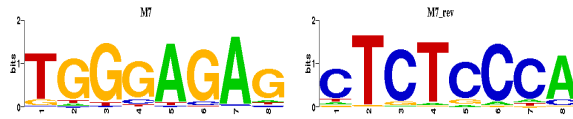


Name	E value	Alignment	Motif
MA0039.2_Klf4	1.7133e-09	-CCCCACCC- GCCMCRCCCN	
MA0436.1_YPR022C	2.3038e-07	GGGTGGGG -NGTGGGG	
MA0268.1_ADR1	1.2124e-06	GGGTGGGG- --KTGGGGN	
MA0373.1_RPN4	4.1856e-06	GGGTGGGG -GGTGGCG	
MA0079.2_SP1	5.6798e-06	--GGGTGGGG GGGGGNGGGG	

Stamp Results

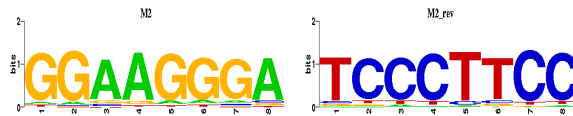
12/16/13

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

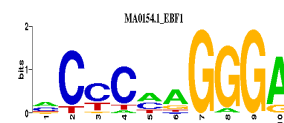
*forward**reverse compliment*

<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---	

Stamp Results

12/16/13

MA0154.1_EBF1 1.4530e-04

--GGAAGGGA
NCCCNAGGGA

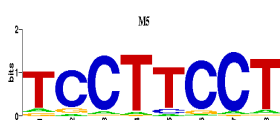
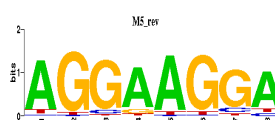
MA0305.1_GCR2 1.7580e-04

-GGAAGGGA
NGGAAGC--

MA0080.2_SPI1 1.7627e-04

TCCCTTCC-
--ACTTCCT

M5

*forward**reverse compliment*

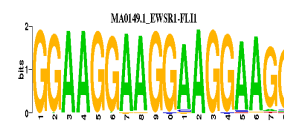
Name

E value

Alignment

Motif

MA0149.1_EWSR1-FLI1 1.1595e-10

---TCCTTCCT-----
CCTTCCTTCCTTCCTTC

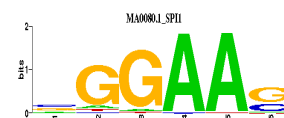
MA0080.2_SPI1 2.5416e-07

AGGAAGGA
AGGAAGT-

MA0039.1_Klf4 1.2388e-05

TCCTTCCT---
-CCTTYYYTTN

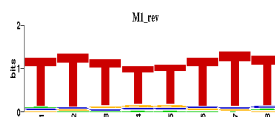
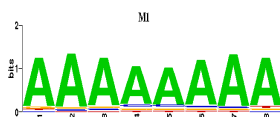
MA0080.1_SPI1 5.1502e-05






TCCTTCCT
--STCCN

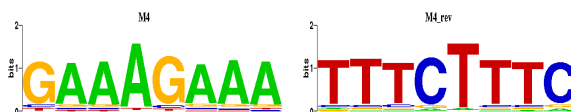
MA0144.1_Stat3 5.7670e-05





TCCTTCCT----
--CTTCNGGAA

M1



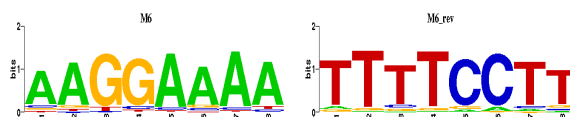
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	6.3774e-08	-TTTTTTTT TTTCTTTTT	
MA0049.1_hb	2.9398e-06	-TTTTTTTT- NTTTTTNYKS	
MA0041.1_Foxd3	8.0051e-05	AAAAAAAA---- AAANAAACAWTN	
MA0120.1_id1	4.5872e-04	----AAAAAAAA CGNNANNRRMNA	
MA0010.1_br_Z1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

M4

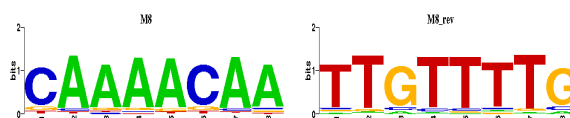
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	4.5644e-09	TTTCTTTC- TTTCTTTTT	
MA0039.1_Klf4	2.9771e-05	--TTTCTTTC CCTTYYYTNN	
MA0370.1_RME1	5.6768e-05	TTTCTTTC-- TNCCTTTNNA	
MA0407.1_THI2	1.3989e-03	TTTCTTTC----- GTTCTTASRGTTKCC	

MA0149.1_EWSR1-FLI1 1.4357e-03

-----TTTCTTTC-
CCTTCCTTCCTTCCTTCC

**M6***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0120.1_id1	8.9005e-08	TTTTCTT---- TNKYNNNTNCG	<p>MA0120.1_id1</p>
MA0152.1_NFATC2	1.5869e-07	AAGGAAAA -TGAAAA	<p>MA0152.1_NFATC2</p>
MA0277.1_AZF1	8.0564e-06	TTTTCTT-- -TTTCTTTT	<p>MA0277.1_AZF1</p>
MA0294.1_EDS1	1.1277e-05	--TTTTCTT NTNTTCCN-	<p>MA0294.1_EDS1</p>
MA0156.1_FEV	2.4403e-05	TTTTCTT AYTTCCTG	<p>MA0156.1_FEV</p>

M8*forward**reverse compliment*

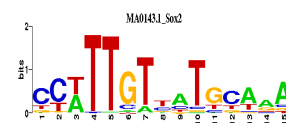
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA00445.1_D	2.0194e-06	CAAAACAA---- -ANAACAATRG	<p>MA00445.1_D</p>

Stamp Results

12/16/13

MA0143.1_Sox2 4.4545e-06

----CAAACAA---
TNTGCATNACAAWGG



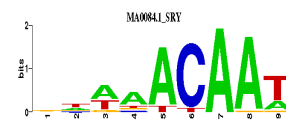
MA0142.1_Pou5f1 8.6898e-06

--TTGTTTTG-----
CWTGTGNATGCAAAT



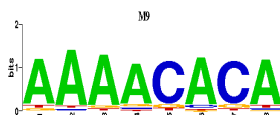
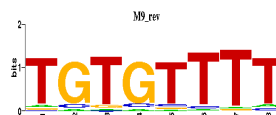
MA0084.1_SRY 2.1614e-05

CAAACAA-
NNWAACAAT



MA0235.1_onecut 3.4241e-05

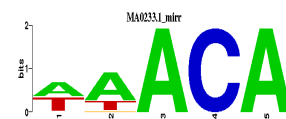
CAAACAA
-NAATCAA

**M9***forward**reverse complement**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

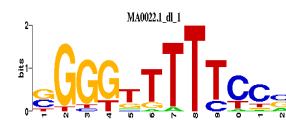
AAAACACA---
NAACCACARNN



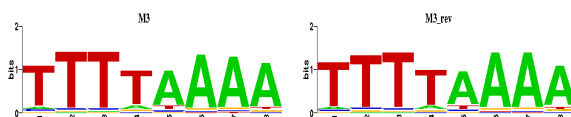
MA0022.1_d1_1

4.3637e-04

----AAAACACA
NGGAAAAACCCS



M3

*forward**reverse compliment*

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

Sequence logo generation powered by [weblogo](#)
 STAMP is written by Shaun Mahony