



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

Input file: 42 motifs loaded

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

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

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)

```

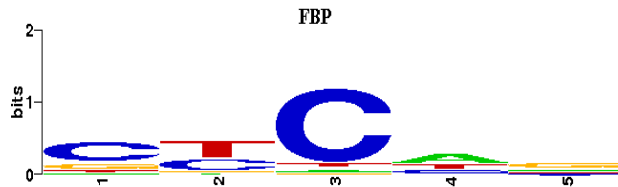
M0 :          -AAAAAAAA-----
M1 :          ----TTTTAAAA-
M2 :          -CAAGGTCA-----
M3 :          -CACACACA-----
M4 :          -CCTCCTCC-----
M5 :          ----CCTCCCTC-
M6 :          -----CCCAGCCC
M7 :          -----CTCTGCCT
M8 :          ----TTCCTTT-
M9 :          ----TTCCTTTC-
M10 :         --CAGCTCTG---
M11 :         -CTGTCTCC----
M12 :         -----CTCTGTCC
M13 :         --TCCCTCTG---
M14 :         ---AGGTCAGG--
M15 :         ---TCCCCAGG--
M16 :         -AGGCAGCA-----
M17 :         ----TCCCTTCT-
M18 :         --CCCCTCCA---
M19 :         -GGCTGCCA-----
M20 :         ----ACCCACAG-
M21 :         ---AGCTCAGA--
M22 :         -TCTGCCCA-----

```

```

M23: ----AGCCAGCT-
M24: --GAGCTCAG---
M25: ---GCCTCCAC--
M26: -TGGCCCCT----
M27: -CACCTCT----
M28: ---GTCCTGC--
M29: -----CCCAGCTT
M30: ---AAGCCAAG--
M31: --AGGCTCCA---
M32: --GGCCCCTG---
M33: -GTGICTCT----
M34: GCAGGCTC-----
M35: -----GGCCACTG-
M36: --CCCTTCAG---
M37: -----CCCAAGCA
M38: -----GTCACACA
M39: ---CTGTCAGC--
M40: -----TGCATGCA
M41: -AGTCTCC----
    
```

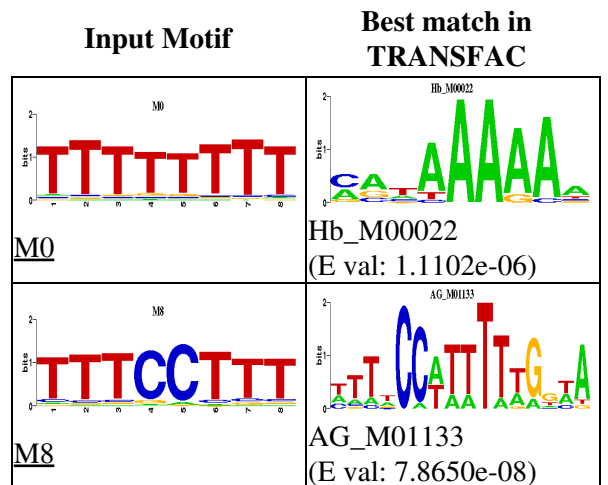
Familial Profile:
[\(click for matrix\)](#)

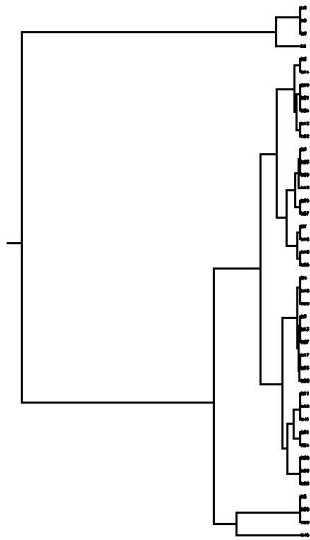


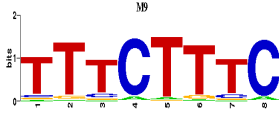

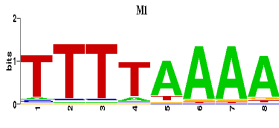
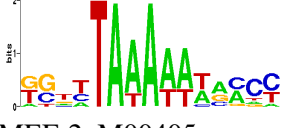
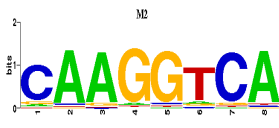





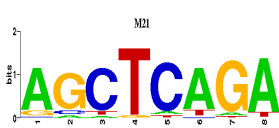



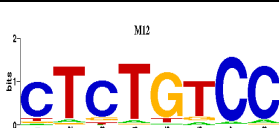
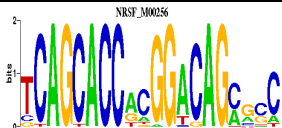
Motif Tree

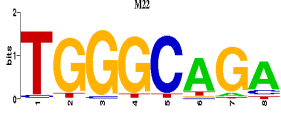
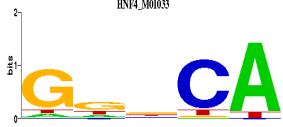
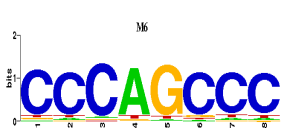

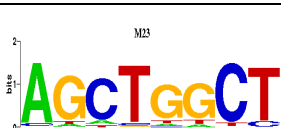
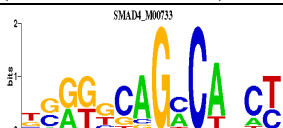


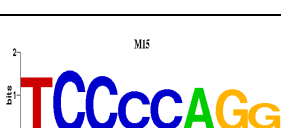
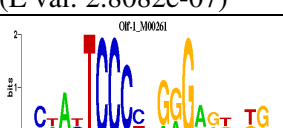






Tree (drawn by [Phylip](#))

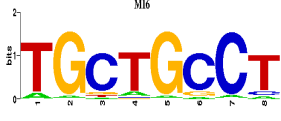




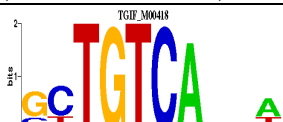






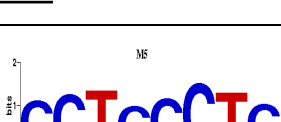



[Click here for Newick-format tree \(viewable with MEGA\)](#)

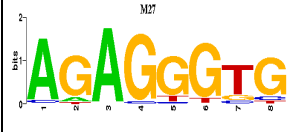

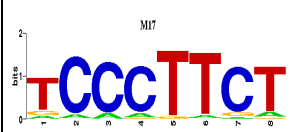

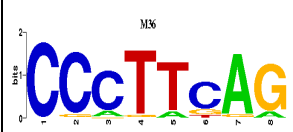

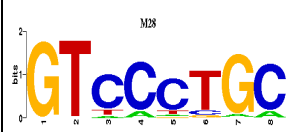

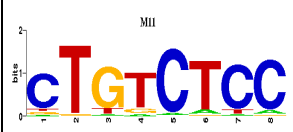

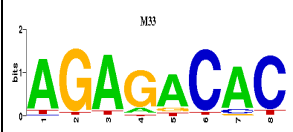

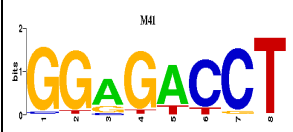

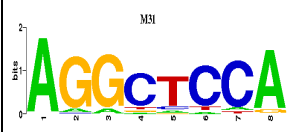



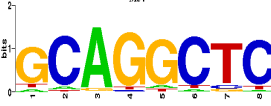










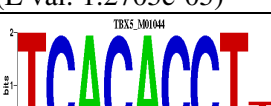






<p>M9</p> 	<p>STE11_M01005</p>  <p>STE11_M01005 (E val: 2.3855e-08)</p>
<p>M1</p> 	<p>MEF-2_M00405</p>  <p>MEF-2_M00405 (E val: 2.5871e-06)</p>
<p>M2</p> 	<p>RORalpha1_M00156</p>  <p>RORalpha1_M00156 (E val: 5.8370e-11)</p>
<p>M14</p> 	<p>MEF-3_M00319</p>  <p>MEF-3_M00319 (E val: 5.0984e-07)</p>
<p>M10</p> 	<p>Eve_M00629</p>  <p>Eve_M00629 (E val: 7.2053e-06)</p>
<p>M21</p> 	<p>Dde_M00304</p>  <p>Dde_M00304 (E val: 2.1343e-06)</p>
<p>M24</p> 	<p>Dde_M00304</p>  <p>Dde_M00304 (E val: 3.4805e-06)</p>
<p>M12</p> 	<p>NRSF_M00256</p>  <p>NRSF_M00256 (E val: 2.3408e-07)</p>

<p>M22</p>  <p>M22</p>	<p>HNF4_M01033</p>  <p>HNF4_M01033 (E val: 8.2767e-05)</p>
<p>M6</p>  <p>M6</p>	<p>CAC-binding_M00720</p>  <p>CAC-binding_M00720 (E val: 6.6712e-09)</p>
<p>M23</p>  <p>M23</p>	<p>SMAD4_M00733</p>  <p>SMAD4_M00733 (E val: 1.5334e-07)</p>
<p>M29</p>  <p>M29</p>	<p>LUN-1_M00480</p>  <p>LUN-1_M00480 (E val: 2.8082e-07)</p>
<p>M15</p>  <p>M15</p>	<p>Olf-1_M00261</p>  <p>Olf-1_M00261 (E val: 2.4311e-08)</p>
<p>M30</p>  <p>M30</p>	<p>YY1_M00069</p>  <p>YY1_M00069 (E val: 7.0307e-06)</p>
<p>M37</p>  <p>M37</p>	<p>NGFI-C_M00244</p>  <p>NGFI-C_M00244 (E val: 1.3593e-06)</p>
<p>M7</p>  <p>M7</p>	<p>Dde_M00304</p>  <p>Dde_M00304 (E val: 3.1580e-06)</p>

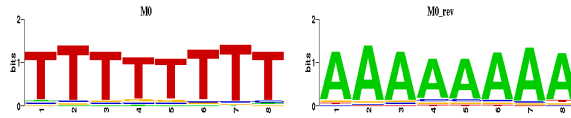
<p>M16</p> 	<p>v-Maf_M00035</p>  <p>v-Maf_M00035 (E val: 9.0866e-06)</p>
<p>M19</p> 	<p>SMAD4_M00733</p>  <p>SMAD4_M00733 (E val: 2.4043e-05)</p>
<p>M39</p> 	<p>TGIF_M00418</p>  <p>TGIF_M00418 (E val: 1.2458e-08)</p>
<p>M4</p> 	<p>UF1H3BETA_M01068</p>  <p>UF1H3BETA_M01068 (E val: 3.0685e-06)</p>
<p>M18</p> 	<p>MAZ_M00649</p>  <p>MAZ_M00649 (E val: 3.1277e-07)</p>
<p>M25</p> 	<p>GCR1_M00046</p>  <p>GCR1_M00046 (E val: 3.4060e-06)</p>
<p>M5</p> 	<p>TFII-I_M00706</p>  <p>TFII-I_M00706 (E val: 6.7002e-13)</p>
<p>M13</p> 	<p>TFII-I_M00706</p>  <p>TFII-I_M00706 (E val: 1.3914e-05)</p>

 <p>M27</p>	 <p>GBF_M00633</p>
<p>(E val: 7.4335e-06)</p>	<p>(E val: 7.4335e-06)</p>
 <p>M17</p>	 <p>BLIMP1_M01066</p>
<p>(E val: 8.1105e-06)</p>	<p>(E val: 8.1105e-06)</p>
 <p>M36</p>	 <p>EBF_M00977</p>
<p>(E val: 9.5925e-05)</p>	<p>(E val: 9.5925e-05)</p>
 <p>M28</p>	 <p>Gfi1b_M01058</p>
<p>(E val: 3.1100e-04)</p>	<p>(E val: 3.1100e-04)</p>
 <p>M11</p>	 <p>ARF_M00438</p>
<p>(E val: 2.2867e-07)</p>	<p>(E val: 2.2867e-07)</p>
 <p>M33</p>	 <p>ARF_M00438</p>
<p>(E val: 2.2678e-07)</p>	<p>(E val: 2.2678e-07)</p>
 <p>M41</p>	 <p>Poly_M00211</p>
<p>(E val: 3.8270e-06)</p>	<p>(E val: 3.8270e-06)</p>
 <p>M31</p>	 <p>ZID_M00085</p>
<p>(E val: 1.5506e-06)</p>	<p>(E val: 1.5506e-06)</p>

<p>M34</p>  <p>M34</p>	<p>Ttk_M00009</p>  <p>Ttk_M00009 (E val: 3.0135e-04)</p>
<p>M26</p>  <p>M26</p>	<p>PCF5_M00952</p>  <p>PCF5_M00952 (E val: 3.1158e-07)</p>
<p>M32</p>  <p>M32</p>	<p>E12_M00693</p>  <p>E12_M00693 (E val: 3.2026e-06)</p>
<p>M35</p>  <p>M35</p>	<p>bZIP911_M00358</p>  <p>bZIP911_M00358 (E val: 2.7406e-05)</p>
<p>M3</p>  <p>M3</p>	<p>CACD_M01113</p>  <p>CACD_M01113 (E val: 1.2705e-05)</p>
<p>M38</p>  <p>M38</p>	<p>TBX5_M01044</p>  <p>TBX5_M01044 (E val: 5.4449e-06)</p>
<p>M20</p>  <p>M20</p>	<p>PTF1-beta_M00657</p>  <p>PTF1-beta_M00657 (E val: 1.6269e-05)</p>
<p>M40</p>  <p>M40</p>	<p>Nrf-1_M00652</p>  <p>Nrf-1_M00652 (E val: 1.2788e-05)</p>

Motif Similarity Matches

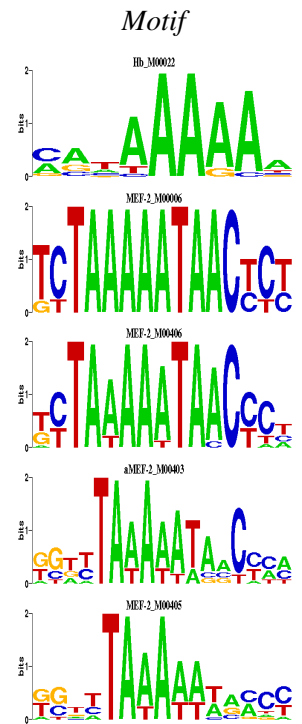
M0



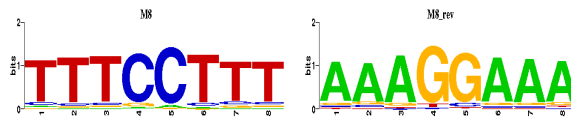
forward

reverse compliment

Name	E value	Alignment
Hb_M00022	1.1102e-06	-TTTTTTTT NTTTTTNYK
MEF-2_M00006	2.2304e-06	----TTTTTTTT-- RGRGTTATTTTTAGA
MEF-2_M00406	2.9291e-06	----TTTTTTTT-- NGGGTTATTTTTAGM
aMEF-2_M00403	4.3238e-06	----TTTTTTTT---- KKRGNATTTTTARNCM
MEF-2_M00405	5.3347e-06	--TTTTTTTT---- RGKNWTTTTTANNSM



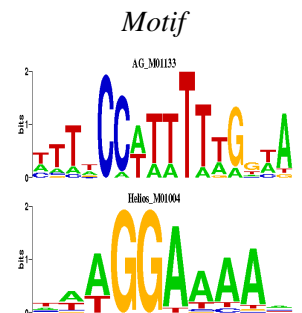
M8



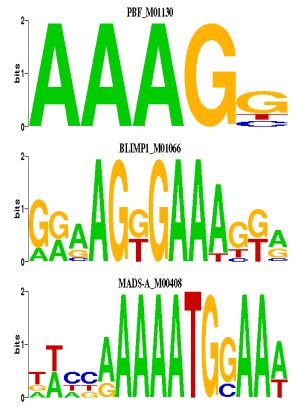
forward

reverse compliment

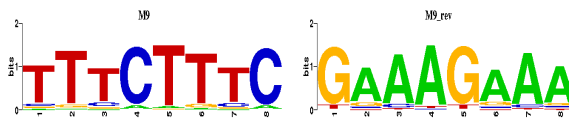
Name	E value	Alignment
AG_M01133	7.8650e-08	-----AAAGGAAA-- TWNCAAAAAWGGNAAN
Helios_M01004	1.5611e-07	--TTTCCTTT NTTTCCTWN



PBF_M01130	2.2517e-06	AAAGGAAA AAAGG---
BLIMP1_M01066	6.1578e-06	--AAAGGAAA--- GRAAGKGAAAGKR
MADS-A_M00408	7.0970e-06	TTTCCTTT----- TTCCATTTTNNWN



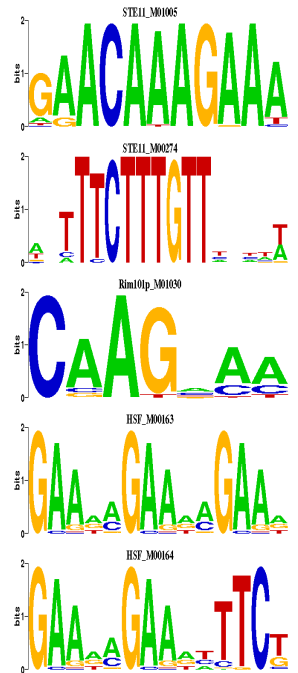
M9



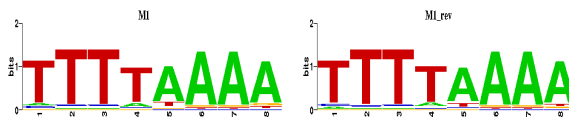
forward

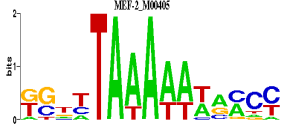

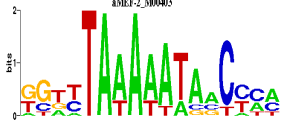

reverse compliment

Name	E value	Alignment	Motif
STE11_M01005	2.3855e-08	TTTCTTTC--- TTTCTTTGTC	
STE11_M00274	4.1830e-07	--TTTCTTTC----- WNTTTCTTTGTTNNNNW	
Rim101p_M01030	1.7002e-06	TTTCTTTC TTNCTTG-	
HSF_M00163	7.5502e-06	-----TTTCTTTC- NTTCTNTTCTNTTC	
HSF_M00164	7.5502e-06	-----TTTCTTTC- AGAANNTTCTNTTC	

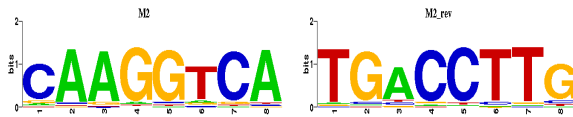




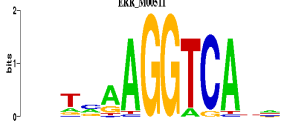

M1



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MEF-2_M00405	2.5871e-06	-TTTTAAAA----- KSNNTAAAAAWNMCY	
TATA_M00216	5.7329e-06	-TTTTAAAA NTTTTATAG	
aMEF-2_M00403	1.7374e-05	-----TTTTAAAA- KKRGNATTTTTARNCM	
Abd-B_M01094	2.5380e-05	TTTTAAAA TTTTAT--	
MEF-2_M00406	1.3135e-04	-----TTTTAAAA NGGGTTATTTTTAGM-	

M2

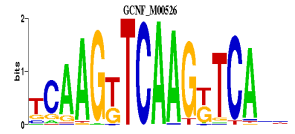


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
RORalpha1_M00156	5.8370e-11	-TGACCTTG--- NTGACCTNNWWN	
SF1_M00727	5.8845e-11	TGACCTTG -GACCTTG	
ERR_M00511	4.3815e-10	---CAAGGTCA-- NNNNAAGGTCANN	
SF1_M01132	1.0695e-09	-CAAGGTCA NCAAGGTN-	

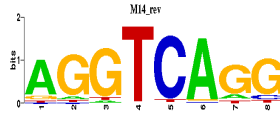
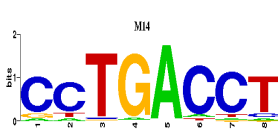
GCNF_M00526

5.1738e-09

--TGACCTTG-----
NNTGAMCTTGAACCTGA



M14

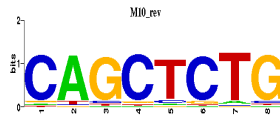
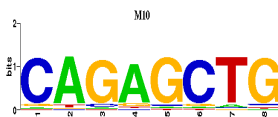


forward

reverse compliment

Name	E value	Alignment	Motif
MEF-3_M00319	5.0984e-07	-----CCTGACCT NGWAACCTGASC-	
PPARalpha-RXRalpha_M00518	8.3363e-06	CCTGACCT----- CNTSACCCCNATGACCNN	
ER_M00959	1.4961e-05	--CCTGACCT RNNNTGACCT	
v-ErbA_M00239	1.7890e-05	----AGGTCAGG--- NNTRAGGTCACNSNN	
LF-A1_M00646	2.4190e-05	CCTGACCT -YWGASCC	

M10



forward

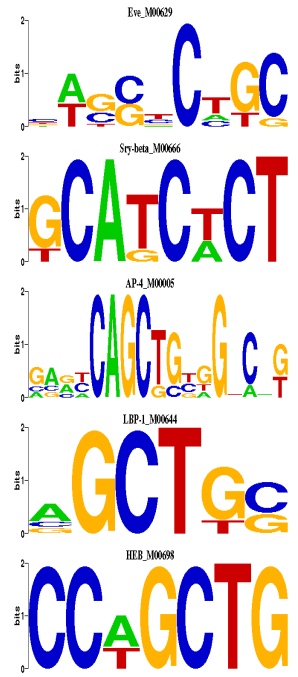
reverse compliment

Name	E value	Alignment	Motif
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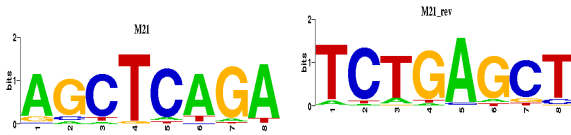
Stamp Results

10/01/13

Eve_M00629	7.2053e-06	CAGCTCTG- NWSSNCNGC
Sry-beta_M00666	9.9521e-06	CAGAGCTG- -AGWGATGC
AP-4_M00005	3.5605e-05	-----CAGAGCTG----- MNGNCNNCAGCTGNNNN
LBP-1_M00644	3.7114e-05	-CAGCTCTG SCAGCN---
HEB_M00698	4.8600e-04	CAGAGCTG- --CAGCWGG



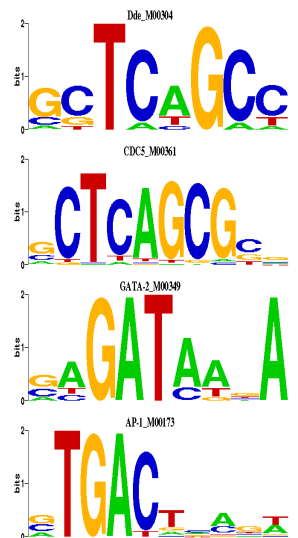
M21



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Dde_M00304	2.1343e-06	AGCTCAGA- -GCTCAGCC
CDC5_M00361	2.0065e-05	---TCTGAGCT NSCGCTGAGS-
GATA-2_M00349	1.2653e-04	TCTGAGCT- TNTTATCTS
AP-1_M00173	4.2918e-04	TCTGAGCT-- WNKNAGTCAN



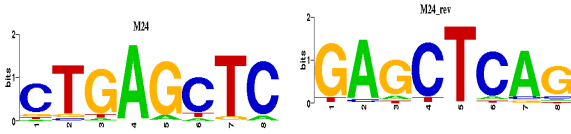
dTCF_M00362

4.5698e-04

-AGCTCAGA-
AAGATCAAAG



M24

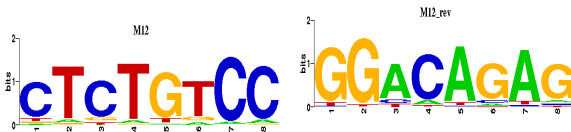


forward

reverse compliment

Name	E value	Alignment	Motif
Dde_M00304	3.4805e-06	--CTGAGCTC GGCTGAGC--	
PXR_M01153	2.5697e-05	CTGAGCTC -TGA ACTN	
CDC5_M00361	3.1349e-05	GAGCTCAG---- --SCTCAGCGSN	
Pax_M00808	1.6023e-04	CTGAGCTC-- GTKAGTTCCA	
GATA-2_M00349	6.6180e-04	-CTGAGCTC TNTTATCTS	

M12



forward

reverse compliment

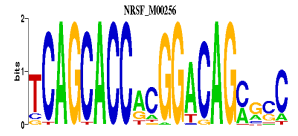
Name	E value	Alignment	Motif
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Stamp Results

10/01/13

NRSF_M00256 2.3408e-07

--CTCTGTCC-----
GSYGCTGTCCCGTGGTGCTGA



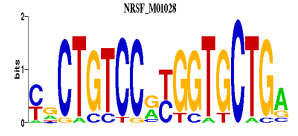
SMAD3_M00701 5.0300e-06

GGACAGAG
AGNCAGAC



NRSF_M01028 2.5350e-05

CTCTGTCC-----
YNCTGTCCRYGGTGCTGA



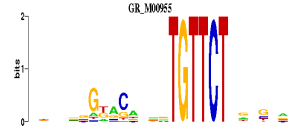
ZAP1_M00735 7.4048e-05

GGACAGAG-
TGACCGAGY

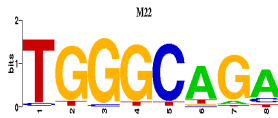


GR_M00955 1.1900e-04

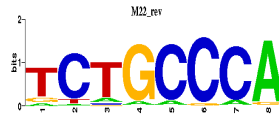
-----CTCTGTCC-----
NNNNNNAGAACANNNNGNNCNNNNNN



M22



forward



reverse compliment

Name

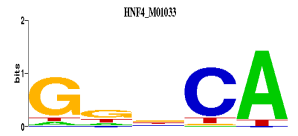
E value

Alignment

Motif

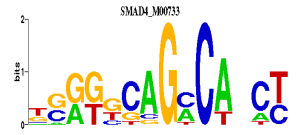
HNF4_M01033 8.2767e-05

TCTGCCCA
--TGNNC-



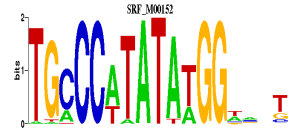
SMAD4_M00733 2.4721e-04

-----TCTGCCCA-
RGNTGKCTGNMYSN



SRF_M00152 4.4106e-04

-----TGGGCAGA
ANNCCATATATGGGCA--



SREBP-1_M00221 4.9822e-04

-TGGGCAGA-
GTGGGGTGAT



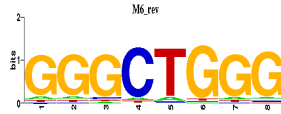
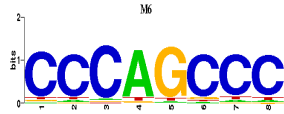
Sp3_M00665

6.4394e-04

-TCTGCCCA----
CCCYSCCCAAGKS



M6



forward

reverse compliment

Name

E value

Alignment

Motif

CAC-binding_M00720 6.6712e-09

CCCAGCCC
CCCASCCY



Sp1_M00931 6.7653e-08

-CCCAGCCC
NCCCCGCC



Sp1_M00932 1.1773e-06

--GGGCTGGG--
NNGGGCGGGGNN



Sp1_M00196 1.3508e-06

--GGGCTGGG--
NNGGGCGGGGNN

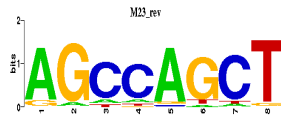
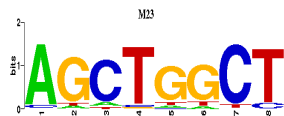


KROX_M00982 4.8185e-06

-GGGCTGGG----
GNNGNGGGGGCGG



M23



forward

reverse compliment

Name

E value

Alignment

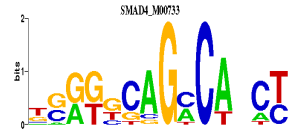
Motif

Stamp Results

10/01/13

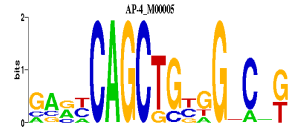
SMAD4_M00733 1.5334e-07

AGCTGGCT-----
RGNTGKCTGNMYSN



AP-4_M00005 2.2156e-07

-----AGCTGGCT-
MNGNCNNCAGCTGNNNN



HEB_M00698 1.1310e-06

-AGCTGGCT
CAGCWGG--



LBP-1_M00644 6.3036e-06

AGCTGGCT
NGCTGS--

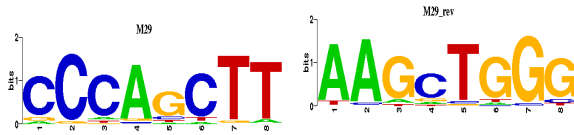


NF-muE1_M00651 8.9244e-06

AGCTGGCT
AGATGGCC



M29



forward

reverse compliment

Name E value

Alignment

Motif

LUN-1_M00480 2.8082e-07

-----AAGCTGGG
TCCCAAAGTAGCTGGG



Barbie_M00238 8.2042e-07

--CCCAGCTT----
CMNNCNSCTTTNNN



HEB_M00698 1.0682e-06

AAGCTGGG
CAGCWGG-



LBP-1_M00644 2.3859e-06

AAGCTGGG
-NGCTGS-



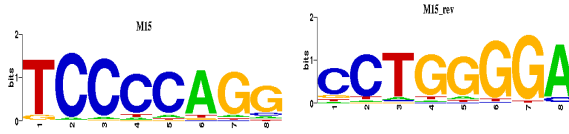
AP-4_M00176

1.2601e-05

-AAGCTGGG
NCAGCTGNN



M15



forward

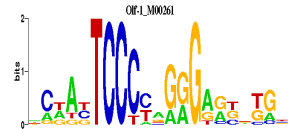
reverse compliment

Name E value Alignment Motif

Olf-1_M00261

2.4311e-08

-----TCCCCAGG-----
NCNANTCCCYGGGARNNKGN



AP-2_M00915

5.3455e-07

--CCTGGGGA--
NGCCNGNGGNNN



EBF_M00977

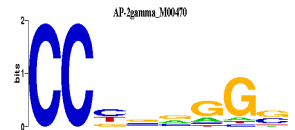
6.5793e-07

TCCCCAGG--
TCCCYWGRGN



AP-2gamma_M00470 2.1372e-05

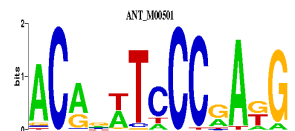
TCCCCAGG
SCCNNNGG



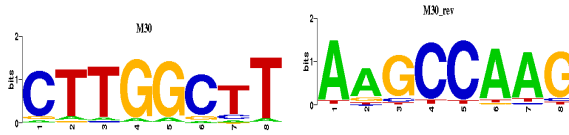
ANT_M00501

6.1143e-05

CCTGGGGA-----
CMTYGGGAWNTGT



M30



forward

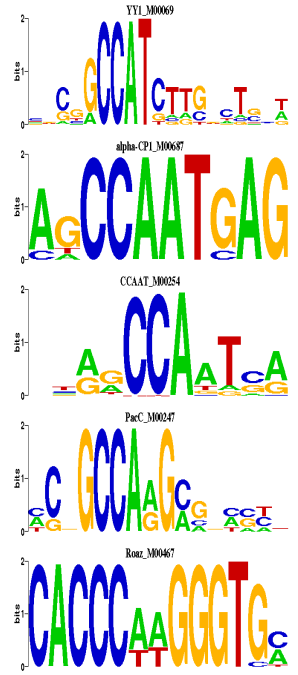
reverse compliment

Name E value Alignment Motif

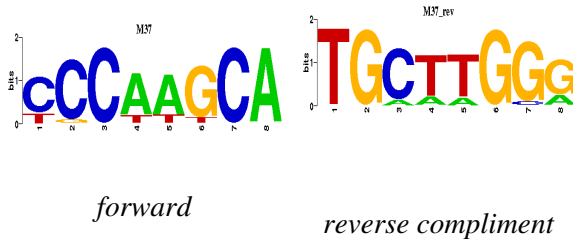
Stamp Results

10/01/13

YY1_M00069	7.0307e-06	--AAGCCAAG----- WNSANNCAAGATGGCNGNN
alpha-CP1_M00687	2.1367e-05	AAGCCAAG--- -AGCCAATGAG
CCAAT_M00254	1.8156e-04	--CTTGGCTT- TSATTGGY YNN
PacC_M00247	6.9234e-04	-AAGCCAAG----- NCNGCCARGMNNNNNN
Roaz_M00467	8.2749e-04	-----CTTGGCTT KCACCCTTGGGTG



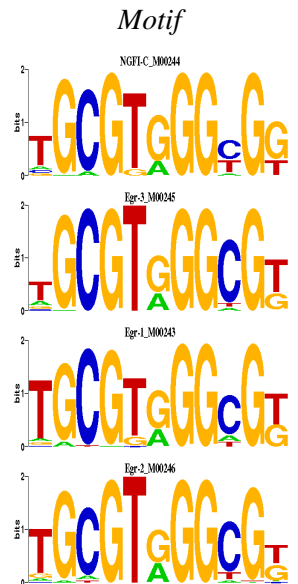
M37



forward

reverse compliment

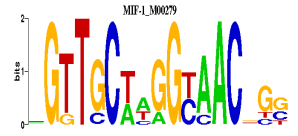
Name	E value	Alignment
NGFI-C_M00244	1.3593e-06	TGCTTGGG--- TGCGTGGGYGG
Egr-3_M00245	2.1391e-06	TGCTTGGG--- TGCGTGGGCGT
Egr-1_M00243	2.4103e-06	TGCTTGGG--- TGCGTGGGCGK
Egr-2_M00246	3.1124e-06	---CCCAAGCA MCGCCCACGCA



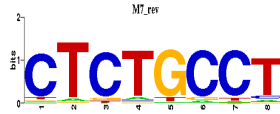
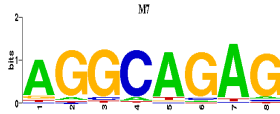
MIF-1_M00279

5.1136e-05

---TGCTGGG-----
NGTTGCWWGGYAACNGS



M7



forward

reverse compliment

Name

E value

Alignment

Motif

Dde_M00304

3.1580e-06

-CTCTGCCT
GCTCAGCC-



SMAD3_M00701

5.0818e-06

CTCTGCCT
GCTGNCT



Nrf-2_M00108

1.1602e-04

CTCTGCCT-
SNCTTCCGG



Eve_M00629

3.0504e-04

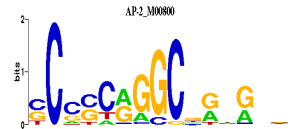
AGGCAGAG---
--GCNGNSSWN



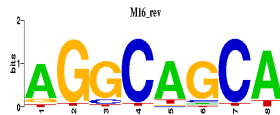
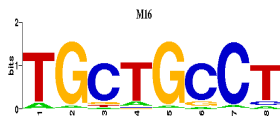
AP-2_M00800

8.8562e-04

--CTCTGCCT-----
NNYNYNGCCYGSSGS



M16



forward

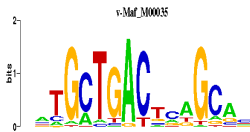




reverse compliment

Name

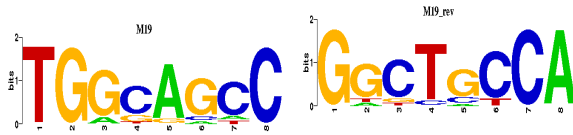
E value

Alignment

Motif





v-Maf_M00035	9.0866e-06	-----AGGCAGCA-- NNNTGCNNNGTCAGCANN	
LMAF_M01139	5.7686e-05	-TGCTGCCT CTGCTGAS-	
LBP-1_M00644	7.4852e-05	AGGCAGCA --SCAGCN	
c-Ets-1_M00743	8.6157e-05	AGGCAGCA MGGAAGC-	
bZIP910_M00357	1.8218e-04	-AGGCAGCA-- ACGTCAGCAYS	

M19



forward

reverse compliment

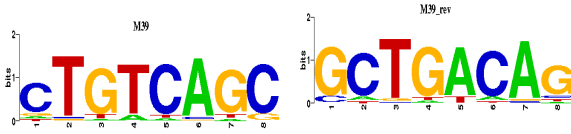
Name	E value	Alignment	Motif
SMAD4_M00733	2.4043e-05	--TGGCAGCC---- NSRKNCAGMCANCY	
GCR1_M00337	2.5746e-05	-----TGGCAGCC AAWAGTGGGAAGCC	
TGIF_M00418	8.8882e-05	GGCTGCCA--- -GCTGTCANNW	
ERF2_M01057	1.6630e-04	TGGCAGCC -GGCGGC-	

LBP-1_M00644 2.3720e-04

TGGCAGCC
--SCAGCN



M39

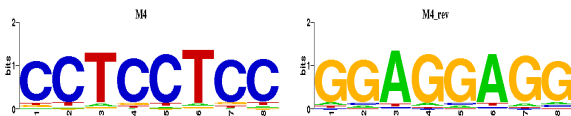


forward

reverse compliment

Name	E value	Alignment	Motif
TGIF_M00418	1.2458e-08	-GCTGACAG- WNNTGACAGC	
LMAF_M01139	4.1544e-06	--GCTGACAG CTGCTGAS--	
MEIS1_M00419	2.7232e-05	---CTGTCAGC NNNCTGTCANN	
bZIP910_M00357	2.8694e-05	CTGTCAGC--- ACGTCAGCAYS	
Bel-1_M00312	1.2444e-04	----GCTGACAG----- ANCTGCTGAYRCWGMGNKNACTNYCNM	

M4



forward

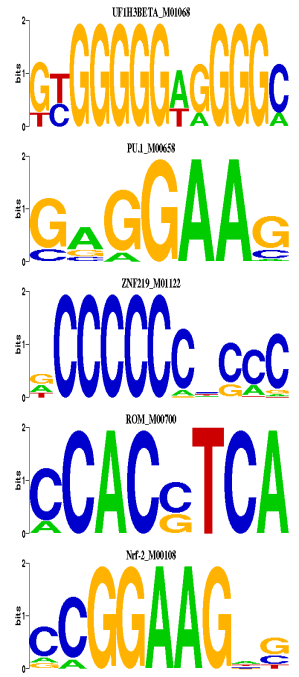
reverse compliment

Name	E value	Alignment	Motif
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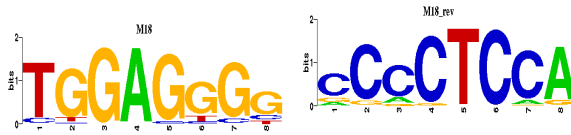
Stamp Results

10/01/13

UF1H3BETA_M01068	3.0685e-06	--GGAGGAGG--- GYGGGGGAGGGGC
PU.1_M00658	3.9249e-06	CCTCCTCC CTTCCTC-
ZNF219_M01122	2.6703e-05	-GGAGGAGG-- GGGNGGGGGGN
ROM_M00700	5.7199e-05	GGAGGAGG TGASGTGG
Nrf-2_M00108	1.5169e-04	CCTCCTCC-- -SNCTTCCGG



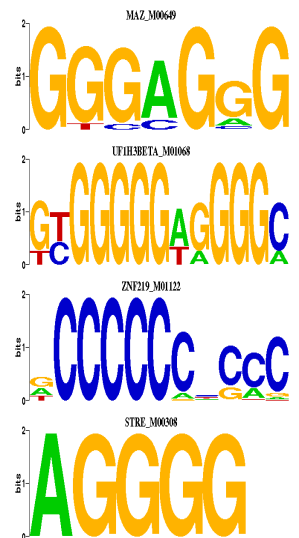
M18



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
MAZ_M00649	3.1277e-07	CCCCTCCA -CCCTCC
UF1H3BETA_M01068	3.8129e-07	-CCCCTCCA---- GCCCTCCCCRC
ZNF219_M01122	2.2300e-06	TGGAGGGG--- GGGNGGGGGGN
STRE_M00308	2.3648e-05	-CCCCTCCA NCCCCT---



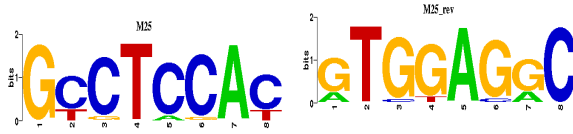
Sp1_M00931

2.4318e-05

-CCCCTCCA
NCCCCGCC



M25



forward

reverse compliment

Name

E value

Alignment

Motif

GCR1_M00046

3.4060e-06

GTGGAGGC
GWGGAAGC



GCR1_M00337

1.2538e-05

----GTGGAGGC-
AAWAGTGGGAAGCC



MAZ_M00649

2.3940e-04

GTGGAGGC
-GGGAGGG



Egr_M00807

2.7343e-04

---GCCTCCAC
NYYGCSCCCA-



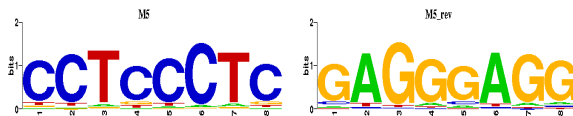
ERF2_M01057

3.9826e-04

GTGGAGGC
--GGCGGC



M5



forward

reverse compliment

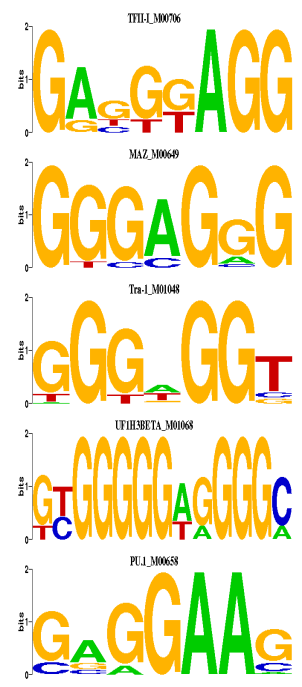
Name

E value

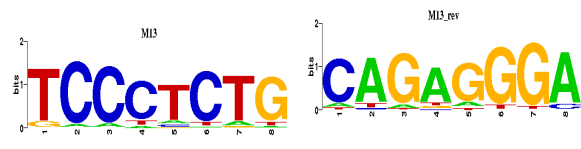
Alignment

Motif

TFII-I_M00706	6.7002e-13	GAGGGAGG GANGKAGG
MAZ_M00649	2.0789e-07	-CCTCCCTC CCCTCCC--
Tra-1_M01048	2.5547e-06	GAGGGAGG-- --GGGWGGT
UF1H3BETA_M01068	3.3995e-06	---CCTCCCTC-- GCCCCTCCCCRC
PU.1_M00658	5.6139e-06	CCTCCCTC -CTTCCTC



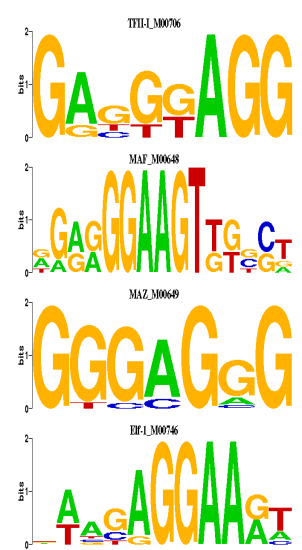
M13



forward

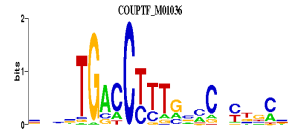
reverse compliment

Name	E value	Alignment	Motif
TFII-I_M00706	1.3914e-05	--TCCCTCTG CCTMCNTC--	
MAF_M00648	8.9525e-05	CAGAGGGA----- -NGRRGGAAGTKNSN	
MAZ_M00649	2.6594e-04	TCCCTCTG -CCCTCCC	
Elf-1_M00746	3.8539e-04	--TCCCTCTG- AYTTCCTCTTN	

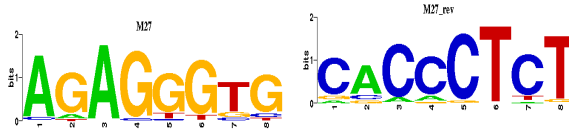


COUPTF_M01036 4.0099e-04

--CAGAGGGA-----
NKNNRNGKNNAAGGTCANNNN



M27

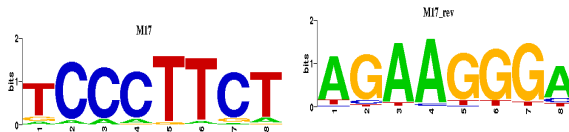


forward

reverse compliment

Name	E value	Alignment	Motif
GBF_M00633	7.4335e-06	CACCCTCT NACCCNA	
AR_M00481	4.2778e-05	--AGAGGGTG---- GWACANNNTGTNCT	
KR_M01089	1.4784e-04	--AGAGGGTG-- NNAAGGGTNN	
TFII-I_M00706	1.6443e-04	AGAGGGTG-- -GANGKAGG	
CAC-binding_M00720	1.7031e-04	--CACCCTCT CCCASCCY--	

M17



forward

reverse compliment

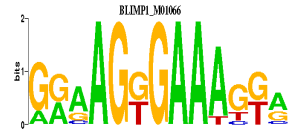
Name	E value	Alignment	Motif
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Stamp Results

10/01/13

BLIMP1_M01066 8.1105e-06

-----TCCCTTCT
YMCTTTCMCTTYC



GATA-4_M00632 9.9971e-06

TCCCTTCT---
TSYCTKNTATC



EBF_M00977 1.7409e-04

--AGAAGGGA
NCYCWRGGGA



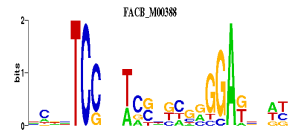
PEND_M01015 3.1774e-04

TCCCTTCT-
--ACTTCTT

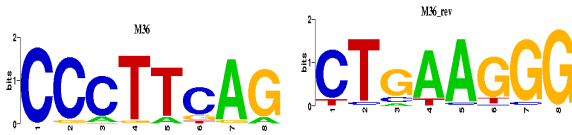


FACB_M00388 3.3825e-04

-----AGAAGGGA-----
NNNNMTCCNNNNNSNANNGGANNNN



M36



forward

reverse compliment

Name E value

Alignment

Motif

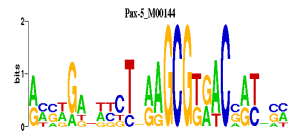
EBF_M00977 9.5925e-05

-CTGAAGGG-
NCYCWRGGGA



Pax-5_M00144 1.1997e-04

-----CTGAAGGG-----
RNNNGNNNNNTNRAGCGKRACNRYNNN



ZAP1_M00754 5.0208e-04

--CTGAAGGG
CCCTMAAGGT



TTF1_M00432 1.6232e-03

-CCCTTCAG
AYACTTGAS

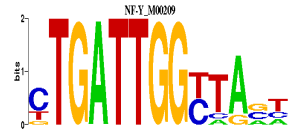


Stamp Results

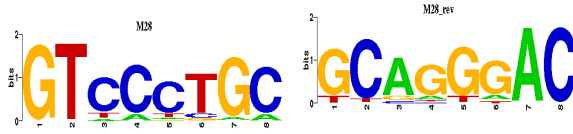
10/01/13

NF-Y_M00209 1.6837e-03

CTGAAGGG-----
CTGATTGGYTANN



M28

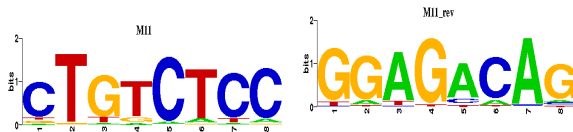


forward

reverse compliment

Name	E value	Alignment	Motif
Gfi1b_M01058	3.1100e-04	-GCAGGGAC-- WGCMGTGATTT	
Ttk_M00009	3.1788e-04	GCAGGGAC GCAGGAC-	
Bel-1_M00312	8.5850e-04	-----GTCCTGC----- KNGRNAGTNMNCKCWGYRTCAGCAGNT	
GATA-4_M00632	1.0458e-03	GTCCTGC---- -TSYCTKNTATC	
MAZ_M00649	1.2217e-03	GTCCTGC- --CCCTCCC	

M11



forward

reverse compliment

Name	E value	Alignment	Motif
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Stamp Results

10/01/13

ARF_M00438 2.2867e-07

GGAGACAG
-GAGACAA



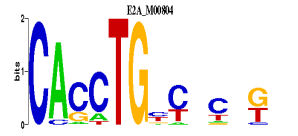
SMAD3_M00701 4.6057e-06

GGAGACAG--
--AGNCAGAC



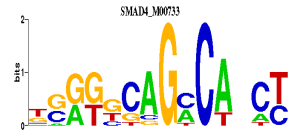
E2A_M00804 2.1954e-04

--GGAGACAG---
NMNGNGNCAGGTG



SMAD4_M00733 4.8138e-04

--CTGTCTCC----
RGNTGKCTGNMYSN

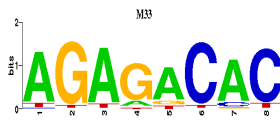


Poly_M00211 1.3777e-03

GGAGACAG--
-GAGACCAC



M33



forward



reverse compliment

Name

E value

Alignment

Motif

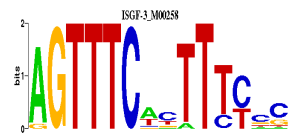
ARF_M00438 2.2678e-07

AGAGACAC
-GAGACAA



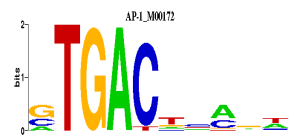
ISGF-3_M00258 2.7178e-04

-----AGAGACAC-
GNGAAANWGAACT



AP-1_M00172 3.1629e-04

--AGAGACAC
NNKNGTCAS



SMAD3_M00701 3.9404e-04

AGAGACAC
AGNCAGAC

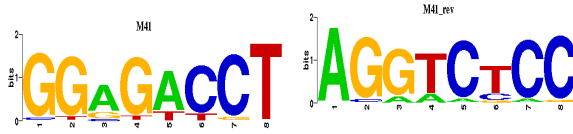


Sry-beta_M00666 4.5713e-04

GTGTCCT
GCATCWCT



M41



forward

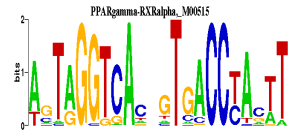
reverse compliment

Name *E value* *Alignment* *Motif*

Poly_M00211 3.8270e-06 GGAGACCT-
-GAGACCAC



PPARgamma-RXRalpha_M00515 2.1675e-04 -----GGAGACCT-----
ASTAGGTCACNGTGACCTANTT



ARF_M00438 2.8985e-04 GGAGACCT
-GAGACAA



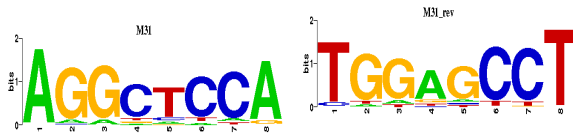
SF1_M00727 5.4539e-04 --AGGTCCTC
CAAGGTC---



SF1_M01132 1.5540e-03 ---AGGTCCTC
NCAAGGTN---



M31



forward

reverse compliment

Name *E value* *Alignment* *Motif*

Stamp Results

10/01/13

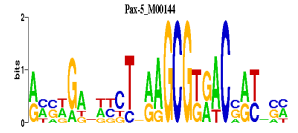
ZID_M00085 1.5506e-06

AGGCTCCA-----
-GGCTCYATCAYC



Pax-5_M00144 1.9050e-03

-----AGGCTCCA-----
NNNRYNGTYMCGCTYNANNNNNNCNNNY



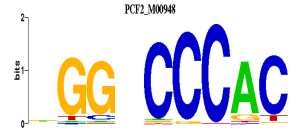
Alfin1_M00479 5.1326e-03

AGGCTCCA-----
MNNCCCCACNYNYN



PCF2_M00948 6.0619e-03

-TGGAGCCT
GTGGNCCN

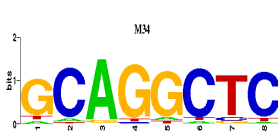


LF-A1_M00646 8.3576e-03

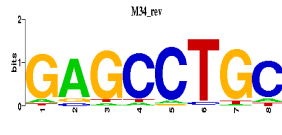
TGGAGCCT
YWGASCC-



M34



forward



reverse compliment

Name E value

Alignment

Motif

Ttk_M00009 3.0135e-04

GAGCCTGC
-GTCCTGC



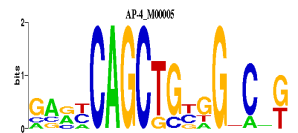
Nrf-1_M00652 3.5982e-04

-GAGCCTGC
YGCGCAYGC



AP-4_M00005 1.5125e-03

-----GCAGGCTC
MNGNCNNCAGCTGNNNN



KAISO_M01119 1.5926e-03

---GCAGGCTC
NTNGCAGGA--

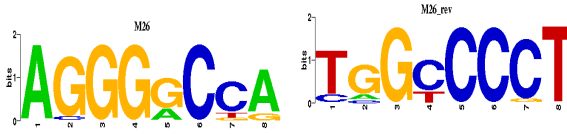


E2A_M00973 2.2671e-03

-GCAGGCTC
RNCAGNT--



M26

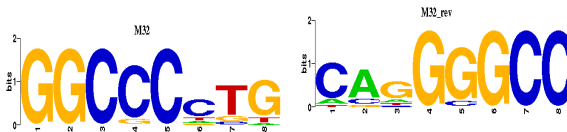


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PCF5_M00952	3.1158e-07	-AGGGGCCA NNGGGNCCA	
STRE_M00308	2.9445e-05	TGGCCCCT --NCCCCT	
ABF1_M00399	9.5108e-05	-----TGGCCCCT----- NNTCNNGCCACGTGTCNNNNW	
ABF1_M00400	1.0384e-04	---AGGGGCCA----- TGTCNGGCCACGTGGNNRNGNN	
PCF2_M00948	1.6775e-04	-TGGCCCCT GTGGGNCCN	

M32



forward

reverse compliment

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

10/01/13

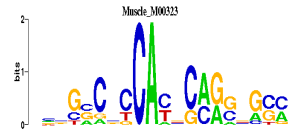
E12_M00693 3.2026e-06

-GGCCCCTG-
NNNCACCTGY



Muscle_M00323 1.1522e-05

GGCCCCTG-----
KSCNSCTGNRTGGNGNCNNN



STRE_M00308 2.0748e-05

GGCCCCTG
-NCCCCT-



STRE_M00154 1.9119e-04

GGCCCCTG
-NCCCCTN

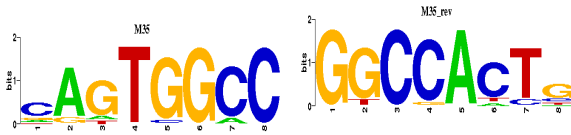


UF1H3BETA_M01068 3.2000e-04

GGCCCCTG-----
-GCCCCTCCCCRC



M35



forward

reverse compliment

Name

E value

Alignment

Motif

bZIP911_M00358 2.7406e-05

GGCCACTG---
GGCCACGTCAY



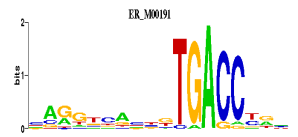
AP-2rep_M00468 5.8434e-05

GGCCACTG
-NCCACT-



ER_M00191 8.3286e-05

-----CAGTGGCC--
NNNGGTCANNNNNNNYNN



alpha-CP1_M00687 8.5853e-05

GGCCACTG--
AGCCAATGAG



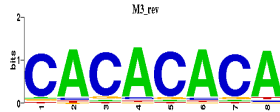
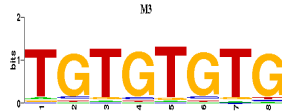
LXR_M00647

3.2393e-04

-----CAGTGGCC--
TGACCNNAAGTRACCC



M3

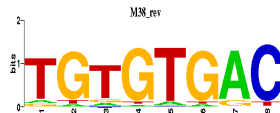
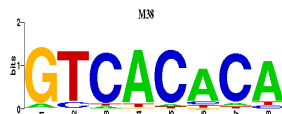


forward

reverse compliment

Name	E value	Alignment	Motif
CACD_M01113	1.2705e-05	TGTGTGTG -GGGYGTG	
Hmx3_M00433	6.5238e-05	CACACACA- CACGCACTT	
GBF_M00633	7.9646e-05	CACACACA NACCCNA	
CACCC-binding_M00721	8.2652e-05	-----TGTGTGTG- ANCMNNWGGGTGNGG	
HFH4_M00742	8.3126e-05	TGTGTGTG---- WKTGTTTGTTTA	

M38



forward

reverse compliment

Name	E value	Alignment	Motif
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Stamp Results

10/01/13

TBX5_M01044 5.4449e-06

GTCACACA--
-TCACACCTT



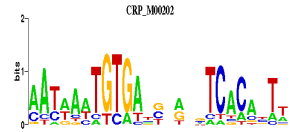
Pax-3_M00360 1.0401e-05

-GTCACACA---
CGTCACRCTTNM



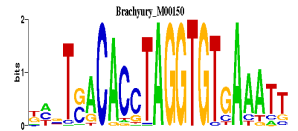
CRP_M00202 4.6720e-05

-----GTCACACA-
AATWAWTGTGANNRNNNTCACANTW



Brachyury_M00150 1.2005e-04

-----TGTTGGAC--
AATTCACACCTAGGTGTSANNN

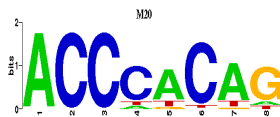


CREB_M00801 4.6064e-04

TGTTGGAC
---NTGAC



M20



forward

reverse compliment

Name

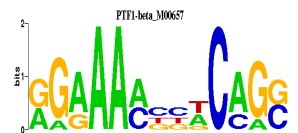
E value

Alignment

Motif

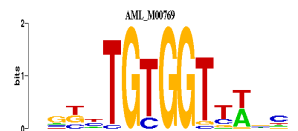
PTF1-beta_M00657 1.6269e-05

-CTGTGGT----
SCTGWNNKTTTCY



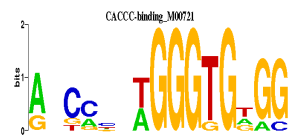
AML_M00769 3.2042e-05

---ACCCACAG---
NNWRACCACANNNN



CACCC-binding_M00721 7.1137e-05

---ACCCACAG---
CCNCACCCWNNKGNT



GBF_M00633 8.4818e-05

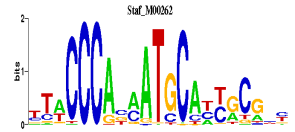
CTGTGGGT-
-TNGGGGTN



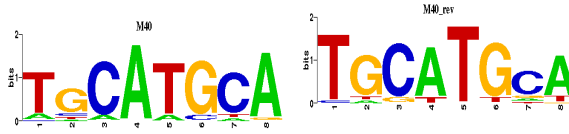
Staf_M00262

1.7287e-04

-----CTGTGGGT--
NNCGYRNTGCATKNTGGGWAN



M40



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Nrf-1_M00652	1.2788e-05	--TGCATGCA YGCGCAYGC-	
AhR-Arnt_M00235	1.1768e-03	-TGCATGCA----- NKGCACGCRANNNN	
SGF-3_M00662	1.5156e-03	TGCATGCA --TRTKCA	
Oct-1_M00342	1.6082e-03	----TGCATGCA NATTGTCAT---	
RCS1_M00753	1.7965e-03	---TGCATGCA- AANTGGGTGCAK	

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