

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

Input file: 28 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".

[Download results as a PDF](#)

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Multiple Alignment

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

```

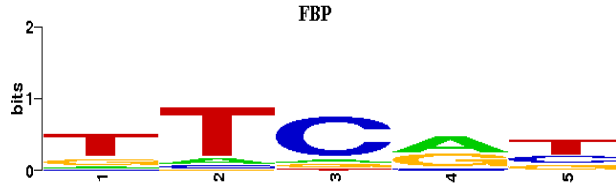
abf1:      -----RTCAYTNNNNACG-----
ace2:      -----ACCAGC-----
bas1:      -----GAGTCA-----
cad1:      -----MTTASTMAKC-----
dal81:     AAACGCAATTTTC-----
dig1:      -----TGTTTCA-----
fh11:      ----CAYCCRTACA-----
fkh2:      -----TRTTKRY-----
gal4:      -----CGGNNNNNNNNNNNCCG
gat3:      -----GTAGATCY-----
gcn4:      -----WGAGTCAYT-----
hap4:      ----KNTNATTGGNNGR-----
hsf1:      TTCYNNNNNNNTTC-----
leu3:      ----CCGNNNNNCCG-----
mbp1:      -----ACGCGT-----
mcm1:      -----WTWCCYAAWNNGGTAA----
met31:     ----CCACAGTTT-----
msn4:      -----CCCCTT-----
ndd1:      -----CCNNWTYNGG-----
nrg1:      -----AGGGTCC-----
rlm1:      ----CTAWWWWTAG-----
stb1:      -----TTSGCGTYY-----
ste12:     -----TGTTTCAT-----
  
```

```

sum1:      ----WTTWSTGWCRC-----
swi4:      -----TTTTCGTG-----
swi5:      -----YCAGCM-----
yap6:      -----TTAGTAA-----
yap1:      -----MTTACGTAAK-----

```

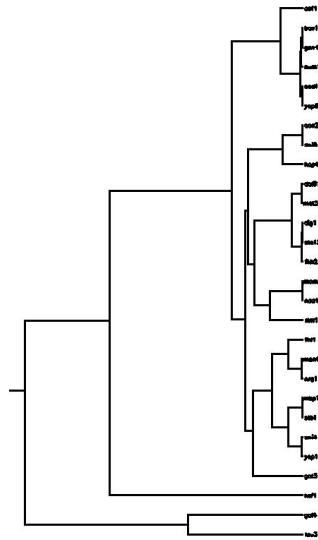
Familial Profile:
[\(click for matrix\)](#)



Motif Tree

Tree (drawn by [Phylip](#))

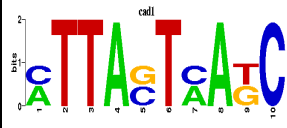
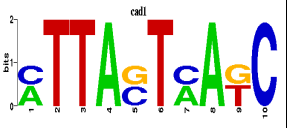
[Click here for Newick-format tree](#) (viewable with [MEGA](#))

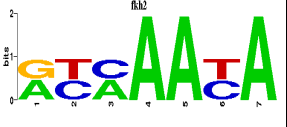
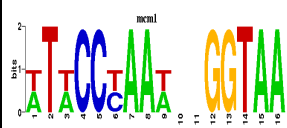
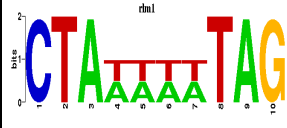


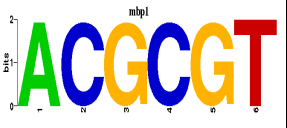
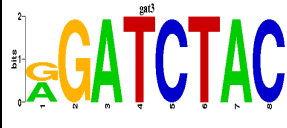
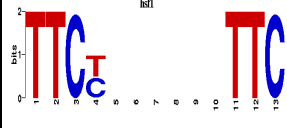
Input Motif

Best match in
user-defined

<u>abf1</u>	abf1 (E val: 3.4913e-09)
<u>bas1</u>	bas1 (E val: 3.8873e-11)
<u>gcn4</u>	gcn4 (E val: 1.1102e-16)
<u>sum1</u>	sum1 (E val: 0.0000e+00)

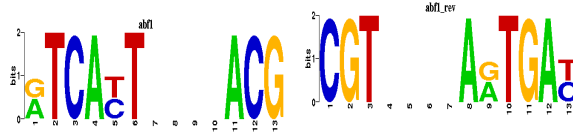
 <u>cad1</u>	 cad1 (E val: 0.0000e+00)
 <u>yap6</u>	 yap6 (E val: 1.0500e-12)
 <u>ace2</u>	 ace2 (E val: 3.8873e-11)
 <u>swi5</u>	 swi5 (E val: 3.8873e-11)
 <u>hap4</u>	 hap4 (E val: 3.4913e-09)
 <u>dal81</u>	 dal81 (E val: 0.0000e+00)
 <u>met31</u>	 met31 (E val: 1.1102e-16)
 <u>dig1</u>	 dig1 (E val: 1.0500e-12)

 <u>ste12</u>	 ste12 (E val: 6.5503e-15)
 <u>fkh2</u>	 fkh2 (E val: 1.0500e-12)
 <u>mcm1</u>	 mcm1 (E val: 0.0000e+00)
 <u>ndd1</u>	 ndd1 (E val: 5.3250e-07)
 <u>rlm1</u>	 rlm1 (E val: 0.0000e+00)
 <u>fh1</u>	 fh1 (E val: 0.0000e+00)
 <u>msn4</u>	 msn4 (E val: 3.8873e-11)
 <u>nrg1</u>	 nrg1 (E val: 1.0500e-12)

 <u>mbp1</u>	 mbp1 (E val: 3.8873e-11)
 <u>stb1</u>	 stb1 (E val: 1.1102e-16)
 <u>swi4</u>	 swi4 (E val: 6.5503e-15)
 <u>yap1</u>	 yap1 (E val: 0.0000e+00)
 <u>gat3</u>	 gat3 (E val: 6.5503e-15)
 <u>hsf1</u>	 hsf1 (E val: 3.3200e-04)
 <u>gal4</u>	 gal4 (E val: 1.5438e-01)
 <u>leu3</u>	 leu3 (E val: 2.0663e-04)

Motif Similarity Matches

abf1

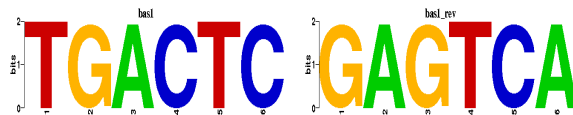


forward

reverse compliment

Name	E value	Alignment	Motif
abf1	3.4913e-09	CGTNNNNARTGAY CGTNNNNARTGAY	
gcn4	2.8258e-03	---RTCAYTNNNNACG WGAGTCAYT-----	
bas1	1.1615e-01	--RTCAYTNNNNACG GAGTCA-----	
sum1	2.9221e-01	RTCAYTNNNNACG- ---WTTWSTGWCRC	
ste12	3.5928e-01	---RTCAYTNNNNACG TGTTTCAT-----	

bas1



forward

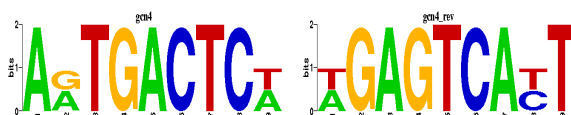
reverse compliment

Name	E value	Alignment	Motif
bas1	3.8873e-11	GAGTCA GAGTCA	

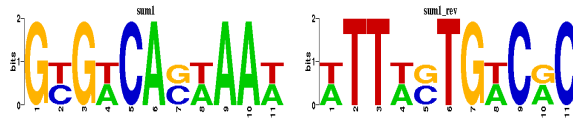
Stamp Results

01/28/11

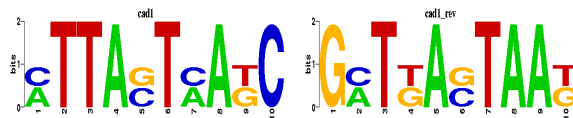
gcn4	1.1768e-08	-GAGTCA-- WGAGTCAYT	
cad1	7.3837e-03	--TGACTC-- GMTKASTAAK	
nrg1	1.5524e-02	-GAGTCA AGGGTCC	
yap6	1.5524e-02	-GAGTCA TTAGTAA	

gcn4*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
gcn4	1.1102e-16	WGAGTCAYT WGAGTCAYT	
bas1	1.1768e-08	WGAGTCAYT -GAGTCA--	
abf1	2.8258e-03	-----ARTGACTCW CGTNNNNARTGAY---	
ste12	1.3174e-02	WGAGTCAYT TGTTTCAT-	
sum1	1.3264e-02	---WGAGTCAYT WTTWSTGWCRC-	

sum1*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
sum1	0.0000e+00	WTTWSTGWCRC WTTWSTGWCRC	
gcn4	1.3264e-02	WTTWSTGWCRC- ---WGAGTCAYT	
yap6	1.5156e-02	GYGWCASWAAW ---TTAGTAA-	
bas1	1.9430e-02	GYGWCASWAAW GAGTCA-----	
swi4	2.1946e-02	-WTTWSTGWCRC TTTTCGTG----	

cad1*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
cad1	0.0000e+00	GMTKASTAAK GMTKASTAAK	
yap6	3.6117e-07	MTTASTMAKC -TTAGTAA--	

Stamp Results

01/28/11

bas1 7.3837e-03

GMTKASTAAK
--TGACTC--



swi5 4.0226e-02

MTTASTMAKC-
-----YCAGCM



yap1 4.1418e-02

GMTKASTAAK
MTTACGTAAK



yap6



forward



reverse compliment

Name

E value

Alignment

Motif

yap6

1.0500e-12

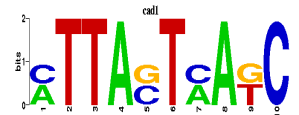
TTAGTAA
TTAGTAA



cad1

3.6117e-07

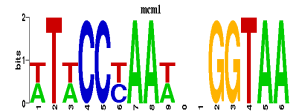
--TTACTAA-
GMTKASTAAK



mcm1

8.3785e-03

-TTACTAA-----
WTTWCCYAAWNNGGTAA



yap1

1.3855e-02

-TTACTAA--
MTTACGTAAK



sum1

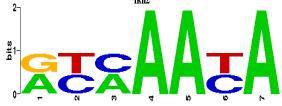
1.5156e-02

-TTACTAA---
WTTWSTGWCRC

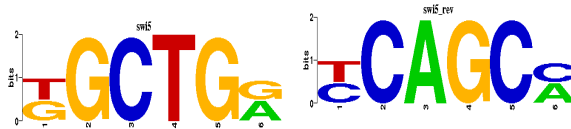


ace2



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ace2	3.8873e-11	ACCAGC ACCAGC	
swi5	2.5340e-05	ACCAGC- -YCAGCM	
nrg1	1.4681e-01	GCTGGT-- -AGGCTCC	
fkx2	1.5612e-01	-GCTGGT TRTTKRY	
cad1	2.1025e-01	GCTGGT---- GMTKASTAAK	

swi5



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
swi5	3.8873e-11	YCAGCM YCAGCM	
ace2	2.5340e-05	-YCAGCM ACCAGC-	
cad1	4.0226e-02	KGCTGR----- -GMTKASTAAK	

Stamp Results

01/28/11

fkx2 4.3464e-02

KGCTGR-
TRITKRY

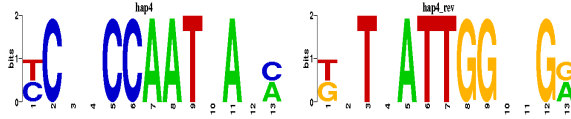


hap4 1.1615e-01

-----KGCTGR
KNTNATTGGNNGR



hap4



forward

reverse compliment

Name

E value

Alignment

Motif

hap4 3.4913e-09

KNTNATTGGNNGR
KNTNATTGGNNGR



swi5 1.1615e-01

YCNNCCAATNANM
YCAGCM-----



fkx2 1.6844e-01

KNTNATTGGNNGR
---TRITKRY---



ste12 3.5928e-01

--KNTNATTGGNNGR
TGTTTCAT-----

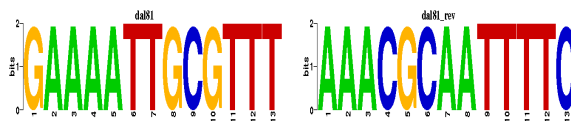


rlm1 3.6255e-01

YCNNCCAATNANM-
----CTAWWWWTAG



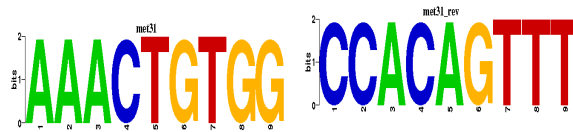
dal81



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
dal81	0.0000e+00	AAACGCAATTTTC AAACGCAATTTTC	
stb1	2.8258e-03	GAAAATTGCGTTT ----TTS GCGTYY	
met31	7.3922e-03	AAACGCAATTTTC --CCACAGTTT--	
swi4	8.2593e-03	AAACGCAATTTTC--- -----TTTTCGTG	
yap1	2.2753e-02	GAAAATTGCGTTT- ----MTTACGTAAK	

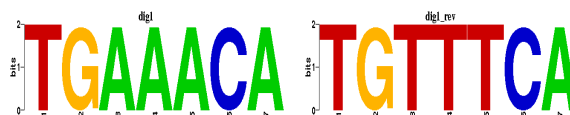
met31*forward**reverse complement*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
met31	1.1102e-16	CCACAGTTT CCACAGTTT	
dal81	7.3922e-03	--CCACAGTTT-- AAACGCAATTTTC	
dig1	3.2348e-02	CCACAGTTT-- ----TGTTTCA	
ste12	6.5519e-02	CCACAGTTT--- ----TGTTTCAT	

sum1

1.9693e-01

—AAACTGTGG—
WTTWSTGWCRC

**dig1***forward**reverse complement**Name**E value**Alignment**Motif*

dig1

1.0500e-12

TGTTTCA
TGTTTCA



ste12

1.2763e-11

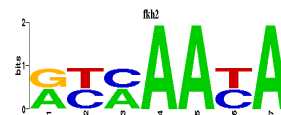
TGTTTCA—
TGTTTCAT



fkh2

5.3262e-03

TGTTTCA
TRTTKRY



swi4

2.0287e-02

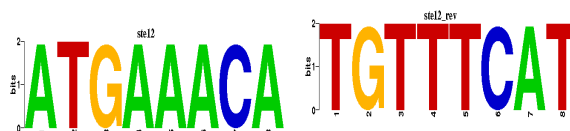
TGTTTCA—
—TTTTCGTG



met31

3.2348e-02

----TGTTTCA
CCACAGTTT--

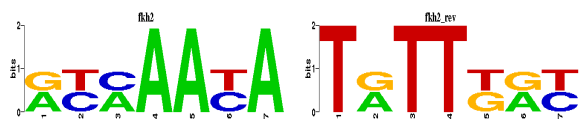
**ste12***forward**reverse complement**Name**E value**Alignment**Motif*

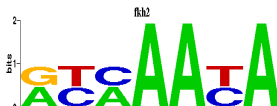
Stamp Results

01/28/11

ste12	6.5503e-15	TGTTTCAT TGTTTCAT	
dig1	1.2763e-11	TGTTTCAT TGTTTCA-	
swi4	3.1086e-03	TGTTTCAT- -TTTTCTG	
fkh2	1.1121e-02	TGTTTCAT TRTTKRY-	
gcn4	1.3174e-02	TGTTTCAT- WGAGTCAYT	

fkh2

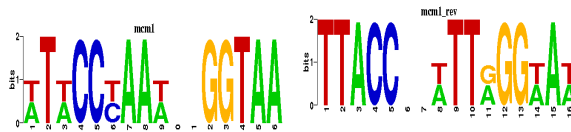
*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
fkh2	1.0500e-12	TRTTKRY TRTTKRY	
dig1	5.3262e-03	TRTTKRY TGTTTCA	
ste12	1.1121e-02	TRTTKRY- TGTTTCAT	
swi5	4.3464e-02	RYMAAYA -YCAGCM	

fhl1

4.8339e-02

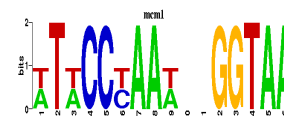
—RYMAAYA—
CAYCCRTACA

**mcm1***forward**reverse compliment**Name**E value**Alignment**Motif*

mcm1

0.0000e+00

TTACCNWTTTRGGWAW
TTACCNWTTTRGGWAW



ndd1

2.8137e-04

TTACCNWTTTRGGWAW
---CCNNWTYNGG---



yap6

8.3785e-03

WTWCCYAAWNNGGTAA
-TTACTAA-----



yap1

2.7291e-02

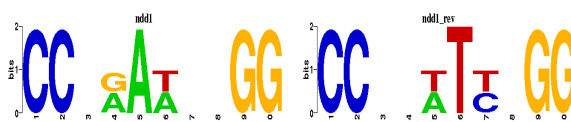
-WTWCCYAAWNNGGTAA
MTTACGTAAK-----



msn4

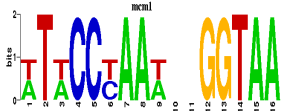
1.5730e-01

TTACCNWTTTRGGWAW
---CCCCTT-----

**ndd1***forward**reverse compliment**Name**E value**Alignment**Motif*

Stamp Results

01/28/11

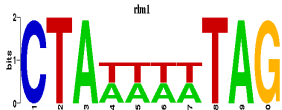
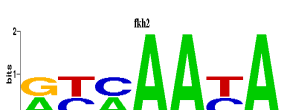
ndd1	5.3250e-07	CCNNWTYNGG CCNNWTYNGG	
mcm1	2.8137e-04	---CCNNWTYNGG--- TTACCNWTTTRGGWAW	
msn4	6.7388e-02	CCNNWTYNGG CCCCTT----	
leu3	2.0159e-01	CCNRAWNNGG CCGNNNNCGG	
swi4	4.5274e-01	CCNNWTYNGG-- ---TTTTCGTG	

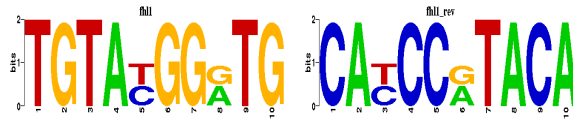
rlm1



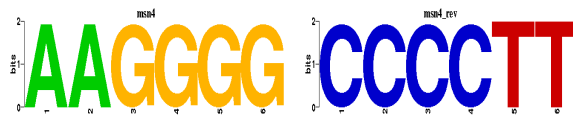
forward

reverse compliment

Name	E value	Alignment	Motif
rlm1	0.0000e+00	CTAWWWWTAG CTAWWWWTAG	
yap6	1.4496e-01	CTAWWWWTAG--- -----TTAGTAA	
dal81	2.1624e-01	----CTAWWWWTAG AAACGCAATTTTC-	
flh2	2.5682e-01	CTAWWWWTAG --RYMAAYA-	
swi4	3.1912e-01	CTAWWWWTAG-- ----TTTTCGTG	

fhl1*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
fhl1	0.0000e+00	CAYCCRTACA CAYCCRTACA	
mbp1	2.9121e-02	CAYCCRTACA -ACGCGT---	
fkx2	4.8339e-02	CAYCCRTACA -RYMAAYA--	
nrg1	1.4496e-01	TGTAYGGRTG- ----AGGGTCC	
yap1	1.7772e-01	TGTAYGGRTG MTTACGTAAK	

msn4*forward**reverse compliment*

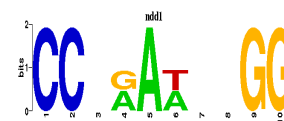
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
msn4	3.8873e-11	CCCCTT CCCCTT	
nrg1	3.3686e-03	AAGGGG- -AGGGTCC	

Stamp Results

01/28/11

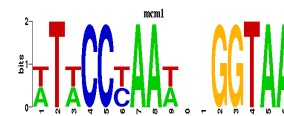
ndd1 6.7388e-02

CCCCCT----
CCNNWTYNGG



mcm1 1.5730e-01

---CCCCCT-----
TTACCNNWTTTGGWAW

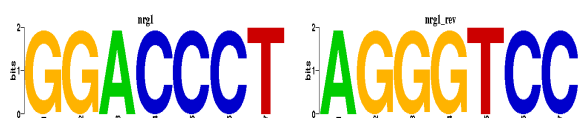


fhl1 2.9012e-01

--CCCCCT--
CAYCCRTACA



nrg1

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

nrg1

1.0500e-12

AGGGTCC
AGGGTCC



msn4

3.3686e-03

GGACCCT--
--CCCCCT



gcn4

1.3282e-02

AGGGTCC--
WGAGTCAYT



bas1

1.5524e-02

AGGGTCC
-GAGTCA



stb1

5.7498e-02

--AGGGTCC
TTSGCGTYT



mbp1

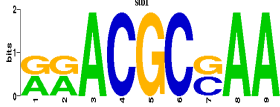
Stamp Results

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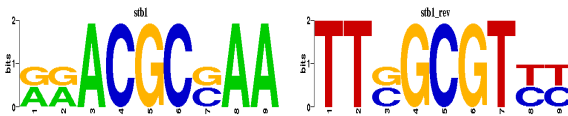


forward

reverse compliment

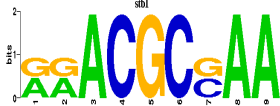
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
mbp1	3.8873e-11	ACGCGT ACGCGT	
stb1	5.5510e-04	-ACGCGT-- TTSGCGTYY	
fhl1	2.9121e-02	-ACGCGT--- CAYCCRTACA	
dal81	2.9402e-02	--ACGCGT----- AAACGCAATTTTC	
swi4	1.9854e-01	-ACGCGT- TTTTCGTG	

stb1



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
stb1	1.1102e-16	TTSGCGTYY TTSGCGTYY	
mbp1	5.5510e-04	RRACGCSAA --ACGCGT-	

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dal81 2.8258e-03

----TTSGCGTYY
GAAAATTGCGTTT



swi4 3.1053e-02

--TTSGCGTYY
TTTTCGTG---



nrg1 5.7498e-02

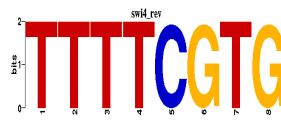
TTSGCGTYY
--AGGGTCC



swi4



forward



reverse compliment

Name

E value

Alignment

Motif

swi4 6.5503e-15

TTTTCGTG
TTTTCGTG



ste12 3.1086e-03

-TTTTCGTG
TGTTTCAT-



dal81 8.2593e-03

-----TTTTCGTG
AAACGCAATTTT---



yap1 1.0831e-02

TTTTCGTG--
MTTACGTAAK



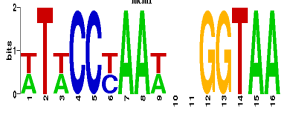
dig1 2.0287e-02

-TTTTCGTG
TGTTTCA--

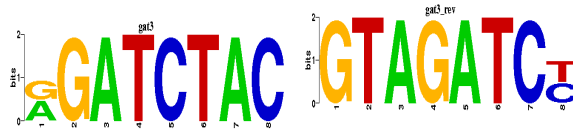


yap1



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
yap1	0.0000e+00	MTTACGTAAK MTTACGTAAK	
swi4	1.0831e-02	MTTACGTAAK TTTTCGTG--	
yap6	1.3855e-02	MTTACGTAAK --TTAGTAA--	
dal81	2.2753e-02	MTTACGTAAK---- -AAACGCAATTTTC	
mcm1	2.7291e-02	-----MTTACGTAAK TTACCNNWTTTRGGWAW-	

gat3



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
gat3	6.5503e-15	GTAGATCY GTAGATCY	
nrg1	1.8861e-01	-RGATCTAC AGGGTCC--	
yap6	3.0607e-01	---GTAGATCY TTAGTAA----	

Stamp Results

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fkh2 3.1912e-01

RGATCTAC
-TRTTKRY

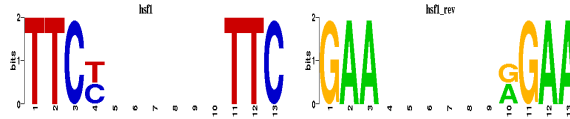


fhl1 4.0231e-01

-----GTAGATCY
CAYCCRTACA---



hsf1



forward

reverse compliment

Name

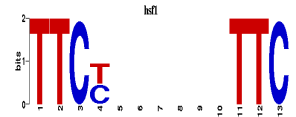
E value

Alignment

Motif

hsf1 3.3200e-04

GAANNNNNNRGAA
GAANNNNNNRGAA



dig1 5.5941e-01

---TTCYNNNNNNNTTC
TGTTTCA-----



gat3 6.7947e-01

---TTCYNNNNNNNTTC
GTAGATCY-----



ste12 6.7947e-01

---TTCYNNNNNNNTTC
TGTTTCAT-----

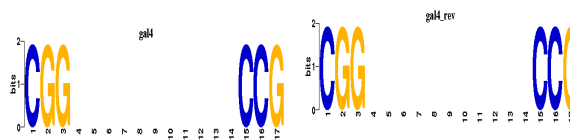


swi4 6.7947e-01

--TTCYNNNNNNNTTC
TTTTCGTG-----



gal4

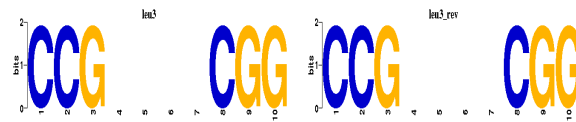


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
gal4	1.5438e-01	CGGNNNNNNNNNNNNCCG CGGNNNNNNNNNNNNCCG	
leu3	8.9750e-01	-----CGGNNNNNNNNNNNNCCG CCGNNNNCCG-----	
ace2	9.5579e-01	CGGNNNNNNNNNNNNCCG-- -----ACCAGC	
mbp1	9.5579e-01	-CGGNNNNNNNNNNNNCCG ACGCGT-----	
msn4	9.5579e-01	CGGNNNNNNNNNNNNCCG--- -----CCCCTT	

leu3

*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
leu3	2.0663e-04	CCGNNNNCCG CCGNNNNCCG	
ndd1	2.0159e-01	CCGNNNNCCG CCNNWTYNGG	
mcm1	7.3812e-01	---CCGNNNNCCG--- TTACCNNWTRGGWAW	
ace2	8.5980e-01	-CCGNNNNCCG ACCAGC-----	

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mbp1

8.5980e-01

CCGNNNNCGG
ACGCGT-----



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