

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

Input file: [25 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)

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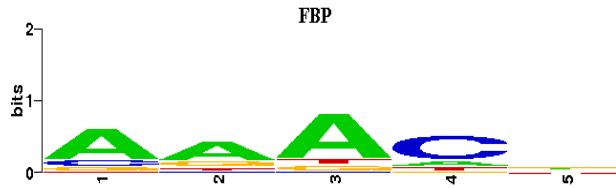
Motif1:      ---AGCAGACGA----
Motif2:      --GTATAAAARG----
Motif3:      ----GCAGWNGNCW--
Motif4:      -----RACTGA---
Motif5:      ----GGCAACNYNG--
Motif6:      ----CYAGATGGCG--
Motif7:      --GKAGATACTC----
Motif8:      -TATAAAAACC-----
Motif9:      ATCTGGCAAC-----
Motif10:     ---TRRNANNGN----
Motif11:     ---TGTAACAA----
Motif12:     -CCGCTAGAGG-----
Motif13:     -KRNNKNNR-----
Motif14:     -----AAAATGGCGG
Motif15:     --AGCGCCACCT----
Motif16:     TCGAMTGANC-----
Motif17:     -----TAAACAGTA--
Motif18:     -GWGASAAAAR-----
Motif19:     --TGTCAAA-----
Motif20:     -TATCAAAACA-----
Motif21:     -----AAACTCATTA
Motif22:     -----NATCAGCTGW
Motif23:     ATACTGACAC-----

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Motif24: --GGAGGAAGGG----

Motif25: ---CAGAAGCGTG---

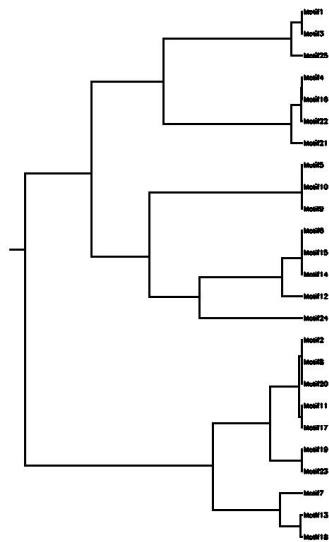
Familial Profile:
(click for matrix)



Motif Tree

Tree (drawn by **Phylip**)









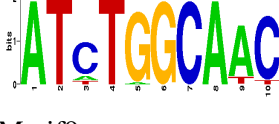

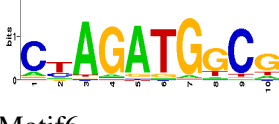

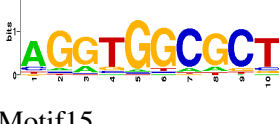



[Click here for Newick-format tree \(viewable with MEGA\)](#)



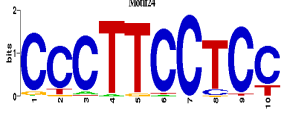





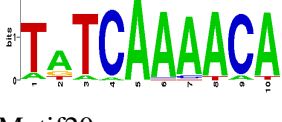

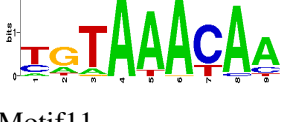



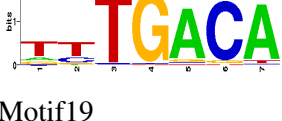



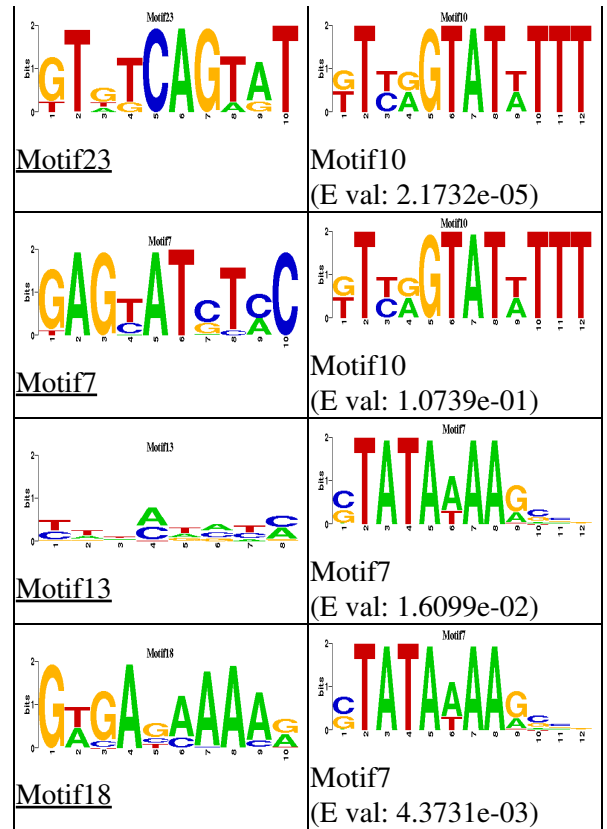
Input Motif

Best match in
user-defined

<p>Motif1</p>	<p>Motif8 (E val: 2.5636e-01)</p>
<p>Motif3</p>	<p>Motif6 (E val: 6.2289e-02)</p>
<p>Motif25</p>	<p>Motif2 (E val: 4.6067e-02)</p>
<p>Motif4</p>	<p>Motif6 (E val: 8.3818e-09)</p>
<p>Motif16</p>	<p>Motif6 (E val: 2.4534e-04)</p>

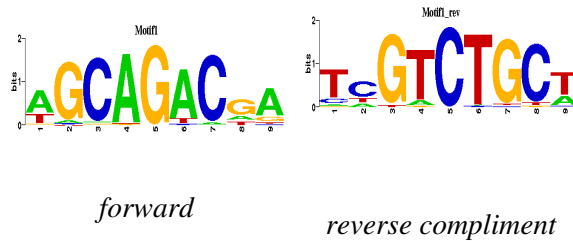
 <p>Motif22</p>	 <p>Motif5 (E val: 7.8074e-11)</p>
 <p>Motif21</p>	 <p>Motif6 (E val: 5.8401e-02)</p>
 <p>Motif5</p>	 <p>Motif12 (E val: 5.7616e-08)</p>
 <p>Motif10</p>	 <p>Motif12 (E val: 3.1262e-05)</p>
 <p>Motif9</p>	 <p>Motif12 (E val: 4.1170e-07)</p>
 <p>Motif6</p>	 <p>Motif3 (E val: 2.7441e-02)</p>
 <p>Motif15</p>	 <p>Motif9 (E val: 5.1253e-03)</p>
 <p>Motif14</p>	 <p>Motif10 (E val: 3.1528e-02)</p>

 <p>Motif12</p>	 <p>Motif9 (E val: 1.9761e-01)</p>
 <p>Motif24</p>	 <p>Motif13 (E val: 1.5105e-03)</p>
 <p>Motif2</p>	 <p>Motif7 (E val: 7.4784e-10)</p>
 <p>Motif8</p>	 <p>Motif7 (E val: 3.5228e-06)</p>
 <p>Motif20</p>	 <p>Motif7 (E val: 4.4048e-03)</p>
 <p>Motif11</p>	 <p>Motif7 (E val: 3.6161e-02)</p>
 <p>Motif17</p>	 <p>Motif5 (E val: 3.3936e-02)</p>
 <p>Motif19</p>	 <p>Motif7 (E val: 5.0438e-02)</p>



Motif Similarity Matches

Motif1



Name

E value

Alignment

Motif

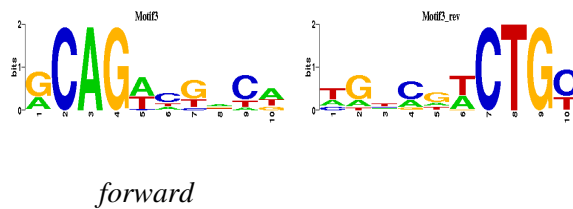
Motif8

2.5636e-01

TCGTCTGCT
ANRWCY---



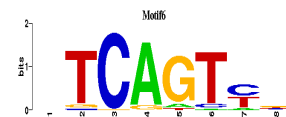
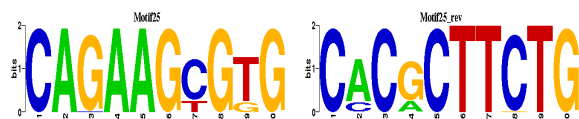
Motif3



reverse compliment

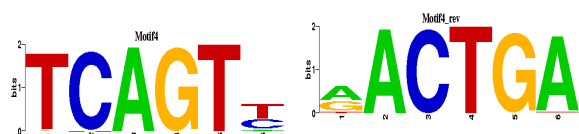
Name	E value	Alignment	Motif
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Motif6	6.2289e-02	WGN CNWCTGC— ---NR ACTGAN	
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**Motif25***forward**reverse compliment*

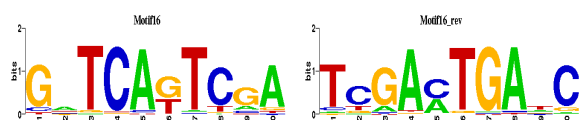
Name	E value	Alignment	Motif
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Motif2	4.6067e-02	-CACGCTTCTG SSR CGCC----	
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**Motif4***forward**reverse compliment*

Name	E value	Alignment	Motif
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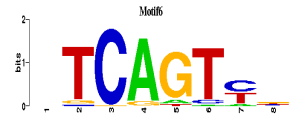
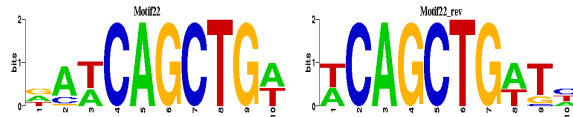
Motif6	8.3818e-09	-TCAGTY— NTCAGTYN	
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**Motif16**

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

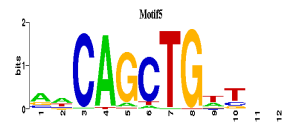
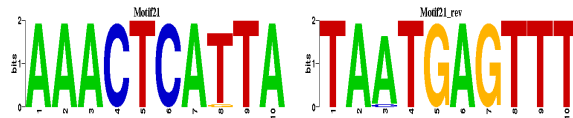
Motif6

2.4534e-04

TCGAMTGANC
-NRACTGAN-**Motif22***forward**reverse compliment**Name**E value**Alignment**Motif*

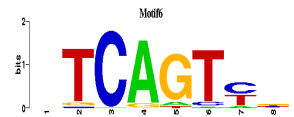
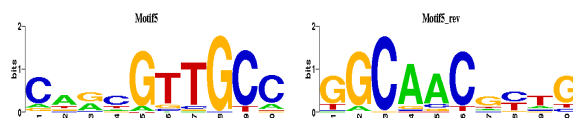
Motif5

7.8074e-11

-NATCAGCTGW-
NNRNCAGCTGNN**Motif21***forward**reverse compliment**Name**E value**Alignment**Motif*

Motif6

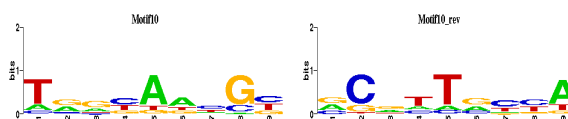
5.8401e-02

AAATCATTA
NRACTGAN--**Motif5***forward*

reverse compliment

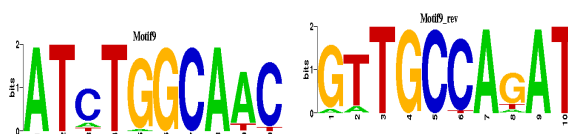
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Motif12	5.7616e-08	<div> <div>----</div> <div>GGCAACNYNG--</div> <div>MKSYGGCARGCSYSS</div> </div>	
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**Motif10***forward**reverse compliment*

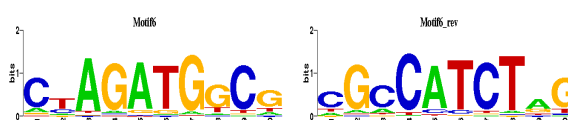
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Motif12	3.1262e-05	<div> <div>---</div> <div>TRRNANNGN---</div> <div>MKSYGGCARGCSYSS</div> </div>	
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**Motif9***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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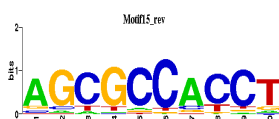
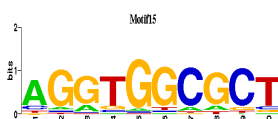
Motif12	4.1170e-07	<div> <div>-----</div> <div>GTGCCAGAT</div> <div>SSRSCGYTGCCRSMK</div> </div>	
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**Motif6***forward*

reverse compliment

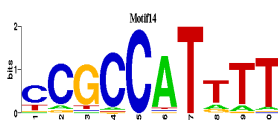
Name	E value	Alignment	Motif
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Motif3	2.7441e-02	CYAGATGGCG NTTTATGRCN	
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**Motif15***forward**reverse compliment*

Name	E value	Alignment	Motif
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Motif9	5.1253e-03	AGGTGGCGCT-- --GTTSSGYTSG	
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**Motif14***forward**reverse compliment*

Name	E value	Alignment	Motif
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Motif10	3.1528e-02	-AAAATGGCGG- AAAWATACYRAM	
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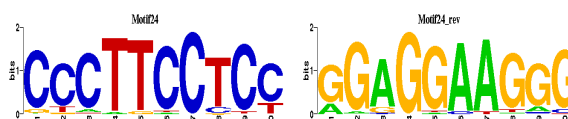
**Motif12**

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

Motif9

1.9761e-01

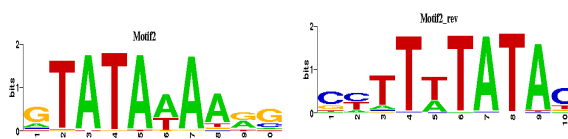
---CCGCTAGAGG
GTTSSGYTSG---

**Motif24***forward**reverse compliment**Name**E value**Alignment**Motif*

Motif13

1.5105e-03

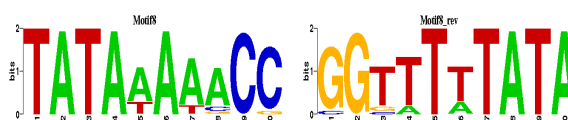
CCCTTCCTCC
YYCTTTY--

**Motif2***forward**reverse compliment**Name**E value**Alignment**Motif*

Motif7


7.4784e-10

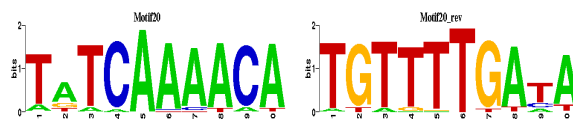
--CYTTTTATAC
NNSCTTTTATAS

**Motif8***forward*

reverse compliment

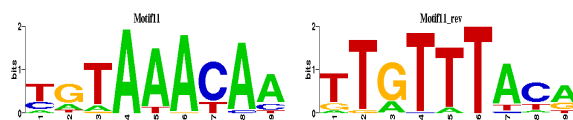
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Motif7	3.5228e-06	-GGTTTTTATA- NNSCTTTTATAS	
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**Motif20***forward**reverse compliment*

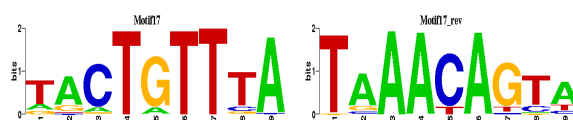
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Motif7	4.4048e-03	-TGTTTIGATA- NNSCTTTTATAS	
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**Motif11***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Motif7	3.6161e-02	-TGTAACAA-- STATAAAAGSNN	
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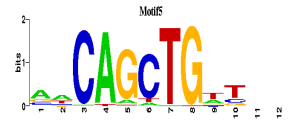
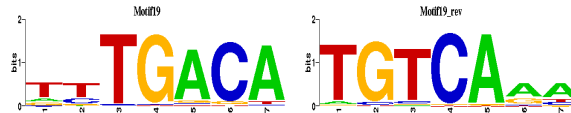
**Motif17**

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

Motif5

3.3936e-02

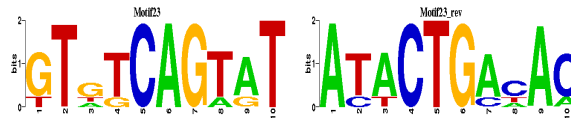
-----TACTGTTTA
NNRNCAGCTGNN--

**Motif19***forward**reverse compliment**Name**E value**Alignment**Motif*

Motif7

5.0438e-02

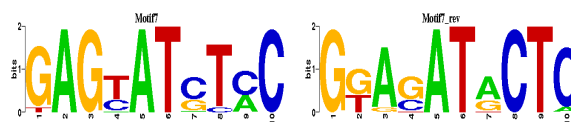
----TTTGACA--
NNSCTTTTATAS

**Motif23***forward**reverse compliment**Name**E value**Alignment**Motif*

Motif10

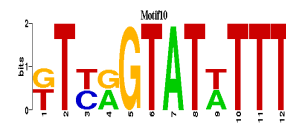
2.1732e-05

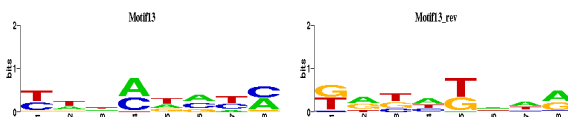
----ATACTGACAC
AAAWATACYRAM--

**Motif7***forward*

reverse compliment

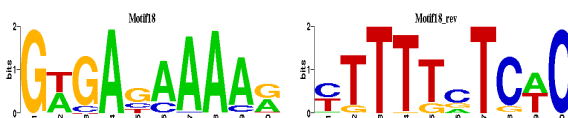
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Motif10	1.0739e-01	GKAGATACTC-- AAAWATACYRAM	
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**Motif13***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Motif7	1.6099e-02	---YNNMNNYM-- NNSCTTTTATAS	
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**Motif18***forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Motif7	4.3731e-03	---YTTTTSTCWC NNSCTTTTATAS-	
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