Jump to: Multiple Alignment Motif Tree Motif Matching
Input file: 8 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".
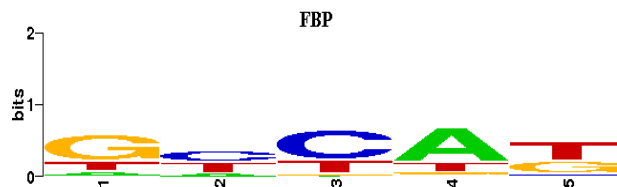Download results as a PDF
Click here to run STAMP again.

Multiple Alignment

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

```
Motif1:              ------CGCTAGA----
Motif2:              -----GGGTNRNMAAMA
Motif3:              ------MGMCTTTTCTC
Motif4:              ------CTTCAGGG---
Motif5:              -----CAGTY-------
Motif6:              CRRCGTTGCCA------
Motif7:              ------TTTTATA----
Motif8:              -------GCCATCT---
```
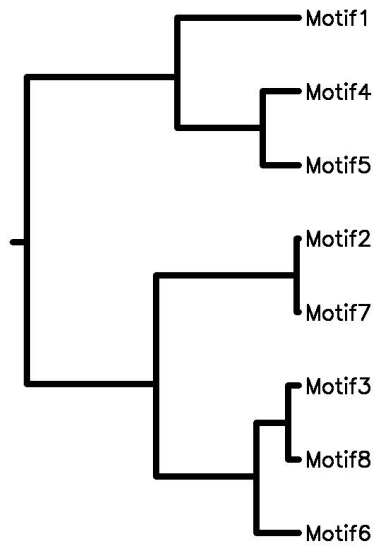
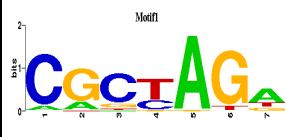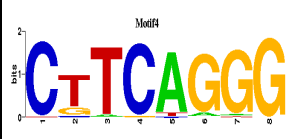**Familial Profile:**
(click for matrix)

Motif Tree
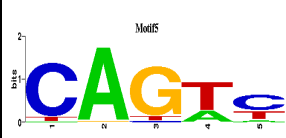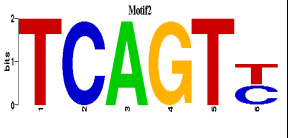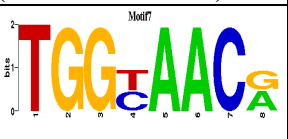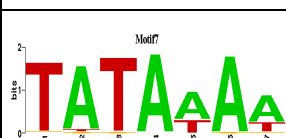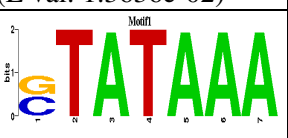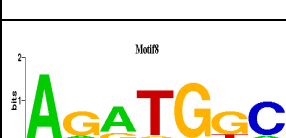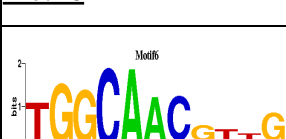
Tree (drawn by Phylip) Click here for Newick-format tree (viewable with MEGA)	**Input Motif**	**Best match in user-defined**

Motif1	Motif11 (E val: 1.8585e-02)
Motif4	Motif2 (E val: 6.5157e-03)
Motif5	Motif2 (E val: 1.0256e-06)
Motif2	Motif7 (E val: 1.3636e-02)
Motif7	Motif1 (E val: 6.3114e-08)
Motif3	Motif13 (E val: 5.9374e-02)
Motif8	Motif8 (E val: 3.8055e-02)
Motif6	Motif7 (E val: 3.7324e-09)

Motif Similarity Matches

Motif1
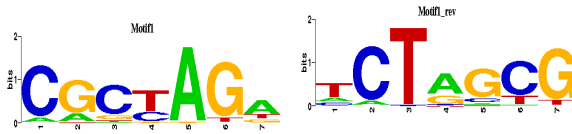
forward   *reverse compliment*

Name	E value	Alignment	Motif
Motif11	1.8585e-02	CGCTAGA CGCTCTC	
Motif8	3.0811e-02	TCTAGCG--- --TAGNGRTG	
Motif14	7.1196e-02	TCTAGCG-- --TATCGAT	
Motif1	1.3156e-01	--TCTAGCG TTTATAS--	
Motif12	1.4128e-01	-TCTAGCG YGRCRKCG	
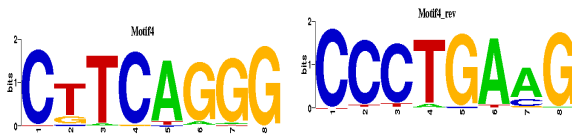
Motif4

forward   *reverse compliment*

Name	E value	Alignment	Motif
Motif2	6.5157e-03	CCCTGAAG RACTGA--	

Motif6	2.0644e-02	CTTCAGGG--- ----AGGGYTG	
Motif5	8.9839e-02	-CTTCAGGG ACGTCCG--	
Motif15	1.1487e-01	CTTCAGGG- -WWSAGCTG	
Motif3	3.0809e-01	-CCCTGAAG CGAATGA--	
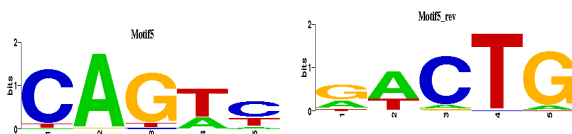
forward   *reverse compliment*

Motif5

Name	*E value*	*Alignment*	*Motif*
Motif2	1.0256e-06	RACTG- RACTGA	
Motif3	1.1514e-02	-RACTG- CGAATGA	
Motif6	1.1478e-01	CAGTY-- CARCCCT	
Motif15	1.2168e-01	---RACTG WWSAGCTG	
Motif5	1.5831e-01	--RACTG CGGACGT	

Motif2
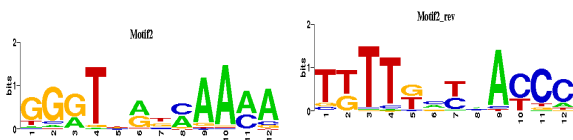
forward   *reverse compliment*

Name	E value	Alignment	Motif
Motif7	1.3636e-02	GGGTNRNMAAMA -YGTTRCCA---	
Motif6	3.3069e-02	-GGGTNRNMAAMA AGGGYTG------	
Motif1	4.2125e-02	TKTTKNYNACCC --TTTATAS---	
Motif9	5.5703e-02	TKTTKNYNACCC ----GGYCACAC	
Motif4	1.4737e-01	TKTTKNYNACCC- -----MSAACCGM	
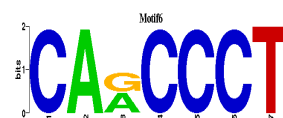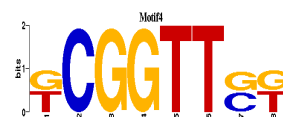
Motif7
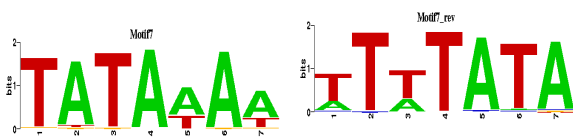
forward   *reverse compliment*

Name	E value	Alignment	Motif
Motif1	6.3114e-08	TTTTATA- -TTTATAS	
Motif14	1.5697e-01	TATAAAA TATCGAT	

Motif10	2.6611e-01	TTTTATA- TGGTATTT	
Motif13	2.8507e-01	--TTTTATA AGCTTTC--	
Motif3	4.8301e-01	--TATAAAA CGAATGA--	

Motif3
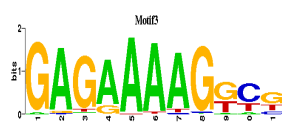
forward
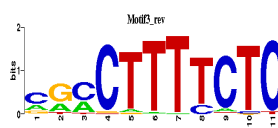
reverse compliment

Name	*E value*	*Alignment*	*Motif*
Motif13	5.9374e-02	MGMCTTTTCTC -AGCTTTC---	
Motif11	6.3833e-02	GAGAAAAGKCK GAGAGCG----	
Motif1	1.3972e-01	MGMCTTTTCTC- -----TTTATAS	
Motif6	2.7884e-01	GAGAAAAGKCK- -----AGGGYTG	
Motif2	2.9074e-01	MGMCTTTTCTC -RACTGA----	

Motif8

forward

reverse compliment

Name	E value	Alignment	Motif
Motif8	3.8055e-02	```---AGATGGC``` ```TAGNGRTG--```	
Motif12	4.0039e-02	```AGATGGC-``` ```YGRCRKCG```	
Motif11	7.8586e-02	```-GCCATCT``` ```CGCTCTC-```	
Motif7	8.1266e-02	```----GCCATCT``` ```YGTTRCCA---```	
Motif9	8.9348e-02	```AGATGGC-``` ```GTGTGRCC```	

Motif6
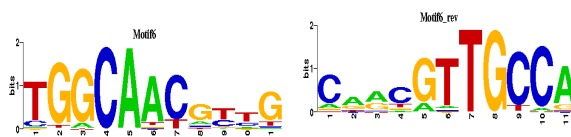
forward

reverse compliment

Name	E value	Alignment	Motif
Motif7	3.7324e-09	```CRRCGTTGCCA``` ```---YGTTRCCA```	
Motif12	9.2843e-04	```TGGCAACGYYG``` ```YGRCRKCG---```	

Motif6	1.4483e-02	CRRCGTTGCCA -AGGGYTG---	
Motif9	5.9316e-02	CRRCGTTGCCA --GTGTGRCC-	
Motif13	1.0532e-01	CRRCGTTGCCA -AGCTTTC---	

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STAMP is written by Shaun Mahony