

For further information on how to interpret these results or to get a copy of the MEME software please access <a href="http://meme.nbcr.net">http://meme.nbcr.net</a>.

If you use TOMTOM in your research, please cite the following paper:

Shobhit Gupta, JA Stamatoyannopolous, Timothy Bailey and William Stafford Noble, "Quantifying similarity between motifs", *Genome Biology*, **8**(2):R24, 2007. [full text]

**QUERY MOTIFS** | TARGET DATABASES | MATCHES | SETTINGS | PROGRAM INFORMATION

QUERY MOTIFS

Next Top

•					
Database	Name	Alt. Name	Preview	Matches	
motif group6	motif_10_3	4- TGGCAACGYTGY	Ţ <mark>ĠĞĊŸŸĊċĕĔ<mark>Ĕ</mark></mark>	9	MA0365.: UP00084
motif group6	motif_Train1_3	5- TGGCAACGYTGC	Ţ <mark>ĨĠĠĊŸ</mark> ŶĊ <sup>ĸĸĨĕ</sup> Ĩ	8	MA0365.: UP00084
motif group6	motif_Train2_3	4- TGGCAACGTTGC	<b>ŢĠĠĊ</b> ĄĄĊĠヹ <sup>ĸ</sup> Ġ	12	MA0365.: UP00084
motif group6	motif_Train4_3	4- TGGCAACGYTGH	ŢĠĠĊŊġĊ	9	MA0365.; UP00084
motif group6	motif_Train5_3	4- TGGCAACGYTGH	ij <mark>ĬĠĕĊŸŸĊ</mark> **^å	9	MA0365.; UP00084
motif group6	motif_Train6_3	4- TGGCAACGYTGY	ij <mark>ŢĠĞĊŸŸ</mark> ĊŦŦĔŦ	9	MA0365.; UP00084
motif group6	motif_Train7_3	5- TGGCAACGYTGY	<b>ij</b> ŢĠĠĊŊĠĊ	9	MA0365.; UP00084
motif group6	motif_Train8_3	5- TGGCAACGYTGY	ij <mark>ŢĠĞĊŸŸĊ</mark> ÷÷ŶĠ	10	MA0365.; UP00084
motif group6	motif_Train9_3	4- TGGCAACGYTGN	Ţ <mark>ĠĠĊŅŸĊ</mark>	9	MA0365.: UP00084

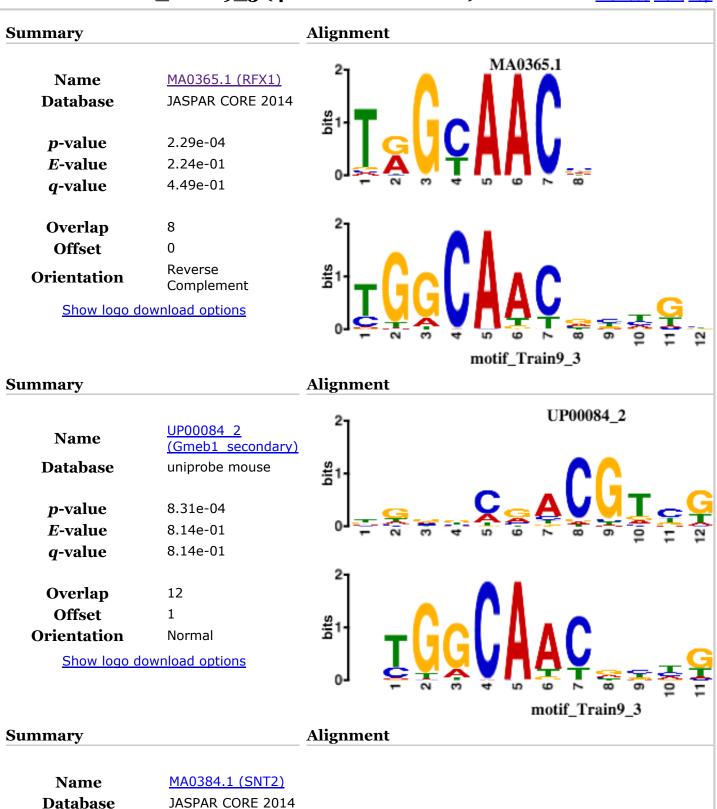
TARGET DATABASES

Previous Next Top

Database	Used	Matched
uniprobe mouse	386	2
JASPAR CORE 2014	593	13

## MATCHES TO MOTIF\_TRAIN9\_3 (4-TGGCAACGYTGN)

Previous Next Top



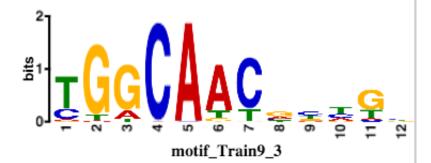
*p*-value 2.25e-03*E*-value 2.20e+00*q*-value 1.00e+00

Overlap 11 Offset 0

**Orientation** Normal

Show logo download options





#### **Summary**

## Alignment

Name MA0262.1 (mab-3)
Database JASPAR CORE 2014

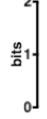
p-value2.60e-03E-value2.55e+00q-value1.00e+00

Overlap 10 Offset 3

**Orientation**Reverse
Complement

Show logo download options







#### **Summary**

#### Alignment

Name	<u>MA0097.1</u>
	<u>(bZIP911)</u>
Database	JASPAR CORE 2014

 p-value
 4.09e-03

 E-value
 4.00e+00

 q-value
 1.00e+00

Overlap 11 Offset -1

**Orientation** Reverse Complement





#### **Summary** Alignment

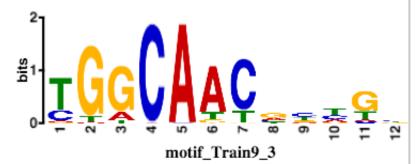
Name	MA0406.1 (TEC1)
Database	JASPAR CORE 2014

p-value4.53e-03E-value4.44e+00q-value1.00e+00

Overlap 8
Offset -1
Orientation Reverse
Complement

Show logo download options





#### Summary

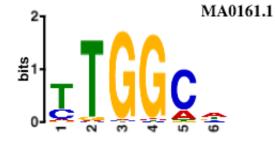
## Alignment

Name	MA0161.1 (NFIC)
Database	JASPAR CORE 2014

p-value6.16e-03E-value6.03e+00q-value1.00e+00

Overlap 5
Offset 1
Orientation Normal

Show logo download options





#### **Summary**

#### Alignment

Name MA0509.1 (Rfx1)
Database JASPAR CORE 2014

*p*-value 7.10e-03*E*-value 6.95e+00*q*-value 1.00e+00

Overlap 7



Show logo download options







motif\_Train9\_3

## **Summary** Alignment

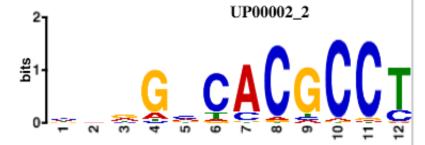
Name	<u>UP00002 2</u>	
	(Sp4 secondary)	
Database	uniprobe mouse	

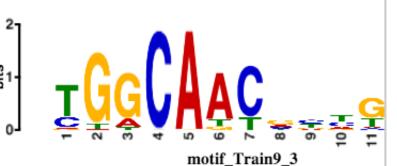
p-value9.69e-03E-value9.49e+00q-value1.00e+00

Overlap 12 Offset 1

**Orientation**Reverse
Complement

Show logo download options





## MATCHES TO MOTIF\_TRAIN5\_3 (4-TGGCAACGYTGH)

Previous Next Top

## **Summary** Alignment

Name MA0365.1 (RFX1)

Database JASPAR CORE 2014

*p***-value** 1.96e-04

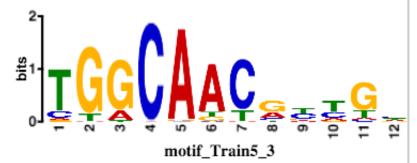
> E-value 1.92e-01 q-value 3.84e-01

Overlap 8 Offset 0

Reverse Orientation Complement

Show logo download options





#### **Summary**

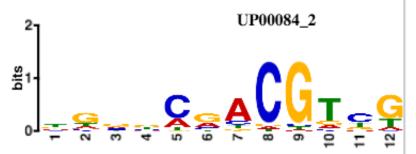
#### Alignment

UP00084 2 Name (Gmeb1 secondary) **Database** uniprobe mouse

p-value 1.06e-03 E-value 1.04e + 00q-value 8.66e-01

Overlap 12 **Offset** 1 Orientation Normal

Show logo download options





motif\_Train5\_3

#### **Summary**

## **Alignment**

Name	MA0384.1 (SNT2)
Database	JASPAR CORE 2014

p-value 1.67e-03 E-value 1.64e+00 q-value 8.66e-01

Overlap 11 Offset 0 Orientation Normal

Show logo download options





#### **Summary** Alignment

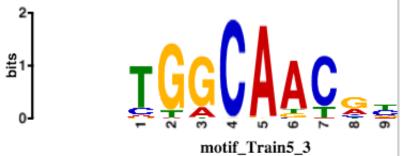
Name	MA0262.1 (mab-3)
Database	JASPAR CORE 2014

p-value1.77e-03E-value1.73e+00q-value8.66e-01

Overlap 10
Offset 3
Orientation Reverse

Show logo download options





## **Summary** Alignment

Complement

Name	MA0161.1 (NFIC)
Database	JASPAR CORE 2014

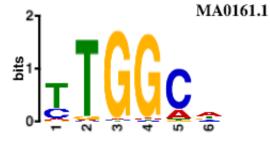
p-value4.35e-03E-value4.26e+00q-value1.00e+00

Overlap 5
Offset 1
Orientation Normal

E-value

q-value

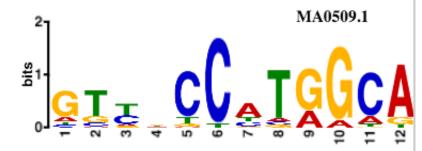
Show logo download options





## **Summary** Alignment

Name	MA0509.1 (Rfx1)
Database	JASPAR CORE 2014
<i>p</i> -value	6.33e-03



6.20e+00

1.00e+00

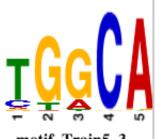
> **Overlap** 7 Offset 7

Orientation Normal

Show logo download options



Alignment



motif\_Train5\_3

#### **Summary**

MA0406.1 (TEC1) Name **Database** JASPAR CORE 2014

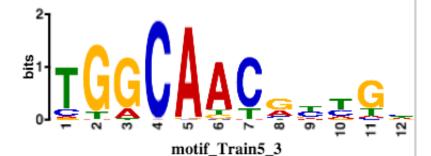
*p*-value 6.91e-03 6.76e+00 E-value 1.00e+00 q-value

**Overlap** 8 Offset -1

Reverse Orientation Complement

Show logo download options





Summary

### **Alignment**

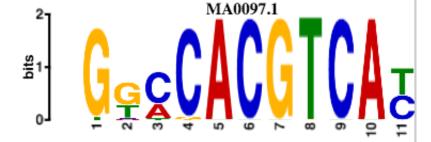
MA0097.1 Name (bZIP911) **Database** JASPAR CORE 2014

*p*-value 7.13e-03 E-value 6.98e+00 1.00e+00 q-value

**Overlap** 11 Offset -1

Reverse Orientation Complement

Show logo download options





Alignment

**Summary** 

UP00002 2 Name (Sp4 secondary)

**Database** uniprobe mouse

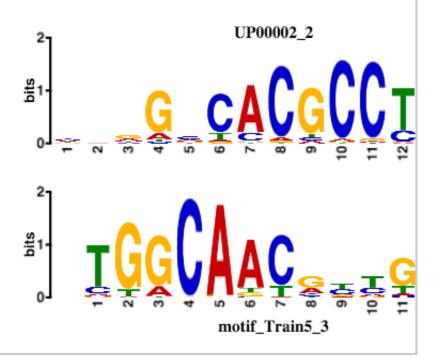
p-value 9.22e-03
 E-value 9.03e+00
 q-value 1.00e+00

Overlap 12 Offset 1

**Orientation** Reverse

Complement

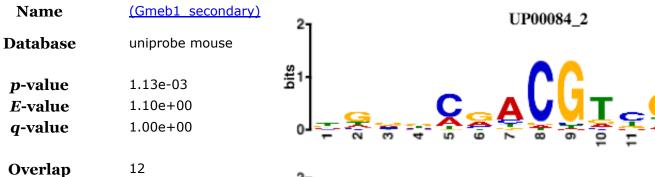
Show logo download options



## MATCHES TO MOTIF\_TRAIN6\_3 (4-TGGCAACGYTGY)

Previous Next Top

Summary		Alignment	
Name	MA0365.1 (RFX1)	<sup>2</sup> ] MA03	65.1
Database	JASPAR CORE 2014	£1 <b>T</b>	r
<i>p</i> -value	2.67e-04		l i
<i>E</i> -value	2.61e-01	. ↓LAVTUU	<b>V</b>
<i>q</i> -value	5.23e-01	- 2 E 4 G 9	8
Overlap	8	21	
Offset	0	<b>∧ ∧</b>	
Orientation	Reverse Complement		<u>C</u>
Show logo de	ownload options	9 <del>12</del>	보통투로를
		motif_Tr	rain6_3
Summary		Alignment	
	<u>UP00084_2</u>		



Alignment

**Offset** 1 Orientation Normal

Show logo download options



#### **Summary**

Name	MA0384.1 (SNT2)
Database	JASPAR CORE 2014

*p*-value 2.17e-03 E-value 2.12e+00 q-value 1.00e+00

**Overlap** 11 **Offset** 0 Orientation Normal

Show logo download options





#### **Summary**

## **Alignment**

Name Database	MA0262.1 (mab-3) JASPAR CORE 2014	<sup>2</sup> MA0262.1 → MA0262.1 → MA0262.1
<i>p</i> -value	3.69e-03	
<i>E</i> -value	3.61e+00	▗ <u>⋛</u> ┰⋩⋛♥♥♥⋂⋂♥⋂↓
<i>q</i> -value	1.00e+00	2 6 4 5 9 6 11 21
Overlap	10	2]
Offset	3	
Orientation	Reverse Complement	±1-1 <b>T</b> CC
Show logo de	ownload options	IUUUAAC

Lo



#### motif\_Train6\_3

#### **Summary**

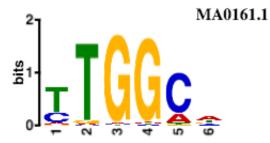
### Alignment

Name	MA0161.1 (NFIC)
Database	JASPAR CORE 2014

p-value5.83e-03E-value5.71e+00q-value1.00e+00

Overlap 5
Offset 1
Orientation Normal

Show logo download options





#### **Summary**

## Alignment

Name	MA0406.1 (TEC1)
<b>Database</b>	JASPAR CORE 2014

p-value7.28e-03E-value7.13e+00q-value1.00e+00

Overlap 8
Offset -1
Orientation Reverse
Complement

Show logo download options





#### **Summary**

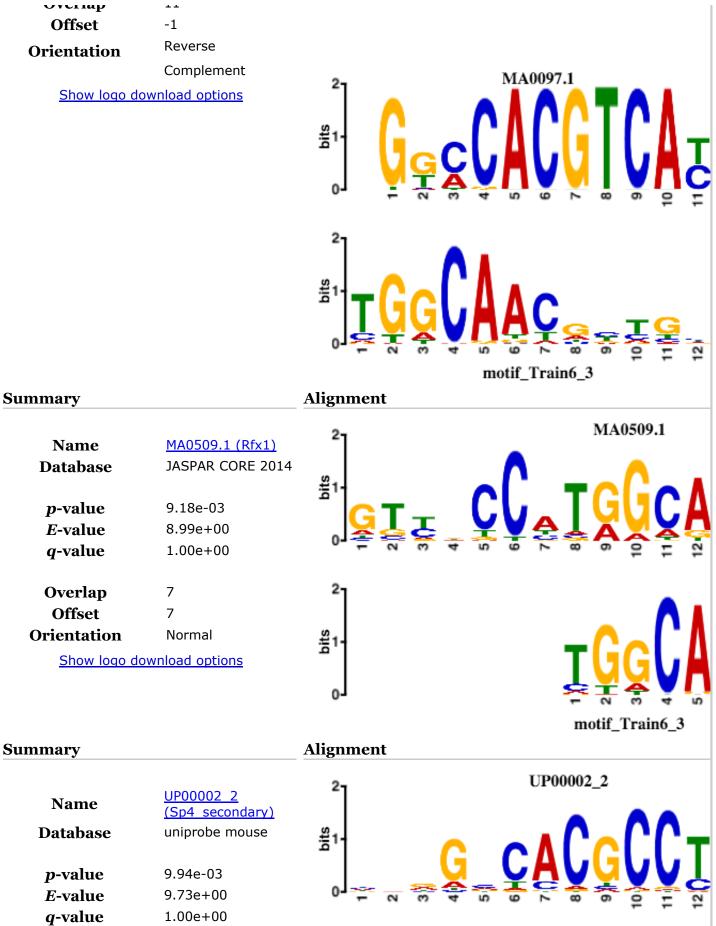
#### Alignment

Name  $\frac{\text{MA0097.1}}{\text{(bZIP911)}}$ 

**Database** JASPAR CORE 2014

*p*-value 7.51e-03*E*-value 7.35e+00*q*-value 1.00e+00

Overlan



12

**Overlap** 

Offset

Orientation

Reverse Complement

Show logo download options

## MATCHES TO MOTIF\_TRAIN1\_3 (5-TGGCAACGYTGC)

Previous Next Top

#### Alignment **Summary** MA0365.1 Name MA0365.1 (RFX1) **Database** JASPAR CORE 2014 *p*-value 4.70e-04 E-value 4.60e-01 *q*-value 9.20e-01 Overlap 8 **Offset** 0 Reverse Orientation Complement Show logo download options motif\_Train1\_3

## **Summary** Alignment

Nomo	<u>UP00084_2</u>	2	UP00084_2
Name	(Gmeb1 secondary)		
Database	uniprobe mouse	pits	
<i>p</i> -value	2.77e-03		<u> </u>
E-value	2.71e+00	07==	2 6 6 6 6 7 8 9 9 7 8
<i>q</i> -value	1.00e+00		
		2	_
Overlap	12		
Offset	1	ss.	
Orientation	Normal	aits 1-	TGGLAAC
Show logo do	ownload options	٥	~
			motif_Train1_3

**Summary** Alignment

Name MA0384.1 (SNT2)
Database JASPAR CORE 2014

*p*-value 2.99e-03*E*-value 2.92e+00*q*-value 1.00e+00

Overlap 11 Offset 0

**Orientation** Normal

Show logo download options





#### **Summary**

Name MA0262.1 (mab-3)
Database JASPAR CORE 2014

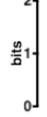
p-value5.21e-03E-value5.10e+00q-value1.00e+00

Overlap 10 Offset 3

Orientation Reverse Complement

Show logo download options





Alignment



#### **Summary**

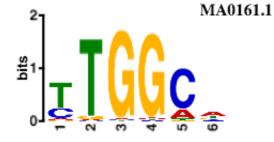
#### Alignment

Name	MA0161.1 (NFIC)
Database	JASPAR CORE 2014
<i>p</i> -value	6.27e-03

*E*-value 6.14e+00 **q**-value 1.00e+00

Overlap 5
Offset 1
Orientation Normal

Show logo download options





#### **Summary** Alignment

Name	MA0406.1 (TEC1)
Database	JASPAR CORE 2014

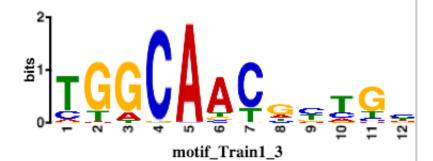
p-value6.28e-03E-value6.15e+00q-value1.00e+00

Overlap 8
Offset -1

**Orientation** Reverse Complement

Show logo download options





#### **Summary**

# MA0119.1 <sup>2</sup>]

Name (TLX1::NFIC)

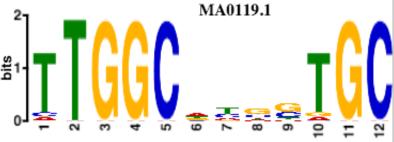
Database JASPAR CORE 2014

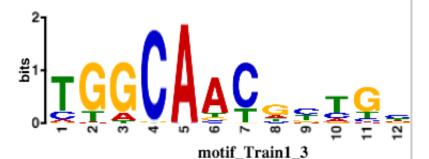
p-value7.97e-03E-value7.81e+00q-value1.00e+00

Overlap 12 Offset 0

Orientation Reverse Complement

Show logo download options





#### Alignment

Alignment

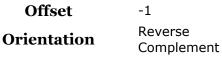
#### **Summary**

Name MA0097.1 (bZIP911)

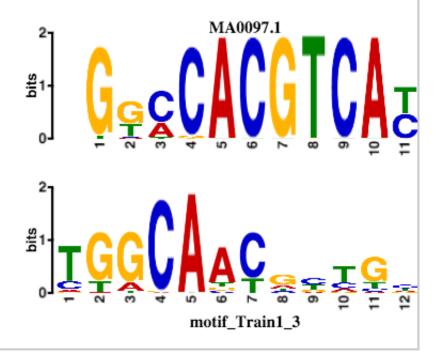
**Database** JASPAR CORE 2014

*p*-value 9.93e-03*E*-value 9.72e+00*q*-value 1.00e+00

Overlap 11



Show logo download options



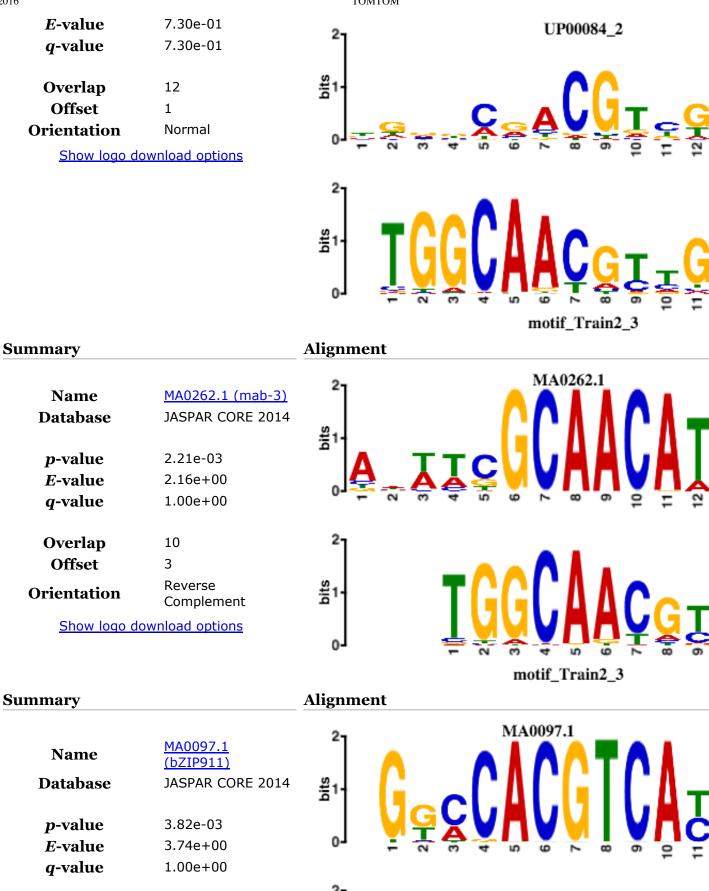
## MATCHES TO MOTIF\_TRAIN2\_3 (4-TGGCAACGTTGC)

Previous Next Top

Summary		Alignment
Name Database <i>p</i> -value	MA0365.1 (RFX1) JASPAR CORE 2014 1.95e-04	2 MA0365.1
<i>E</i> -value	1.91e-01	.LXMYNNV
<i>q</i> -value	3.83e-01	- 2 6 4 3 9 7 8
Overlap	8	21
Offset	0	
Orientation	Reverse Complement	#HTCCCA ACC
Show logo de	ownload options	motif_Train2_3
Summary		Alignment
Name	UP00084 2 (Gmeb1 secondary)	
Database	uniprobe mouse	

*p*-value

TOMTOM 1/28/2016



11

-1

**Overlap** 

**Offset** 

Orientation

Complement

Reverse



#### **Summary** Alignment

Name MA0550.1 (BZR1)

Database JASPAR CORE 2014

p-value4.31e-03E-value4.22e+00q-value1.00e+00

Overlap 12 Offset 0

**Orientation**Reverse
Complement

Show logo download options





motif\_Train2\_3

#### **Summary**

## Name MA0161.1 (NFIC)

Database JASPAR CORE 2014

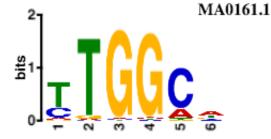
p-value4.44e-03E-value4.35e+00q-value1.00e+00

Overlap 5 Offset 1

**Orientation** Normal

Show logo download options

## Alignment





#### Alignment

Summary

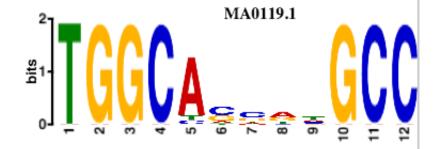
Name MA0119.1 (TLX1::NFIC)

Database JASPAR CORE 2014

 p-value
 4.50e-03

 E-value
 4.40e+00

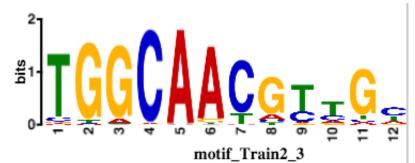
 q-value
 1.00e+00



Overlap 12 Offset 0

**Orientation** Normal

Show logo download options



#### **Summary**

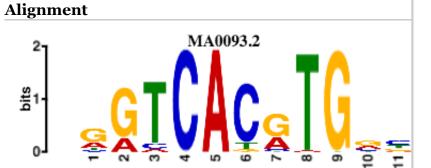
Name MA0093.2 (USF1)
Database JASPAR CORE 2014

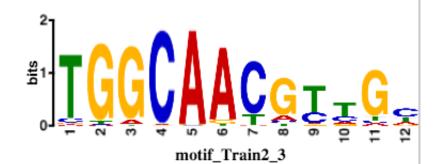
p-value5.37e-03E-value5.26e+00q-value1.00e+00

Overlap 11
Offset -1
Orientation Reverse

Complement

Show logo download options





#### **Summary**

Name MA0570.1 (ABF1)
Database JASPAR CORE 2014

Database JASFAR CORL 20

 p-value
 6.48e-03

 E-value
 6.35e+00

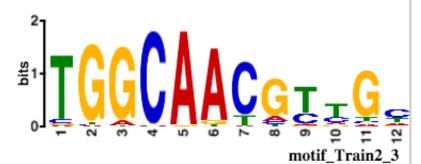
 q-value
 1.00e+00

Overlap 11
Offset -1
Orientation Normal

Show logo download options

# Alignment





#### **Summary**

#### Alignment

Name MA0406.1 (TEC1)

Database JASPAR CORE 2014

TOMTOM 1/28/2016

> 7.05e-03 p-value E-value 6.90e+00 q-value 1.00e+00

Overlap 8 Offset -1

Reverse Orientation Complement

Show logo download options





motif\_Train2\_3

#### **Summary**

Name

MA0384.1 (SNT2)

**Alignment** 

Alignment

**Database** JASPAR CORE 2014

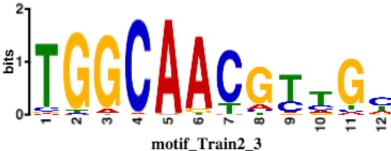
*p*-value 7.88e-03 E-value 7.71e+00 q-value 1.00e+00

Overlap 11 Offset 0

Orientation Normal

Show logo download options





#### **Summary**

Name MA0567.1 (ERF1)

**Database** JASPAR CORE 2014

9.59e-03 *p*-value

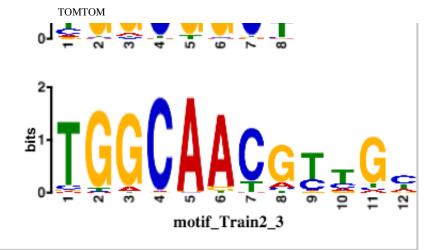


**E-value** 9.39e+00 **q-value** 1.00e+00

Overlap 8 Offset 0

Orientation Reverse Complement

Show logo download options



## MATCHES TO MOTIF\_TRAIN7\_3 (5-TGGCAACGYTGY)

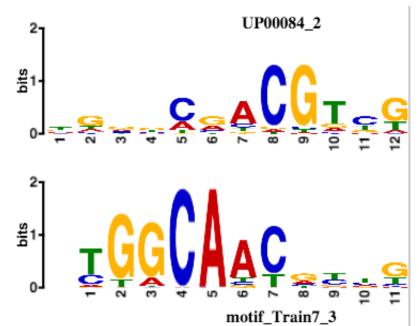
Previous Next Top

#### Alignment **Summary** MA0365.1 Name MA0365.1 (RFX1) **Database** JASPAR CORE 2014 *p*-value 2.83e-04 E-value 2.77e-01 5.18e-01 q-value Overlap 8 Offset 0 Reverse Orientation Complement Show logo download options motif\_Train7\_3

Summary	Alignment

Name	<u>UP00084 2</u> (Gmeb1 secondary)
Database	uniprobe mouse
<i>p</i> -value	5.29e-04
<i>E</i> -value	5.18e-01
<i>q</i> -value	5.18e-01
Overlap	12
Offset	1
Orientation	Normal

Show logo download options



#### **Summary**

### Alignment

Name Database	MA0262.1 (mab-3) JASPAR CORE 2014	2 MA0262.1
<i>p</i> -value	2.22e-03	
<i>E</i> -value	2.18e+00	· √⋛≟∀₹₹∧∧∪∪∧∟
<i>q</i> -value	1.00e+00	1 2 E 4 3 0 V 8 6 0 1
0	10	2-

Overlap 10
Offset 3
Reverse

Orientation Complement

Show logo download options



MA0384.1

motif\_Train7\_3

#### **Summary**

Orientation

### **Alignment**

Name Database	MA0384.1 (SNT2) JASPAR CORE 2014
<i>p</i> -value	3.58e-03
<i>E</i> -value	3.51e+00
<i>q</i> -value	1.00e+00
Overlap	11
Offset	0

Show logo download options

Normal

#### **Summary** Alignment

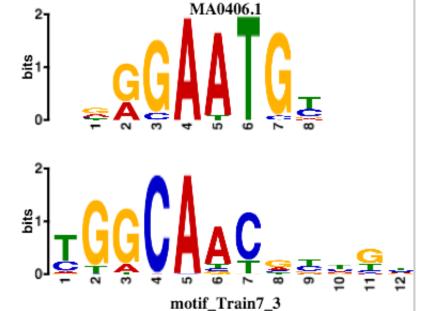
Name	MA0406.1 (TEC1)
Database	JASPAR CORE 2014

p-value3.88e-03E-value3.80e+00q-value1.00e+00

Overlap 8 Offset -1

**Orientation**Reverse
Complement

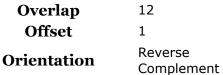
Show logo download options



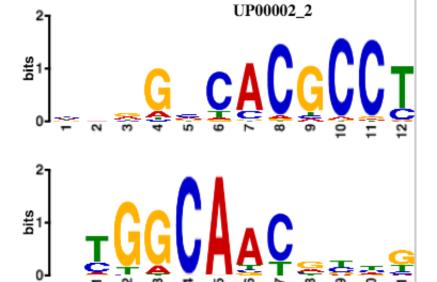
Alignment

#### **Summary**

Name	<u>UP00002 2</u> (Sp4 secondary)
Database	uniprobe mouse
<i>p</i> -value	5.38e-03
<i>E</i> -value	5.26e+00
<i>q</i> -value	1.00e+00
01	10



Show logo download options



motif Train7 2

1/28/2016

TOMTOM mom\_tram/\_3 Alignment **Summary** MA0097.1 MA0097.1 Name (bZIP911) **Database** JASPAR CORE 2014 *p*-value 6.44e-03 E-value 6.31e+00 q-value 1.00e+00 Overlap 11 Offset -1 Reverse Orientation Complement Show logo download options motif\_Train7\_3 **Alignment Summary** Name MA0509.1 (Rfx1) **Database** JASPAR CORE 2014 *p*-value 6.49e-03 E-value 6.36e+00 q-value 1.00e+00 Overlap 7 MA0509.1 **Offset** 7 Orientation Normal Show logo download options motif\_Train7\_3

**Alignment Summary** 

Name MA0161.1 (NFIC) **Database** JASPAR CORE 2014

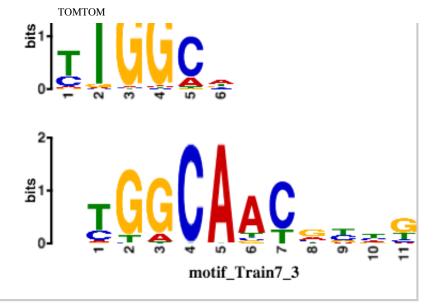


p-value7.82e-03E-value7.66e+00q-value1.00e+00

Overlap 5 Offset 1

**Orientation** Normal

Show logo download options



## MATCHES TO MOTIF\_TRAIN8\_3 (5-TGGCAACGYTGY)

Previous Next Top

#### **Summary**

## **Name** <u>MA0365.1 (RFX1)</u>

Database JASPAR CORE 2014

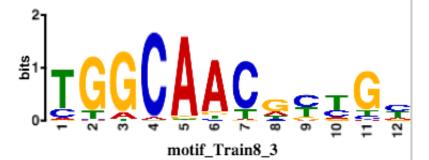
p-value4.36e-04E-value4.27e-01q-value8.55e-01

Overlap 8 Offset 0

Orientation Reverse Complement

Show logo download options





#### Summary

#### **Alignment**

Alignment

Name  $\frac{\text{UP00084 2}}{\text{Constants}}$ 

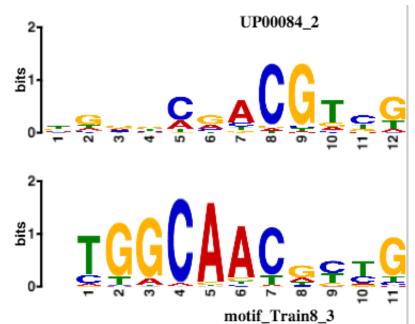
(Gmeb1 secondary)

Database uniprobe mouse

*p*-value 1.16e-03*E*-value 1.13e+00*q*-value 1.00e+00

Overlap 12
Offset 1
Orientation Normal

Show logo download options



#### **Summary**

Name

MA0384.1 (SNT2)

Database JASPAR CORE 2014

 p-value
 1.66e-03

 E-value
 1.63e+00

 q-value
 1.00e+00

Overlap 11
Offset 0
Orientation Normal

Show logo download options



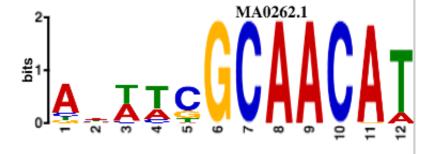


#### **Summary**

#### **Alignment**

Alignment

Name Database	MA0262.1 (mab-3) JASPAR CORE 2014	
<i>p</i> -value	4.77e-03	
<i>E</i> -value	4.67e+00	
<i>q</i> -value	1.00e+00	
Overlap	10	
Offset	3	
Orientation	Reverse Complement	
Show logo download options		





motif\_Train8\_3

### **Summary** Alignment

Name  $\frac{MA0097.1}{(bZIP911)}$ 

Database JASPAR CORE 2014

p-value 5.93e-03
 E-value 5.80e+00
 q-value 1.00e+00

Overlap 11 Offset -1

**Orientation**Reverse
Complement

Show logo download options





motif\_Train8\_3

#### **Summary**

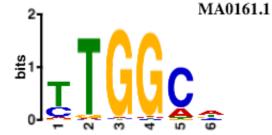
Name	MA0161.1 (NFIC)
Database	JASPAR CORE 2014

p-value5.96e-03E-value5.84e+00

*q***-value** 1.00e+00

Overlap 5
Offset 1
Orientation Normal

Show logo download options



**Alignment** 



**Summary** Alignment

1/28/2016

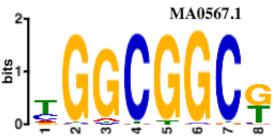
Name MA0567.1 (ERF1)
Database JASPAR CORE 2014

p-value8.42e-03E-value8.24e+00q-value1.00e+00

Overlap 8 Offset 0

**Orientation**Reverse
Complement

Show logo download options



TOMTOM



**Summary** Alignment

Name MA0406.1 (TEC1)

Database JASPAR CORE 2014

*p*-value*E*-value9.05e-038.86e+00*q*-value1.00e+00

Overlap 8 Offset -1

Orientation Reverse Complement

Show logo download options





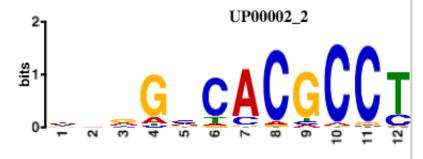
motii\_1 raino

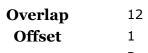
## **Summary** Alignment

Name
UP00002 2
(Sp4 secondary)

Database
uniprobe mouse

p-value9.47e-03E-value9.27e+00q-value1.00e+00





Reverse Orientation Complement

Show logo download options



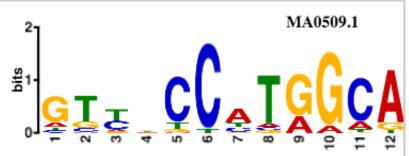
#### Alignment **Summary**

Name	MA0509.1 (Rfx1)
Database	JASPAR CORE 2014

*p*-value 9.81e-03 *E*-value 9.60e+00 q-value 1.00e+00

Overlap 7 Offset 7 Orientation Normal

Show logo download options





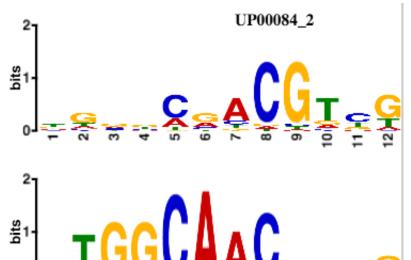
motif\_Train8\_3

## MATCHES TO MOTIF TRAIN4 3 (4-TGGCAACGYTGH)

Previous Next Top

Summary		Alignment
Name Database	MA0365.1 (RFX1) JASPAR CORE 2014	2 MA0365.1
<i>p</i> -value	2.58e-04	
<i>E</i> -value	2.53e-01	ALAMTINUV
<i>q</i> -value	5.05e-01	1 2 8 4 5 B
Overlap	8	27
Offset	0	
Orientation	Reverse Complement	
Show logo de	ownload options	⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒ ⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒⋒
		motif_Train4_3
Summary		Alignment

<u>UP00084_2</u> ( <u>Gmeb1_secondary</u> ) uniprobe mouse		
8.25e-04		
8.07e-01		
8.07e-01		
12		
1		
Normal		
Show logo download options		



motif\_Train4\_3

#### **Summary**

# Name MA0384.1 (SNT2) Database JASPAR CORE 2014

p-value1.96e-03E-value1.91e+00q-value1.00e+00

Overlap 11
Offset 0
Orientation Normal

Show logo download options





#### **Summary**

#### **Alignment**

**Alignment** 

Name	MA0262.1 (mab-3)
<b>Database</b>	JASPAR CORE 2014

 p-value
 2.11e-03

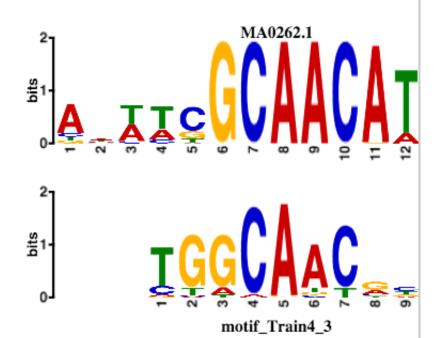
 E-value
 2.07e+00

 q-value
 1.00e+00

Overlap 10 Offset 3

**Orientation** Reverse Complement

Show logo download options



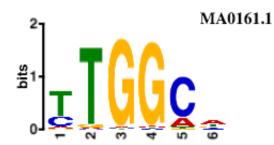
### **Summary**

## Alignment

Name Database	MA0161.1 (NFIC) JASPAR CORE 2014
p-value E-value	5.03e-03 4.92e+00 1.00e+00
q-value Overlap	5
Offset	1

Orientation Normal

Show logo download options





### **Summary**

## Alignment

	HD00003 3	2 <sub>1</sub> UP00002_2
Name	<u>UP00002_2</u> (Sp4_secondary)	
Database	uniprobe mouse	<sup>g</sup> ¹ C CCCT
<i>p</i> -value	5.87e-03	- CACCOL
<i>E</i> -value	5.75e+00	0 - 2 8 4 3 9 7 8 9 5 5 5
<b>q</b> -value	1.00e+00	
		27
Overlap	12	<b>▲ </b>
Offset	1	φ.
Orientation	Reverse Complement	# TGGC △ C

Show logo download options



motif\_Train4\_3

#### **Summary**

#### **Alignment**

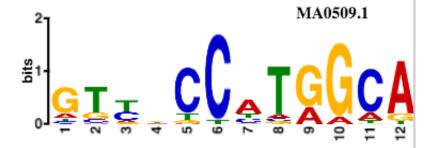
Name MA0509.1 (Rfx1)
Database JASPAR CORE 2014

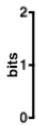
*p*-value 6.58e-03*E*-value 6.44e+00*q*-value 1.00e+00

Overlap 7
Offset 7

**Orientation** Normal

Show logo download options







motif\_Train4\_3

#### Summary

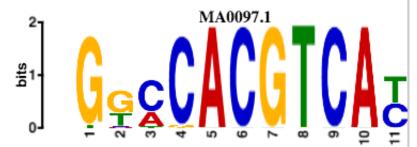
#### **Alignment**

Name	MA0097.1 (bZIP911)
Database	JASPAR CORE 2014
<i>p</i> -value	7.54e-03

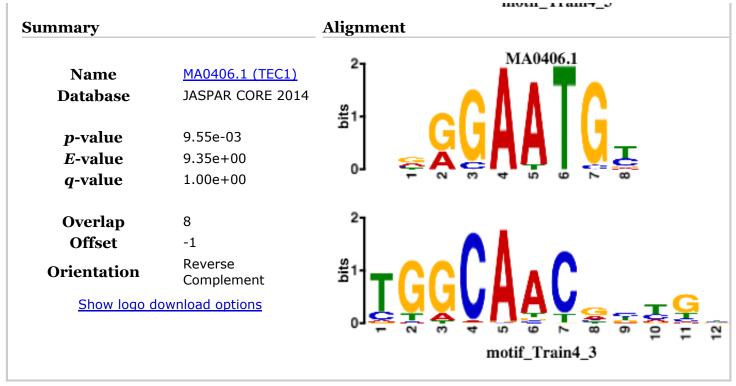
p-value7.54e-03E-value7.38e+00q-value1.00e+00

Overlap 11
Offset -1
Orientation Reverse
Complement

Show logo download options







## MATCHES TO MOTIF\_10\_3 (4-TGGCAACGYTGY)

Previous Next Top

Summary		Alignment
Name Database	MA0365.1 (RFX1) JASPAR CORE 2014	2 MA0365.1
<i>p</i> -value	1.88e-04	
<i>E</i> -value	1.84e-01	
<i>q</i> -value	3.68e-01	1 2 8 4 5 B
Overlap	8	21
Offset	0	
Orientation	Reverse Complement	
Show logo d	ownload options	ŋ <sup>ᡩ</sup> ĂĂΛ╙Ҿ╁쭪뽆靠 <sup>춁</sup> <sup>ś</sup>
Summary		motif_10_3 Alignment
Name	<u>UP00084_2</u> (Gmeb1_secondary)	
Database	uniprobe mouse	
<i>p</i> -value	7.73e-04	
<i>E</i> -value	7.57e-01	
<i>q</i> -value	7.57e-01	

Overlap 12
Offset 1
Orientation Normal

Show logo download options





motif\_10\_3

#### **Summary**

Name MA0384.1 (SNT2)
Database JASPAR CORE 2014

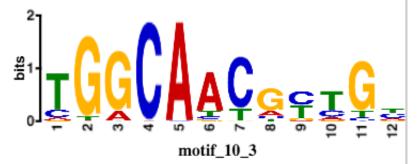
p-value2.53e-03E-value2.47e+00q-value1.00e+00

Overlap 11
Offset 0
Orientation Normal

Show logo download options

## Alignment

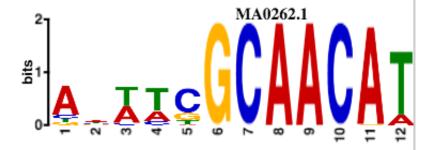




**Summary** 

#### **Alignment**

MA0262.1 (mab-3) JASPAR CORE 2014		
3.35e-03		
3.27e+00		
1.00e+00		
10		
3		
Reverse Complement		
Show logo download options		





motif\_10\_3

#### **Summary**

#### Alignment

Name	MA0406.1 (TEC1)
Database	JASPAR CORE 2014

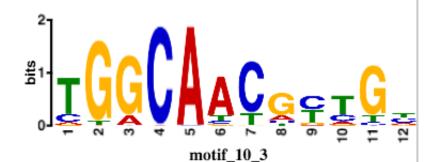
<i>p</i> -value	4.84e-03		
<i>E</i> -value	4.74e+00		
<i>q</i> -value	1.00e+00		

Overlap	8
Offset	-1

**Orientation** Reverse Complement

Show logo download options





#### **Summary**

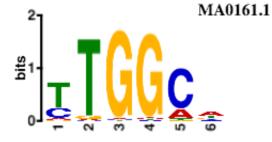
#### **Alignment**

Name	MA0161.1 (NFIC)
Database	JASPAR CORE 2014

p-value6.05e-03E-value5.93e+00q-value1.00e+00

Overlap 5
Offset 1
Orientation Normal

Show logo download options





#### **Summary**

#### Alignment

Name  $\frac{MA0097.1}{(bZIP911)}$ 

Database JASPAR CORE 2014

pits

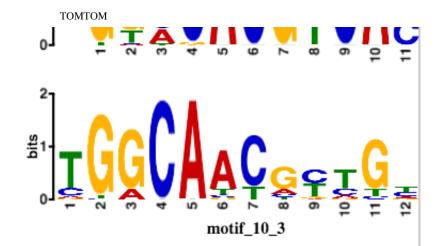


*p*-value 0.30e-03 *E*-value 6.25e+00 *q*-value 1.00e+00

Overlap 11 Offset -1

Orientation Reverse Complement

Show logo download options



#### **Summary**

## Alignment

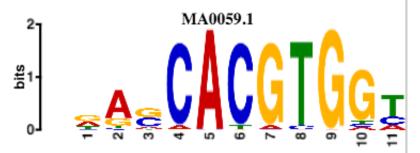
Name	MA0059.1		
	(MYC::MAX)		

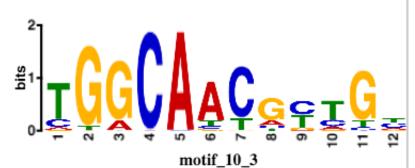
**Database** JASPAR CORE 2014

*p*-value 1.01e-02*E*-value 9.89e+00*q*-value 1.00e+00

Overlap 11
Offset -1
Orientation Normal

Show logo download options





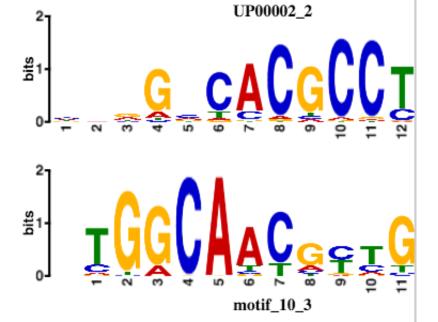
#### **Summary**

#### Alignment

Name Database	UP00002 2 (Sp4 secondary) uniprobe mouse			
<i>p</i> -value	1.02e-02			
<i>E</i> -value	9.95e+00			
q-value	1.00e+00			
Overlap	12			
Offset	1			

Overlap 12
Offset 1
Orientation Reverse Complement

Show logo download options



SETTINGS Previous Next Top

#### **Background**

Name	Bg.				Bg.	Name
Adenine	0.250	Α	~	Т	0.250	Thymine
Cytosine	0.250	С	~	G	0.250	Guanine

#### **Other Settings**

**Strand Handling** Motifs may be reverse complemented before comparison to find a better

match.

Distance Measure

Pearson correlation coefficient

**Match Threshold** Matches must have a E-value of 10 or smaller.

Previous Top

#### **TOMTOM** version

4.11.1 (Release date: Fri Jan 15 12:51:59 2016 -0800)

#### Reference

Shobhit Gupta, JA Stamatoyannopolous, Timothy Bailey and William Stafford Noble, "Quantifying similarity between motifs", *Genome Biology*, **8**(2):R24, 2007.

#### **Command line**

tomtom -no-ssc -oc . -verbosity 1 -min-overlap 5 -dist pearson -evalue -thresh 10.0 motif\_group6.txt

Result calculation took 9.742 seconds