

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

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_					
Database	Name	Alt. Name	Preview	Matches	
motif group7	motif_10_1	1- RTATAAAAASVS	I TATAAA.	9	MA0108 UP0002
motif group7	motif_Train1_19	22- GTCTTCAGGGAC	PGTCTTCAGGG <sub>G</sub>	5	MA0154 MA0364
motif group7	motif_Train2_18	22- AATGGGCGAAAC	ij <mark>ŶŎĬĠ</mark> ĜĠ <mark>ĊĞŸŶŎ</mark> Ċ	10	MA0502 UP0013
motif group7	motif_Train3_19	22- TGAAACGAGA	<sup>‡</sup> ] <mark>TGA<sub>O</sub>AÇGAG</mark> A	5	MA0393 MA0085
motif group7	motif_Train4_19	14-ACCATGGA	<b>AÇÇATĞĞA</b>	14	MA0138 MA0445
motif group7	motif_Train5_19	19- CAGCGCACTATC	ij <mark>ĊŸĊĊĕĊŸĊĬŶĬ</mark> Ċ	9	MA0291 UP0014
motif group7	motif_Train6_1	1- GTATAAAARNNV	ŢŢĀŢĀŧĀŧ	9	MA0108 MA0015
motif group7	motif_Train7_1	1- GTATAAAAAVVS	Ţ <mark>ĬŢĬŶĬŶŶ</mark>	10	MA0108 UP0006
motif group7	motif_Train8_2	1- GTATAAAARSVG	ŢĄŢĄĄĄ	6	MA0108 MA0296

motif group7

motif\_Train9\_19

20-GTAGGCTATGGT



<u>UP0005</u> <u>MA0511</u>

## TARGET DATABASES

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Database	Used	Matched
uniprobe mouse	386	24
JASPAR CORE 2014	593	35

# MATCHES TO MOTIF\_TRAIN9\_19 (20-GTAGGCTATGGT)

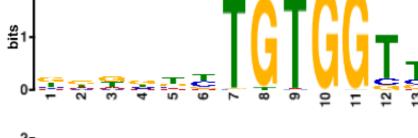
Previous Next Top

Summary		Alignment	
Name Database	UP00056 1 (Rfx4 primary) uniprobe mouse	21 ₩ 1- UP00056_1	-Δ 🔓
<i>p</i> -value <i>E</i> -value	2.86e-03 2.80e+00		≥ <b>/</b> 1¥9
<i>q</i> -value	1.00e+00	- 4 6 4 6 6 7 8 9	, 0 1 21 81
Overlap Offset	12 2		₹.
Orientation	Reverse Complement	gt GGG	r a I G 🛮
Show logo dov	vnload options	o ≥	_19 _19

### **Summary**

Alignment

Name Database	MA0511.1 (RUNX2) JASPAR CORE 2014
<i>p</i> -value	3.48e-03
<i>E</i> -value	3.41e+00
<i>q</i> -value	1.00e+00
Overlap	12
Offset	0
Orientation	Normal



MA0511.1

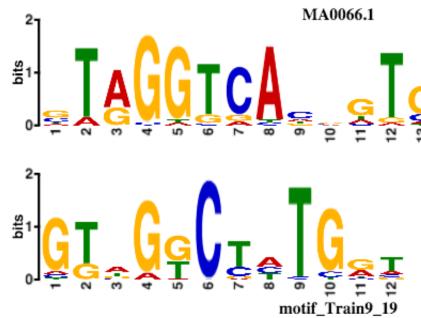


Show logo download options

2016		TOMTO	)M	
Summary		Alignment		
Name	MA0138.2 (REST)	2	<b>△ T</b>	MA0138.2
Database	JASPAR CORE 2014	ig 1-	C G	TCC (
<i>p</i> -value	3.57e-03	이출충	훋 <sup>춖</sup> 및 두	푸~~~
<i>E</i> -value	3.49e+00	- "	() 4 L) 0 I	m 0, 5 ± 5
<b>q</b> -value	1.00e+00	21		
Overlap	12		_	_ <b>^</b>
Offset	3	£11-	$\wedge$ $\top$	_ /
Orientation	Reverse Complement			<b>ĢVĮ⊕</b> ∐.
Show logo dov	vnload options	0-	- 2 6 4	9 8 4
				motif_Train9_19
Summary		Alignment		
Nama	MA0066.1	21		MA0066.1

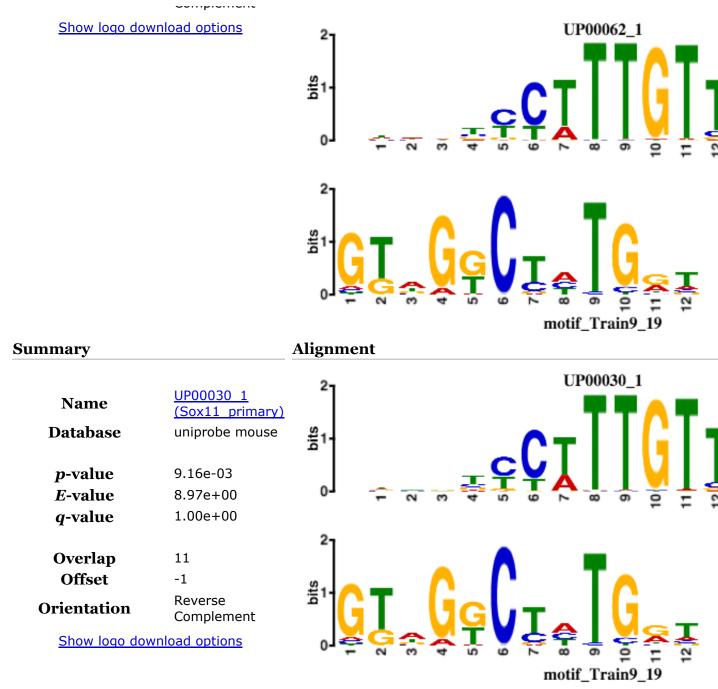
Name Database	MA0066.1 (PPARG) JASPAR CORE 2014
<ul><li>p-value</li><li>E-value</li><li>q-value</li></ul>	5.84e-03 5.72e+00 1.00e+00
Overlap Offset Orientation	12 0 Normal





#### Alignment **Summary**

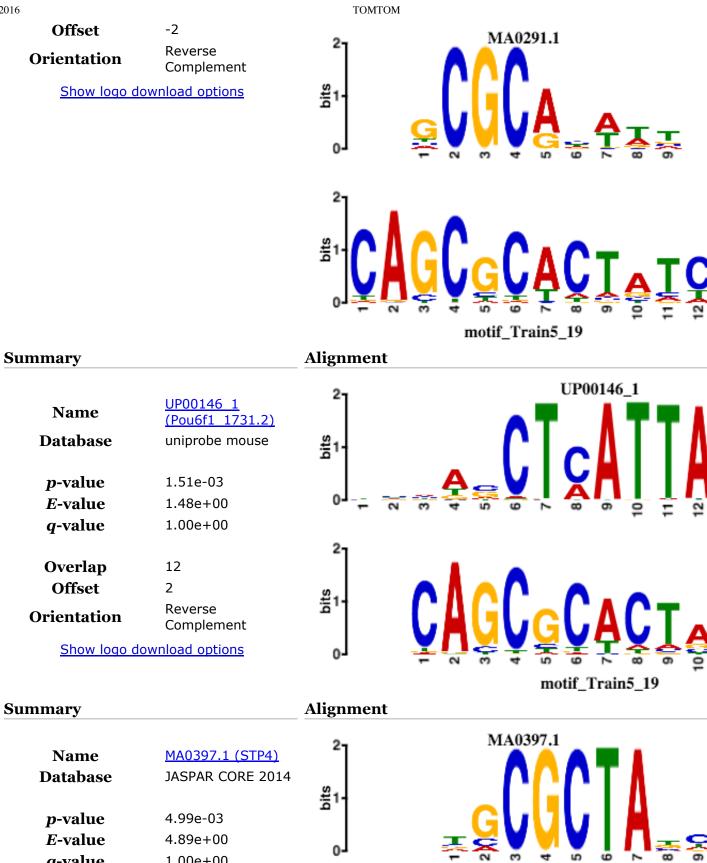
Name	<u>UP00062 1</u> (Sox4 primary)	
Database	uniprobe mouse	
<i>p</i> -value	7.63e-03	
E-value	7.47e+00	
<i>q</i> -value	1.00e+00	
Overlap	11	
Offset	-1	
Orientation	Reverse Complement	



# MATCHES TO MOTIF\_TRAIN5\_19 (19-CAGCGCACTATC)

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Summary	Alignment
Name	MA0291.1 (DAL82)
Database	JASPAR CORE 2014
<i>p</i> -value	1.85e-04
<i>E</i> -value	1.81e-01
<i>q</i> -value	3.62e-01
Overlap	9



Name	<u>MA0397.1 (STP4)</u>	
Database	JASPAR CORE 2014	£1-
<i>p</i> -value	4.99e-03	
<i>E</i> -value	4.89e+00	, SSYYYY I U≅S
<b>q</b> -value	1.00e+00	1 2 6 4 5 9 V 8 6
Overlap	9	27
Offset	-3	
Orientation	Reverse Complement	
Show logo do	ownload options	Ÿ <b>Ă₩ÃĂĂĂĂĂŸ</b> Ÿ₹₹

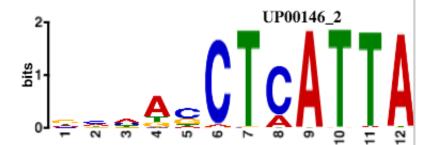
### **Summary** Alignment

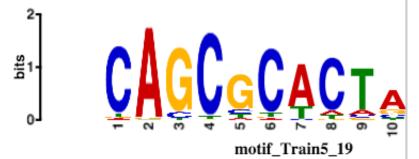
Name	<u>UP00146 2</u>
	(Pou6f1 3733.1)
Database	uniprobe mouse

*p*-value 6.23e-03*E*-value 6.10e+00*q*-value 1.00e+00

Overlap 12
Offset 2
Orientation Reverse Complement

Show logo download options





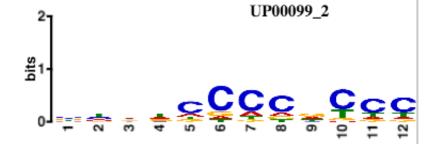
## **Summary** Alignment

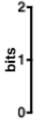
Mana	<u>UP00099 2</u>	
Name	(Ascl2 secondary)	
Datahase	uniprobe mouse	

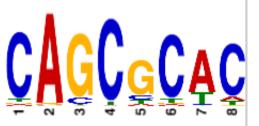
p-value8.05e-03E-value7.88e+00q-value1.00e+00

Overlap 12
Offset 4
Orientation Normal

Show logo download options







motif\_Train5\_19

### **Summary** Alignment

Name MA0327.1 (MATA1)

Database JASPAR CORE 2014

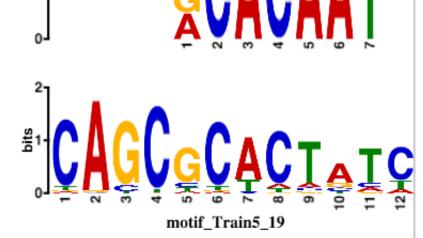




*p*-value 8.52e-03*E*-value 8.34e+00*q*-value 1.00e+00

Overlap 7
Offset -4
Orientation Normal

Show logo download options



#### Summary

### Alignment

TOMTOM

Name  $\frac{UP00042 2}{(Gm397 \text{ secondary})}$ 

Database uniprobe mouse

Normal

**p-value** 8.73e-03 **E-value** 8.54e+00

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

Overlap 12
Offset 2
Orientation Non

Show logo download options





#### **Summary**

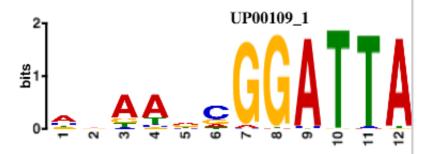
### **Alignment**

Mana	<u>UP00109 1</u>	
Name	(Obox6 3440.2)	
Database	uniprobe mouse	

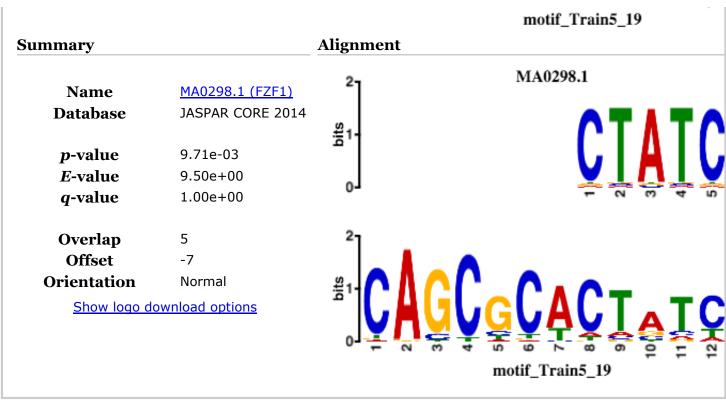
p-value8.95e-03E-value8.77e+00q-value1.00e+00

Overlap 12
Offset 2
Orientation Normal

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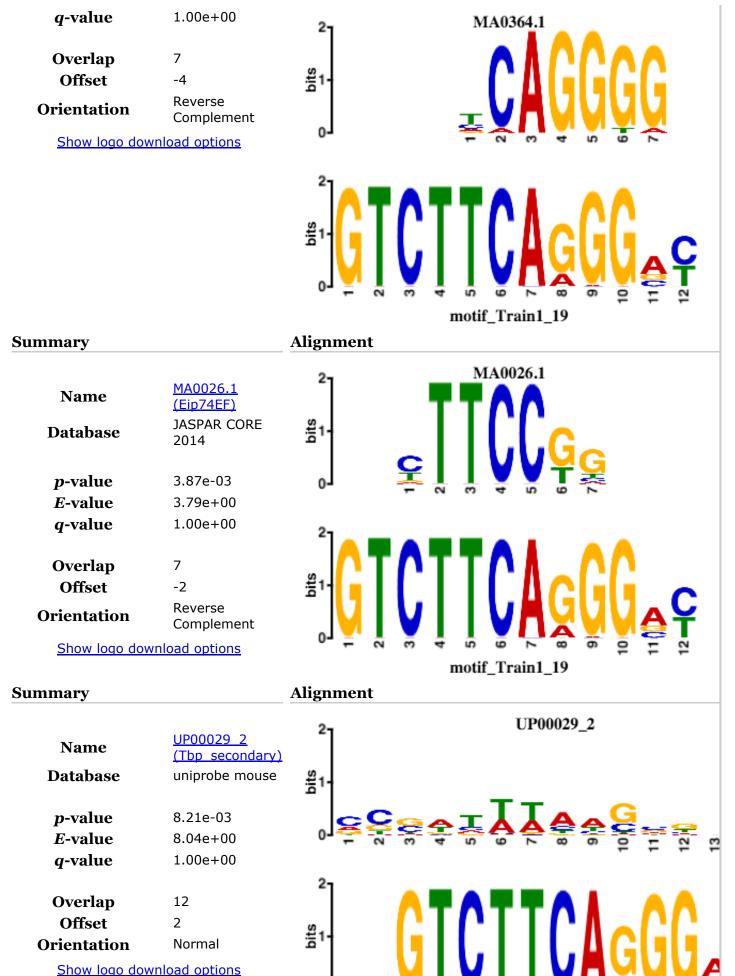


## MATCHES TO MOTIF\_TRAIN1\_19 (22-GTCTTCAGGGAC)

**Previous Next Top** 

Summary		Alignment
Name	MA0154.2 (EBF1)	MA0154.2
Database	JASPAR CORE 2014	TICLCAGG
<i>p</i> -value	8.44e-05	
<i>E</i> -value	8.27e-02	1 6 6 4 8 9 5 11
<i>q</i> -value	1.65e-01	21
Overlap	11	
Offset	0	· 第14
Orientation	Normal	
Show logo dov	wnload options	
		motif_Train1_19
Summary		Alignment
Name	MA0364.1 (REI1)	
Database	JASPAR CORE 2014	
<i>p</i> -value	1.40e-03	

*E*-value



		motif_Train1_19			
Summary		Alignment			
Name	MA0144.2 (STAT3)				
Database	JASPAR CORE				
Dutubuse	2014	MA0144.2			
<i>p</i> -value	9.00e-03				
<i>E</i> -value	8.81e+00	第14			
<i>q</i> -value	1.00e+00				
Overlap	10				
Offset	-2	- ,			
Orientation	Normal	21			
Show logo dov	vnload options				
		E C C C C C C C C C C C C C C C C C C C			
		motif_Train1_19			

# MATCHES TO MOTIF\_TRAIN6\_1 (1-GTATAAAARNNV)

Previous Next Top

Summary		Alignment
Name	MA0108.2 (TBP)	MA0108.2
Database	JASPAR CORE 2014	<sub>≦1</sub> -
<i>p</i> -value	4.89e-14	
<i>E</i> -value	4.79e-11	0 = 2 × 4 2 9 5 = 2
<i>q</i> -value	9.58e-11	
Overlap	12	2 4
Offset	0	ω, Λ Λ
Orientation	Normal	≝¹-
Show logo do	wnload options	motif_Train6_1
Summary		Alignment
Name	MA0015.1	

1.00e+00

Database	(Cf2_II) JASPAR CORE 2014
<i>p</i> -value	1.14e-03
<i>E</i> -value	1.12e+00

Overlap 10 Offset 0 Orientation Normal

q-value

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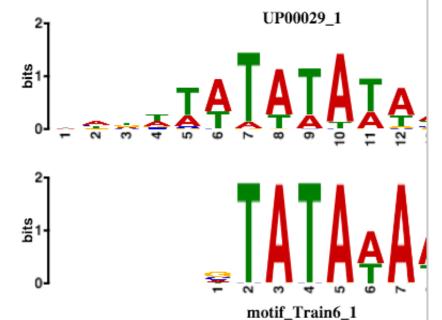


### **Summary**

## Alignment

Name	<u>UP00029 1</u> (Tbp_primary)
Database	uniprobe mouse
<i>p</i> -value	4.87e-03
<i>E</i> -value	4.77e+00
<i>q</i> -value	1.00e+00
Overlap	11
Offset	5
Orientation	Reverse Complement

Show logo download options



### **Summary**

## Alignment

Name	<u>UP00061 1</u> (Foxl1 primary)	
Database	uniprobe mouse	
<i>p</i> -value	4.91e-03	
E-value	4.81e+00	
<i>q</i> -value	1.00e+00	
Overlap	12	
Offset	5	
Orientation	Normal	
Show logo download options		





motif\_Train6\_1

## **Summary** Alignment

Name	<u>UP00025 1</u> (Foxk1 primary)
<b>Database</b>	uniprobe mouse
<i>p</i> -value	6.01e-03
E-value	5.89e+00
<i>q</i> -value	1.00e+00
Overlap	12
Offset	5
Orientation	Normal

Show logo download options







**Summary** Alignment

Name	MA0296.1 (FKH1)
Database	JASPAR CORE 2014
<i>p</i> -value	6.02e-03
<i>E</i> -value	5.90e+00
<i>q</i> -value	1.00e+00
Overlap	12
Offset	6
Orientation	Normal



2 pits



**Summary** 

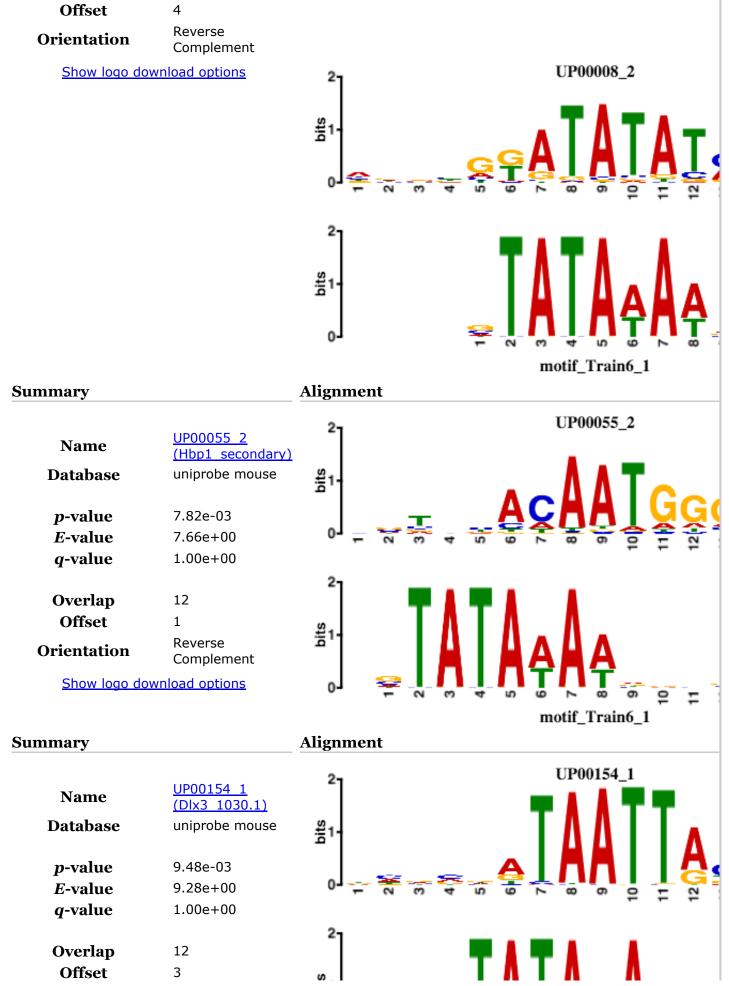
Show logo download options

## Alignment

Name	<u>UP00008 2</u> (Six6 secondary)
<b>Database</b>	uniprobe mouse
<i>p</i> -value	6.42e-03
<i>E</i> -value	6.29e+00
<i>q</i> -value	1.00e+00
_	

TOMTOM 1/28/2016

4



Orientation

Normal

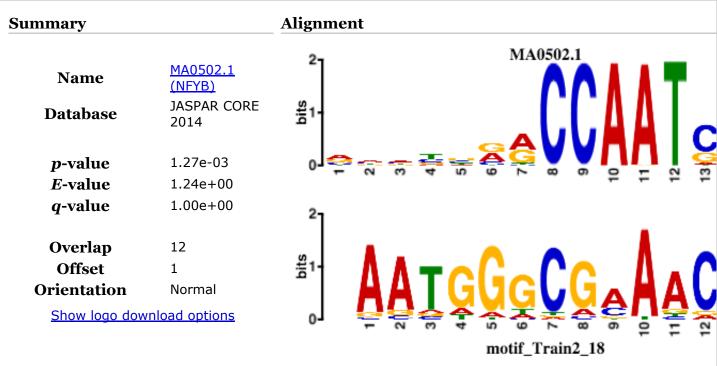
Show logo download options

[1-



## MATCHES TO MOTIF\_TRAIN2\_18 (22-AATGGGCGAAAC)

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## **Summary** Alignment

Name Database	UP00136 1 (Prrx2 3072.1) uniprobe mouse	21 1-	
<i>p</i> -value <i>E</i> -value <i>q</i> -value	2.40e-03 2.35e+00 1.00e+00	را 2-	
Overlap Offset Orientation	11 6 Normal	pits	AATGGGC
Show logo dow	vnload options	Lo	motif_Train2_18

**Summary** Alignment

Name  $\frac{MA0291.1}{(DAL82)}$ 

JASPAR CORE

3/2016		TOMT	OM
Database	2014	2]	MA0291.1
<i>p</i> -value	3.31e-03	ا س	_rpr
<i>E</i> -value	3.24e+00	pits	T[4],[4
<i>q</i> -value	1.00e+00	ا م	T IVVVc
		이축좋	
Overlap	9		
Offset	0	2-	
Orientation	Normal	-1	•
Show logo down	nload options		TGGGCG AAC motif_Train2_18
Summary		Alignment	
Name	MA0443.1 (btd)	2	MA0443.1
Database	JASPAR CORE 2014	監 1-	_GliliClig
<i>p</i> -value	3.41e-03		GUUUVUYA
E-value	3.34e+00	01 = 4	8 6 6
<i>q</i> -value	1.00e+00		-
Overlap	10	<sup>2</sup> ]	_
Offset	0		
Orientation	Normal	≝1┪ 🐧 🐧	TOC-CO 1C
Show logo down			IGUGUGAMAU
Show logo down	moad options	و پال	
		- 4	motif_Train2_18
Summary		Alignment	motir_1Fain2_18
Summary		Angiment	
Name	MA0010.1 (br Z1)	2	MA0010.1
Database	JASPAR CORE 2014	\$ 1-	$\Delta T \Delta C \Delta C \Delta \Delta T$
<i>p</i> -value	5.11e-03	JæŢ	<del>e</del> gàt <b>ag</b> xngga
El	F 000 + 00	0 - 0	3 4 4 4 5 5 5 6 6 6 6 6 10 10 10 11 21 21 21 21 21 21 21 21 21 21 21 21

Lο



#### motif\_Train2\_18

## **Summary** Alignment

Name	MA0544.1 (GEI-11)
Database	JASPAR CORE 2014

p-value5.18e-03E-value5.07e+00q-value1.00e+00

Overlap 12
Offset 0
Orientation Reverse
Complement

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motif\_Train2\_18

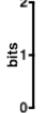
## **Summary** Alignment

Name Database	UP00181 1 (Barx1 2877.1) uniprobe mouse
<i>p</i> -value	7.11e-03
E-value	6.96e+00
q-value	1.00e+00

Overlap 11
Offset 5
Orientation Normal

Show logo download options







motif\_Train2\_18

## **Summary** Alignment

Marea	MA0401.1
Name	(SWI4)

Database JASPAR CORE 2014

\_---

p-value8.81e-03E-value8.63e+00q-value1.00e+00

TOMTOM **Overlap** 8 Offset -3 Orientation Normal Show logo download options MA0401.1 motif\_Train2\_18 Alignment **Summary** UP00139\_1 UP00139 1 Name (Nkx1-2 3214.1) uniprobe **Database** mouse *p*-value 9.76e-03 E-value 9.55e+00 q-value 1.00e+00 Overlap 11 Offset 6 Reverse Orientation Complement Show logo download options motif\_Train2\_18 Alignment **Summary** 

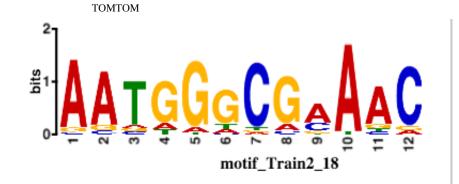
	UD00100 1	27	UP00	198_1
Name	<u>UP00198 1</u> (Cphx 3484.1)		<b>T</b> • <b>A</b> • •	4 <b>T</b> A 4
Database	uniprobe mouse	pits	IGAT	AICA
<i>p</i> -value	1.02e-02	Lo	- 0 m + 10 m	
<i>E</i> -value	9.95e+00			

q-value 1.uue+uu

Overlap 11 **Offset** -1

Orientation Normal

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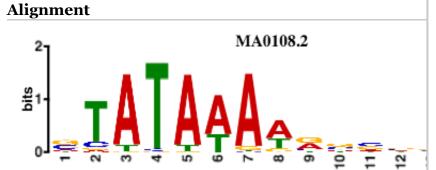
# MATCHES TO MOTIF\_TRAIN7\_1 (1-GTATAAAAAVVS)

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### **Summary** Name MA0108.2 (TBP) JASPAR CORE **Database** 2014 *p*-value 8.15e-10 E-value 7.98e-07 q-value 1.60e-06 Overlap 12

Offset 0 Orientation Normal

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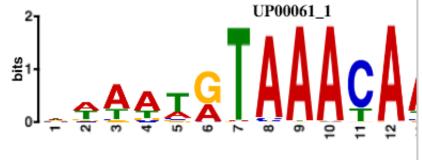




#### **Summary**

### **Alignment**

Name Database	UP00061 1 (Foxl1 primary) uniprobe mouse
<i>p</i> -value	1.87e-03
<i>E</i> -value	1.83e+00
<i>q</i> -value	1.00e+00
Overlap	12
Offset	5
Orientation	Normal
Show logo dov	vnload options





motif\_Train7\_1

Alignment

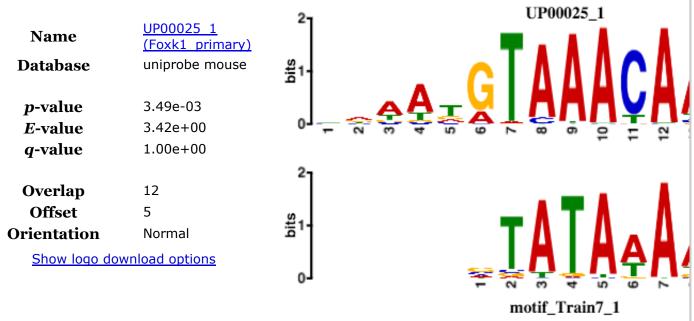
**Summary** 

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5		TOMTOM
Name	MA0296.1 (FKH1)	2-
Database	JASPAR CORE 2014	<sup>2</sup>
<i>p</i> -value	2.84e-03	<u>₩</u> 1-
<i>E</i> -value	2.78e+00	AATY
<i>q</i> -value	1.00e+00	0 - 2 8 4 6 9 7 8
Overlap	12	27
Offset	6	
Orientation	Normal	.e.
Show logo do	wnload options	<del></del>
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**Summary** 

## Alignment

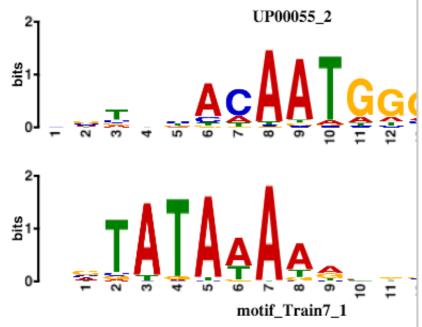


## **Summary** Alignment

Name	<u>UP00055 2</u> (Hbp1 secondary)
Database	uniprobe mouse
<i>p</i> -value	3.49e-03
<i>E</i> -value	3.42e+00
<i>q</i> -value	1.00e+00
Overlap	12
Offset	1
Orientation	Reverse Complement

MA0296.1

motif\_Train7\_1



motif\_Train7\_1

## **Summary**

## Alignment

	<u>UP00029 1</u>	27	UP00029_1
Name	(Tbp_primary)		
Database	uniprobe mouse	51-	$-\Delta T \Delta T \Delta$
<i>p</i> -value	3.69e-03		一大人兄!兄人爪,
E-value	3.62e+00	01 - 2	2 2 2 2 2 2 2
<i>q</i> -value	1.00e+00		-
		27	
Overlap	11		4
Offset	5	g,	_ A T A
Orientation	Reverse Complement	<u>sig</u> 1−	TAIA
Show logo dov	wnload options	Lo	<sup></sup> 쭏훘낲ડ

## **Summary**

## Alignment

	<u>UP00073 1</u>	<sup>2</sup> 7 UP00073_1	
Name	(Foxa2 primary)		
Database	uniprobe mouse	≝1·1	
<i>p</i> -value	8.67e-03	ACUIAAACA	
E-value	8.49e+00	0 - 2 \$ 2 3 4 8 6 0 1 2	
<b>q</b> -value	1.00e+00		
		27	
Overlap	12		
Offset	5	2.	
Orientation	Normal		

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**Alignment** 



motif\_Train7\_1

#### Summary

Name MA0049.1 (hb)
JASPAR CORE

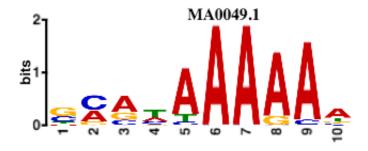
Database 2014

*p*-value 8.74e-03*E*-value 8.56e+00*q*-value 1.00e+00

Overlap 10 Offset 0

**Orientation** Normal

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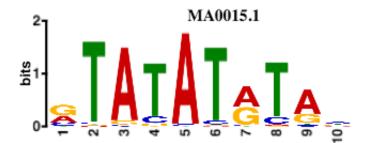
## **Summary** Alignment

Nama	<u>MA0015.1</u>
Name	(Cf2 II)
Databasa	JASPAR CORE
Database	2014

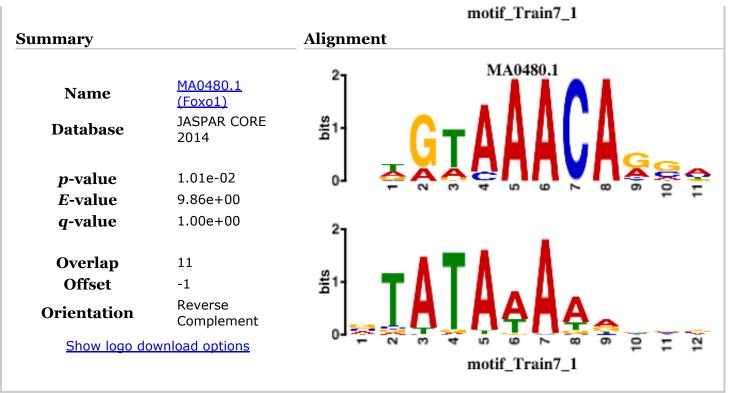
p-value9.98e-03E-value9.77e+00q-value1.00e+00

Overlap 10
Offset 0
Orientation Normal

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# MATCHES TO MOTIF\_TRAIN3\_19 (22-TGAAACGAGA)

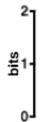
Previous Next Top

Summary		Alignment
Name Database	MA0393.1 (STE12) JASPAR CORE 2014	MA0393.1
<i>p</i> -value	5.56e-04	II CAAAV .
<i>E</i> -value	5.44e-01	이루봇큐즘!! A 🕏
<i>q</i> -value	1.00e+00	- 2 m 4 m 9 r
Overlap	7	21
Offset	0	T
Orientation	Normal	£1-1 C Λ Λ C Λ C Λ
Show logo do	ownload options	JI AW & WARATE
		<del>-</del>
		motif_Train3_19
Summary		motif_Train3_19 Alignment
Summary Name	MA0085.1 (Su(H))	
Name	MA0085.1 (Su(H))	
Database	MA0085.1 (Su(H)) JASPAR CORE 2014	

Overlap 10
Offset 5
Orientation Normal

Show logo download options







#### **Summary**

# Alignment

Name MA0260.1 (che-1)

Database JASPAR CORE 2014

p-value3.54e-03E-value3.47e+00q-value1.00e+00

Overlap 6
Offset -1
Orientation Normal

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#### **Summary**

### Alignment

Name	MA0051.1 (IRF2)
Database	JASPAR CORE 2014
-	4.47. 02
<i>p</i> -value	4.17e-03
<i>E</i> -value	4.08e+00
<i>q</i> -value	1.00e+00
Overlap	10
Offset	6
Orientation	Normal
Show logo do	wnload options





motif\_Train3\_19

## **Summary** Alignment

Name  $\frac{\text{UP00095 2}}{\text{(Zfp691 secondary)}}$ 

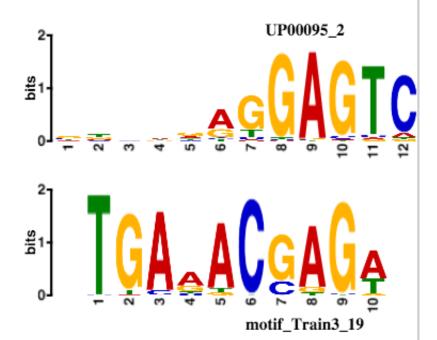
Database uniprobe mouse

p-value8.24e-03E-value8.07e+00q-value1.00e+00

Overlap 10 Offset 1

**Orientation** Reverse Complement

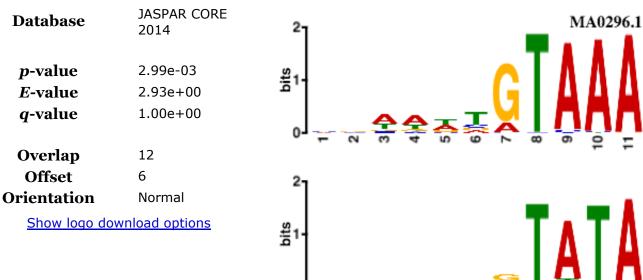
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## MATCHES TO MOTIF\_TRAIN8\_2 (1-GTATAAAARSVG)

Previous Next Top

Summary		Alignment
Name	MA0108.2 (TBP)	<sup>2</sup> ] MA0108.2
Database	JASPAR CORE 2014	
<i>p</i> -value	2.86e-08	
<i>E</i> -value	2.80e-05	0 = 2 2 4 2 8 2 5 = 2
<i>q</i> -value	5.61e-05	
Overlap	12	2
Offset	0	g T A T A A _
Orientation	Normal	£1-
Show logo do	wnload options	motif_Train8_2
Summary		Alignment
Name	MA0296.1 (FKH1)	



**Summary** 

## Alignment

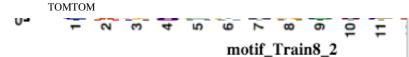
Name	<u>UP00061_1</u>	UP00061_1	
Database	(Foxl1 primary) uniprobe mouse	<u>g</u> ₁	٨
<i>p</i> -value	3.84e-03	AAATG AAAQ	Al
<i>E</i> -value	3.76e+00	0 - 2 8 4 6 9 7 8 6 0 -	8
<i>q</i> -value	1.00e+00		_
		27	
Overlap	12		_
Offset	5	ν <sub>4</sub> Τ Λ	
Orientation	Normal	<u>₹</u> 1-	Λ
Show logo do	wnload options		Ž.
		motif_Train8_2	

Alignment **Summary** 

	<u>UP00055 2</u>	<sup>2</sup> 1 UP00055_2	
Name	(Hbp1 secondary)	_	
Database	uniprobe mouse	<sup>1</sup>	
<i>p</i> -value	4.01e-03		25
<i>E</i> -value	3.93e+00	0, - 2 & 4 2 3 7 8 9 5 - 2	- 7
<i>q</i> -value	1.00e+00	a_	
Overlap	12		
Offset	1	2. T A T Λ Λ _	
Orientation	Reverse Complement		
Show loan dov	wnload ontions	"一多军方千门人们不多参"	_ 🥞

motif\_Train8\_2

**Summary** 



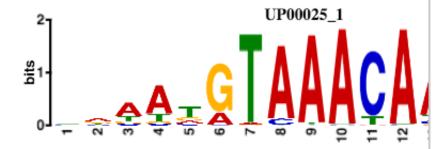
## Alignment

Name	<u>UP00025 1</u>
	(Foxk1 primary)
Database	uniprobe mouse

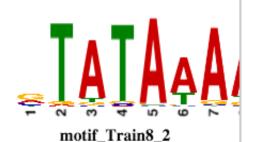
p-value5.01e-03E-value4.91e+00q-value1.00e+00

Overlap 12
Offset 5
Orientation Normal

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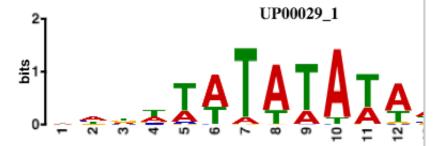
## **Summary** Alignment

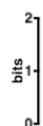
Name	<u>UP00029 1</u> (Tbp_primary)
Database	uniprobe mouse
<ul><li>p-value</li><li>E-value</li><li>q-value</li></ul>	6.98e-03 6.84e+00 1.00e+00
<i>q</i> -value	1.00e+00

Overlap 11 Offset 5

**Orientation** Reverse Complement

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## MATCHES TO MOTIF\_TRAIN4\_19 (14-ACCATGGA)

Previous Next Top

Summary	Alignment
	•

Name MA0138.2 (REST)
JASPAR CORE

Database 2014

*p***-value** 3.79e-06

TOMTOM E-value 3.71e-03 MA0138.2 q-value 7.42e-03 Overlap 8 Offset 6 Orientation Normal Show logo download options motif\_Train4\_19 Alignment **Summary** MA0445.1 Name MA0445.1 (D) JASPAR CORE **Database** 2014 *p*-value 1.21e-03 *E*-value 1.18e+00 q-value 9.31e-01 Overlap 8 Offset 3 Reverse Orientation Complement

#### Alignment **Summary**

Show logo download options

		2 <sub>7</sub> UP00023_1
Name	<u>UP00023 1</u> (Sox30 primary)	A A A —
Database	uniprobe mouse	£11
<i>p</i> -value	1.64e-03	AAVAA
E-value	1.60e+00	0 = 2 = 4 2 5 7 8 6 5 4 5
q-value	9.31e-01	
		21
Overlap	8	
Offset	5	ν. Ι ΛΑΓ'ΛΙΓ'Λ
Orientation	Normal	\frac{\text{\tin}\text{\tetx{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\\\ \ti}}\\ \text{\text{\text{\text{\text{\text{\tin}\tint{\til\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\titt{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\}\tittt{\text{\text{\ti}\}\tittt{\text{\text{\text{\text{\ti}\
Show logo do	wnload options	

motif\_Train4\_19

motif\_Train4\_19

#### Summary

### Alignment

Name	MA0371.1	(ROX1)

JASPAR CORE

Database 2014

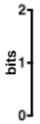
p-value1.90e-03E-value1.86e+00q-value9.31e-01

Overlap 8 Offset 4

**Orientation**Reverse
Complement

Show logo download options







motif\_Train4\_19

#### **Summary**

## Alignment

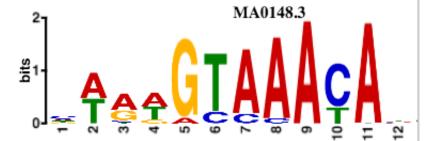
Name	MA0148.3 (FOXA1)
Database	JASPAR CORE
	2014

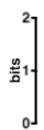
p-value2.81e-03E-value2.76e+00q-value1.00e+00

Overlap 8 Offset 7

**Orientation**Reverse
Complement

Show logo download options







motif\_Train4\_19

#### **Summary**

### Alignment

Name  $\frac{UP00004 2}{(Sox14 secondary)}$ 

**Database** uniprobe mouse

**p-value** 5.39e-03

UP00004\_2

ACAAT

TOMTOM

*q*-value 5.20e+00 q-value 1.00e+00

Overlap 8 Offset 5

**Orientation** Normal

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**Summary** 

Alignment

Name MA0078.1 (Sox17)

Database JASPAR CORE 2014

p-value5.89e-03E-value5.77e+00q-value1.00e+00

Overlap 8 Offset 1

**Orientation**Reverse
Complement

Show logo download options





**Summary** 

Alignment

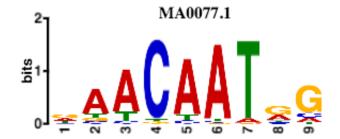
MA0077.1 (SOX9)
JASPAR CORE 2014

p-value5.89e-03E-value5.77e+00q-value1.00e+00

Overlap 7 Offset 2

Orientation Reverse Complement

Show logo download options





**Summary** 

Alignment

Name MA0600.1 (RFX2)
JASPAR CORE

TOMTOM 1/28/2016

Database 2014 7.22e-03 *p*-value E-value 7.07e+00 q-value 1.00e+00 Overlap 8 Offset 8 Reverse Orientation Complement Show logo download options MA0600.1 motif\_Train4\_19 **Summary** Alignment UP00079\_1 UP00079 1 Name (Esrra primary) **Database** uniprobe mouse *p*-value 7.75e-03 E-value 7.59e + 00q-value 1.00e+00 Overlap 8 7 Offset Reverse Orientation Complement Show logo download options motif\_Train4\_19 Alignment **Summary** MA0143.3 MA0143.3 (Sox2) Name

**Database** 

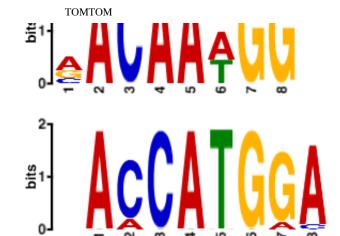


<i>p</i> -value	8.09e-03
<i>E</i> -value	7.92e+00
<i>q</i> -value	1.00e+00

Overlap 7
Offset 1

**Orientation**Reverse
Complement

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motif\_Train4\_19

#### **Summary**

### Alignment

Name MA0592.1 (ESRRA)

Database JASPAR CORE

2014

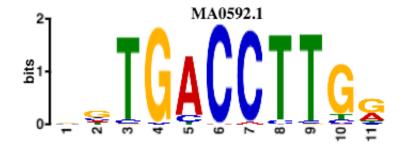
*p*-value 8.99e-03*E*-value 8.80e+00*q*-value 1.00e+00

Overlap 7

Offset 4

Orientation Reverse Complement

Show logo download options



sig 1-



motif\_Train4\_19

#### **Summary**

#### Alignment

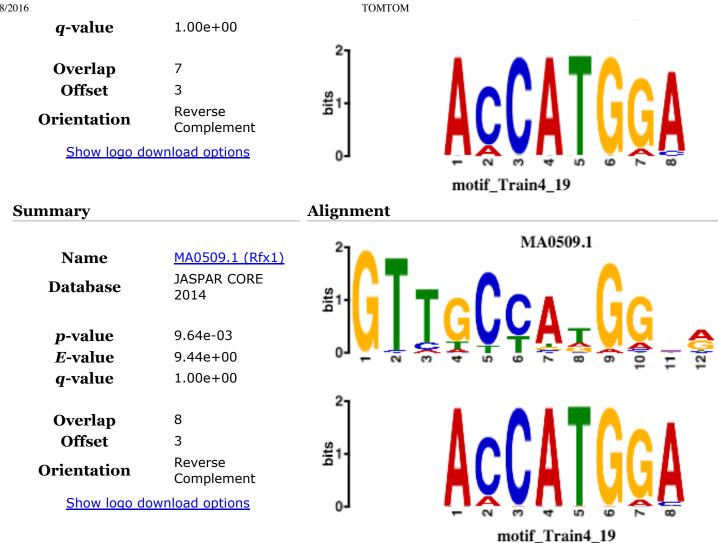
**Name** <u>MA0515.1 (Sox6)</u>

Database JASPAR CORE

2014

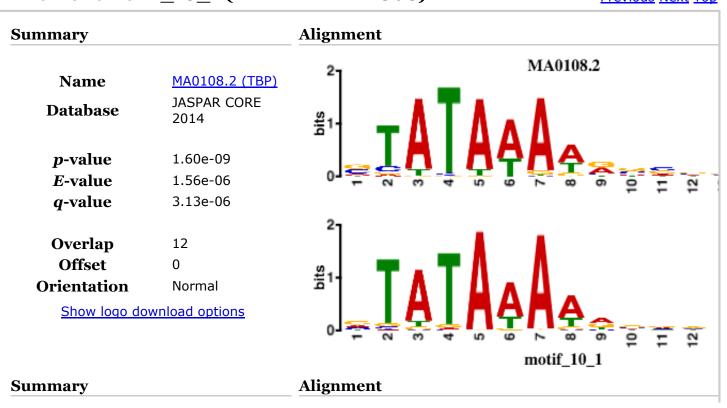
**p-value** 9.20e-03 **E-value** 9.00e+00



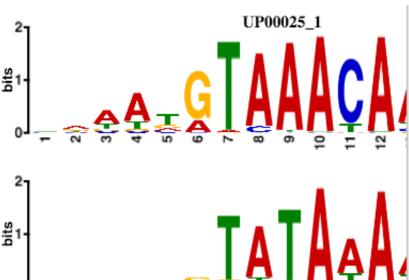


## MATCHES TO MOTIF\_10\_1 (1-RTATAAAAASVS)

#### **Previous Next Top**



Name Database	<u>UP00025 1</u> (Foxk1 primary) uniprobe mouse
<i>p</i> -value	1.60e-03
E-value	1.57e+00
<i>q</i> -value	8.34e-01
Overlap	12
Offset	5
Orientation	Normal
Show logo download options	



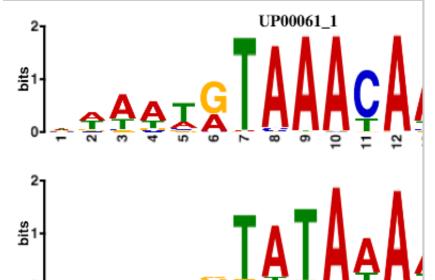
 $motif_10_1$ 

 $motif_10_1$ 

### **Summary**

Name Database	<u>UP00061 1</u> <u>(Foxl1 primary)</u> uniprobe mouse
<i>p</i> -value	1.60e-03
<i>E</i> -value	1.57e+00
<i>q</i> -value	8.34e-01
Overlap	12
Offset	5
Orientation	Normal



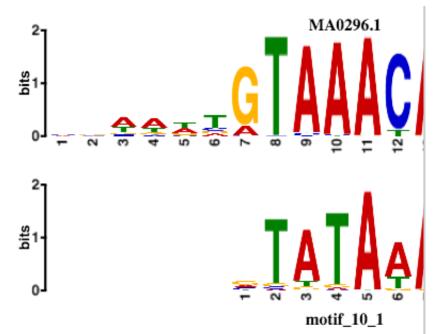


Show logo download options

## **Summary** Alignment

Name	MA0296.1 (FKH1) JASPAR CORE 2014			
Database				
<i>p</i> -value	1.70e-03			
<i>E</i> -value	1.67e+00			
<i>q</i> -value	8.34e-01			
Overlap	12			
Offset	6			
Orientation	Normal			

Show logo download options



## **Summary**

## Alignment

<b>N</b> Y	<u>UP00029 1</u>	<sup>2</sup> 7 UP00029_1	
Name	(Tbp_primary)		
Database	uniprobe mouse	$\mathcal{E}_{1}$ $\mathcal{L}$ $\mathcal{L}$ $\mathcal{L}$ $\mathcal{L}$ $\mathcal{L}$ $\mathcal{L}$ $\mathcal{L}$	,
<i>p</i> -value	3.01e-03		4
<i>E</i> -value	2.94e+00	0 - 2 8 4 2 9 5 5	2
<i>q</i> -value	1.00e+00		•
		27	
Overlap	11		
Offset	5	g <b>T</b> \	ı
Orientation	Reverse Complement	E TATAA	ŀ
Show logo do	wnload options	0 = 2 = 4 \ 0	1
		motif_10_1	

## **Summary**

## Alignment

	MA0015.1	<sup>2</sup> 7 MA0015.1				
Name	(Cf2 II)					
Database	JASPAR CORE 2014					
<i>p</i> -value	4.76e-03	이 = 응흥 6 급 부 등 등 응				
E-value	4.66e+00	- " " " " " " " "				
<i>q</i> -value	1.00e+00	27				
Overlap	10					
Offset	0	岩1				
Orientation	Reverse Complement	AIMAMA				

Show logo download options



#### Summary

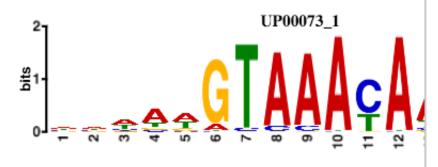
#### Alignment

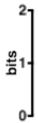
Marea	<u>UP00073 1</u>		
Name	(Foxa2 primary)		
Database	uniprobe mouse		

*p*-value 5.94e-03*E*-value 5.82e+00*q*-value 1.00e+00

Overlap 12
Offset 5
Orientation Normal

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motif\_10\_1

## **Summary** Alignment

Name	<u>UP00055 2</u>		
	(Hbp1 secondary)		
Database	uniprobe mouse		

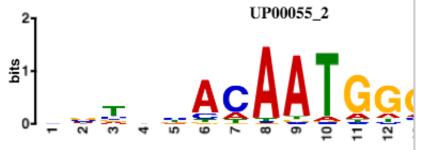
p-value7.69e-03E-value7.52e+00q-value1.00e+00

Overlap 12
Offset 1
Reverse

**Summary** 

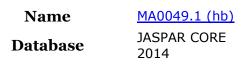
Orientation Complement

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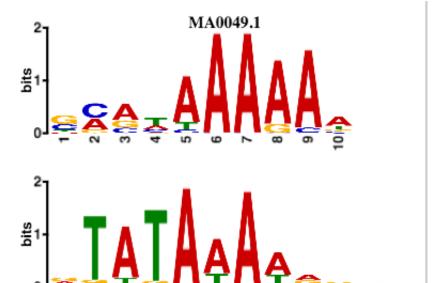
Alignment



p-value1.01e-02E-value9.89e+00q-value1.00e+00

Overlap 10
Offset 0
Orientation Normal

Show logo download options



motif\_10\_1

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 Desire

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\_group7.txt

Result calculation took 9.832 seconds