



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

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. [\[full text\]](#)

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## QUERY MOTIFS

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Database	Name	Alt. Name	Preview	Matches	
motif group8	motif_10_5	5-CRCTAGATGGCG		19	<a href="#">MA0531.</a> <a href="#">MA0139.</a>
motif group8	motif_Train1_4	6-MWAGATGGCK		5	<a href="#">MA0095.</a> <a href="#">MA0531.</a>
motif group8	motif_Train2_5	8-CWAGATGGCG		10	<a href="#">MA0095.</a> <a href="#">MA0531.</a>
motif group8	motif_Train3_4	6-WAGATGGCKN		16	<a href="#">MA0095.</a> <a href="#">MA0531.</a>
motif group8	motif_Train4_5	8-CMAGATGGCG		10	<a href="#">MA0095.</a> <a href="#">MA0531.</a>
motif group8	motif_Train5_4	5-CAAGATGGCG		9	<a href="#">MA0095.</a> <a href="#">MA0531.</a>
motif group8	motif_Train6_4	6-CRMYAGATGGCG		19	<a href="#">MA0531.</a> <a href="#">MA0139.</a>
motif group8	motif_Train7_4	7-AGATGGCKGY		9	<a href="#">MA0095.</a> <a href="#">MA0531.</a>
motif group8	motif_Train8_4	6-AAGATGGCGG		12	<a href="#">MA0095.</a> <a href="#">MA0373.</a>

motif  
group8

motif\_Train9\_5

7-WAGATGGCKS

TOMTOM



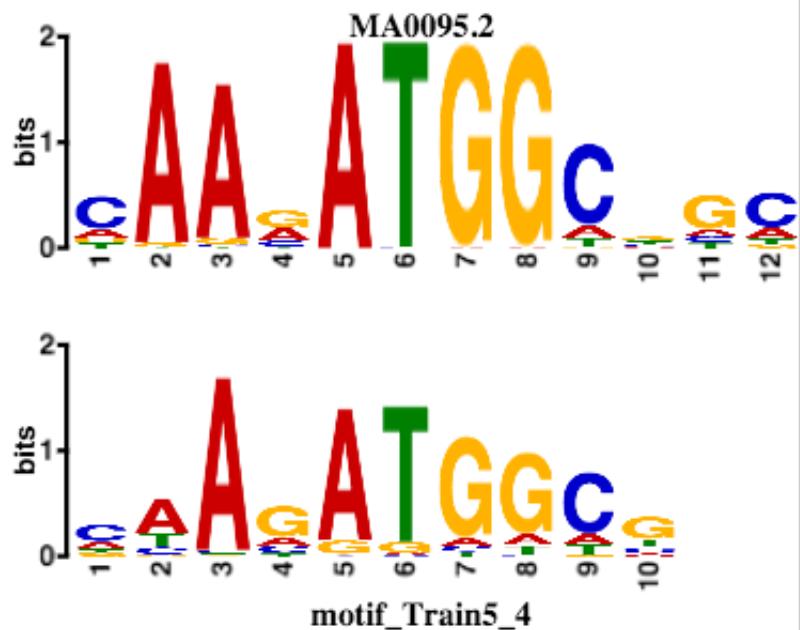
11

[MA0095.](#)[MA0531.](#)**TARGET DATABASES**[Previous](#) [Next](#) [Top](#)

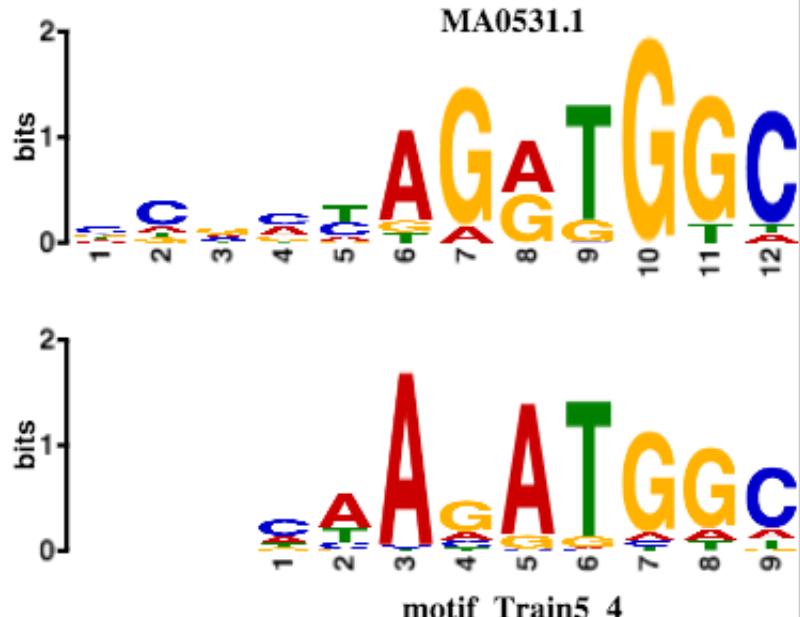
Database	Used	Matched
uniprobe mouse	386	19
JASPAR CORE 2014	593	22

**MATCHES TO MOTIF\_TRAIN5\_4 (5'-CAAGATGGCG)**[Previous](#) [Next](#) [Top](#)**Summary****Alignment**

<b>Name</b>	<a href="#">MA0095.2 (YY1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	8.14e-08
<b>E-value</b>	7.96e-05
<b>q-value</b>	1.59e-04
<b>Overlap</b>	10
<b>Offset</b>	0
<b>Orientation</b>	Normal
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**Summary****Alignment**

<b>Name</b>	<a href="#">MA0531.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	3.38e-05
<b>E-value</b>	3.31e-02
<b>q-value</b>	3.31e-02
<b>Overlap</b>	10
<b>Offset</b>	3
<b>Orientation</b>	Normal
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**Summary****Alignment**

**Name** MA0373.1 (RPN4)  
**Database** JASPAR CORE 2014

**p-value** 1.08e-03  
**E-value** 1.06e+00  
**q-value** 5.36e-01

**Overlap** 7  
**Offset** -3  
**Orientation** Normal

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**Summary****Alignment**

**Name** MA0461.1 (Atoh1)  
**Database** JASPAR CORE 2014

**p-value** 1.10e-03  
**E-value** 1.07e+00  
**q-value** 5.36e-01

**Overlap** 8  
**Offset** -1  
**Orientation** Normal

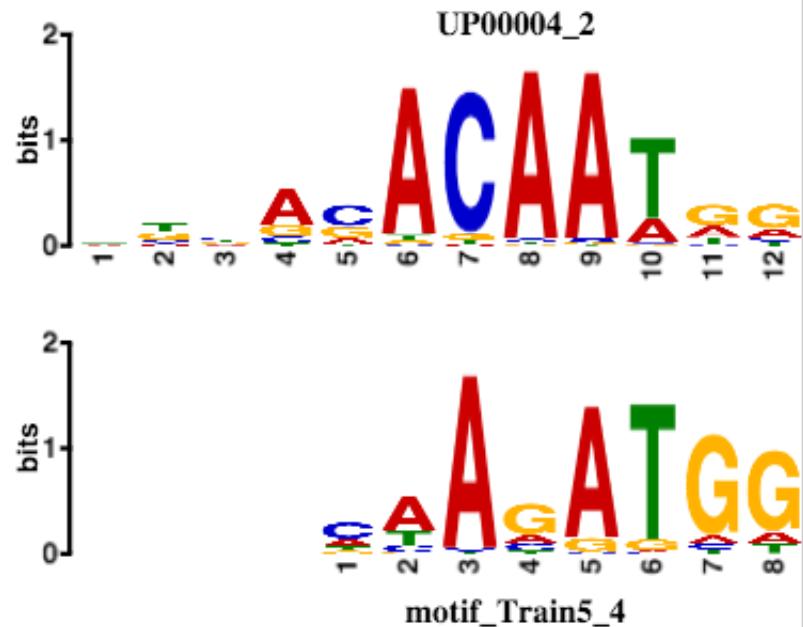
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**Summary****Alignment**

**Name** UP00004\_2  
**(Sox14 secondary)**  
**Database** uniprobe mouse

**p-value** 2.00e-03  
**E-value** 1.96e+00  
**q-value** 7.84e-01

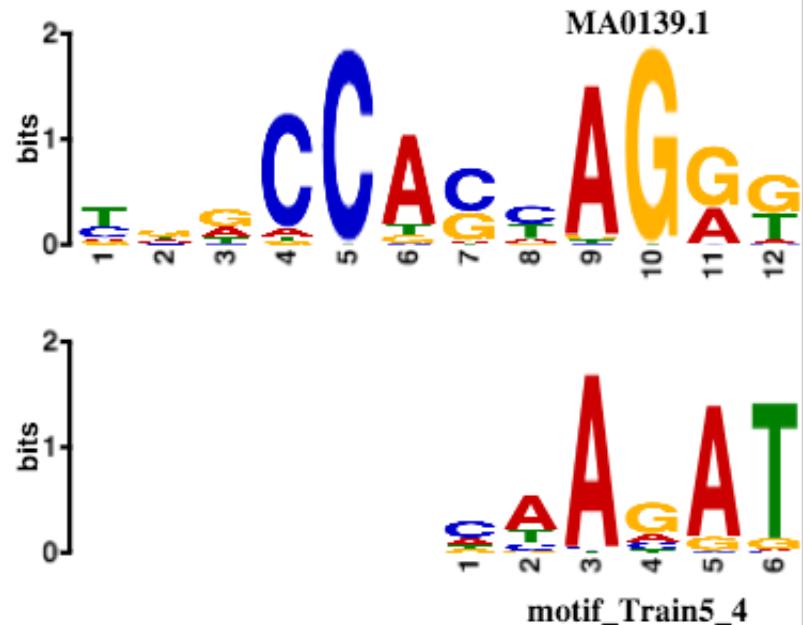
**Overlap** 10  
**Offset** 4  
**Orientation** Normal

[Show logo download options](#)**Summary**

**Name** [MA0139.1 \(CTCF\)](#)  
**Database** JASPAR CORE 2014

**p-value** 3.52e-03  
**E-value** 3.45e+00  
**q-value** 1.00e+00

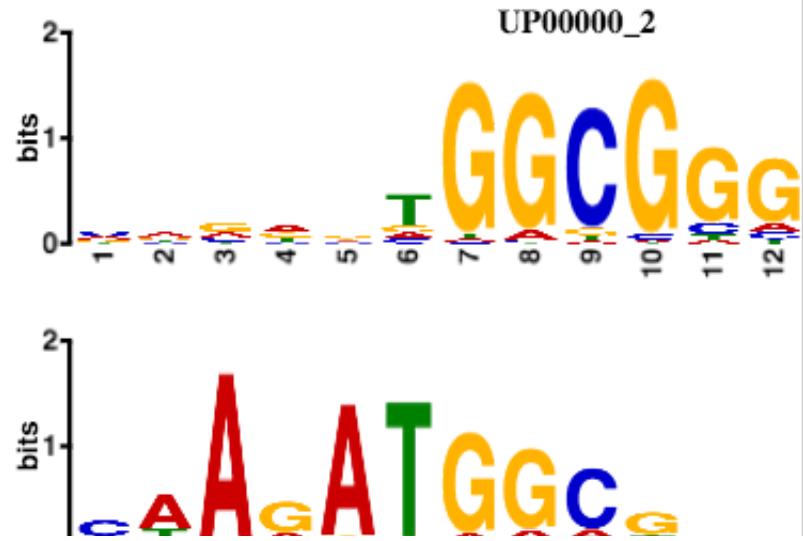
**Overlap** 10  
**Offset** 6  
**Orientation** Normal

[Show logo download options](#)**Alignment****Summary**

**Name** [UP00000\\_2 \(Smad3 secondary\)](#)  
**Database** uniprobe mouse

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

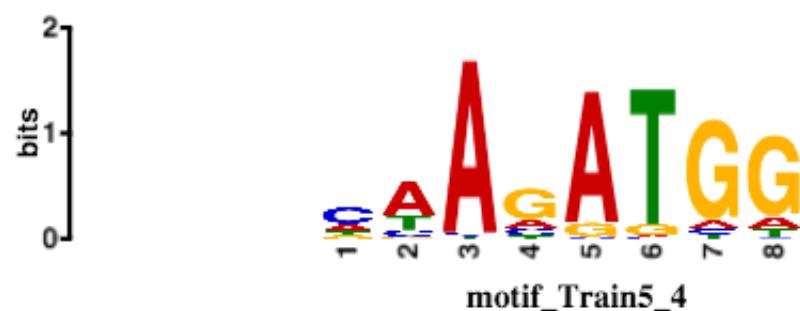
**Overlap** 10  
**Offset** 0  
**Orientation** Reverse Complement

**Alignment**

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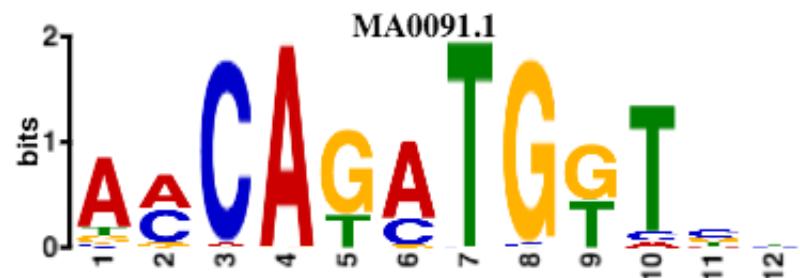
<b>Name</b>	<a href="#">UP00046_2</a> (Tcfe2a secondary)
<b>Database</b>	uniprobe mouse
<b>p-value</b>	8.06e-03
<b>E-value</b>	7.89e+00
<b>q-value</b>	1.00e+00

**Overlap** 10  
**Offset** 4  
**Orientation** Normal

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<b>Name</b>	<a href="#">MA0091.1</a> (TAL1::TCF3)
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	8.95e-03
<b>E-value</b>	8.76e+00
<b>q-value</b>	1.00e+00

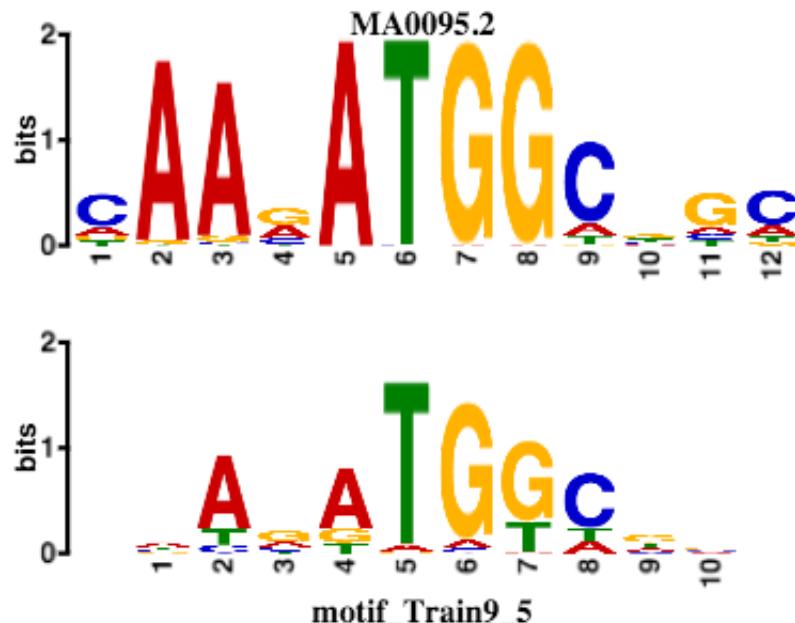
**Overlap** 10  
**Offset** 1  
**Orientation** Reverse Complement

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**MATCHES TO MOTIF\_TRAIN9\_5 (7-WAGATGGCKS)**[Previous](#) [Next](#) [Top](#)**Summary**

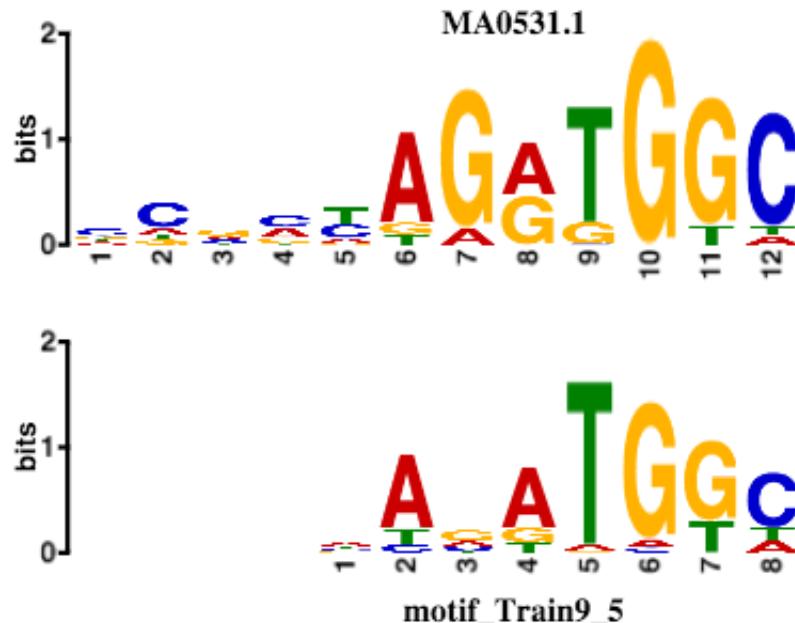
<b>Name</b>	<a href="#">MA0095.2 (YY1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	8.08e-08
<b>E-value</b>	7.91e-05
<b>q-value</b>	1.58e-04
<b>Overlap</b>	10
<b>Offset</b>	1
<b>Orientation</b>	Normal

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**Alignment****Summary**

<b>Name</b>	<a href="#">MA0531.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	6.08e-04
<b>E-value</b>	5.96e-01
<b>q-value</b>	5.96e-01
<b>Overlap</b>	10
<b>Offset</b>	4
<b>Orientation</b>	Normal

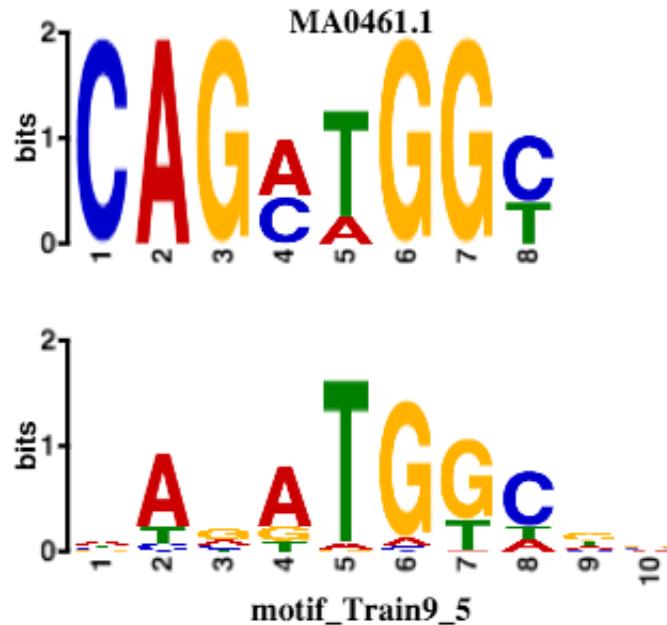
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**Alignment****Summary**

<b>Name</b>	<a href="#">MA0461.1 (Atoh1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	1.36e-03
<b>E-value</b>	1.33e+00
<b>q-value</b>	8.41e-01
<b>Overlap</b>	8
<b>Offset</b>	0

**Alignment**

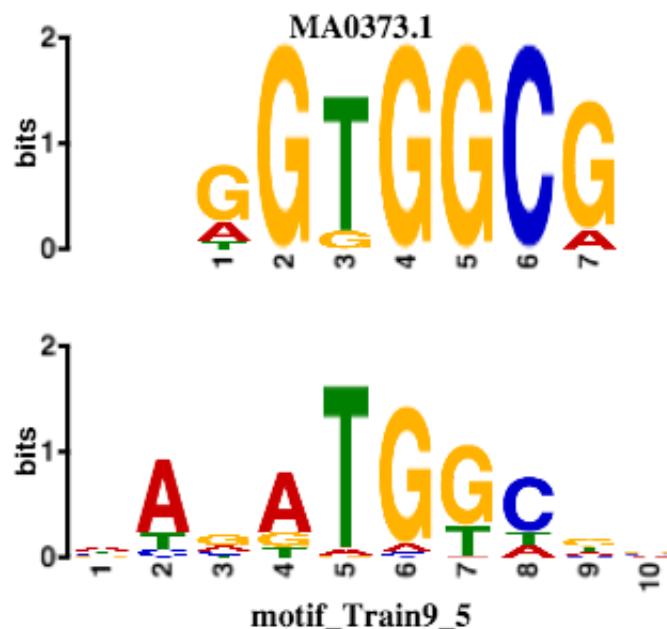
**Orientation** Normal  
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**Summary****Alignment**

**Name** [MA0373.1 \(RPN4\)](#)  
**Database** JASPAR CORE 2014

**p-value** 1.80e-03  
**E-value** 1.76e+00  
**q-value** 8.41e-01

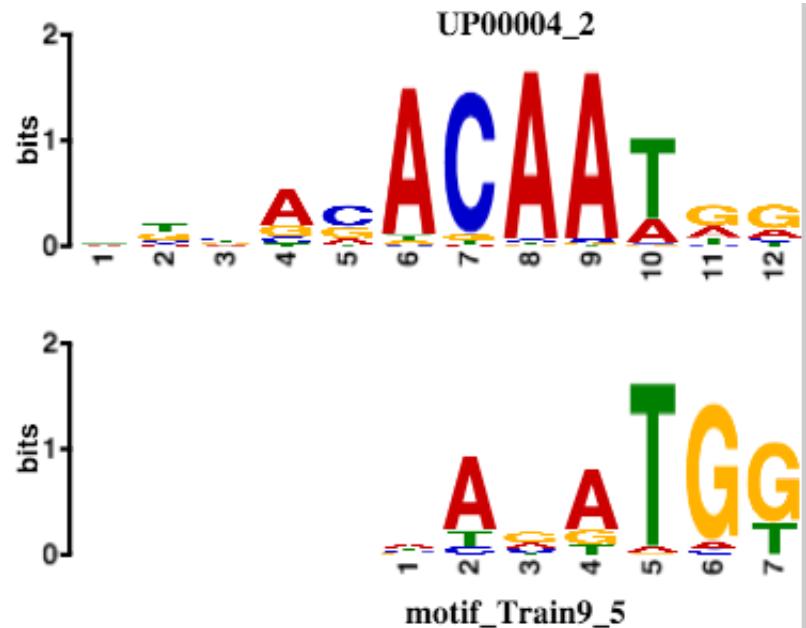
**Overlap** 7  
**Offset** -2  
**Orientation** Normal  
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**Summary****Alignment**

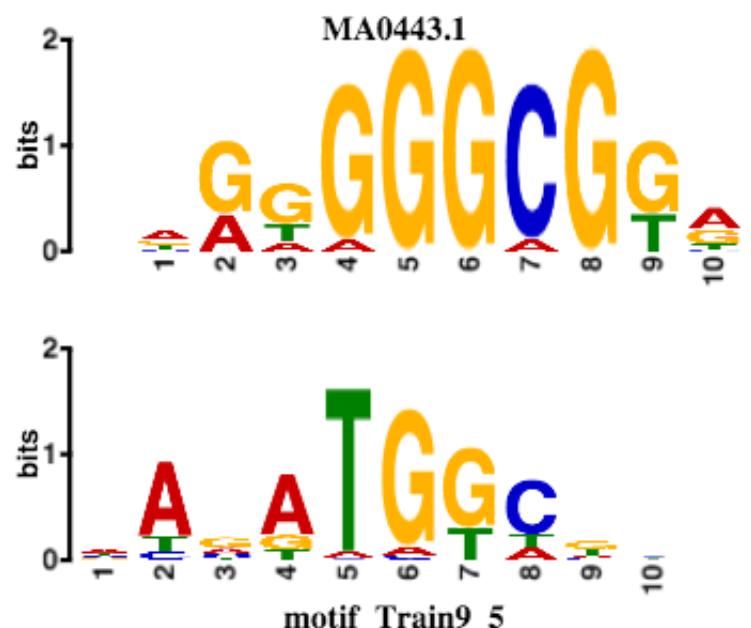
**Name** [UP00004\\_2 \(Sox14 secondary\)](#)  
**Database** uniprobe mouse

**p-value** 2.18e-03  
**E-value** 2.13e+00  
**q-value** 8.41e-01

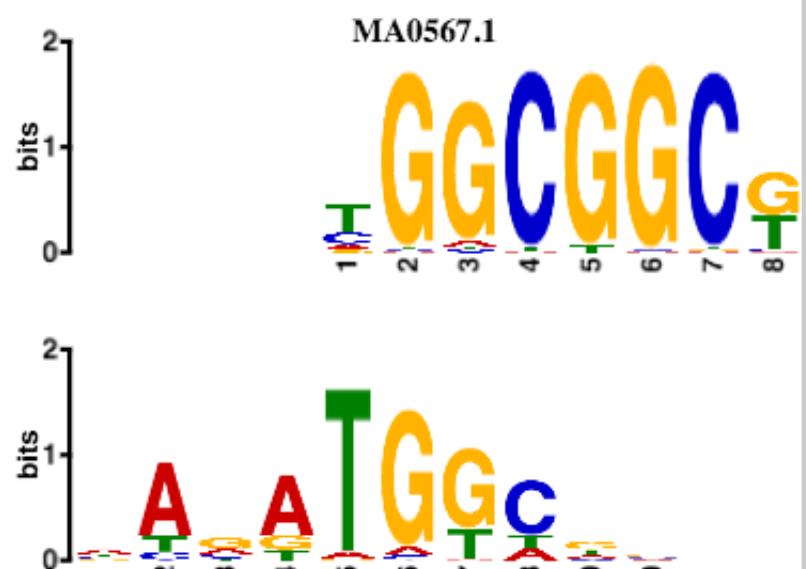
**Overlap** 10  
**Offset** 5  
**Orientation** Normal  
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**Summary****Alignment**

<b>Name</b>	<a href="#">MA0443.1 (btd)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	2.58e-03
<b>E-value</b>	2.52e+00
<b>q-value</b>	8.41e-01
<b>Overlap</b>	9
<b>Offset</b>	-1
<b>Orientation</b>	Normal
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**Summary****Alignment**

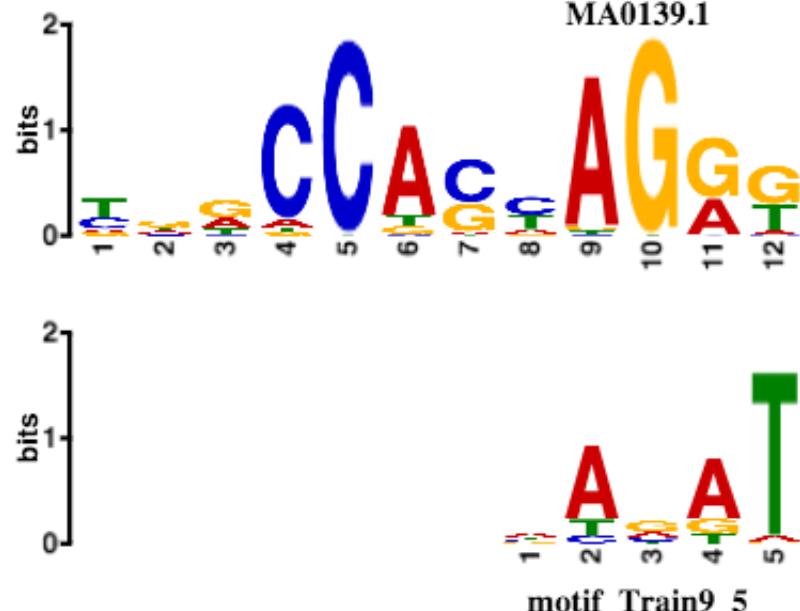
<b>Name</b>	<a href="#">MA0567.1 (ERF1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	3.81e-03
<b>E-value</b>	3.73e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	6
<b>Offset</b>	-4
<b>Orientation</b>	Reverse Complement
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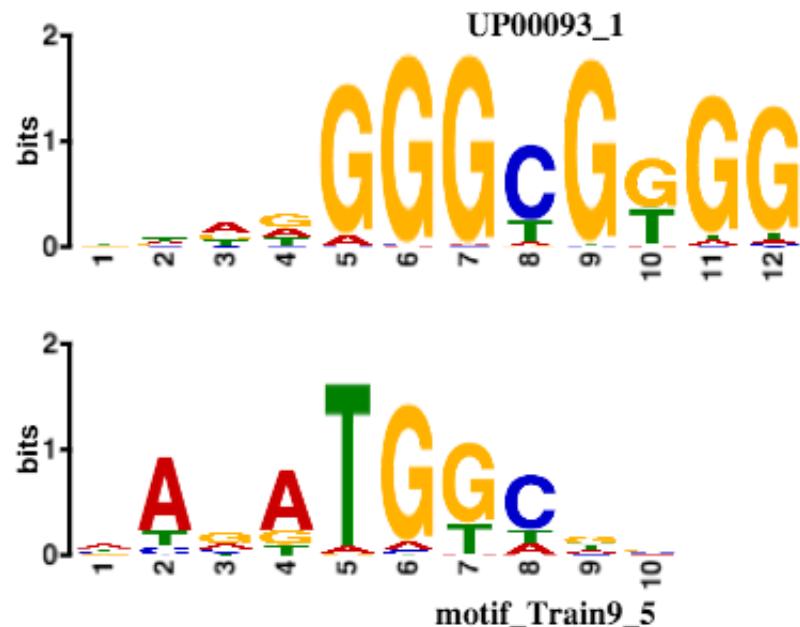
motif\_Train9\_5

**Summary****Alignment**

<b>Name</b>	<a href="#">MA0139.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	5.79e-03
<b>E-value</b>	5.67e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	10
<b>Offset</b>	7
<b>Orientation</b>	Normal

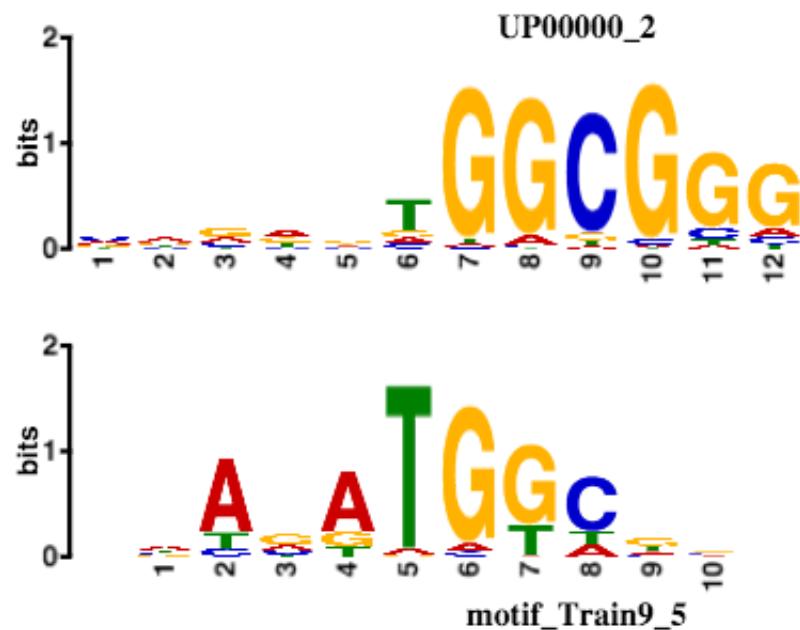
[Show logo download options](#)**Summary****Alignment**

<b>Name</b>	<a href="#">UP00093_1 (Klf7 primary)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	5.96e-03
<b>E-value</b>	5.83e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	10
<b>Offset</b>	0
<b>Orientation</b>	Reverse Complement

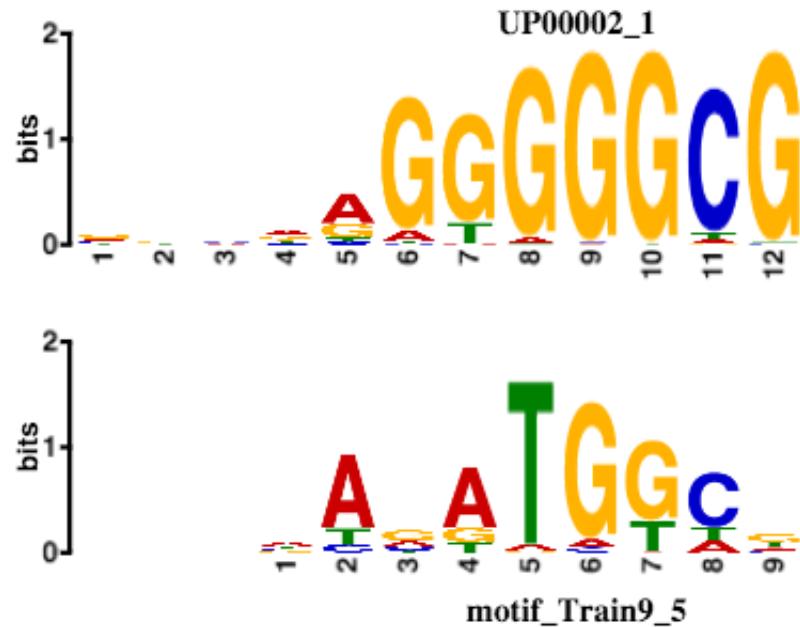
[Show logo download options](#)**Summary****Alignment**

<b>Name</b>	<a href="#">UP00000_2 (Smad3 secondary)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	7.70e-03
<b>E-value</b>	7.54e+00
<b>q-value</b>	1.00e+00

**Overlap** 10  
**Offset** 1  
**Orientation** Reverse  
Complement  
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**Summary**

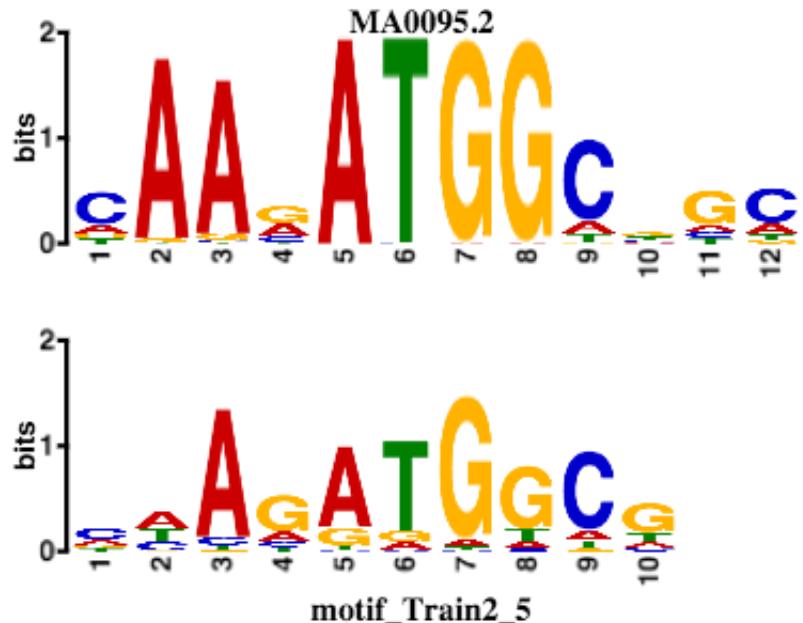
**Name** [UP00002\\_1](#)  
**Database** uniprobe mouse  
**p-value** 7.70e-03  
**E-value** 7.54e+00  
**q-value** 1.00e+00  
**Overlap** 10  
**Offset** 3  
**Orientation** Reverse  
Complement  
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**Alignment****MATCHES TO MOTIF\_TRAIN2\_5 (8-CWAGATGGCG)**
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**Summary**

**Name** [MA0095.2 \(YY1\)](#)  
**Database** JASPAR CORE 2014  
**p-value** 2.77e-07

**Alignment**

<b>E-value</b>	2.71e-04
<b>q-value</b>	5.42e-04
<b>Overlap</b>	10
<b>Offset</b>	0
<b>Orientation</b>	Normal

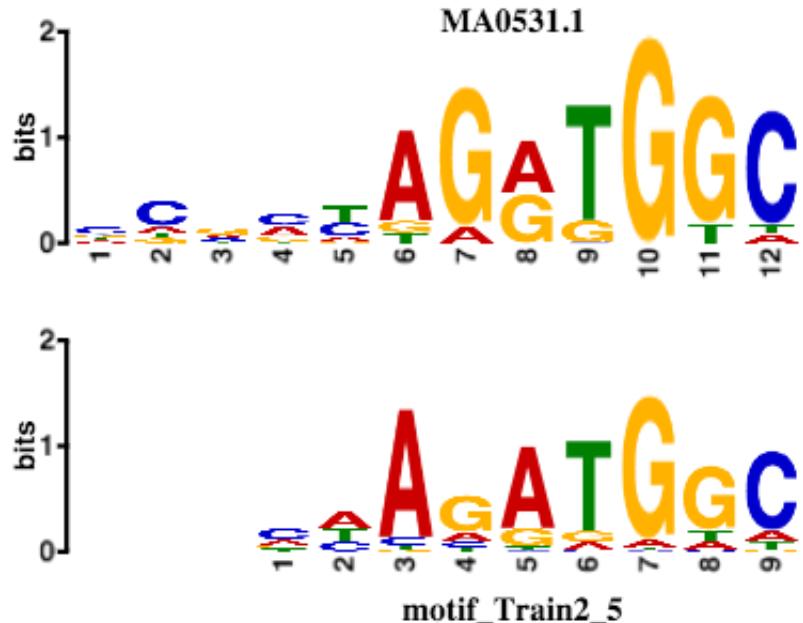
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## Summary

<b>Name</b>	<a href="#">MA0531.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	3.12e-06
<b>E-value</b>	3.06e-03
<b>q-value</b>	3.06e-03
<b>Overlap</b>	10
<b>Offset</b>	3
<b>Orientation</b>	Normal

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## Alignment

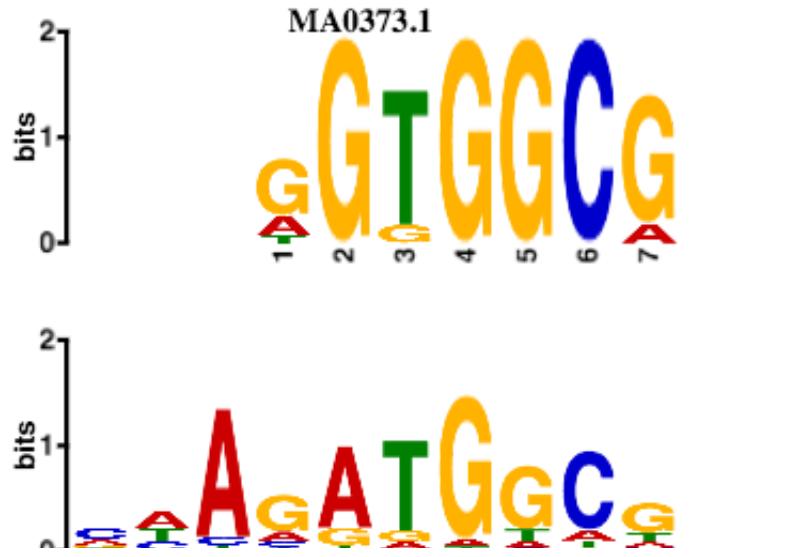


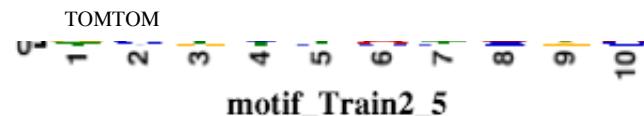
## Summary

<b>Name</b>	<a href="#">MA0373.1 (RPN4)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	4.26e-04
<b>E-value</b>	4.17e-01
<b>q-value</b>	2.13e-01
<b>Overlap</b>	7
<b>Offset</b>	-3
<b>Orientation</b>	Normal

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## Alignment



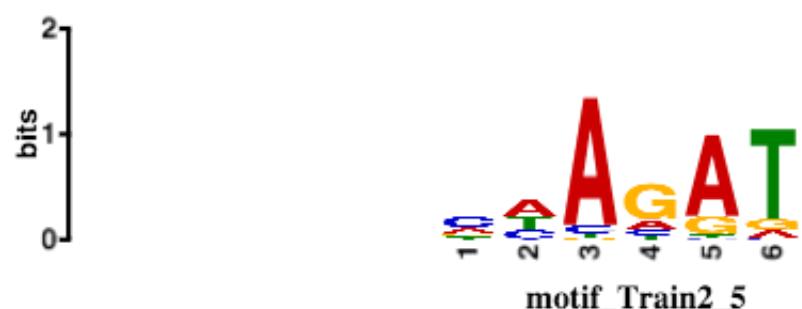
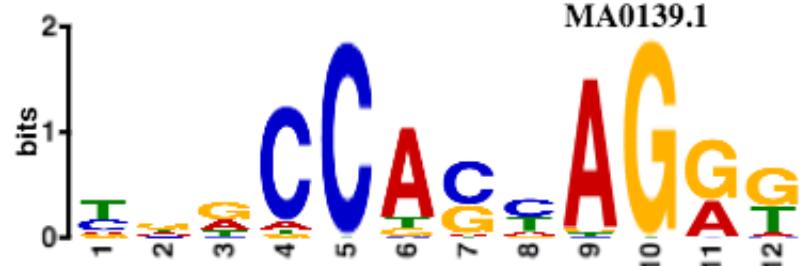
**Summary****Alignment**

**Name** [MA0139.1 \(CTCF\)](#)  
**Database** JASPAR CORE 2014

**p-value** 4.34e-04  
**E-value** 4.25e-01  
**q-value** 2.13e-01

**Overlap** 10  
**Offset** 6  
**Orientation** Normal

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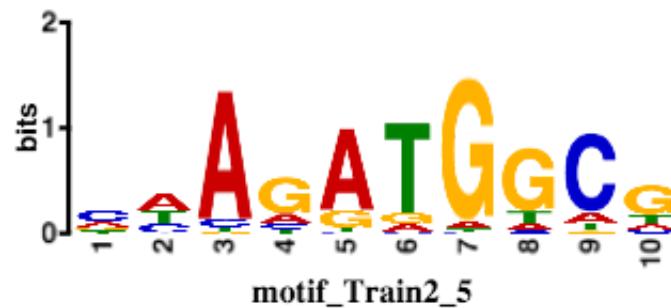
**Summary****Alignment**

**Name** [MA0461.1 \(Atoh1\)](#)  
**Database** JASPAR CORE 2014

**p-value** 9.55e-04  
**E-value** 9.35e-01  
**q-value** 3.74e-01

**Overlap** 8  
**Offset** -1  
**Orientation** Normal

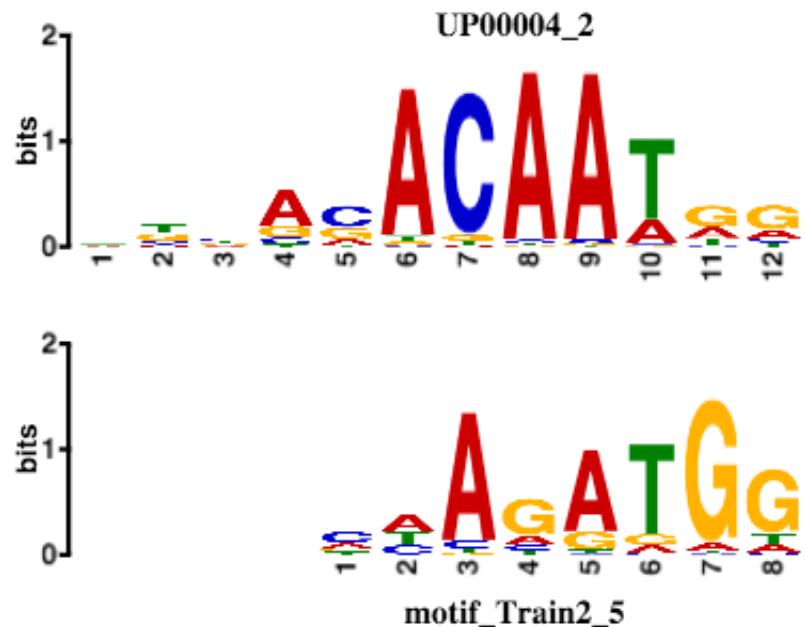
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**Summary****Alignment**

**Name** [UP00004\\_2 \(Sox14 secondary\)](#)  
**Database** uniprobe mouse

**p-value** 2.86e-03  
**E-value** 2.80e+00  
**q-value** 9.34e-01

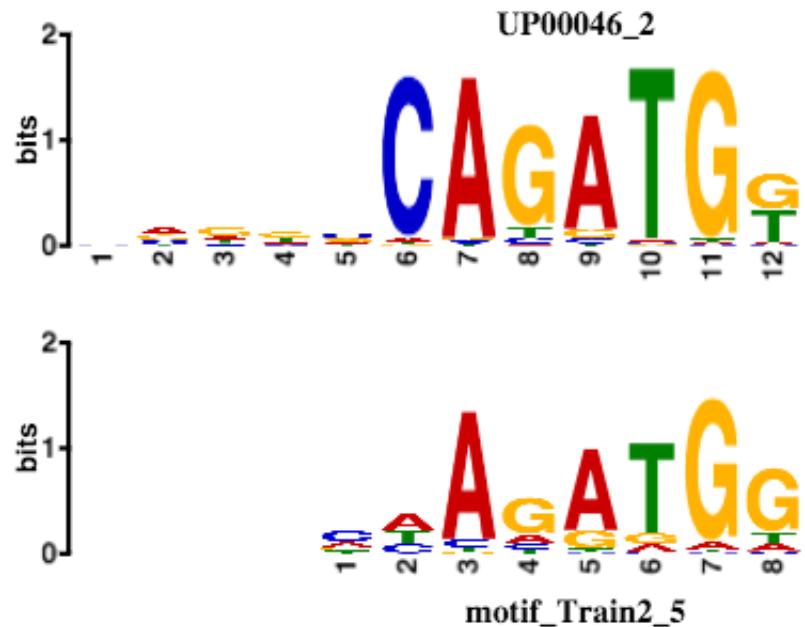
**Overlap** 10  
**Offset** 4  
**Orientation** Normal  
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## Summary

**Name** [UP00046\\_2](#)  
**Database** (Tcfe2a secondary)  
 uniprobe mouse  
**p-value** 5.29e-03  
**E-value** 5.18e+00  
**q-value** 1.00e+00  
**Overlap** 10  
**Offset** 4  
**Orientation** Normal  
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## Alignment



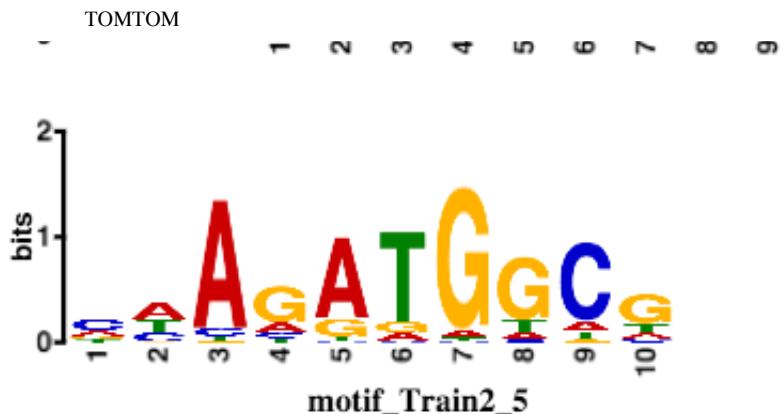
## Summary

**Name** [MA0397.1 \(STP4\)](#)  
**Database** JASPAR CORE 2014  
**p-value** 7.63e-03  
**E-value** 7.47e+00

## Alignment



<b><i>q</i>-value</b>	1.00e+00
<b>Overlap</b>	7
<b>Offset</b>	-3
<b>Orientation</b>	Normal
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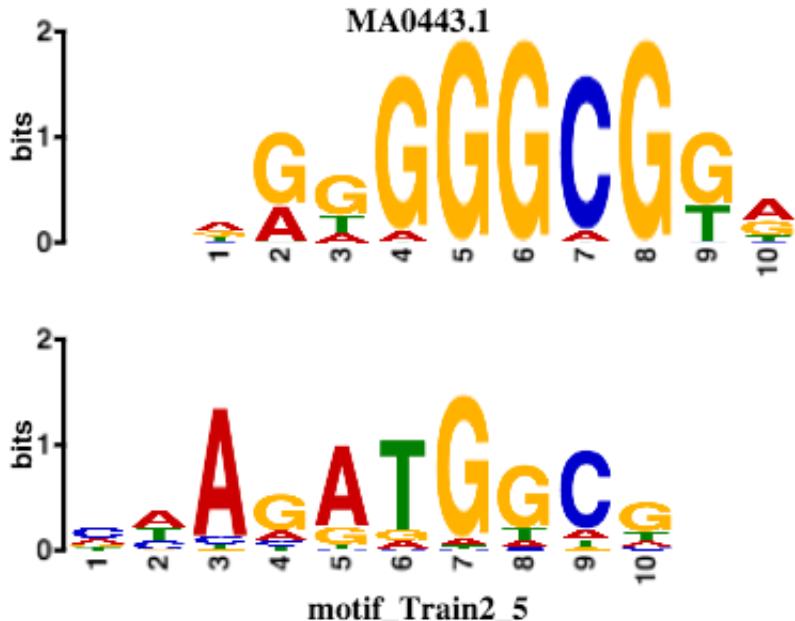


## Summary

## Alignment

<b>Name</b>	<a href="#">MA0443.1 (btd)</a>
<b>Database</b>	JASPAR CORE 2014
<b><i>p</i>-value</b>	7.72e-03
<b><i>E</i>-value</b>	7.56e+00
<b><i>q</i>-value</b>	1.00e+00
<b>Overlap</b>	8
<b>Offset</b>	-2
<b>Orientation</b>	Normal

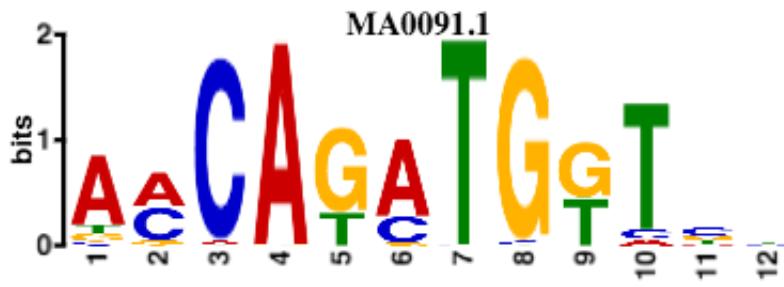
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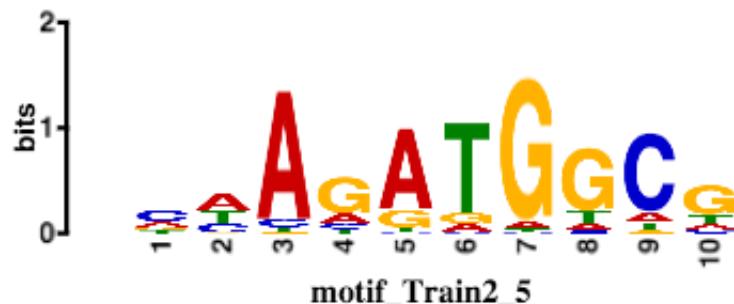
## Summary

## Alignment

<b>Name</b>	<a href="#">MA0091.1 (TAL1::TCF3)</a>
<b>Database</b>	JASPAR CORE 2014
<b><i>p</i>-value</b>	7.92e-03
<b><i>E</i>-value</b>	7.75e+00
<b><i>q</i>-value</b>	1.00e+00



<b>Overlap</b>	10
<b>Offset</b>	1
<b>Orientation</b>	Reverse Complement
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## MATCHES TO MOTIF\_TRAIN1\_4 (6-MWAGATGGCK)

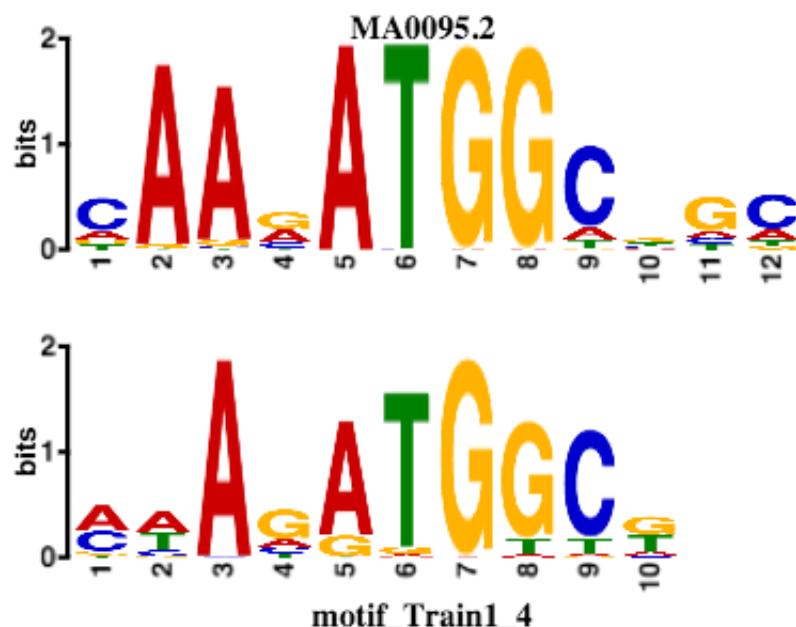
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### Summary

<b>Name</b>	<a href="#">MA0095.2 (YY1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	1.60e-06
<b>E-value</b>	1.57e-03
<b>q-value</b>	3.14e-03
<b>Overlap</b>	10
<b>Offset</b>	0
<b>Orientation</b>	Normal

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### Alignment

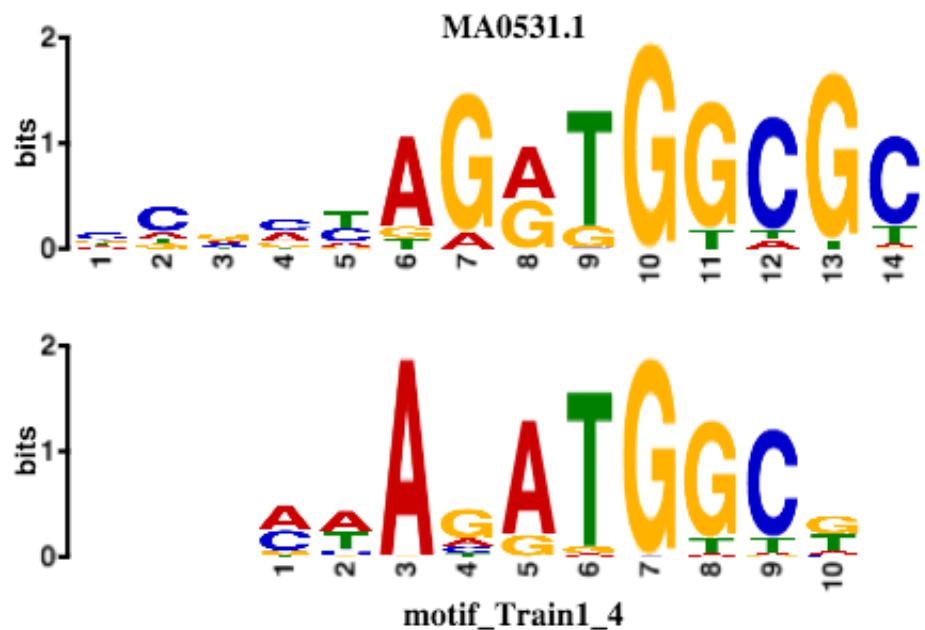


### Summary

<b>Name</b>	<a href="#">MA0531.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	7.08e-06
<b>E-value</b>	6.93e-03
<b>q-value</b>	6.93e-03
<b>Overlap</b>	10
<b>Offset</b>	3
<b>Orientation</b>	Normal

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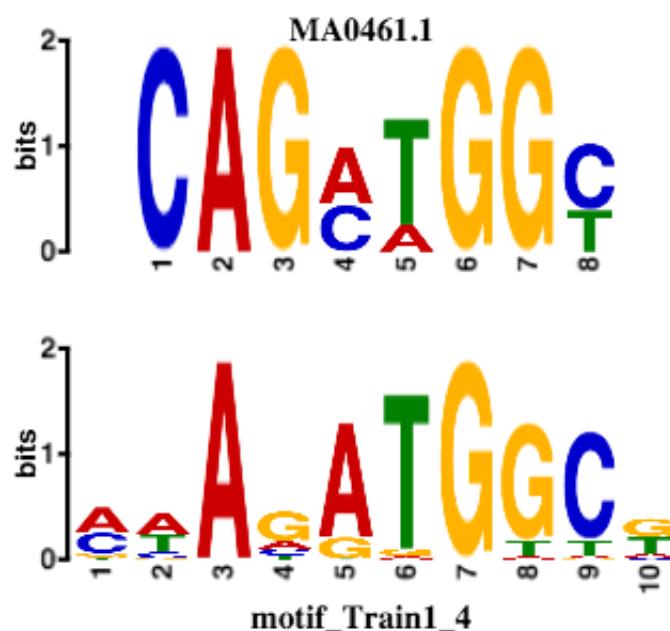
### Alignment



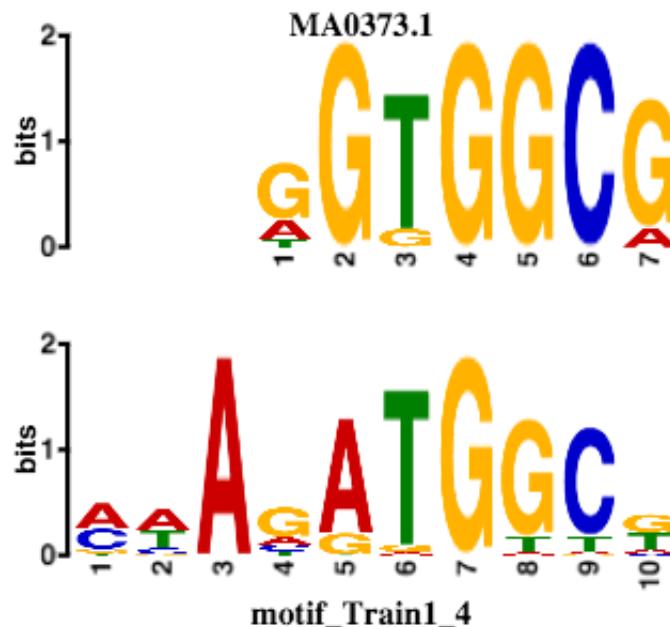
### Summary

### Alignment

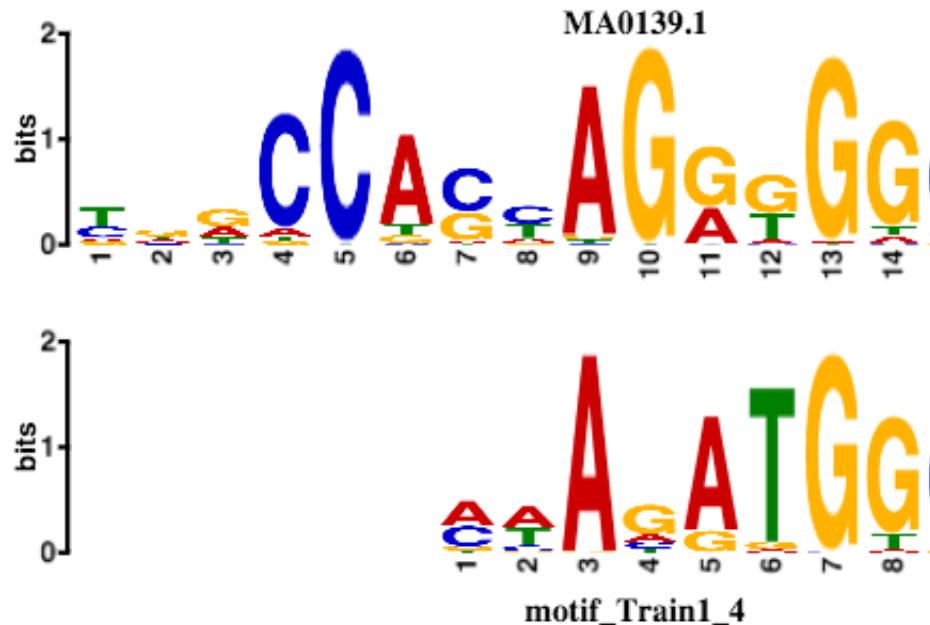
<b>Name</b>	<a href="#">MA0461.1 (Atoh1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	1.10e-03
<b>E-value</b>	1.07e+00
<b>q-value</b>	7.15e-01
<b>Overlap</b>	8
<b>Offset</b>	-1
<b>Orientation</b>	Normal
<a href="#">Show logo download options</a>	

**Summary****Alignment**

<b>Name</b>	<a href="#">MA0373.1 (RPN4)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	2.02e-03
<b>E-value</b>	1.98e+00
<b>q-value</b>	9.90e-01
<b>Overlap</b>	7
<b>Offset</b>	-3
<b>Orientation</b>	Normal
<a href="#">Show logo download options</a>	

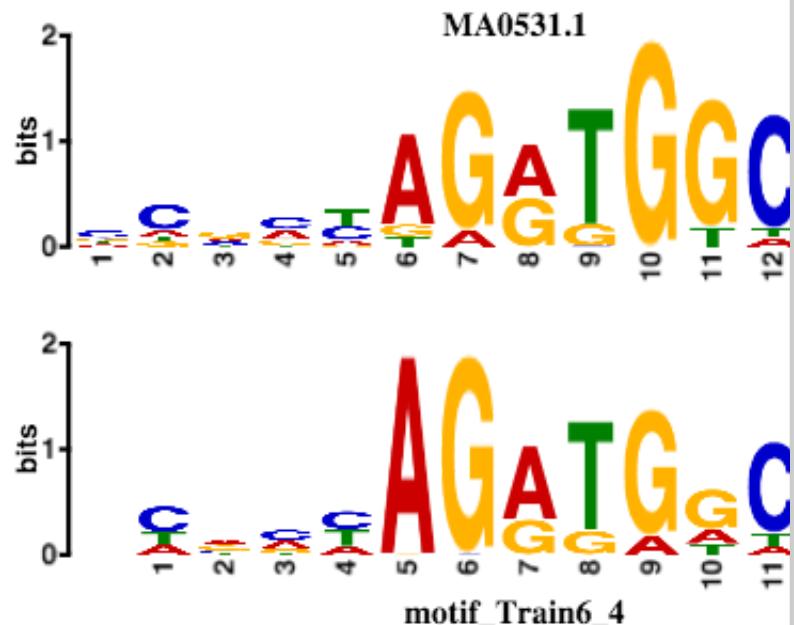
**Summary****Alignment**

<b>Name</b>	<a href="#">MA0139.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	7.74e-03
<b>E-value</b>	7.58e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	10
<b>Offset</b>	6
<b>Orientation</b>	Normal

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<b>Name</b>	<a href="#">MA0531.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	1.59e-10
<b>E-value</b>	1.56e-07
<b>q-value</b>	3.11e-07

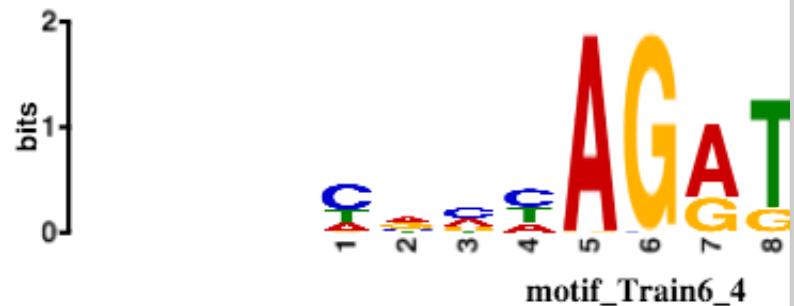
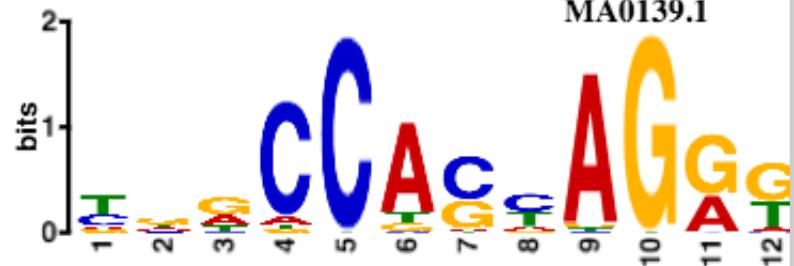
**Overlap** 12  
**Offset** 1  
**Orientation** Normal

[Show logo download options](#)**Alignment****Summary**

<b>Name</b>	<a href="#">MA0139.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	8.63e-07
<b>E-value</b>	8.45e-04
<b>q-value</b>	8.45e-04

**Alignment**

**Overlap** 12  
**Offset** 4  
**Orientation** Normal  
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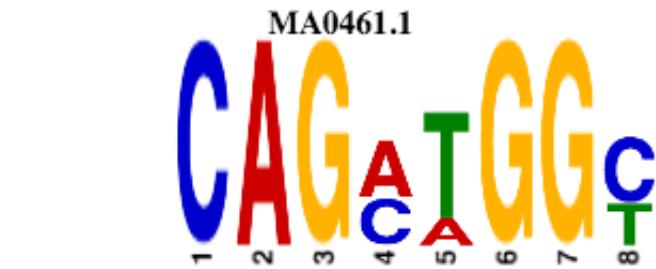
## Summary

**Name** [MA0461.1 \(Atoh1\)](#)  
**Database** JASPAR CORE 2014

**p-value** 8.87e-05  
**E-value** 8.68e-02  
**q-value** 5.79e-02

**Overlap** 8  
**Offset** -3  
**Orientation** Normal  
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## Alignment



## Summary

**Name** [MA0095.2 \(YY1\)](#)  
**Database** JASPAR CORE 2014

**p-value** 1.73e-04  
**E-value** 1.69e-01  
**q-value** 8.45e-02

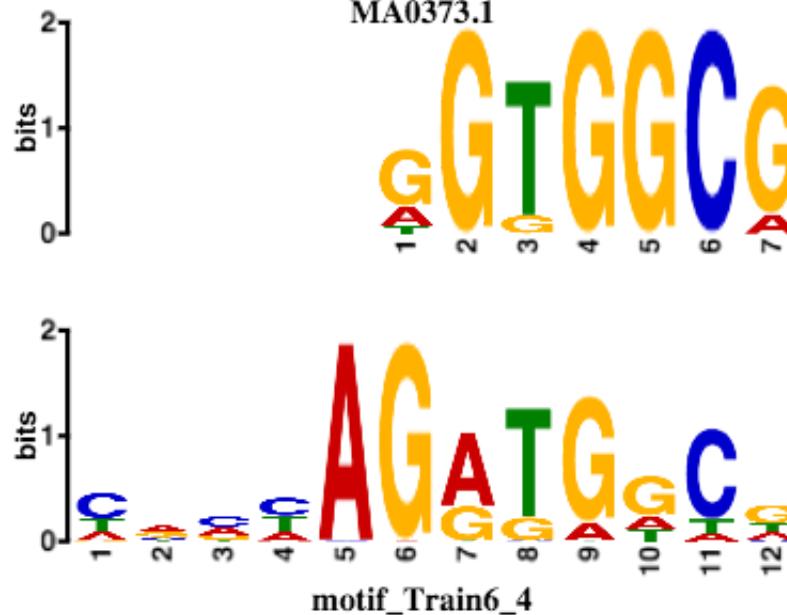
**Overlap** 10  
**Offset** -2  
**Orientation** Normal  
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## Alignment

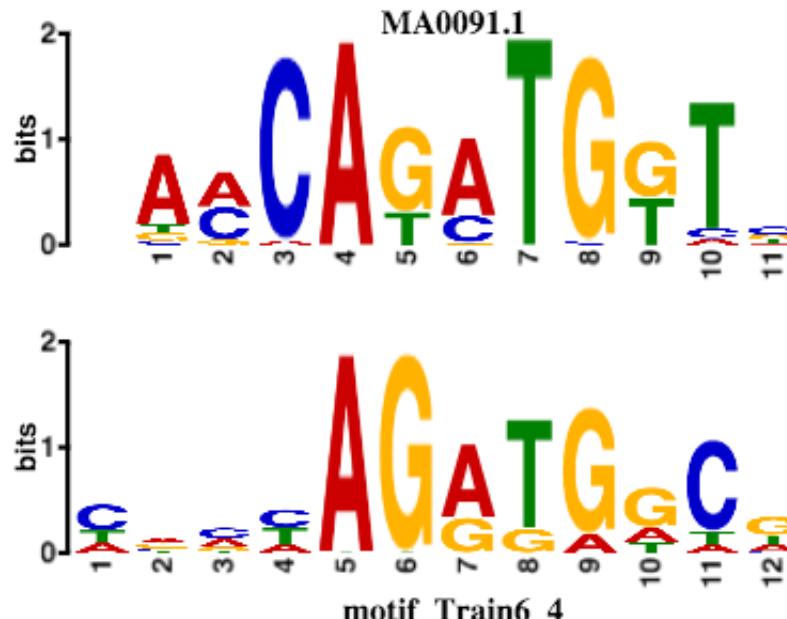


**Summary****Alignment**

<b>Name</b>	<a href="#">MA0373.1 (RPN4)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	3.18e-04
<b>E-value</b>	3.12e-01
<b>q-value</b>	1.25e-01
<b>Overlap</b>	7
<b>Offset</b>	-5
<b>Orientation</b>	Normal

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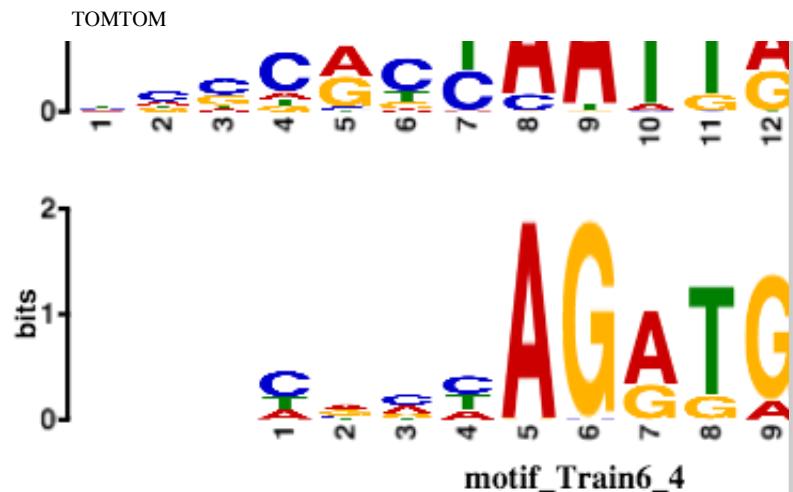
<b>Name</b>	<a href="#">MA0091.1 (TAL1::TCF3)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	1.06e-03
<b>E-value</b>	1.04e+00
<b>q-value</b>	3.45e-01
<b>Overlap</b>	11
<b>Offset</b>	-1
<b>Orientation</b>	Reverse Complement

[Show logo download options](#)**Summary****Alignment**

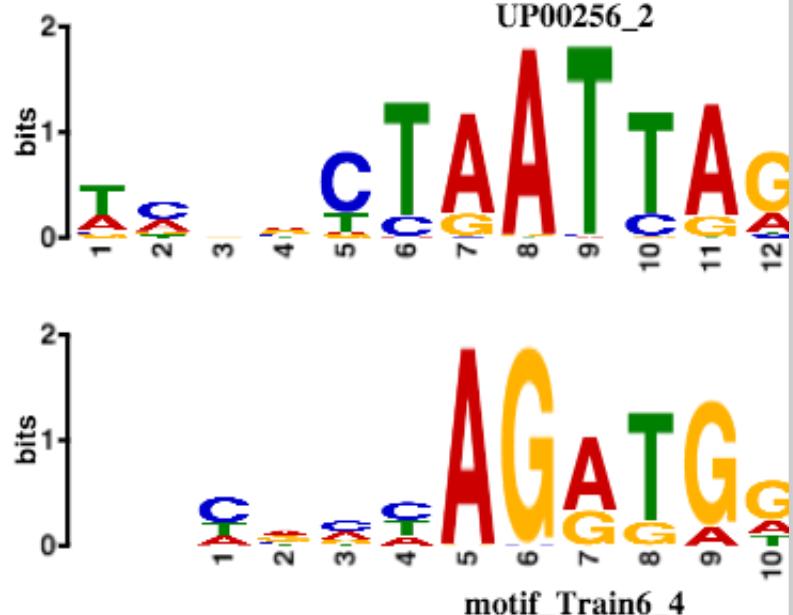
<b>Name</b>	<a href="#">UP00220_1 (Nkx1-1_3856.3)</a>
<b>Database</b>	uniprobe mouse



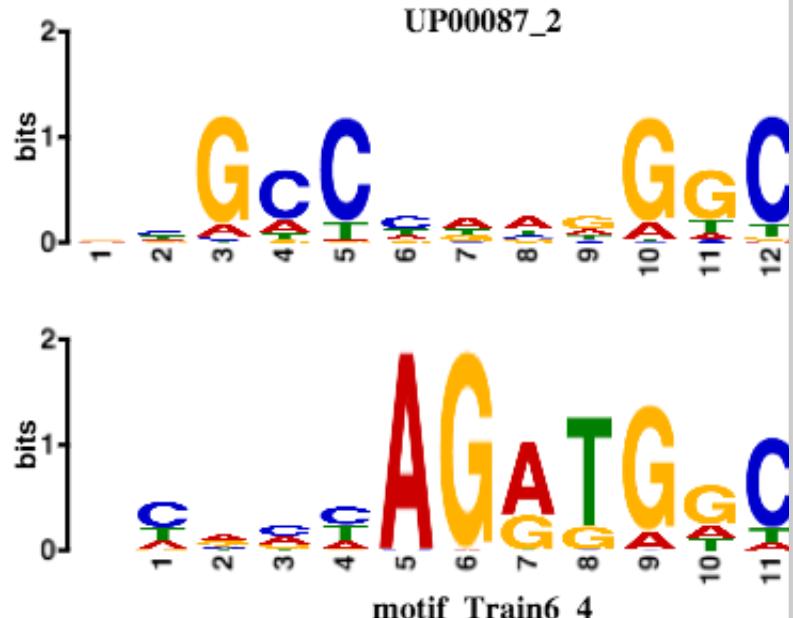
<b>p-value</b>	1.41e-03
<b>E-value</b>	1.38e+00
<b>q-value</b>	3.95e-01
<b>Overlap</b>	12
<b>Offset</b>	3
<b>Orientation</b>	Reverse Complement
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**Summary****Alignment**

<b>Name</b>	<a href="#">UP00256_2</a> <a href="#">(Lhx6_3432.1)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	3.52e-03
<b>E-value</b>	3.45e+00
<b>q-value</b>	7.67e-01
<b>Overlap</b>	12
<b>Offset</b>	2
<b>Orientation</b>	Normal
 <a href="#">Show logo download options</a>	

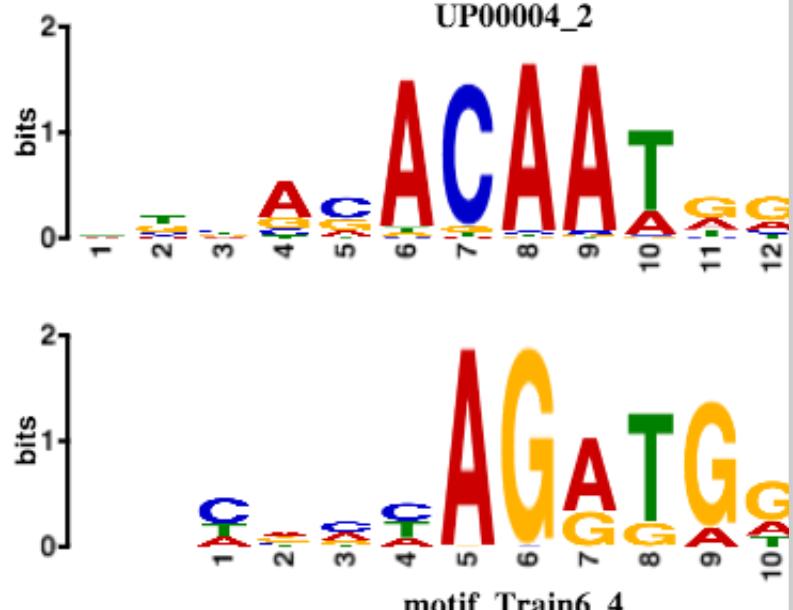
**Summary****Alignment**

<b>Name</b>	<a href="#">UP00087_2</a> <a href="#">(Tcfap2c_secondary)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	4.72e-03
<b>E-value</b>	4.62e+00
<b>q-value</b>	7.99e-01
<b>Overlap</b>	12
<b>Offset</b>	1
<b>Orientation</b>	Normal
 <a href="#">Show logo download options</a>	

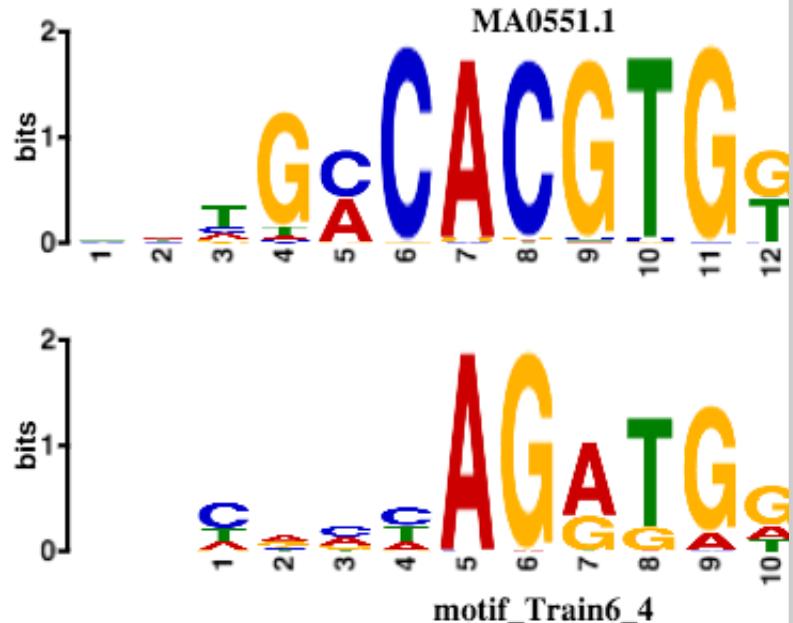


**Summary**

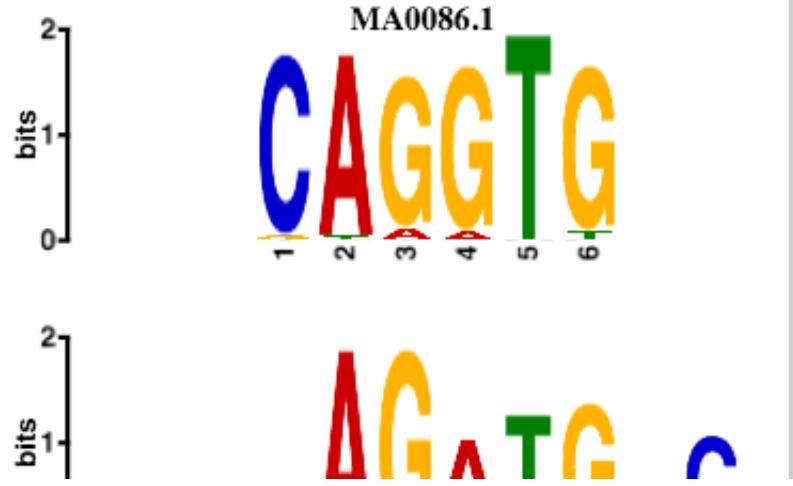
<b>Name</b>	<a href="#">UP00004_2 (Sox14 secondary)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	5.37e-03
<b>E-value</b>	5.26e+00
<b>q-value</b>	7.99e-01
<b>Overlap</b>	12
<b>Offset</b>	2
<b>Orientation</b>	Normal

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<b>Name</b>	<a href="#">MA0551.1 (HY5)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	5.93e-03
<b>E-value</b>	5.81e+00
<b>q-value</b>	7.99e-01
<b>Overlap</b>	12
<b>Offset</b>	2
<b>Orientation</b>	Normal

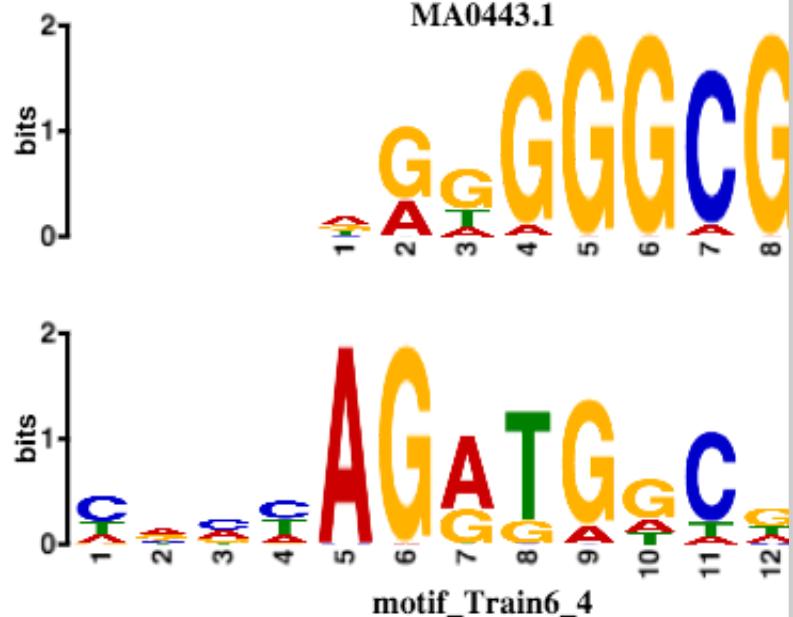
[Show logo download options](#)**Alignment****Summary**

<b>Name</b>	<a href="#">MA0086.1 (sna)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	6.06e-03
<b>E-value</b>	5.94e+00
<b>q-value</b>	7.99e-01
<b>Overlap</b>	6
<b>Offset</b>	-3
<b>Orientation</b>	Normal

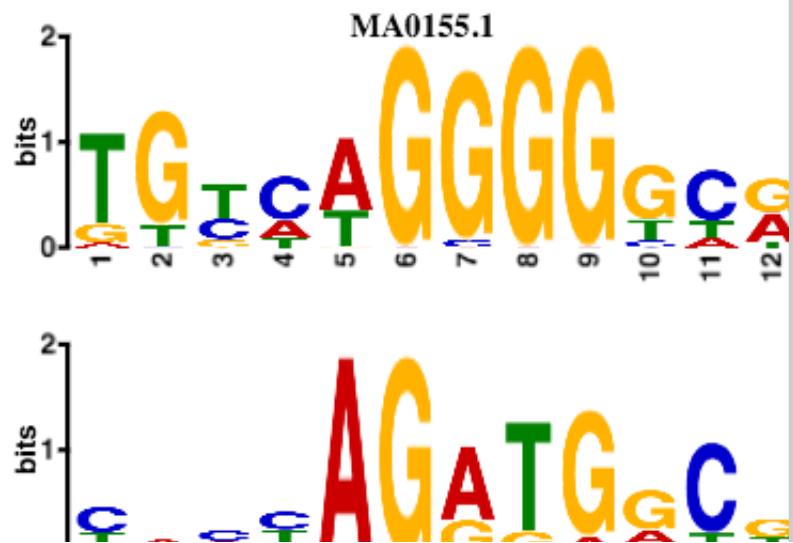
[Show logo download options](#)**Alignment**

[Show logo download options](#)**Summary****Alignment**

<b>Name</b>	<a href="#">MA0443.1 (btd)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	7.05e-03
<b>E-value</b>	6.90e+00
<b>q-value</b>	8.11e-01
<b>Overlap</b>	8
<b>Offset</b>	-4
<b>Orientation</b>	Normal

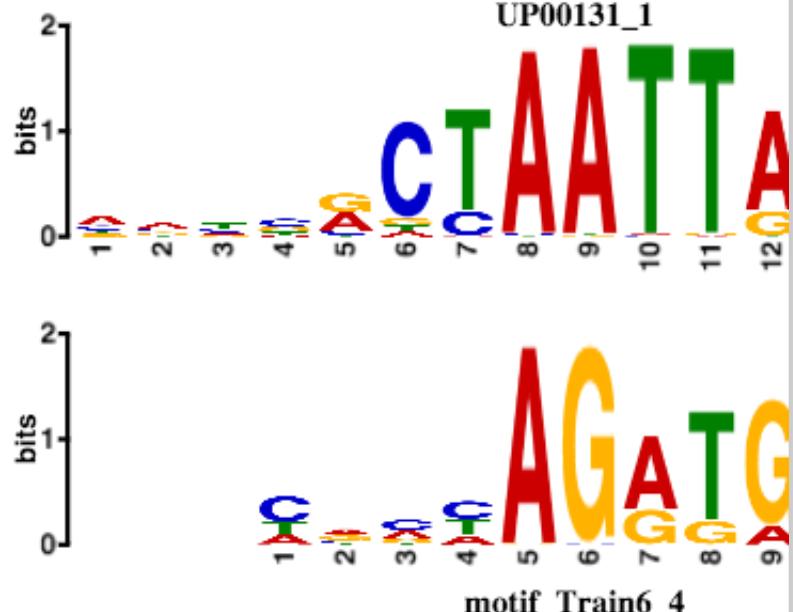
[Show logo download options](#)**Summary****Alignment**

<b>Name</b>	<a href="#">MA0155.1 (INSM1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	7.31e-03
<b>E-value</b>	7.15e+00
<b>q-value</b>	8.11e-01
<b>Overlap</b>	12
<b>Offset</b>	0
<b>Orientation</b>	Normal

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**Summary**

<b>Name</b>	<a href="#">UP00131_1</a> (Gbx2_3110.1)
<b>Database</b>	uniprobe mouse
<b>p-value</b>	8.27e-03
<b>E-value</b>	8.10e+00
<b>q-value</b>	8.11e-01
<b>Overlap</b>	12
<b>Offset</b>	3
<b>Orientation</b>	Reverse Complement
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**Alignment****Summary**

<b>Name</b>	<a href="#">MA0147.2 (Myc)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	8.64e-03
<b>E-value</b>	8.45e+00
<b>q-value</b>	8.11e-01

**Alignment**

<b>Overlap</b>	10
<b>Offset</b>	0
<b>Orientation</b>	Reverse Complement
<a href="#">Show logo download options</a>	

**Summary****Alignment**

<b>Name</b>	<a href="#">MA0545.1 (HLH-1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	8.84e-03
<b>E-value</b>	8.65e+00
<b>q-value</b>	8.11e-01
<b>Overlap</b>	11
<b>Offset</b>	0
<b>Orientation</b>	Normal

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## Summary

<b>Name</b>	<a href="#">MA0561.1 (PIF4)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	9.36e-03
<b>E-value</b>	9.17e+00
<b>q-value</b>	8.11e-01

<b>Overlap</b>	8
<b>Offset</b>	-3
<b>Orientation</b>	Normal

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## Alignment



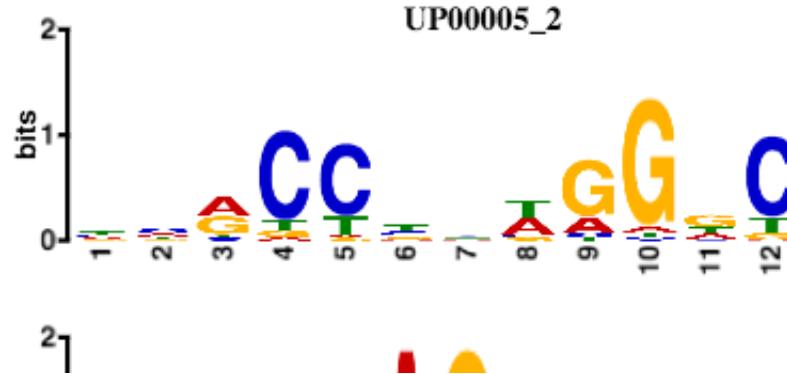
## Summary

<b>Name</b>	<a href="#">UP00005_2 (Tcfap2a_secondary)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	9.53e-03
<b>E-value</b>	9.33e+00
<b>q-value</b>	8.11e-01

<b>Overlap</b>	12
<b>Offset</b>	1
<b>Orientation</b>	Normal

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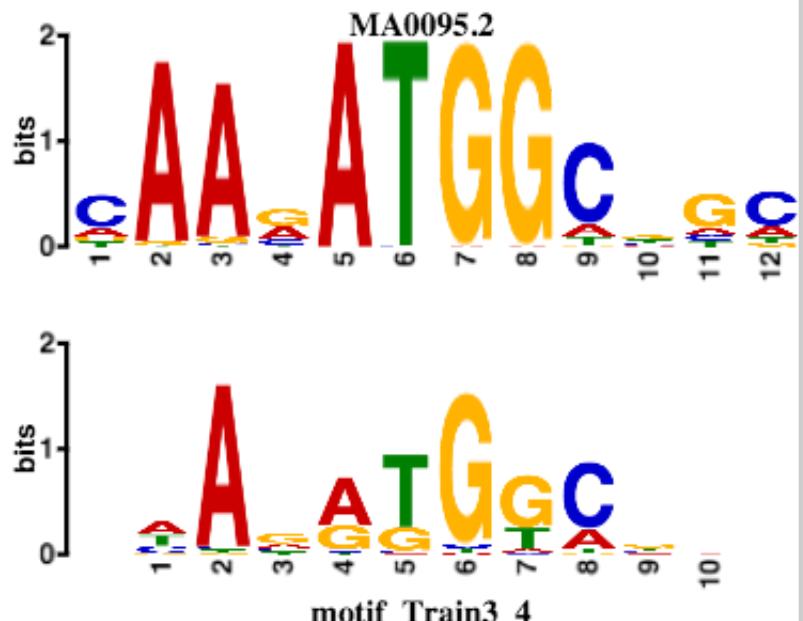
## Alignment



**MATCHES TO MOTIF\_TRAIN3\_4 (6-WAGATGGCKN)**[Previous](#) [Next](#) [Top](#)**Summary****Alignment**

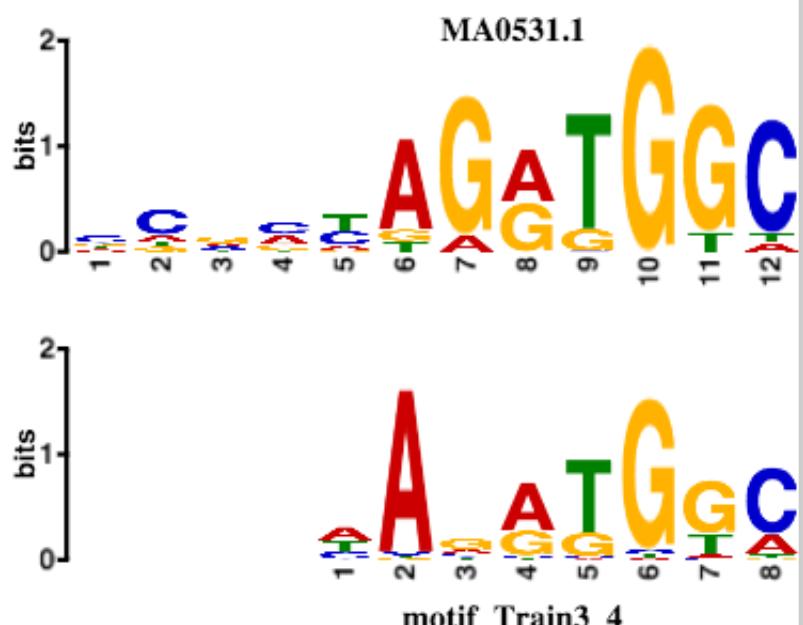
<b>Name</b>	<a href="#">MA0095.2 (YY1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	1.65e-07
<b>E-value</b>	1.61e-04
<b>q-value</b>	3.22e-04

<b>Overlap</b>	10
<b>Offset</b>	1
<b>Orientation</b>	Normal
<a href="#">Show logo download options</a>	

**Summary****Alignment**

<b>Name</b>	<a href="#">MA0531.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	1.08e-04
<b>E-value</b>	1.06e-01
<b>q-value</b>	1.06e-01

<b>Overlap</b>	10
<b>Offset</b>	4
<b>Orientation</b>	Normal
<a href="#">Show logo download options</a>	

**Summary****Alignment**

<b>Name</b>	<a href="#">MA0443.1 (btd)</a>
-------------	--------------------------------

**Database** JASPAR CORE 2014

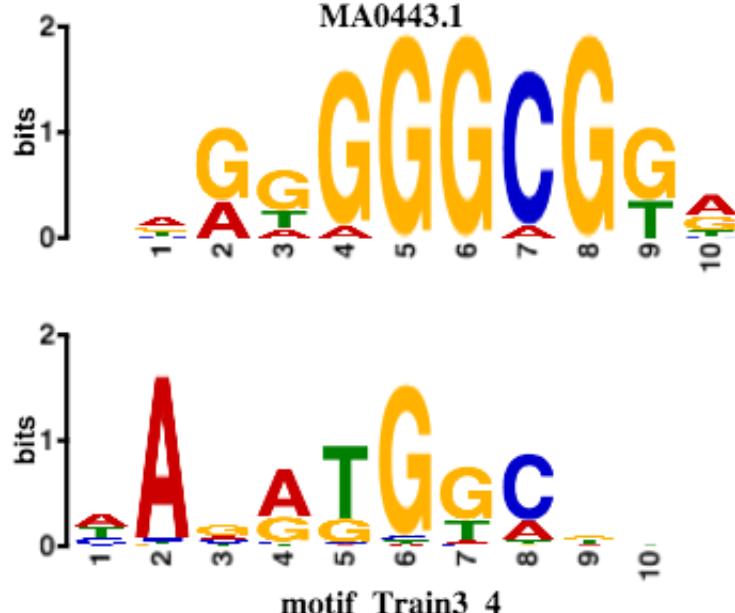
**p-value** 3.18e-04  
**E-value** 3.12e-01  
**q-value** 2.08e-01

**Overlap** 9

**Offset** -1

**Orientation** Normal

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## Summary

## Alignment

**Name** [MA0373.1 \(RPN4\)](#)

**Database** JASPAR CORE 2014

**p-value** 8.09e-04

**E-value** 7.92e-01

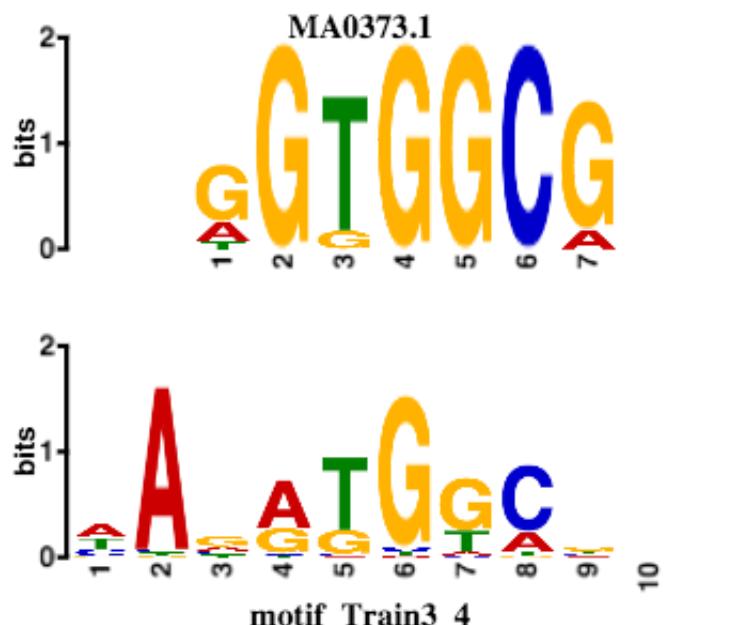
**q-value** 3.96e-01

**Overlap** 7

**Offset** -2

**Orientation** Normal

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## Summary

## Alignment

**Name** [MA0139.1 \(CTCF\)](#)

**Database** JASPAR CORE 2014

**p-value** 1.04e-03

**E-value** 1.02e+00

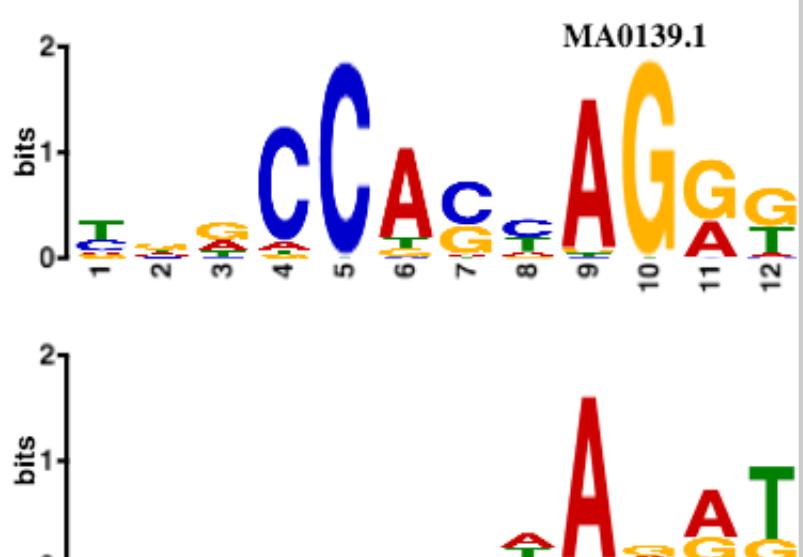
**q-value** 4.07e-01

**Overlap** 10

**Offset** 7

**Orientation** Normal

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1 2 3 4 5  
motif\_Train3\_4

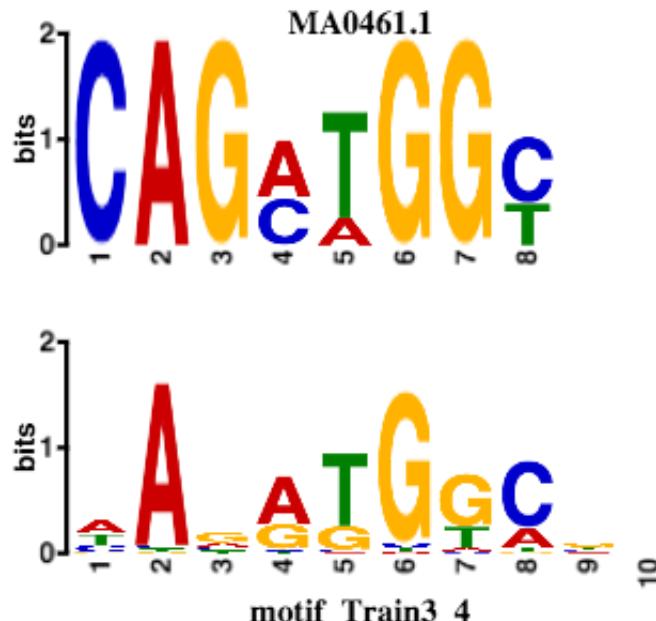
**Summary**

**Name** MA0461.1 (Atoh1)  
**Database** JASPAR CORE 2014

**p-value** 1.30e-03  
**E-value** 1.27e+00  
**q-value** 4.23e-01

**Overlap** 8  
**Offset** 0  
**Orientation** Normal

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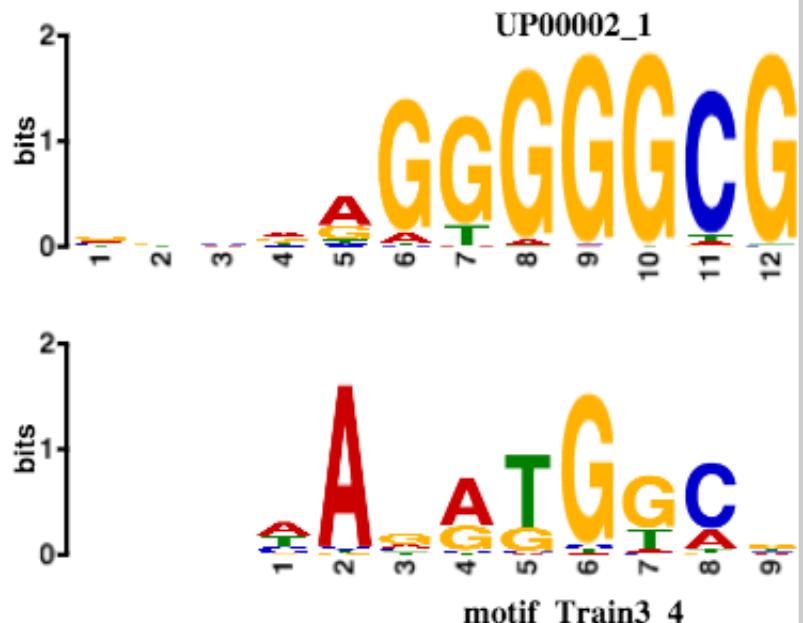
**Alignment****Summary**

**Name** UP00002\_1 (Sp4 primary)  
**Database** uniprobe mouse

**p-value** 2.68e-03  
**E-value** 2.63e+00  
**q-value** 7.40e-01

**Overlap** 10  
**Offset** 3  
**Orientation** Reverse Complement

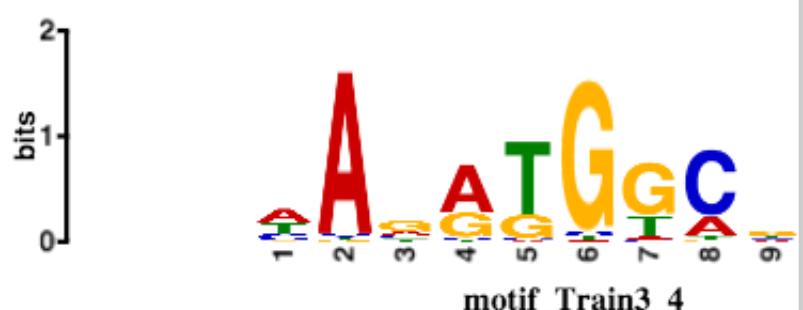
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**Alignment****Summary**

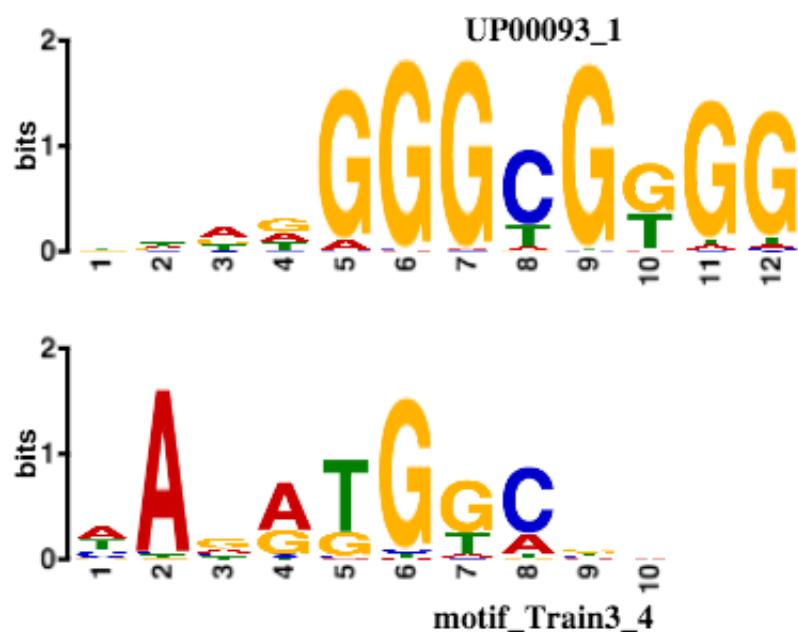
**Name** UP00093\_1 (Klf7 primary)  
**Database** uniprobe mouse

**p-value** 3.02e-03  
**E-value** 2.96e+00  
**q-value** 7.40e-01

**Overlap** 10

**Alignment**

<b>Offset</b>	0
<b>Orientation</b>	Reverse
	Complement
<a href="#">Show logo download options</a>	

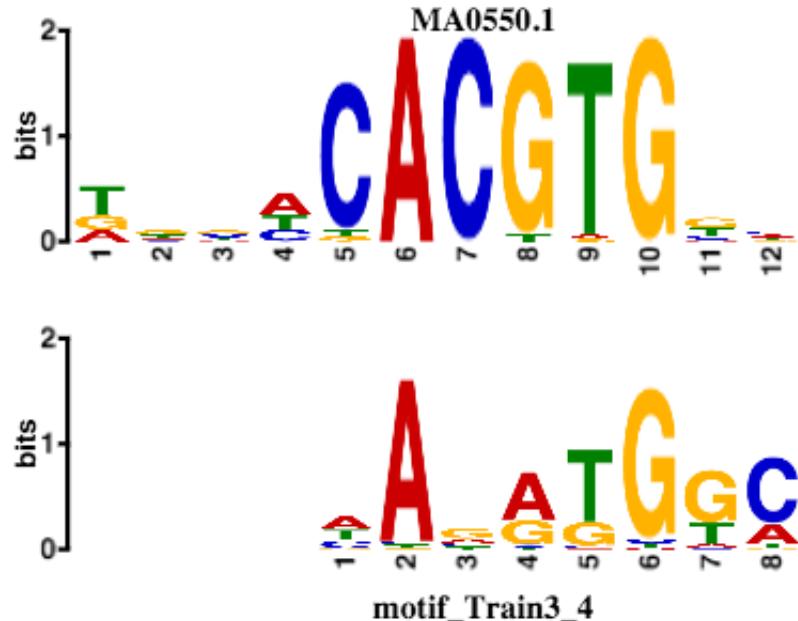


## Summary

<b>Name</b>	<a href="#">MA0550.1 (BZR1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	3.92e-03
<b>E-value</b>	3.84e+00
<b>q-value</b>	8.52e-01

<b>Overlap</b>	10
<b>Offset</b>	4
<b>Orientation</b>	Reverse Complement
<a href="#">Show logo download options</a>	

## Alignment

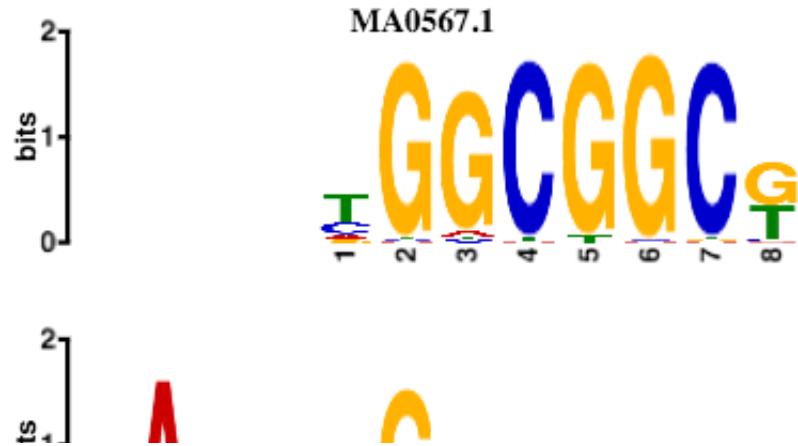


## Summary

<b>Name</b>	<a href="#">MA0567.1 (ERF1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	5.48e-03
<b>E-value</b>	5.36e+00
<b>q-value</b>	1.00e+00

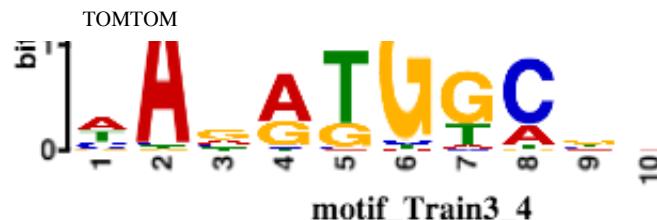
<b>Overlap</b>	6
<b>Offset</b>	-4
<b>Orientation</b>	Reverse

## Alignment



**Orientation**

Complement

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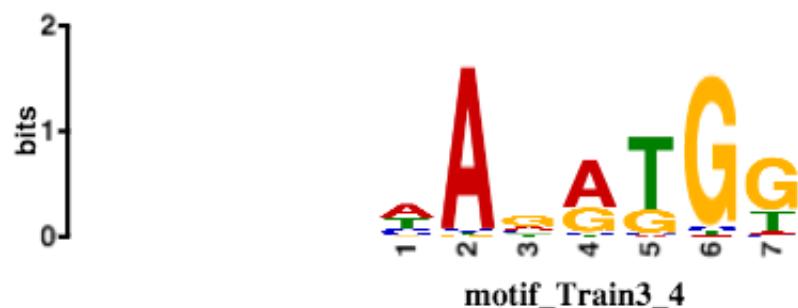
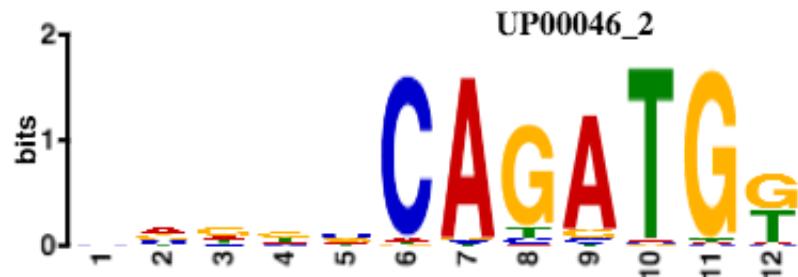
**Name** [UP00046\\_2](#)  
**Database** uniprobe mouse

**p-value** 6.15e-03  
**E-value** 6.02e+00  
**q-value** 1.00e+00

**Overlap** 10

**Offset** 5

**Orientation** Normal

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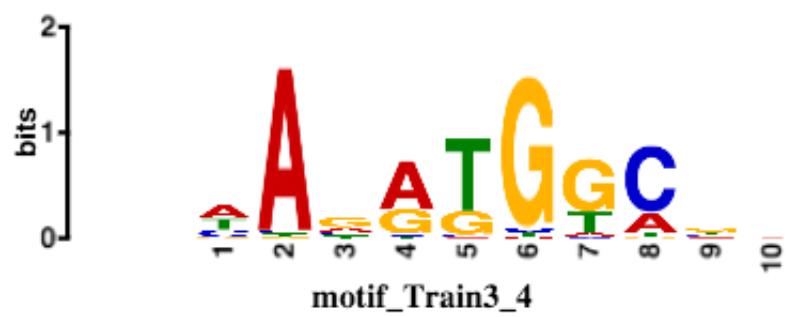
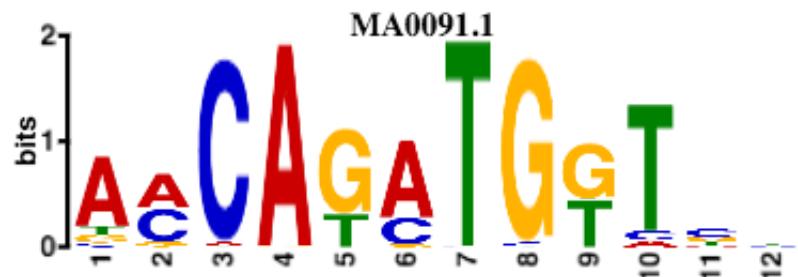
**Name** [MA0091.1](#)  
**Database** JASPAR CORE 2014

**p-value** 7.54e-03  
**E-value** 7.38e+00  
**q-value** 1.00e+00

**Overlap** 10

**Offset** 2

**Orientation** Reverse Complement

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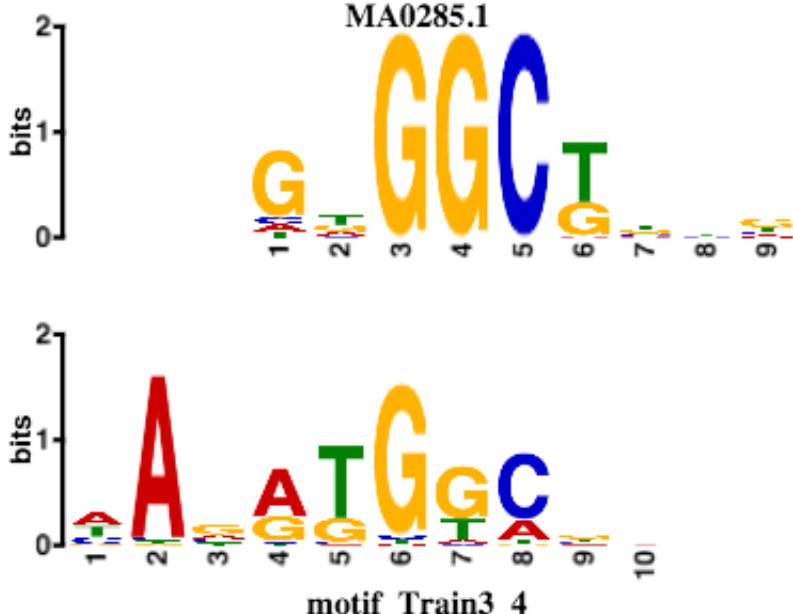
**Summary**

**Name** MA0285.1 (CRZ1)  
**Database** JASPAR CORE 2014

**p-value** 7.84e-03  
**E-value** 7.68e+00  
**q-value** 1.00e+00

**Overlap** 7  
**Offset** -3  
**Orientation** Reverse Complement

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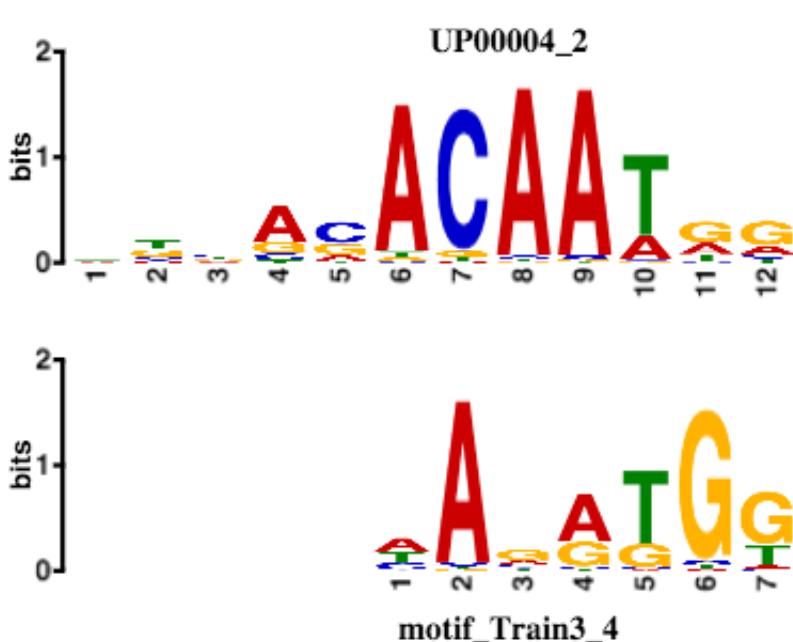
**Alignment****Summary**

**Name** UP00004\_2  
**(Sox14 secondary)**  
**Database** uniprobe mouse

**p-value** 8.06e-03  
**E-value** 7.89e+00  
**q-value** 1.00e+00

**Overlap** 10  
**Offset** 5  
**Orientation** Normal

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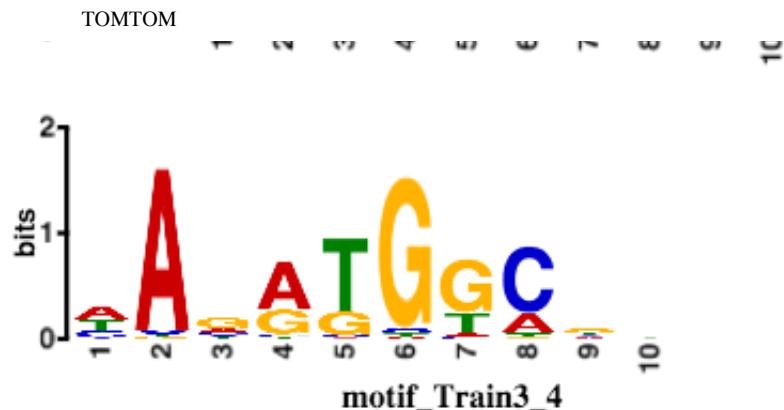
**Alignment****Summary**

**Name** MA0079.3 (SP1)  
**Database** JASPAR CORE 2014

**p-value** 8.45e-03  
**E-value** 8.27e+00

**Alignment**

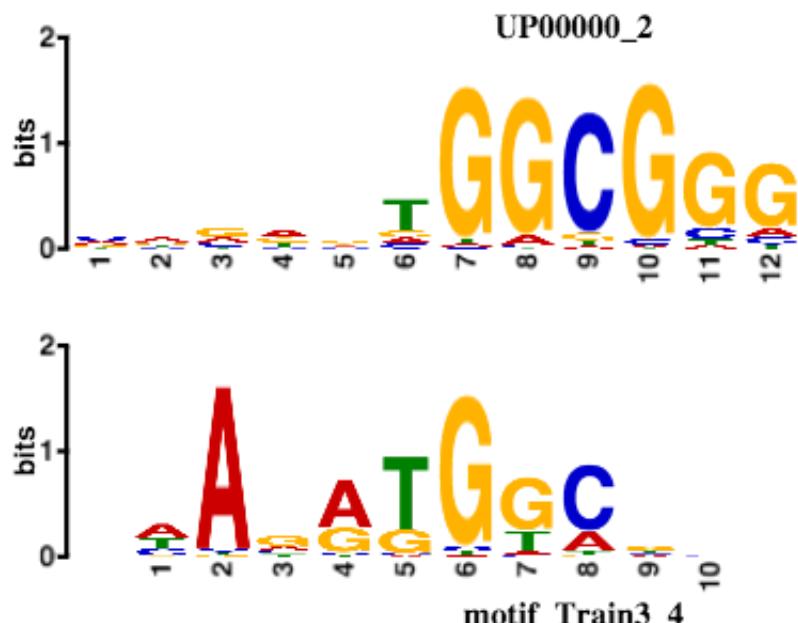
<b>q-value</b>	1.00e+00
<b>Overlap</b>	8
<b>Offset</b>	-2
<b>Orientation</b>	Reverse Complement
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## Summary

<b>Name</b>	<a href="#">UP00000_2</a> (Smad3 secondary)
<b>Database</b>	uniprobe mouse
<b>p-value</b>	9.46e-03
<b>E-value</b>	9.26e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	10
<b>Offset</b>	1
<b>Orientation</b>	Reverse Complement
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## Alignment



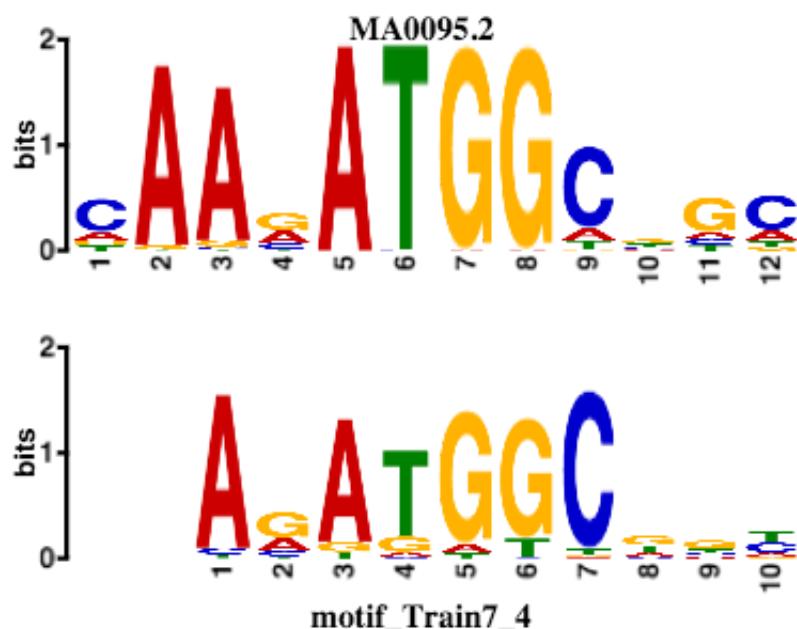
## MATCHES TO MOTIF\_TRAIN7\_4 (7-AGATGGCKGY)

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## Summary

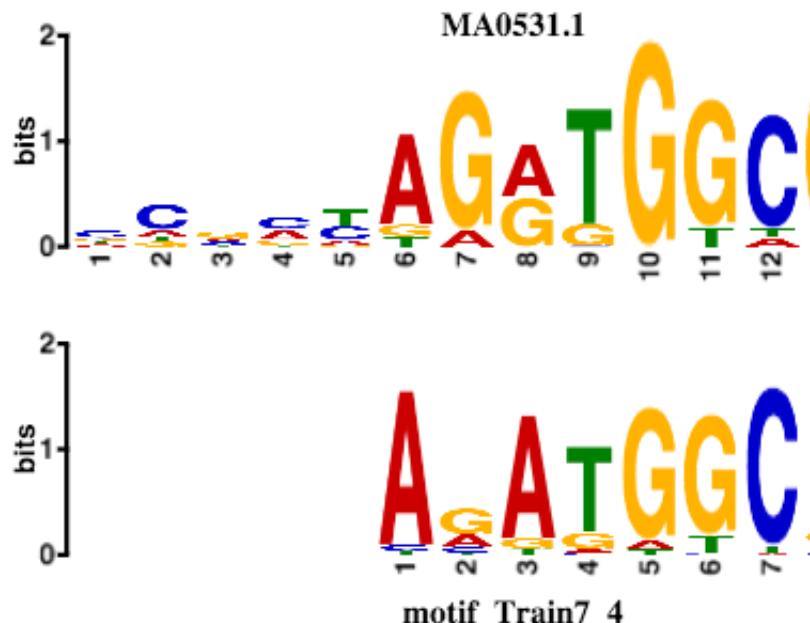
<b>Name</b>	<a href="#">MA0095.2 (YY1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	2.61e-07
<b>E-value</b>	2.56e-04
<b>q-value</b>	5.11e-04
<b>Overlap</b>	10
<b>Offset</b>	2
<b>Orientation</b>	Normal
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## Alignment

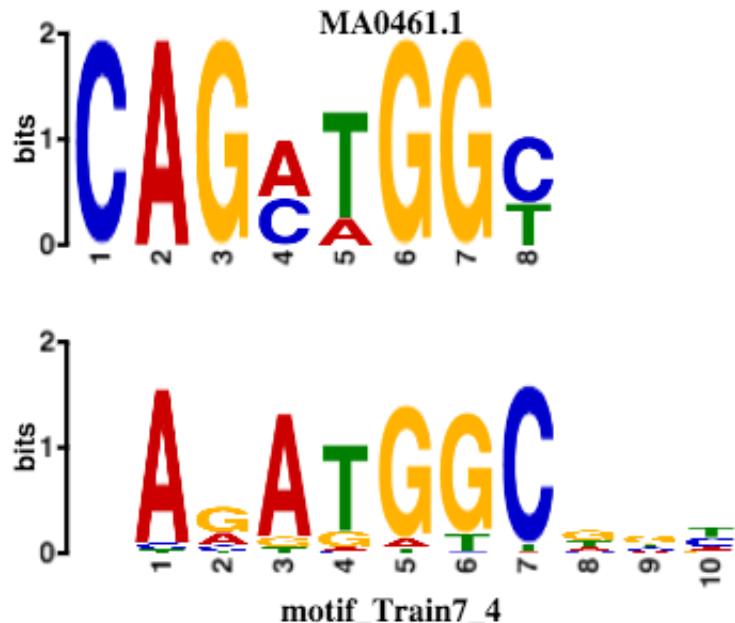


**Summary**

<b>Name</b>	<a href="#">MA0531.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	5.87e-05
<b>E-value</b>	5.74e-02
<b>q-value</b>	5.74e-02
<b>Overlap</b>	10
<b>Offset</b>	5
<b>Orientation</b>	Normal
	<a href="#">Show logo download options</a>

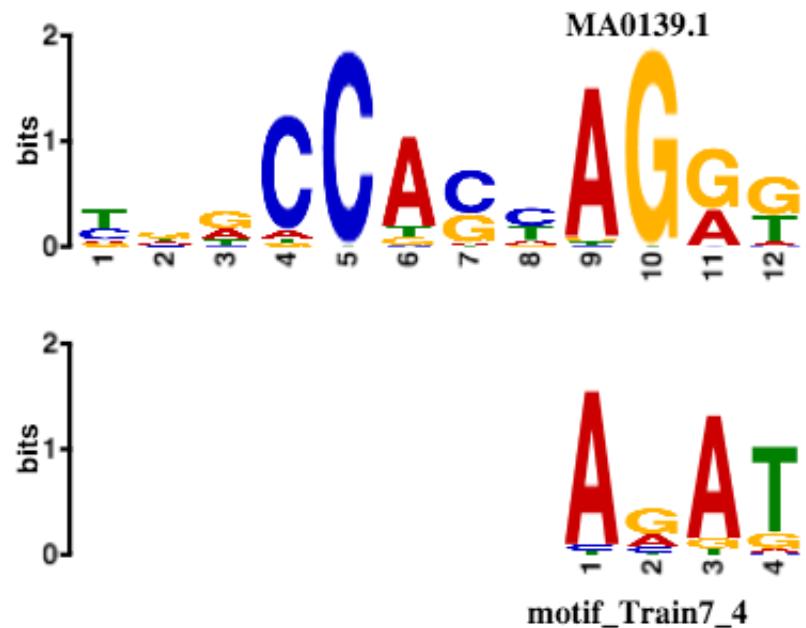
**Alignment****Summary**

<b>Name</b>	<a href="#">MA0461.1 (Atoh1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	2.70e-04
<b>E-value</b>	2.64e-01
<b>q-value</b>	1.76e-01
<b>Overlap</b>	7
<b>Offset</b>	1
<b>Orientation</b>	Normal
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**Alignment****Summary**

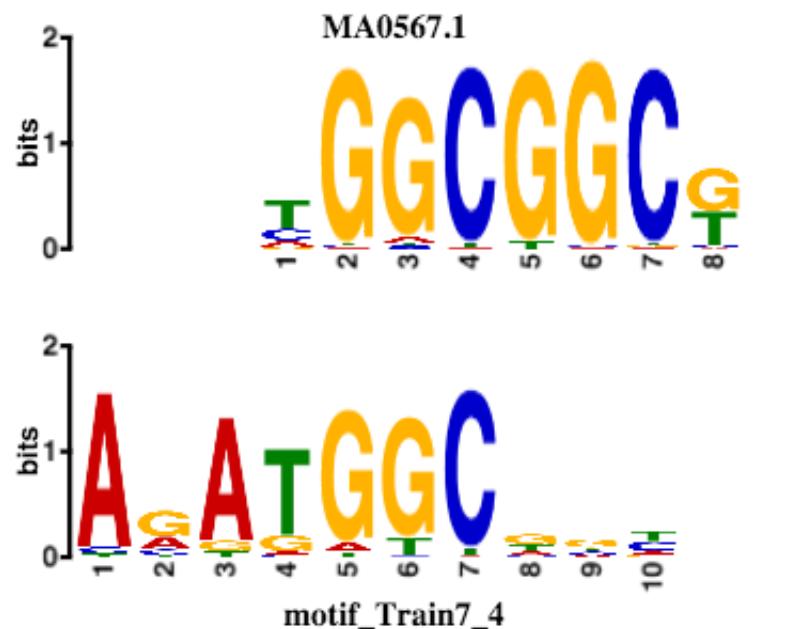
<b>Name</b>	<a href="#">MA0139.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	4.49e-04
<b>E-value</b>	4.39e-01
<b>q-value</b>	2.20e-01
<b>Overlap</b>	10
<b>Offset</b>	8
<b>Orientation</b>	Normal

**Alignment**

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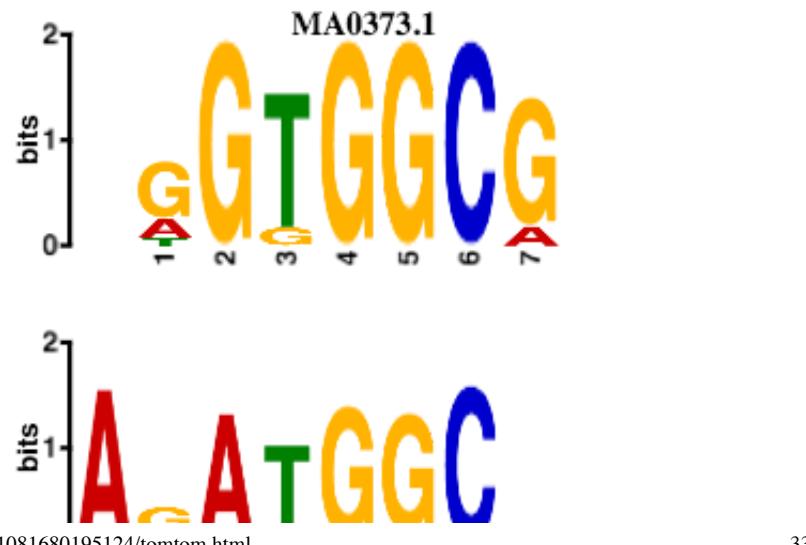
<b>Name</b>	<a href="#">MA0567.1 (ERF1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	1.53e-03
<b>E-value</b>	1.49e+00
<b>q-value</b>	5.97e-01
<b>Overlap</b>	7
<b>Offset</b>	-3
<b>Orientation</b>	Reverse Complement

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**Summary****Alignment**

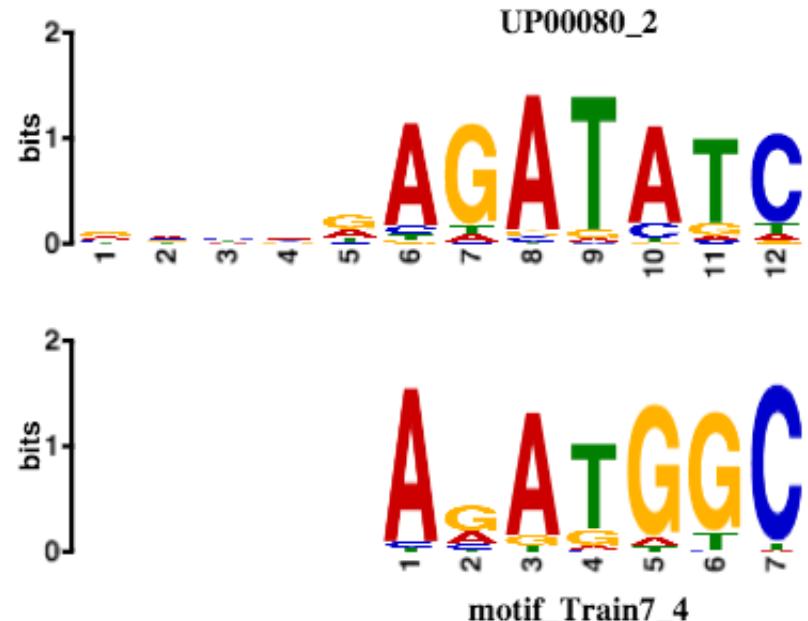
<b>Name</b>	<a href="#">MA0373.1 (RPN4)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	2.04e-03
<b>E-value</b>	2.00e+00
<b>q-value</b>	6.67e-01
<b>Overlap</b>	7
<b>Offset</b>	-1
<b>Orientation</b>	Normal

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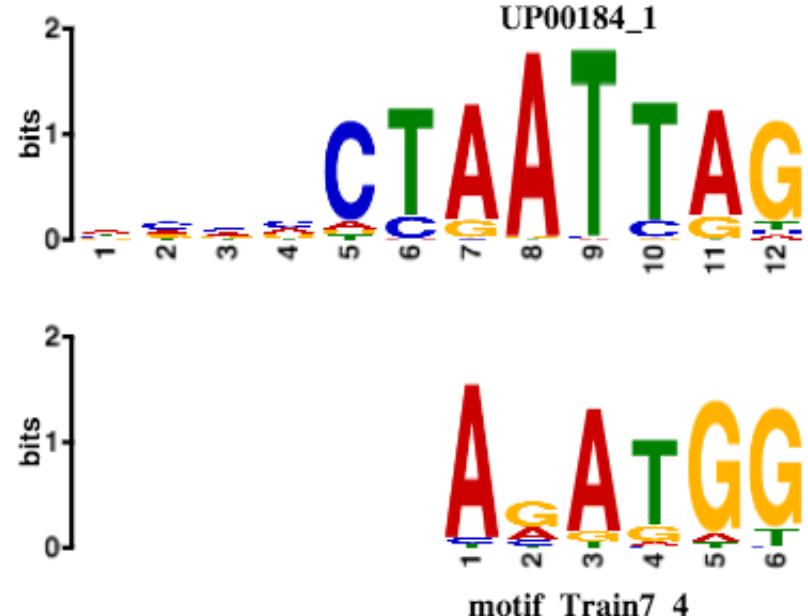


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<b>Name</b>	<a href="#">UP00080_2</a> <a href="#">(Gata5 secondary)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	5.34e-03
<b>E-value</b>	5.23e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	10
<b>Offset</b>	5
<b>Orientation</b>	Normal

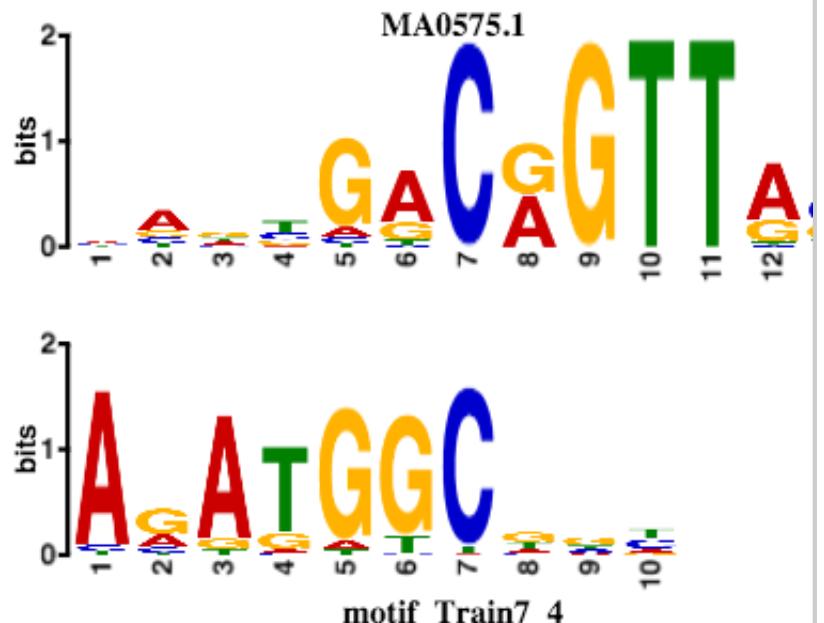
[Show logo download options](#)**Summary****Alignment**

<b>Name</b>	<a href="#">UP00184_1</a> <a href="#">(Lhx8_2247.2)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	7.57e-03
<b>E-value</b>	7.41e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	10
<b>Offset</b>	6
<b>Orientation</b>	Normal

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<b>Name</b>	<a href="#">MA0575.1 (AtMYB77)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	9.44e-03
<b>E-value</b>	9.25e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	10
<b>Offset</b>	0
<b>Orientation</b>	Normal

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## MATCHES TO MOTIF\_TRAIN4\_5 (8-CMAGATGGCG)

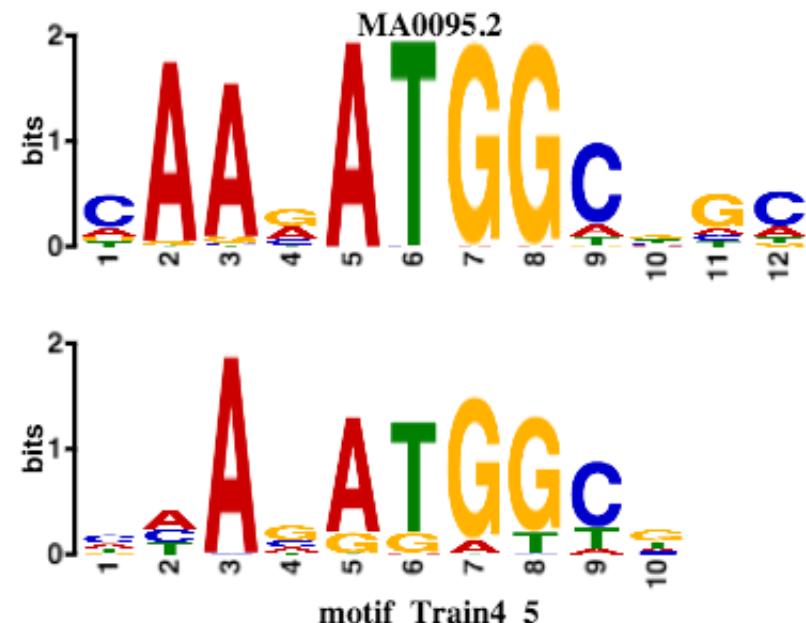
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### Summary

<b>Name</b>	<a href="#">MA0095.2 (YY1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	2.00e-07
<b>E-value</b>	1.96e-04
<b>q-value</b>	3.92e-04
<b>Overlap</b>	10
<b>Offset</b>	0
<b>Orientation</b>	Normal

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### Alignment

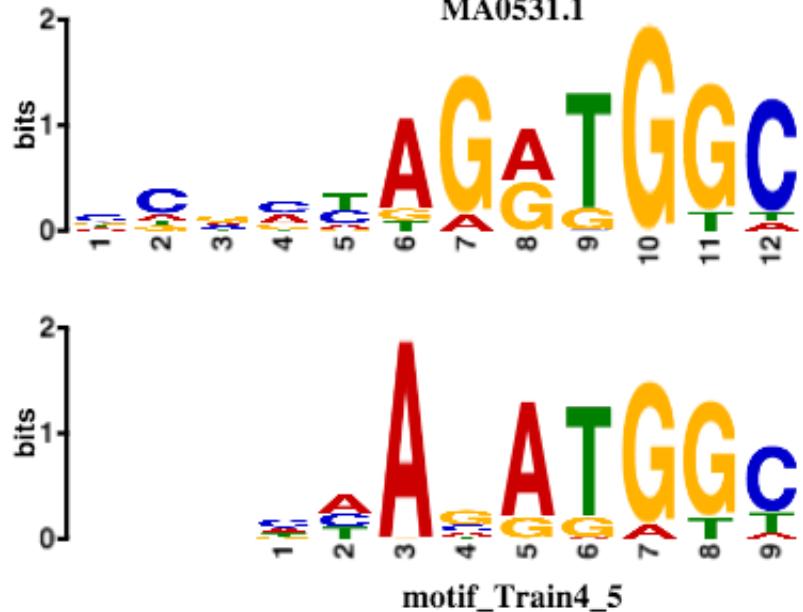


### Summary

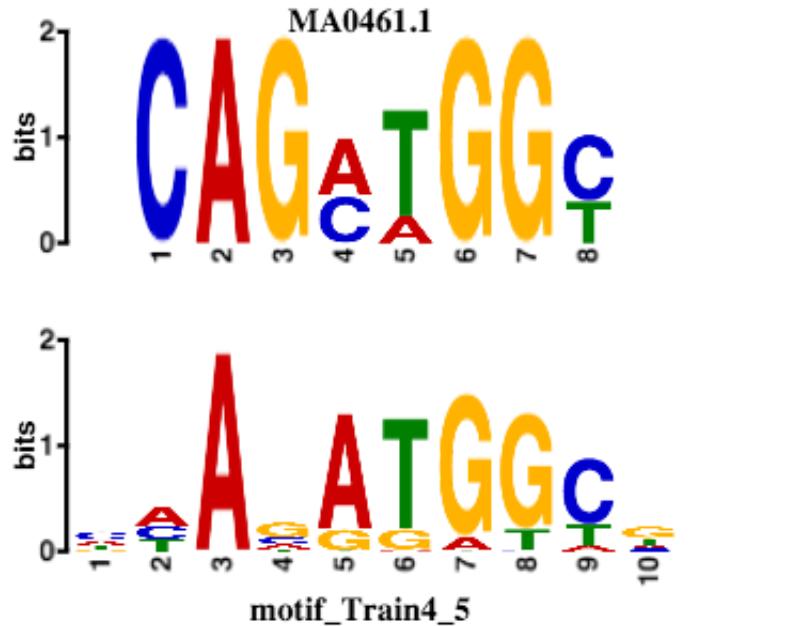
<b>Name</b>	<a href="#">MA0531.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	6.56e-06
<b>E-value</b>	6.42e-03
<b>q-value</b>	6.42e-03
<b>Overlap</b>	10

### Alignment

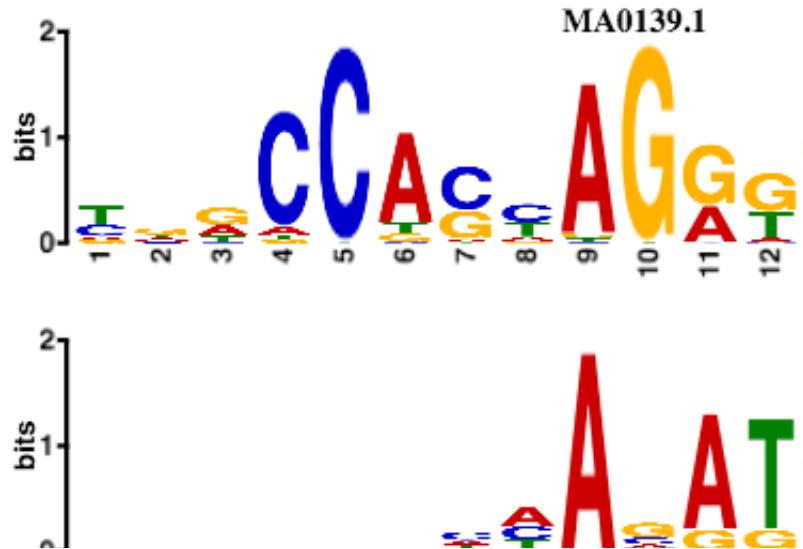
**Offset** 3  
**Orientation** Normal  
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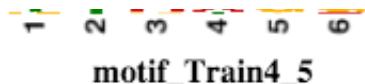
**Summary**

**Name** [MA0461.1 \(Atoh1\)](#)  
**Database** JASPAR CORE 2014  
  
**p-value** 1.84e-04  
**E-value** 1.80e-01  
**q-value** 1.20e-01  
  
**Overlap** 8  
**Offset** -1  
**Orientation** Normal  
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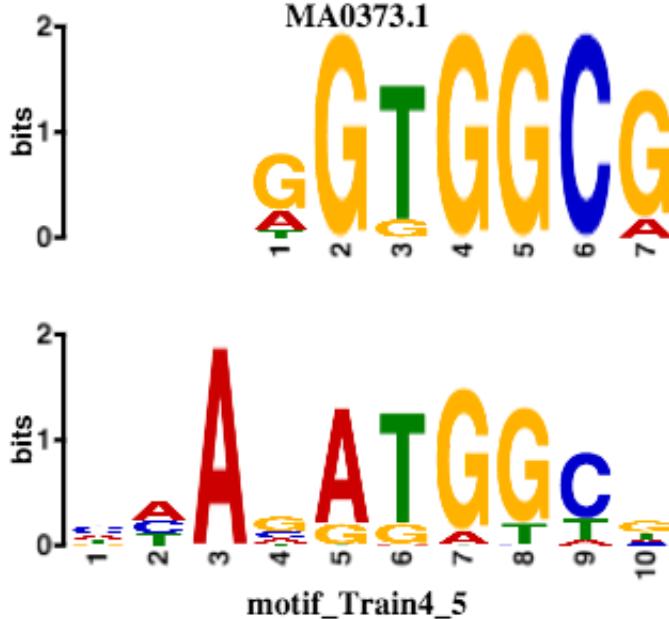
**Alignment****Summary**

**Name** [MA0139.1 \(CTCF\)](#)  
**Database** JASPAR CORE 2014  
  
**p-value** 9.27e-04  
**E-value** 9.08e-01  
**q-value** 4.54e-01  
  
**Overlap** 10  
**Offset** 6  
**Orientation** Normal  
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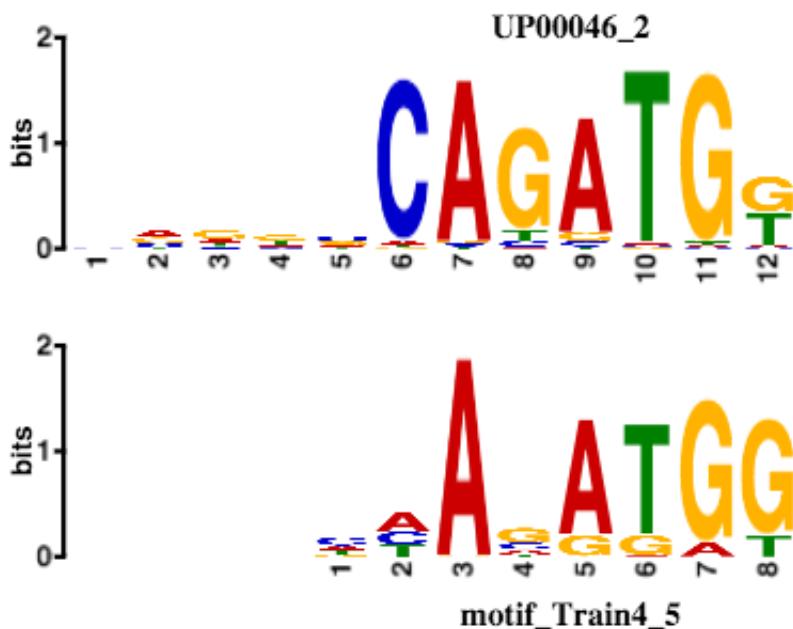
**Alignment**

**Summary****Alignment**

<b>Name</b>	<a href="#">MA0373.1 (RPN4)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	1.35e-03
<b>E-value</b>	1.33e+00
<b>q-value</b>	5.30e-01
<b>Overlap</b>	7
<b>Offset</b>	-3
<b>Orientation</b>	Normal

[Show logo download options](#)**Summary****Alignment**

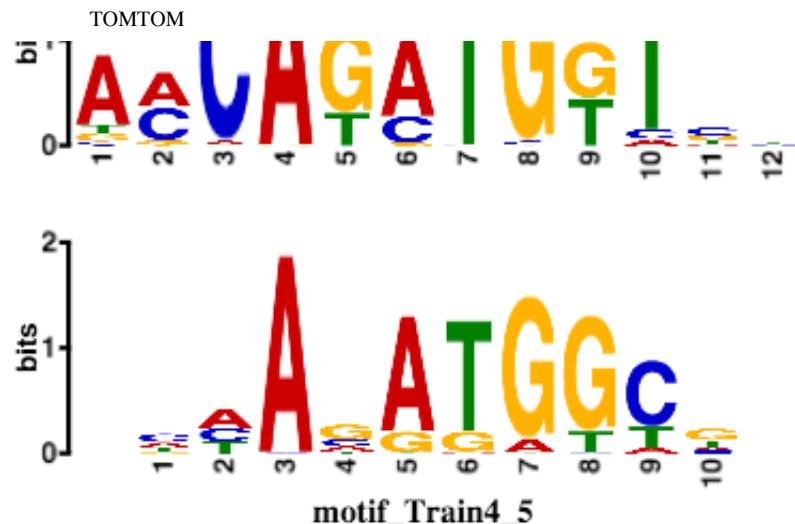
<b>Name</b>	<a href="#">UP00046_2 (Tcfe2a secondary)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	2.57e-03
<b>E-value</b>	2.52e+00
<b>q-value</b>	8.39e-01
<b>Overlap</b>	10
<b>Offset</b>	4
<b>Orientation</b>	Normal

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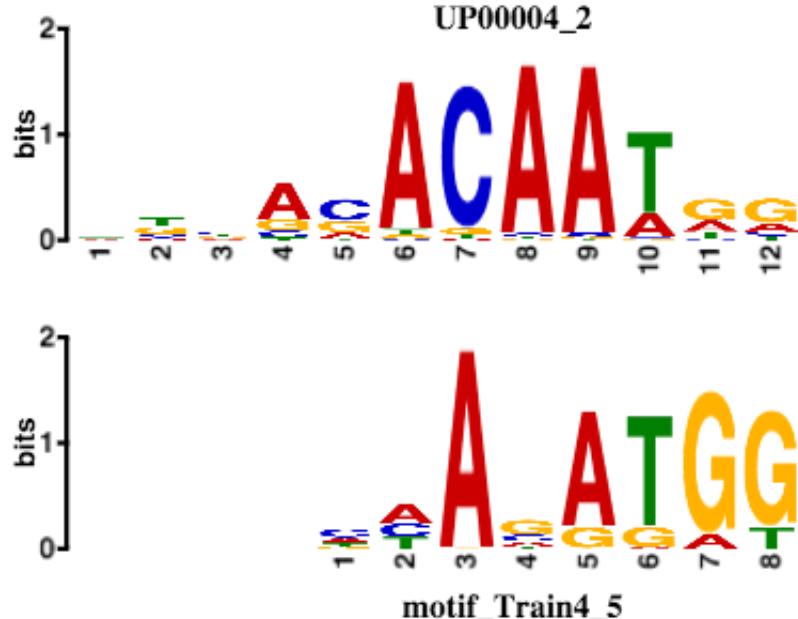
<b>Name</b>	<a href="#">MA0091.1 (TAL1::TCF3)</a>
<b>Database</b>	JASPAR CORE 2014



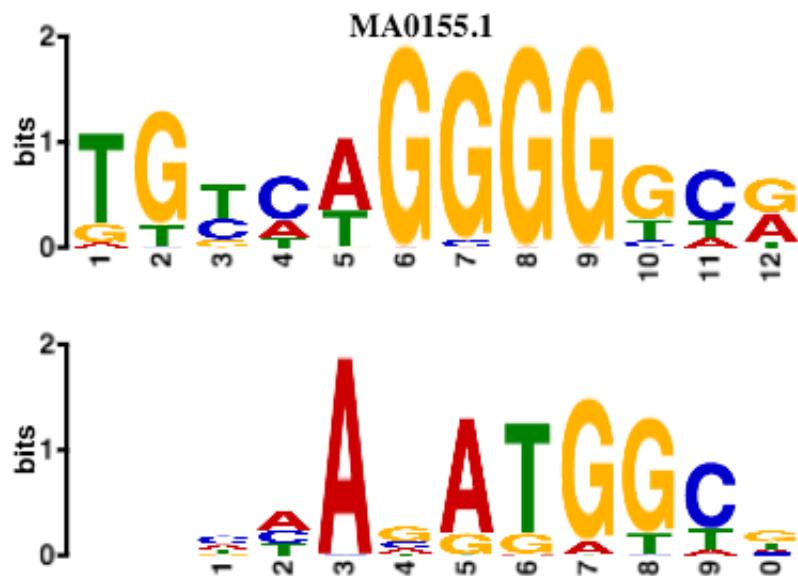
<b>p-value</b>	3.18e-03
<b>E-value</b>	3.11e+00
<b>q-value</b>	8.89e-01
<b>Overlap</b>	10
<b>Offset</b>	1
<b>Orientation</b>	Reverse Complement
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**Summary****Alignment**

<b>Name</b>	<a href="#">UP00004_2</a> <i>(Sox14 secondary)</i>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	6.61e-03
<b>E-value</b>	6.47e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	10
<b>Offset</b>	4
<b>Orientation</b>	Normal
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**Summary****Alignment**

<b>Name</b>	<a href="#">MA0155.1 (INSM1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	7.93e-03
<b>E-value</b>	7.76e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	10
<b>Offset</b>	2
<b>Orientation</b>	Normal
<a href="#">Show logo download options</a>	

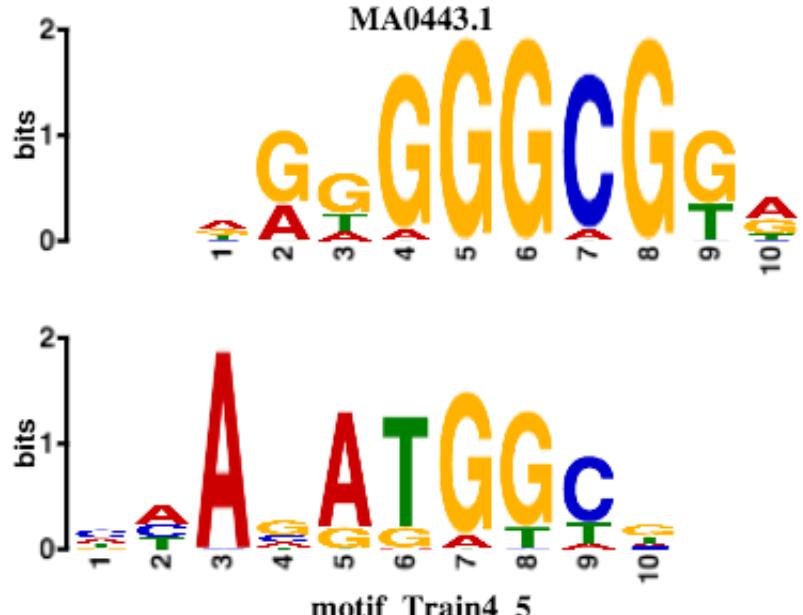


## motif\_Train4\_5

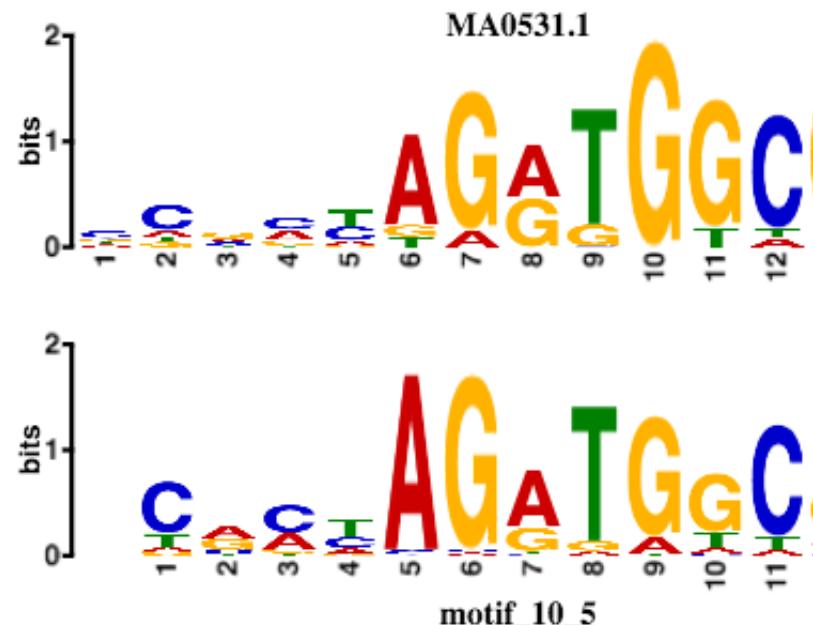
1

**Summary**

<b>Name</b>	<a href="#">MA0443.1 (btd)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	9.64e-03
<b>E-value</b>	9.44e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	8
<b>Offset</b>	-2
<b>Orientation</b>	Normal
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**Alignment****MATCHES TO MOTIF\_10\_5 (5-CRCTAGATGGCG)**[Previous](#) [Next](#) [Top](#)**Summary**

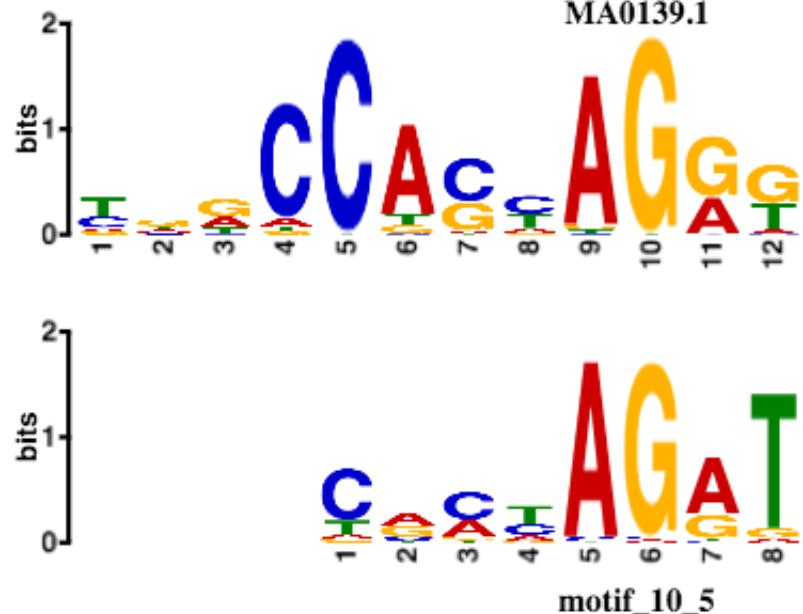
<b>Name</b>	<a href="#">MA0531.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	1.30e-09
<b>E-value</b>	1.27e-06
<b>q-value</b>	2.54e-06
<b>Overlap</b>	12
<b>Offset</b>	1
<b>Orientation</b>	Normal
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**Alignment****Summary**

<b>Name</b>	<a href="#">MA0139.1 (CTCF)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	5.58e-06
<b>E-value</b>	5.46e-03

**Alignment**

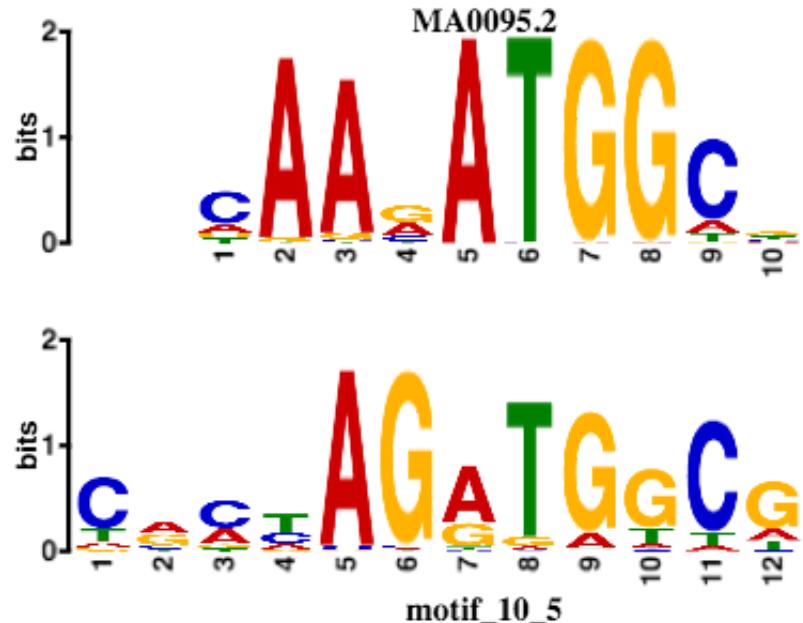
<b>q-value</b>	5.45e-03
<b>Overlap</b>	12
<b>Offset</b>	4
<b>Orientation</b>	Normal
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## Summary

<b>Name</b>	<a href="#">MA0095.2 (YY1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	2.05e-04
<b>E-value</b>	2.01e-01
<b>q-value</b>	1.34e-01
<b>Overlap</b>	10
<b>Offset</b>	-2
<b>Orientation</b>	Normal
<a href="#">Show logo download options</a>	

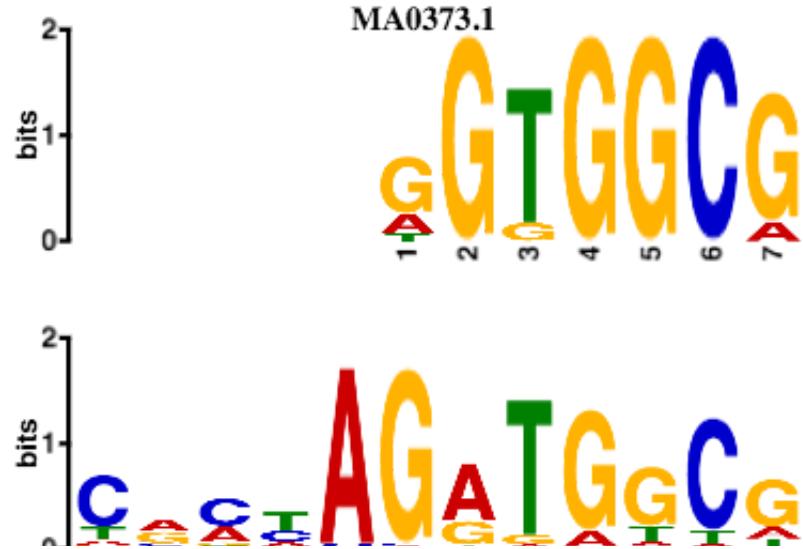
## Alignment

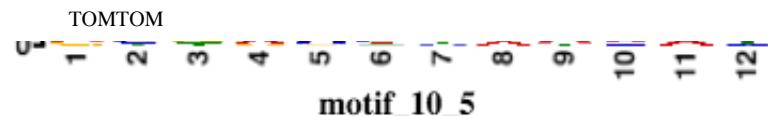


## Summary

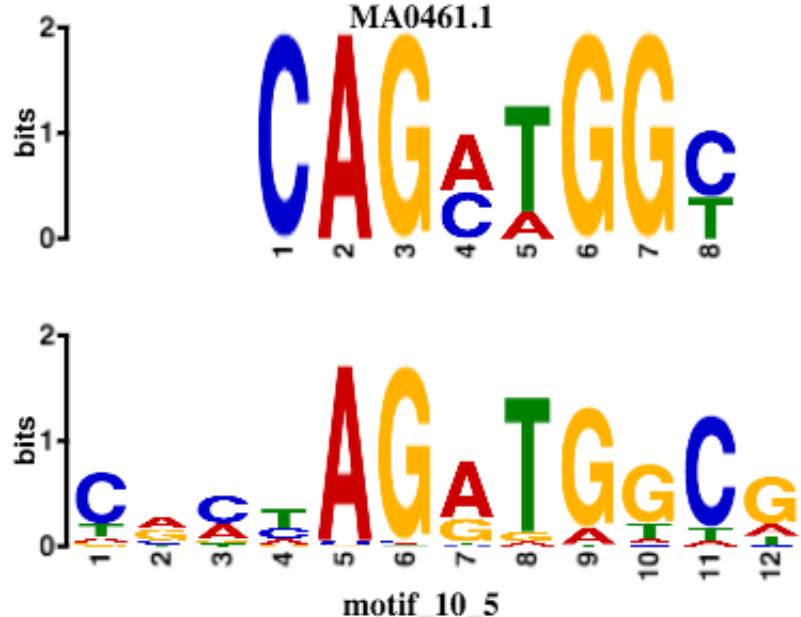
<b>Name</b>	<a href="#">MA0373.1 (RPN4)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	3.19e-04
<b>E-value</b>	3.12e-01
<b>q-value</b>	1.56e-01
<b>Overlap</b>	7
<b>Offset</b>	-5
<b>Orientation</b>	Normal
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## Alignment

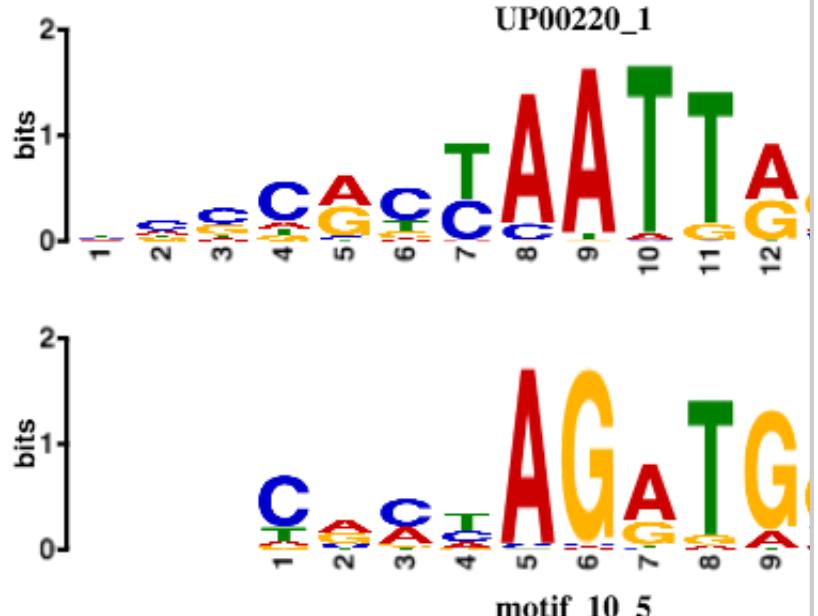


**Summary****Alignment**

<b>Name</b>	<a href="#">MA0461.1 (Atoh1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	4.60e-04
<b>E-value</b>	4.51e-01
<b>q-value</b>	1.80e-01
<b>Overlap</b>	8
<b>Offset</b>	-3
<b>Orientation</b>	Normal

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<b>Name</b>	<a href="#">UP00220_1 (Nkx1-1_3856.3)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	5.97e-04
<b>E-value</b>	5.84e-01
<b>q-value</b>	1.94e-01
<b>Overlap</b>	12
<b>Offset</b>	3
<b>Orientation</b>	Reverse Complement

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<b>Name</b>	<a href="#">UP00256_2 (Lhx6_3432.1)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	1.06e-03



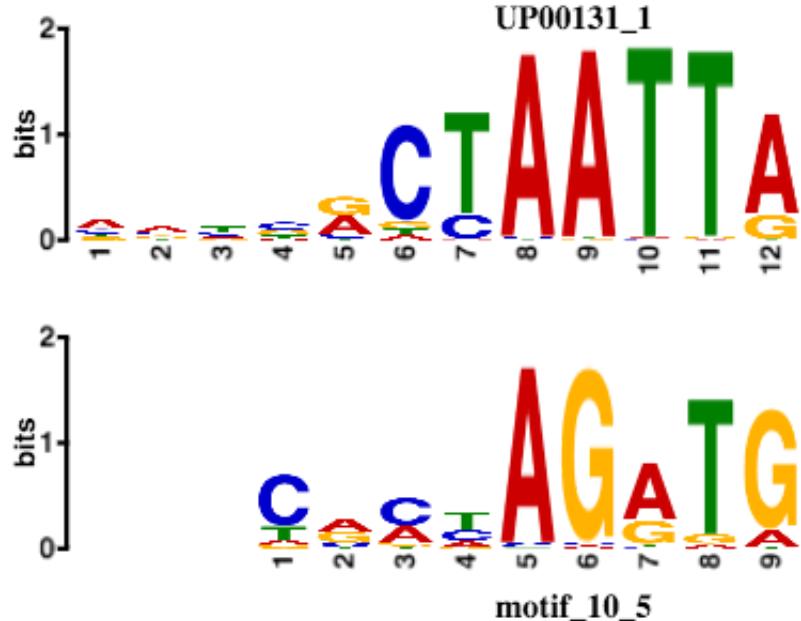
<b>E-value</b>	1.03e+00
<b>q-value</b>	2.58e-01
<b>Overlap</b>	12
<b>Offset</b>	2
<b>Orientation</b>	Normal
<a href="#">Show logo download options</a>	



## Summary

<b>Name</b>	<a href="#">UP00131_1</a> (Gbx2_3110.1)
<b>Database</b>	uniprobe mouse
<b>p-value</b>	1.49e-03
<b>E-value</b>	1.46e+00
<b>q-value</b>	3.24e-01
<b>Overlap</b>	12
<b>Offset</b>	3
<b>Orientation</b>	Reverse Complement
<a href="#">Show logo download options</a>	

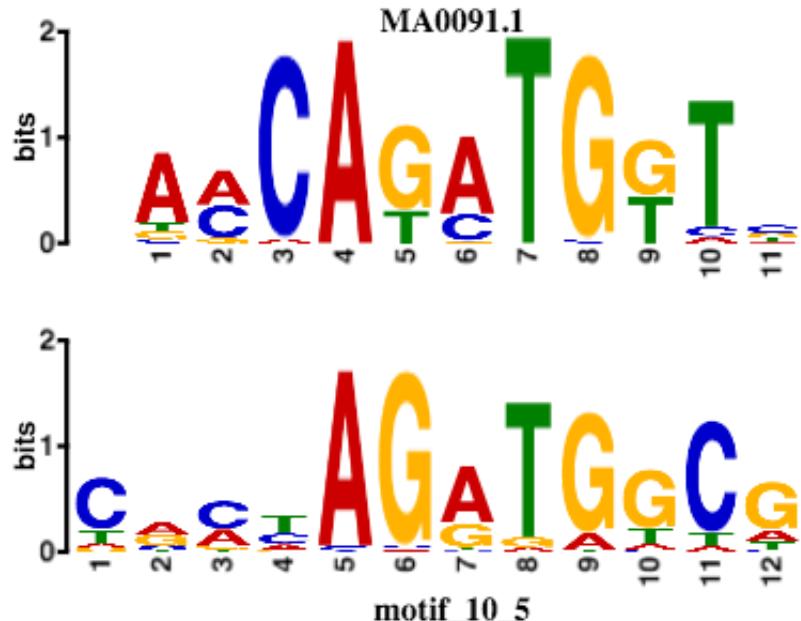
## Alignment



## Summary

<b>Name</b>	<a href="#">MA0091.1</a> (TAL1::TCF3)
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	2.83e-03
<b>E-value</b>	2.77e+00
<b>q-value</b>	5.03e-01
<b>Overlap</b>	11
<b>Offset</b>	-1
<b>Orientation</b>	Reverse Complement
<a href="#">Show logo download options</a>	

## Alignment



## Summary

<b>Name</b>	<a href="#">UP00132_1</a> (E1172C1E2)
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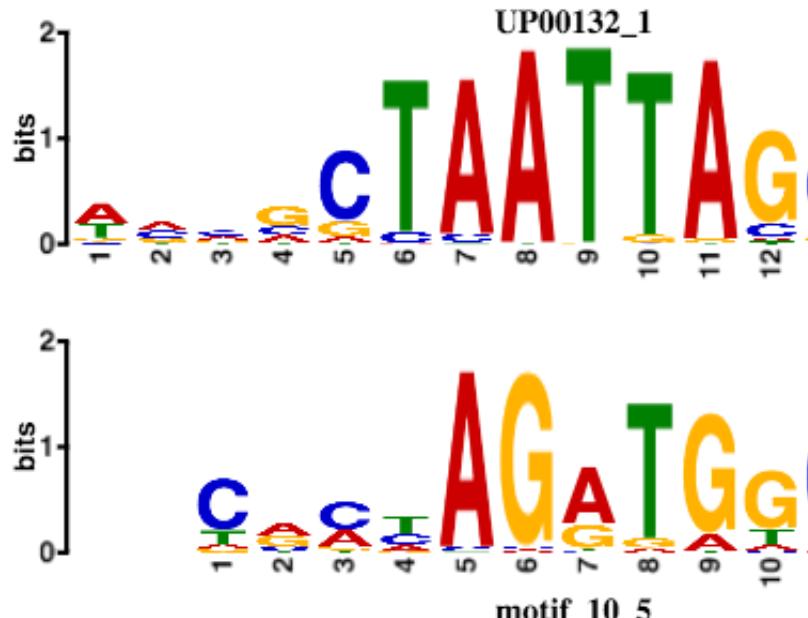
## Alignment

**Database** [UCVXZ\\_2045.51](#)  
uniprobe mouse

**p-value** 4.02e-03  
**E-value** 3.94e+00  
**q-value** 5.62e-01

**Overlap** 12  
**Offset** 2  
**Orientation** Reverse Complement

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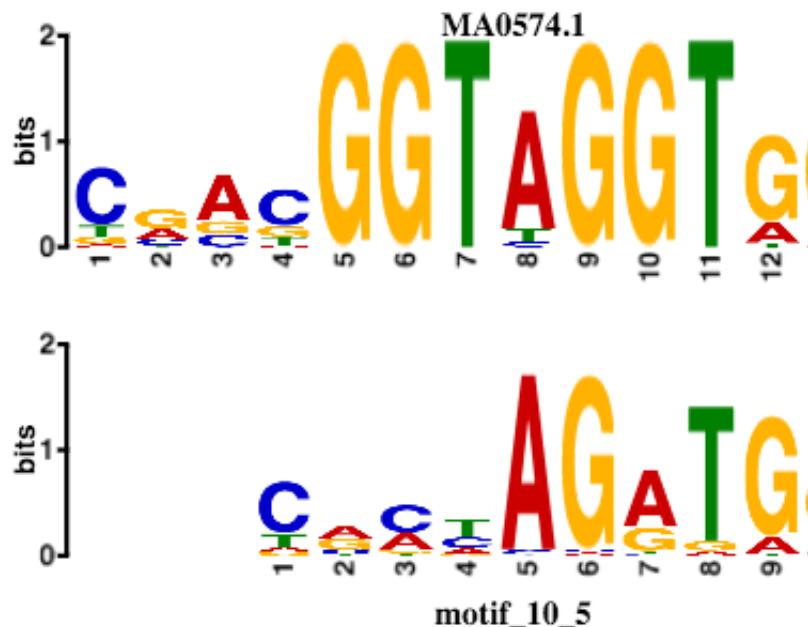


## Summary

**Name** [MA0574.1](#)  
([AtMYB15](#))  
**Database** JASPAR CORE 2014  
**p-value** 4.89e-03  
**E-value** 4.78e+00  
**q-value** 5.62e-01  
**Overlap** 10  
**Offset** 3  
**Orientation** Normal

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## Alignment



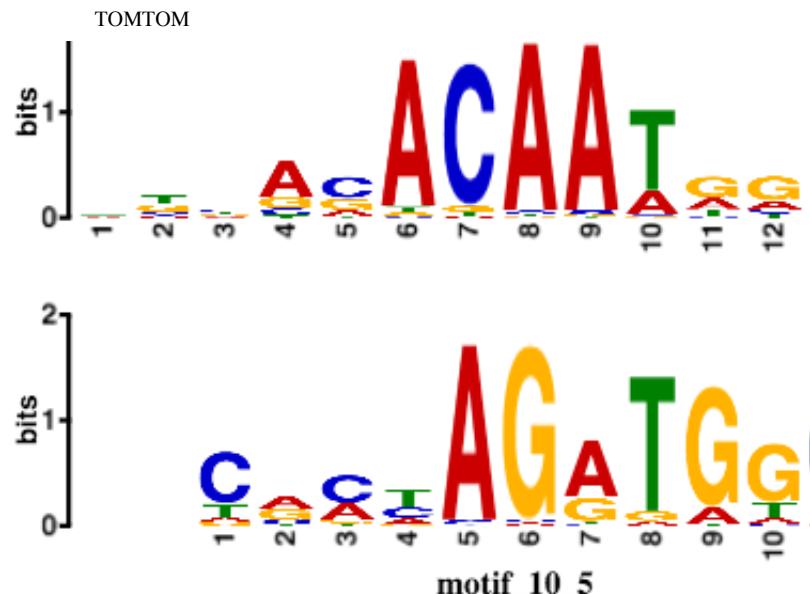
## Summary

**Name** [UP00004\\_2](#)

## Alignment

UP00004\_2

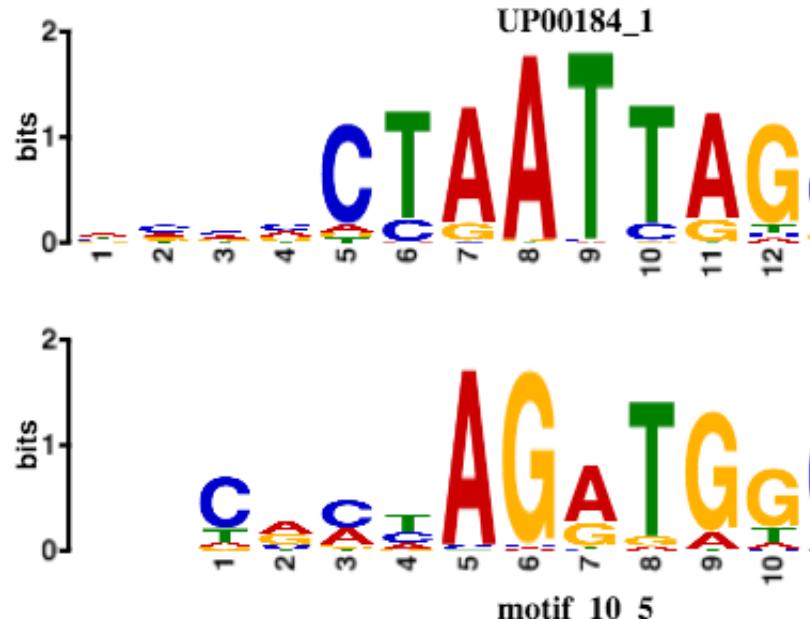
<b>Name</b>	<a href="#">(Sox14 secondary)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	5.10e-03
<b>E-value</b>	4.99e+00
<b>q-value</b>	5.62e-01
<b>Overlap</b>	12
<b>Offset</b>	2
<b>Orientation</b>	Normal
<a href="#">Show logo download options</a>	



## Summary

## Alignment

<b>Name</b>	<a href="#">UP00184_1</a> <a href="#">(Lhx8 2247.2)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	5.17e-03
<b>E-value</b>	5.07e+00
<b>q-value</b>	5.62e-01
<b>Overlap</b>	12
<b>Offset</b>	2
<b>Orientation</b>	Normal
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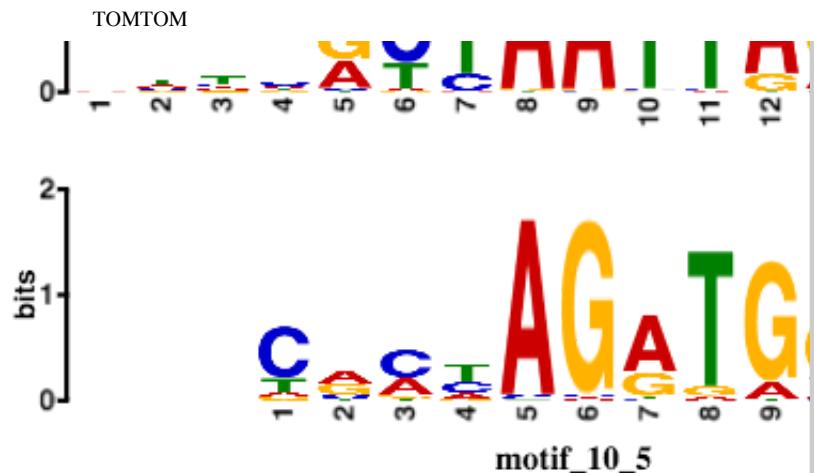
## Summary

## Alignment

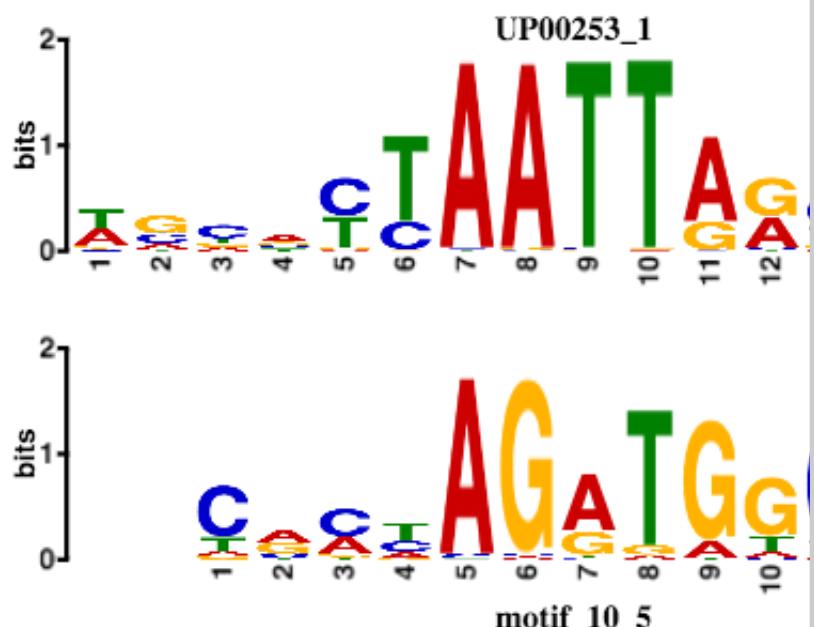
<b>Name</b>	<a href="#">UP00136_1</a> <a href="#">(Prrx2 3072.1)</a>
<b>Database</b>	uniprobe mouse



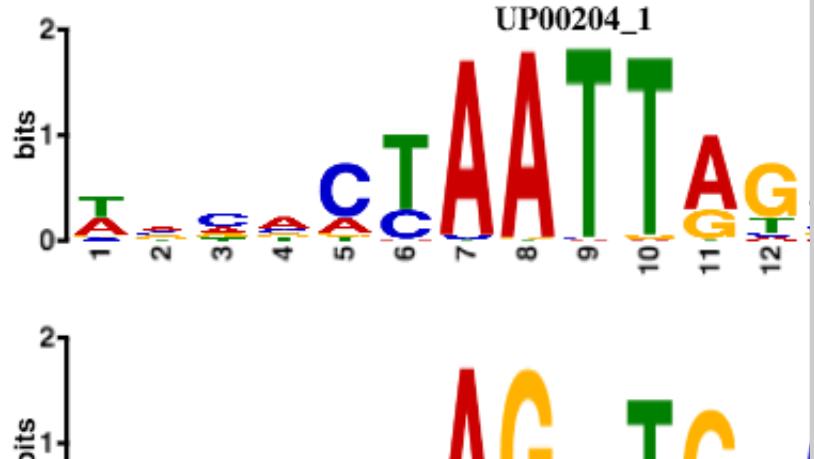
<b>p-value</b>	6.23e-03
<b>E-value</b>	6.10e+00
<b>q-value</b>	6.41e-01
<b>Overlap</b>	12
<b>Offset</b>	3
<b>Orientation</b>	Reverse Complement
 <a href="#">Show logo download options</a>	

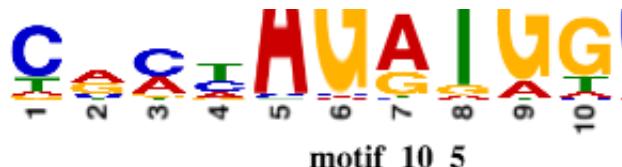
**Summary****Alignment**

<b>Name</b>	<a href="#">UP00253_1</a> (Rax_3443.1)
<b>Database</b>	uniprobe mouse
<b>p-value</b>	6.62e-03
<b>E-value</b>	6.48e+00
<b>q-value</b>	6.47e-01
<b>Overlap</b>	12
<b>Offset</b>	2
<b>Orientation</b>	Normal
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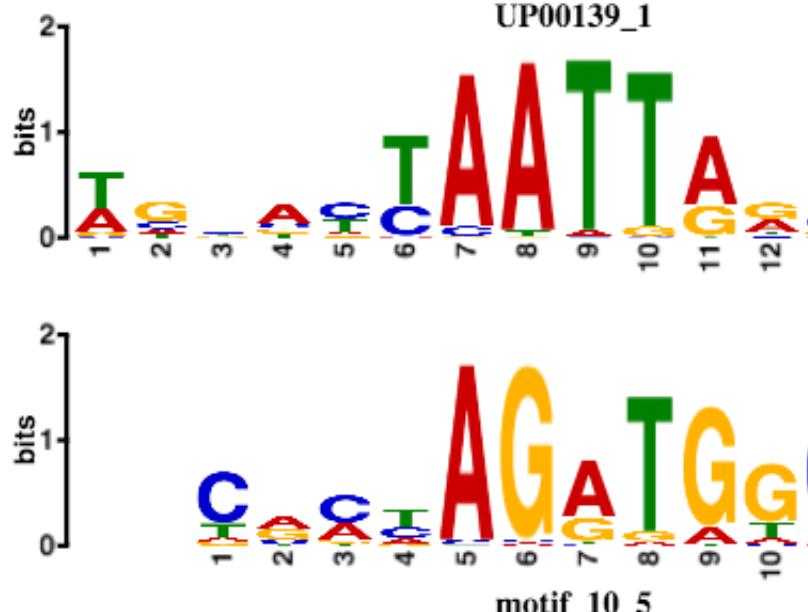
**Summary****Alignment**

<b>Name</b>	<a href="#">UP00204_1</a> (Gbx1_2883.2)
<b>Database</b>	uniprobe mouse
<b>p-value</b>	7.04e-03
<b>E-value</b>	6.89e+00
<b>q-value</b>	6.55e-01
<b>Overlap</b>	12
<b>Offset</b>	2
<b>Orientation</b>	Reverse Complement
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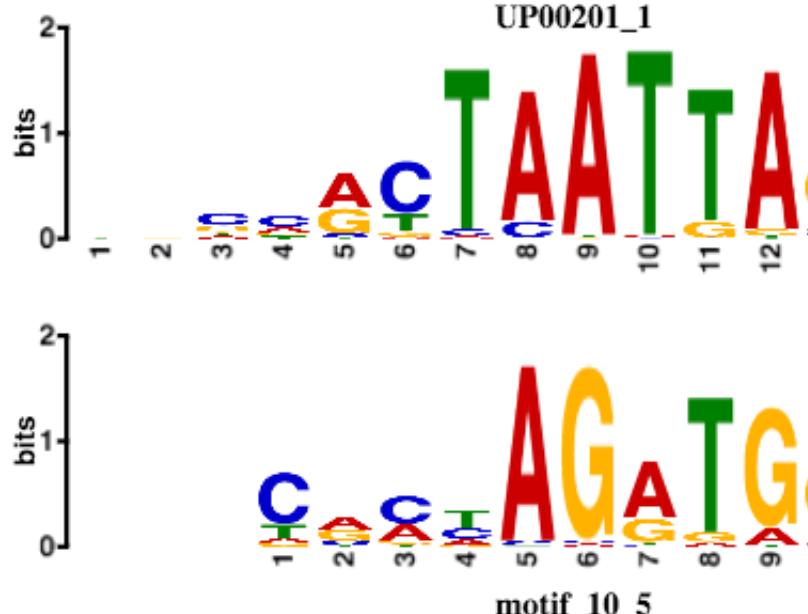


**Summary**

<b>Name</b>	<a href="#">UP00139_1 (Nkx1-2_3214.1)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	7.94e-03
<b>E-value</b>	7.77e+00
<b>q-value</b>	6.86e-01
<b>Overlap</b>	12
<b>Offset</b>	2
<b>Orientation</b>	Reverse Complement
<a href="#">Show logo download options</a>	

**Alignment****Summary**

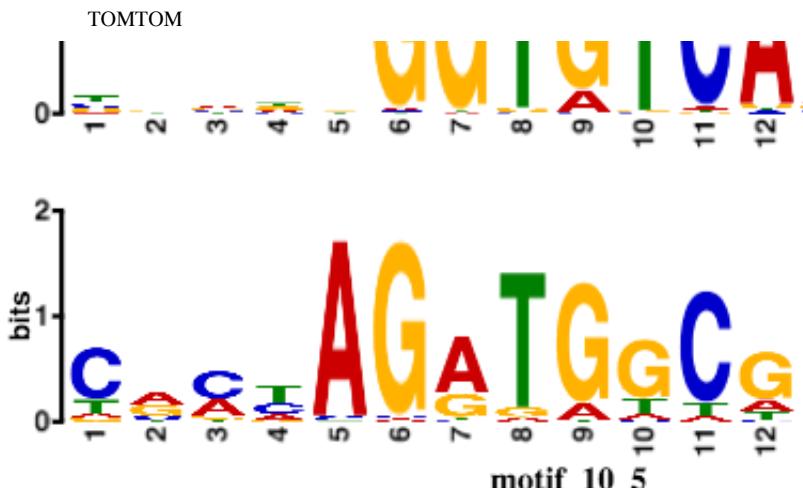
<b>Name</b>	<a href="#">UP00201_1 (Emx2_3420.1)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	8.43e-03
<b>E-value</b>	8.25e+00
<b>q-value</b>	6.86e-01
<b>Overlap</b>	12
<b>Offset</b>	3
<b>Orientation</b>	Reverse Complement
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**Alignment****Summary**

<b>Name</b>	<a href="#">UP00199_1 (Six4_2860.1)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	1.01e-02
<b>E-value</b>	9.85e+00

**Alignment**

<b>q-value</b>	7.0e-07
<b>Overlap</b>	12
<b>Offset</b>	0
<b>Orientation</b>	Reverse Complement
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## MATCHES TO MOTIF\_TRAIN8\_4 (6-AAGATGGCGG)

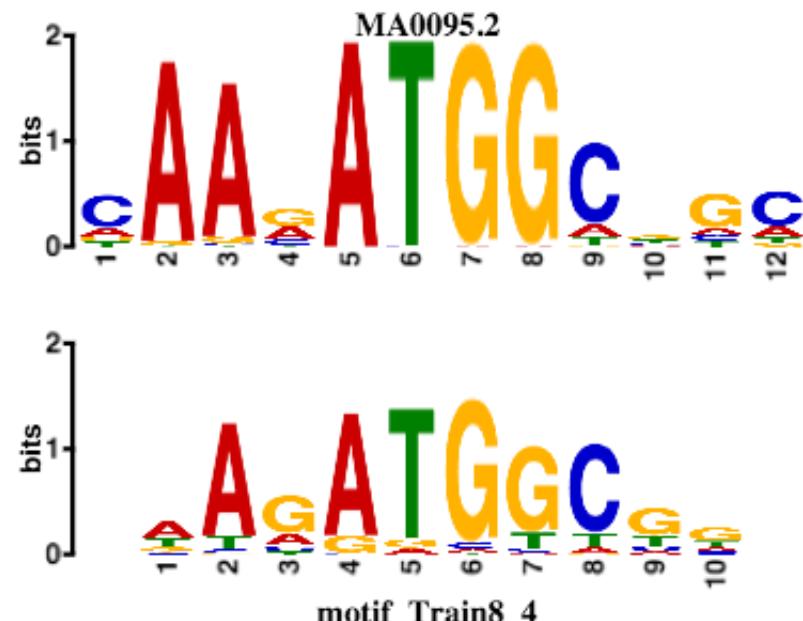
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### Summary

<b>Name</b>	<a href="#">MA0095.2 (YY1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	1.20e-07
<b>E-value</b>	1.17e-04
<b>q-value</b>	2.34e-04

<b>Overlap</b>	10
<b>Offset</b>	1
<b>Orientation</b>	Normal
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### Alignment



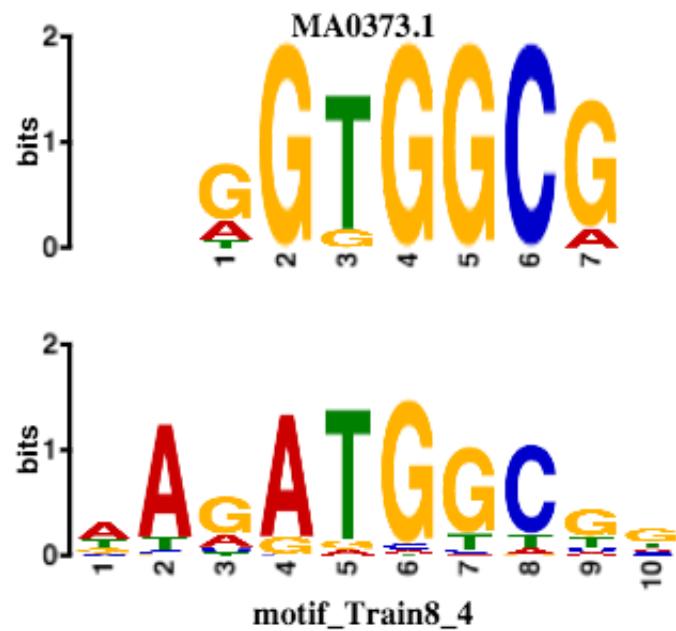
### Summary

<b>Name</b>	<a href="#">MA0373.1 (RPN4)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	8.56e-04
<b>E-value</b>	8.38e-01
<b>q-value</b>	7.53e-01

<b>Overlap</b>	7
<b>Offset</b>	-2
<b>Orientation</b>	Normal
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### Alignment

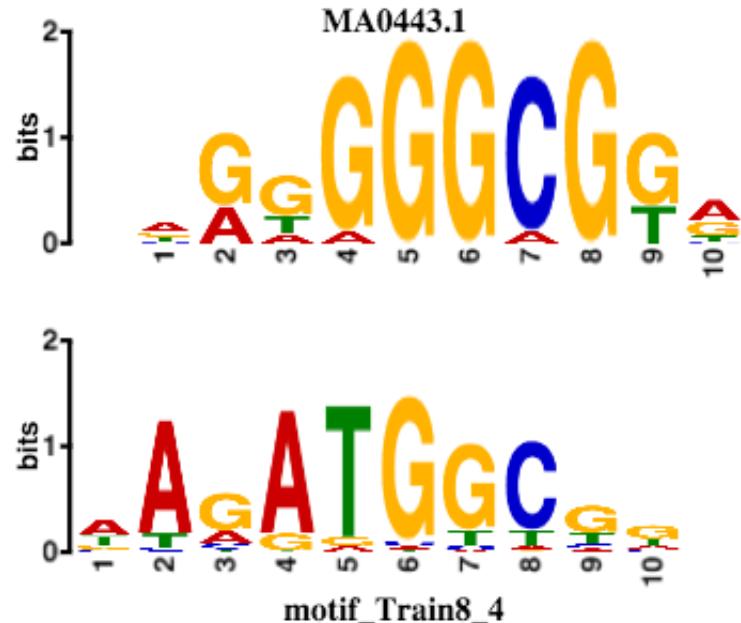


**Summary**

**Name** [MA0443.1 \(btd\)](#)  
**Database** JASPAR CORE 2014

**p-value** 1.19e-03  
**E-value** 1.17e+00  
**q-value** 7.53e-01

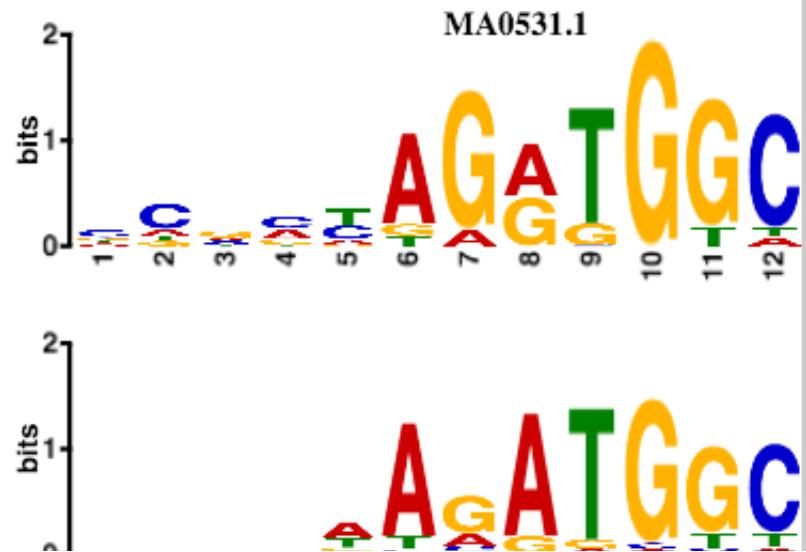
**Overlap** 9  
**Offset** -1  
**Orientation** Normal  
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**Alignment****Summary**

**Name** [MA0531.1 \(CTCF\)](#)  
**Database** JASPAR CORE 2014

**p-value** 1.79e-03  
**E-value** 1.75e+00  
**q-value** 7.53e-01

**Overlap** 10  
**Offset** 4  
**Orientation** Normal  
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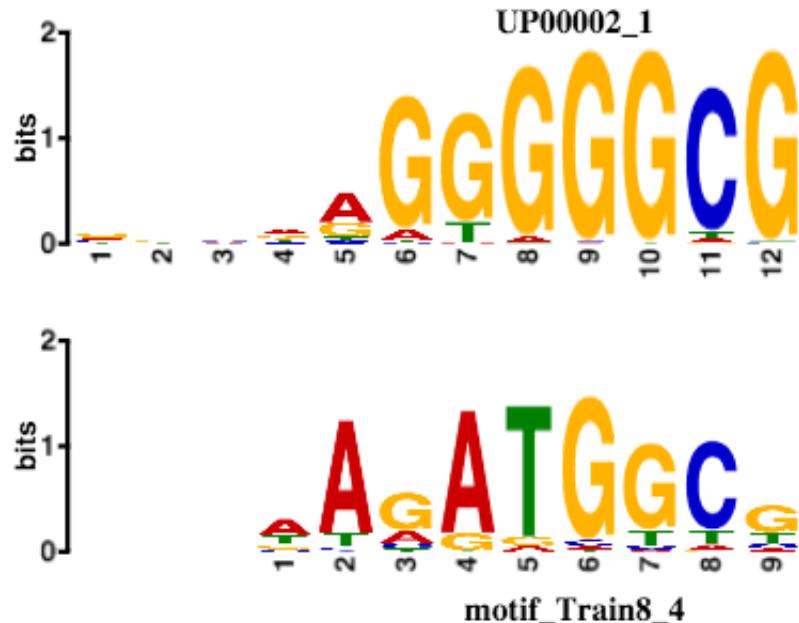
**Alignment**

**Summary****Alignment**

**Name** [UP00002\\_1](#)  
**Database** uniprobe mouse

**p-value** 2.15e-03  
**E-value** 2.10e+00  
**q-value** 7.53e-01

**Overlap** 10  
**Offset** 3  
**Orientation** Reverse Complement  
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**Summary****Alignment**

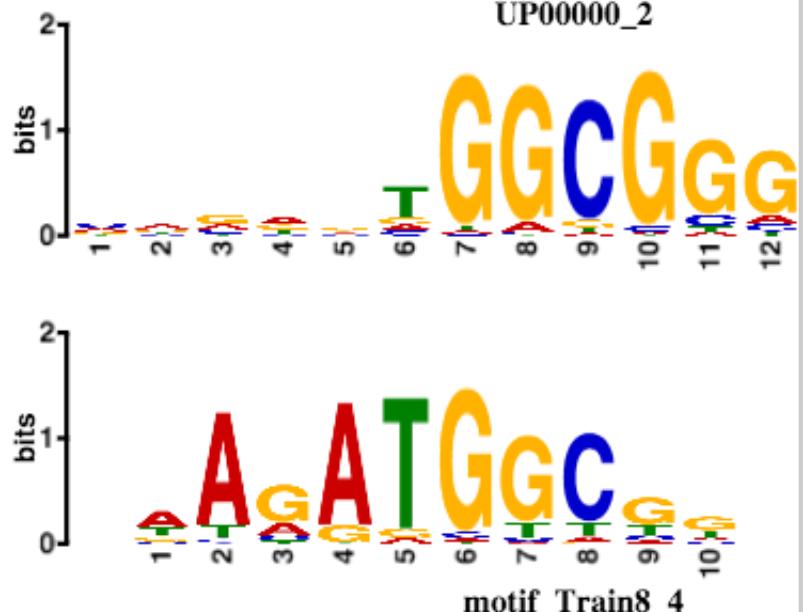
**Name** [MA0461.1 \(Atoh1\)](#)  
**Database** JASPAR CORE 2014  
  
**p-value** 2.31e-03  
**E-value** 2.26e+00  
**q-value** 7.53e-01

**Overlap** 8  
**Offset** 0  
**Orientation** Normal  
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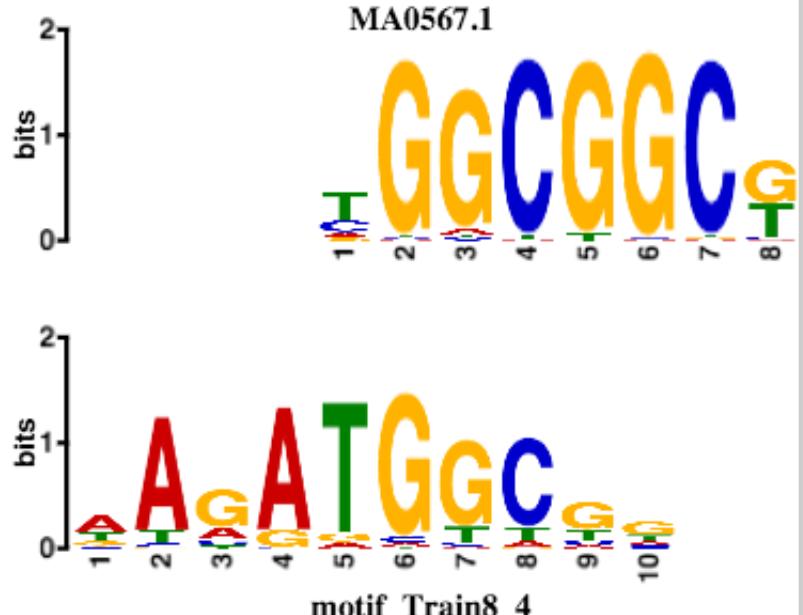


**Summary****Alignment**

<b>Name</b>	<a href="#">UP00000_2</a> (Smad3 secondary)
<b>Database</b>	uniprobe mouse
<b>p-value</b>	3.58e-03
<b>E-value</b>	3.50e+00
<b>q-value</b>	9.40e-01
<b>Overlap</b>	10
<b>Offset</b>	1
<b>Orientation</b>	Reverse Complement
	<a href="#">Show logo download options</a>

**Summary****Alignment**

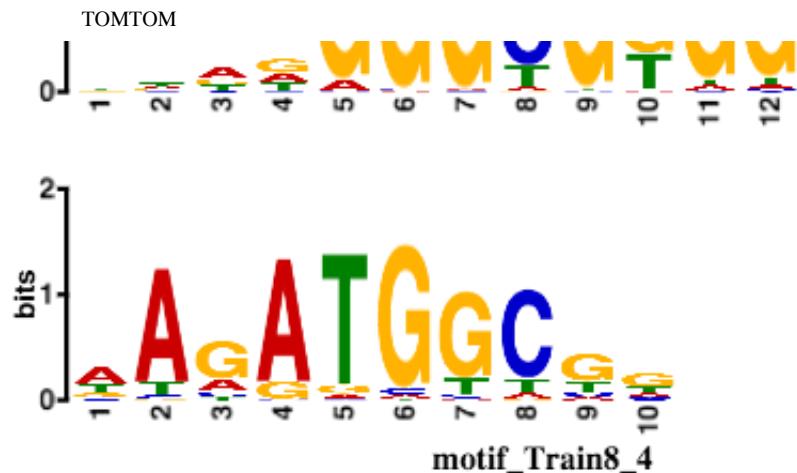
<b>Name</b>	<a href="#">MA0567.1 (ERF1)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	3.84e-03
<b>E-value</b>	3.76e+00
<b>q-value</b>	9.40e-01
<b>Overlap</b>	6
<b>Offset</b>	-4
<b>Orientation</b>	Reverse Complement
	<a href="#">Show logo download options</a>

**Summary****Alignment**

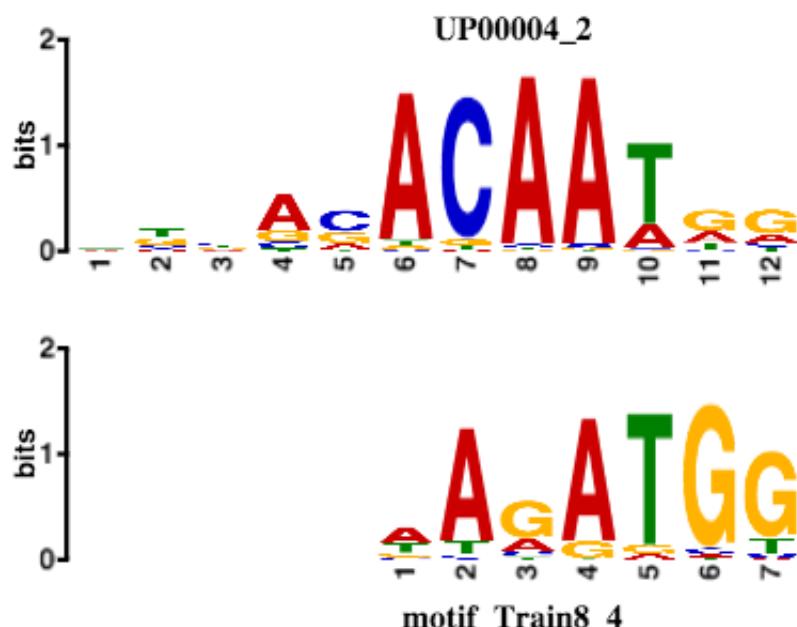
<b>Name</b>	<a href="#">UP00093_1</a> (Klf7 primary)
<b>Database</b>	uniprobe mouse



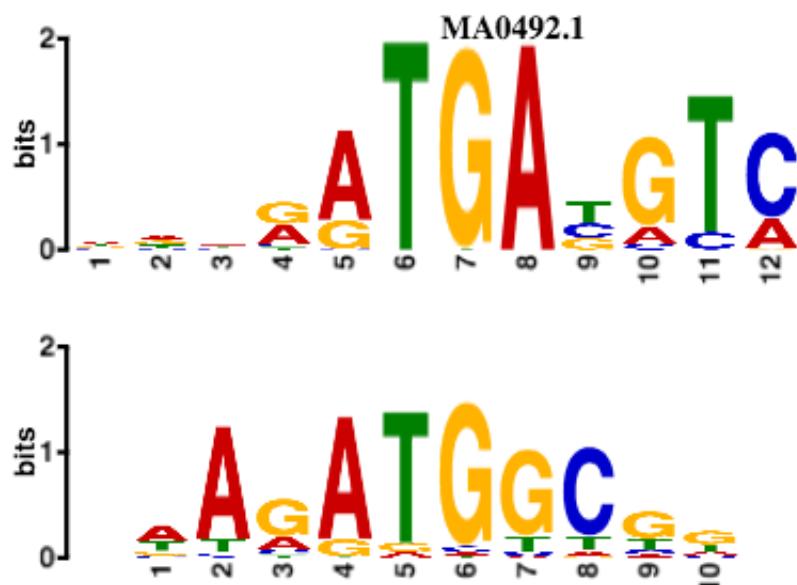
<b>p-value</b>	4.81e-03
<b>E-value</b>	4.71e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	10
<b>Offset</b>	0
<b>Orientation</b>	Reverse Complement
 <a href="#">Show logo download options</a>	

**Summary**

<b>Name</b>	<a href="#">UP00004_2 (Sox14 secondary)</a>
<b>Database</b>	uniprobe mouse
<b>p-value</b>	7.66e-03
<b>E-value</b>	7.50e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	10
<b>Offset</b>	5
<b>Orientation</b>	Normal
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**Alignment****Summary**

<b>Name</b>	<a href="#">MA0492.1 (JUND)</a>
<b>Database</b>	JASPAR CORE 2014
<b>p-value</b>	7.66e-03
<b>E-value</b>	7.50e+00
<b>q-value</b>	1.00e+00
<b>Overlap</b>	10
<b>Offset</b>	1
<b>Orientation</b>	Normal
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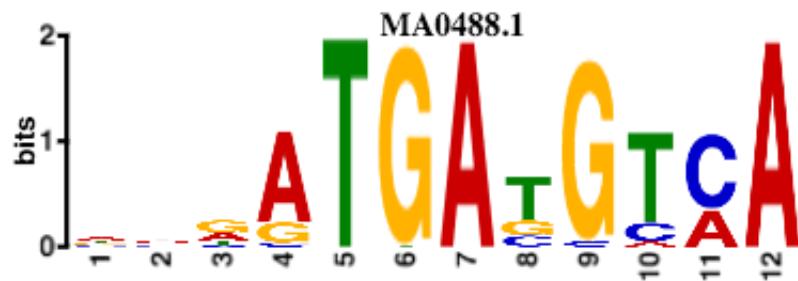
**Alignment**

**Summary**

**Name** MA0488.1 (JUN)  
**Database** JASPAR CORE 2014

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

**Overlap** 10  
**Offset** 0  
**Orientation** Normal  
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**Alignment****SETTINGS**
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**Background**

<b>Name</b>	<b>Bg.</b>		<b>Bg.</b>	<b>Name</b>
Adenine	0.250	A	~	T
Cytosine	0.250	C	~	G

**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.

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**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_group8.txt
```

Result calculation took 7.396 seconds



