



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 group2	motif_10_8	9- GGGTGAGAAAAAA		17	MA0326. UP00068
motif group2	motif_Train1_6	8-GGGTGATHAA		33	UP00133 UP00239
motif group2	motif_Train2_6	7- GGGTGATAAAAA		20	MA0216. 3), UPC
motif group2	motif_Train3_6	8- GGGTDAGAAAAAA		13	MA0216. MA0326.
motif group2	motif_Train4_7	9- GGGTGATAAAAA		23	MA0216. 3), UPC
motif group2	motif_Train5_8	9- GGGTGAGAAAAAA		18	MA0326. UP00068
motif group2	motif_Train6_7	9- GGGTGAGAAAAAA		16	UP00068 MA0326.
motif group2	motif_Train7_5	8- GGGTBRBMAAAA		16	UP00135 MA0222.
motif group2	motif_Train8_7	9- GGGTGAKCAAAA		19	MA0326. UP00035

motif
group2

motif_Train9_8

10-
GGGTGATAAAAAA

TOMTOM



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[MA0542.](#)
[MA0216.](#)

TARGET DATABASES

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Database	Used	Matched
uniprobe mouse	386	36
JASPAR CORE 2014	593	28

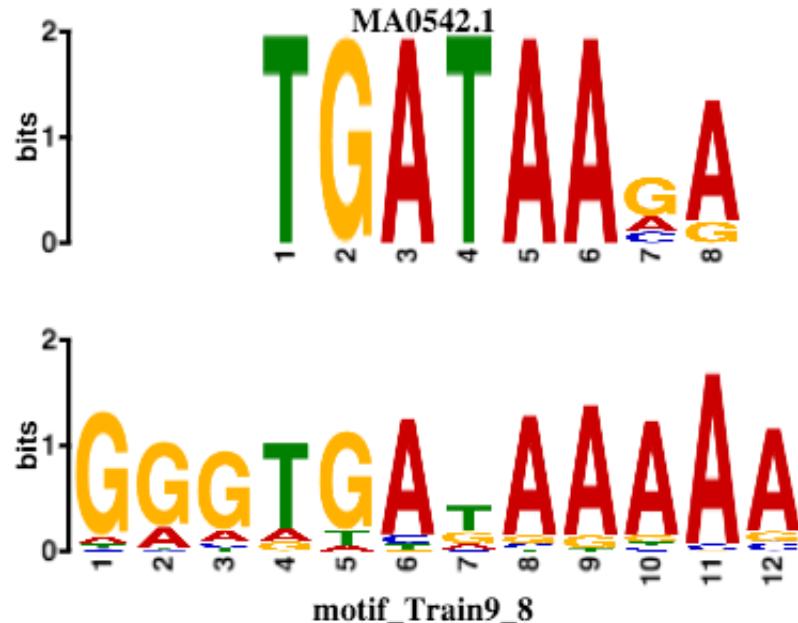
MATCHES TO MOTIF_TRAIN9_8 (10-GGGTGATAAAAAA)

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Summary

Alignment

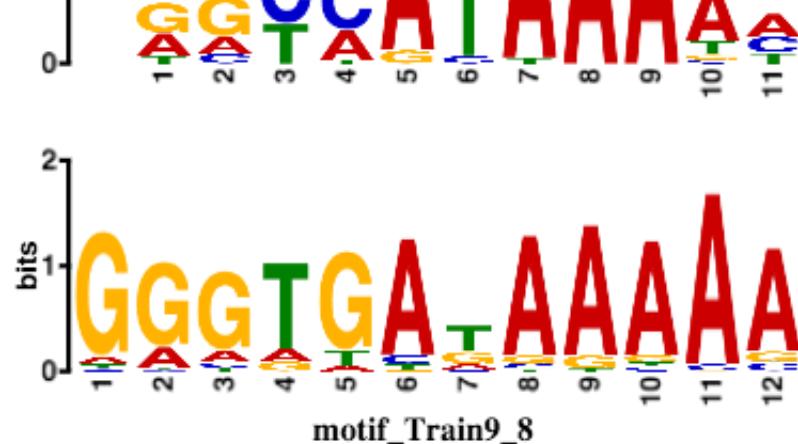
Name	MA0542.1 (ELT-3)
Database	JASPAR CORE 2014
p-value	4.86e-04
E-value	4.76e-01
q-value	4.81e-01
Overlap	8
Offset	-3
Orientation	Reverse Complement

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Summary

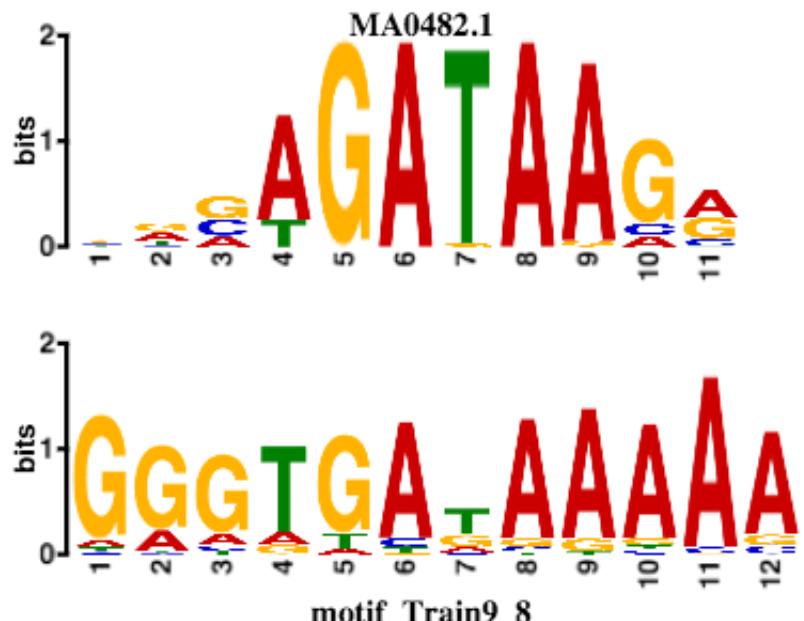
Alignment

Name	MA0216.2 (CAD)
Database	JASPAR CORE 2014
p-value	4.92e-04
E-value	4.81e-01
q-value	4.81e-01
Overlap	11
Offset	-1
Orientation	Normal

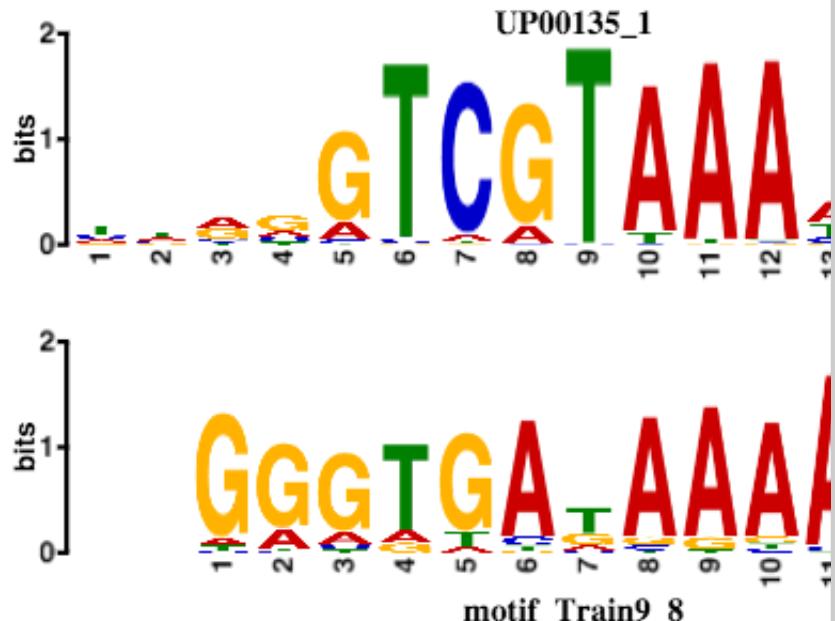
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Summary

Name	MA0482.1 (Gata4)
Database	JASPAR CORE 2014
p-value	8.20e-04
E-value	8.03e-01
q-value	5.35e-01
Overlap	11
Offset	0
Orientation	Reverse Complement
	Show logo download options

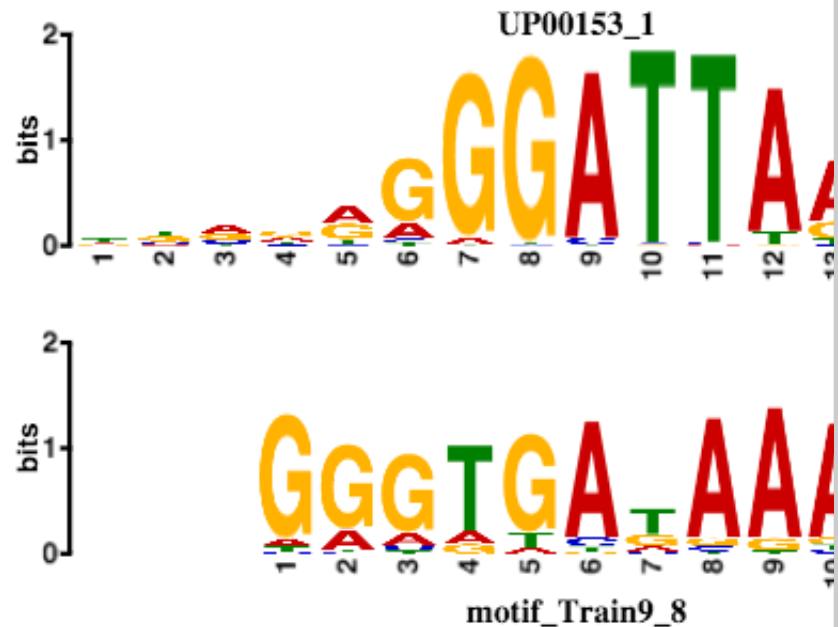
Alignment**Summary**

Name	UP00135_1 (Hoxc12_3480.1)
Database	uniprobe mouse
p-value	1.80e-03
E-value	1.76e+00
q-value	6.21e-01
Overlap	12
Offset	2
Orientation	Normal
	Show logo download options

Alignment**Summary**

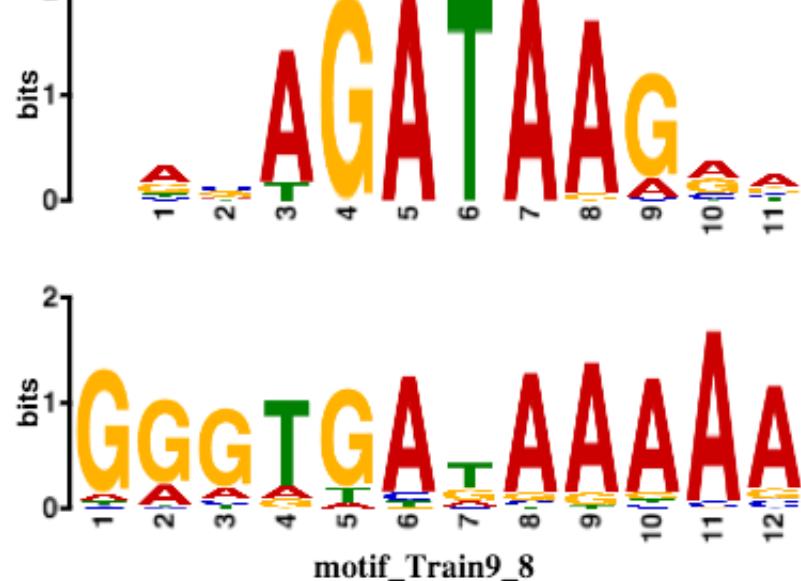
Name	UP00153_1 (Pitx1_2312.1)
Database	uniprobe mouse
p-value	1.80e-03
E-value	1.76e+00
q-value	6.21e-01
Overlap	12
Offset	3
Orientation	Normal

Alignment

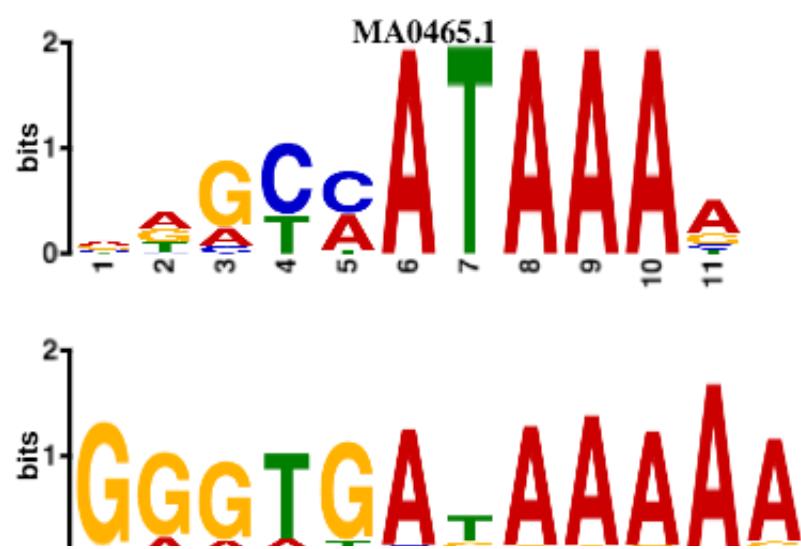
[Show logo download options](#)**Summary****Alignment**

Name	MA0035.3 (Gata1)
Database	JASPAR CORE 2014
p-value	1.90e-03
E-value	1.86e+00
q-value	6.21e-01
Overlap	11
Offset	-1
Orientation	Reverse Complement

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**Summary****Alignment**

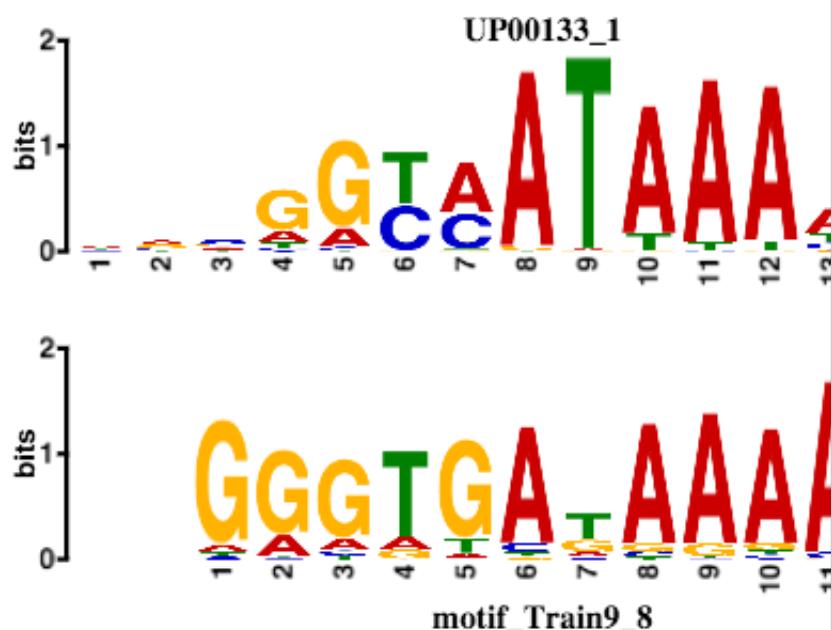
Name	MA0465.1 (CDX2)
Database	JASPAR CORE 2014
p-value	2.39e-03
E-value	2.34e+00
q-value	6.56e-01
Overlap	11
Offset	0
Orientation	Normal



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

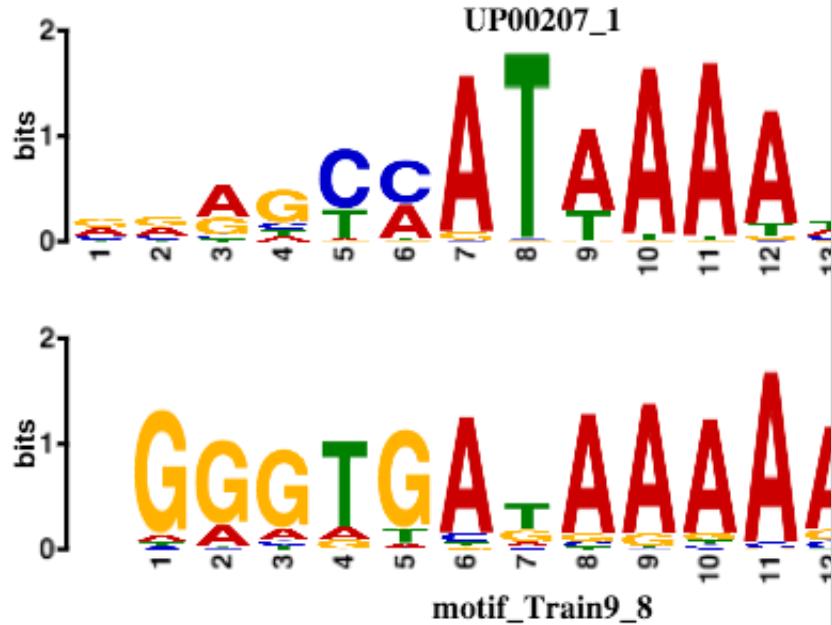
Name	UP00133_1 (Cdx2_4272.1)
Database	uniprobe mouse
p-value	2.76e-03
E-value	2.70e+00
q-value	6.56e-01

Overlap	12
Offset	2
Orientation	Normal

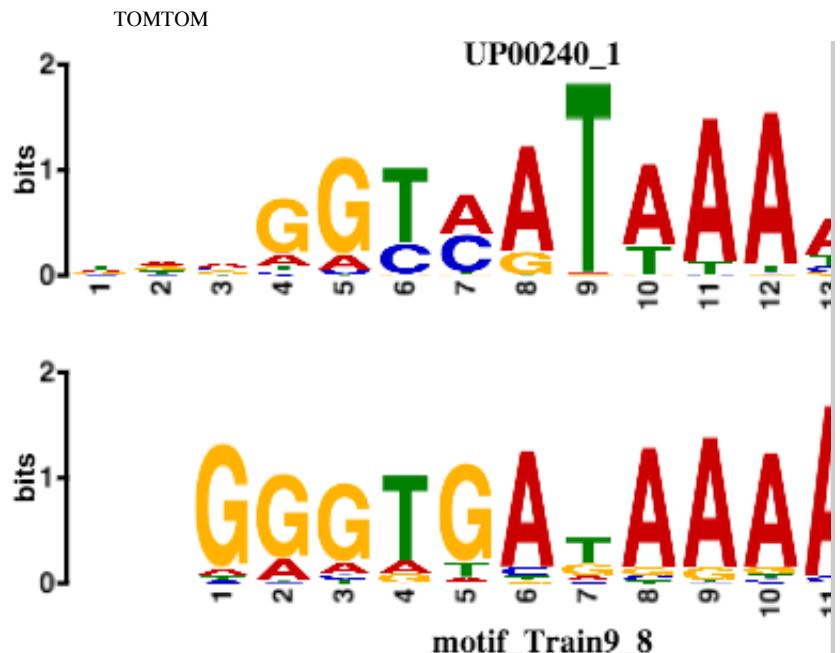
[Show logo download options](#)**Summary****Alignment**

Name	UP00207_1 (Hoxb9_3413.1)
Database	uniprobe mouse
p-value	3.02e-03
E-value	2.95e+00
q-value	6.56e-01

Overlap	12
Offset	1
Orientation	Normal

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

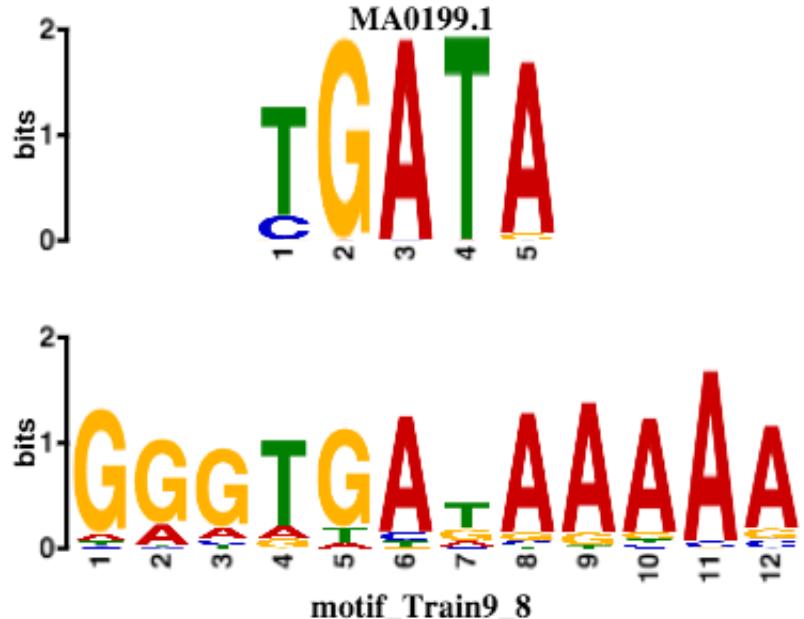
Name	UP00240_1 (Cdx1_2245.1)
Database	uniprobe mouse
p-value	4.47e-03
E-value	4.38e+00
q-value	7.44e-01
Overlap	12
Offset	2
Orientation	Normal
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Summary

Alignment

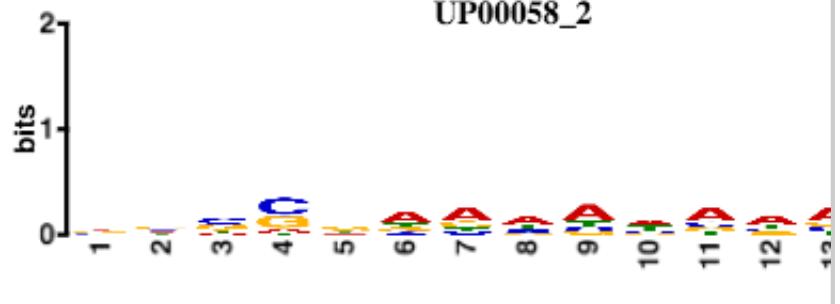
Name	MA0199.1 (Optix)
Database	JASPAR CORE 2014
p-value	5.39e-03
E-value	5.27e+00
q-value	7.44e-01
Overlap	5
Offset	-3
Orientation	Normal
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Summary

Alignment

Name	UP00058_2 (Tcf3_secondary)
Database	uniprobe mouse
p-value	5.42e-03
E-value	5.30e+00
q-value	7.44e-01



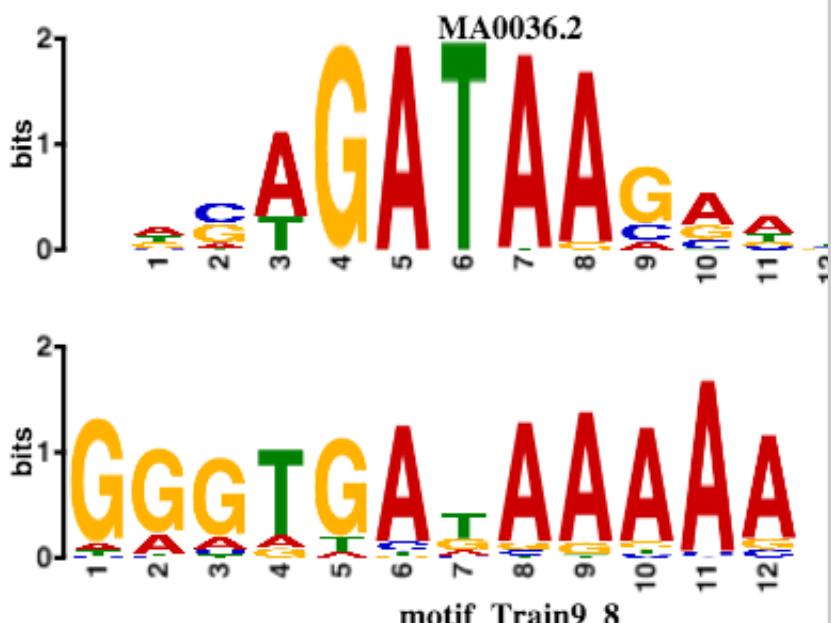
Overlap 12
Offset 0
Orientation Normal
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Summary

Name [MA0036.2 \(GATA2\)](#)
Database JASPAR CORE 2014
p-value 5.51e-03
E-value 5.40e+00
q-value 7.44e-01
Overlap 11
Offset -1
Orientation Reverse Complement
[Show logo download options](#)

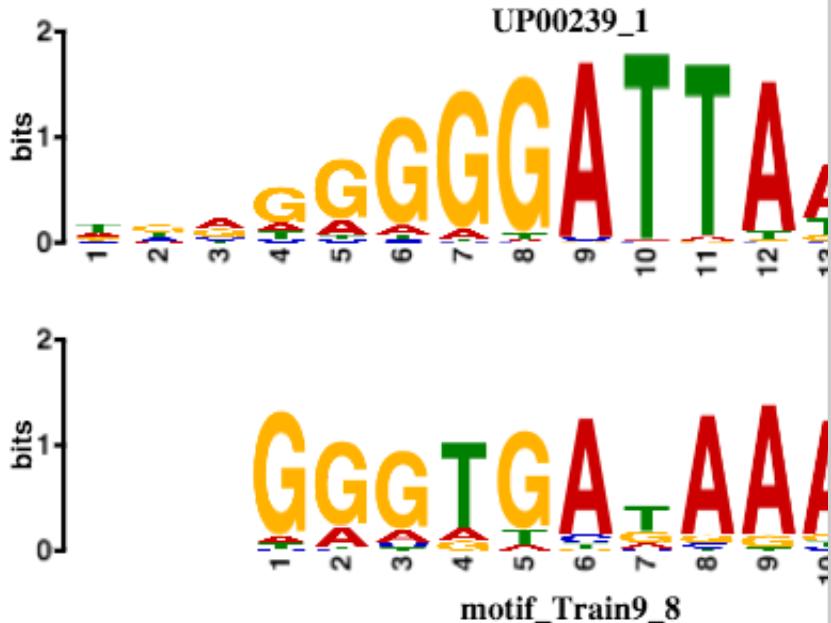
Alignment



Summary

Name [UP00239_1 \(Obox2_3438.2\)](#)
Database uniprobe mouse
p-value 5.95e-03
E-value 5.82e+00
q-value 7.44e-01
Overlap 12
Offset 3
Orientation Normal
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Alignment



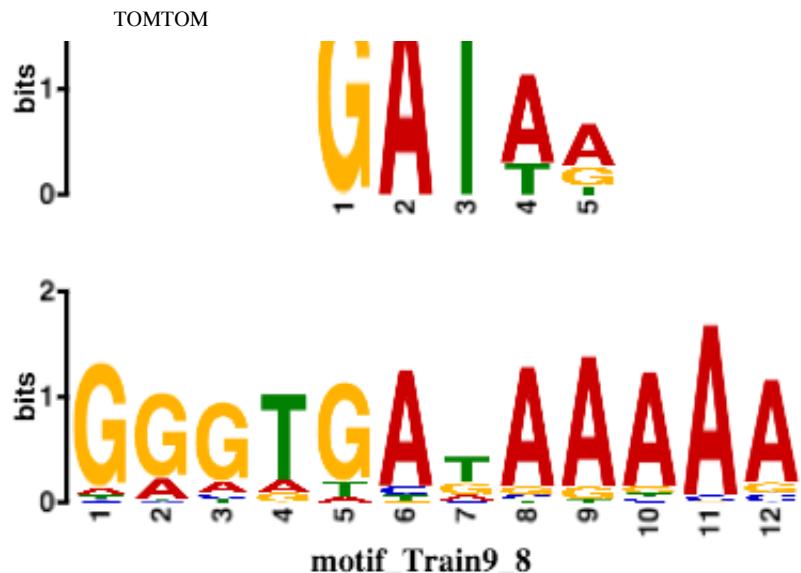
Summary

Name [MA0307.1 \(GLN3\)](#)

Alignment



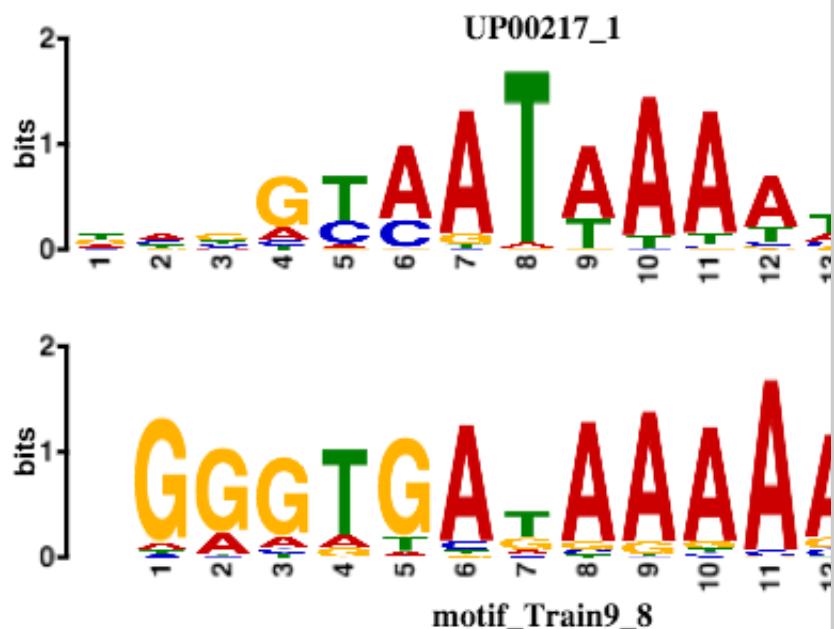
Database	JASPAR CORE 2014
p-value	6.04e-03
E-value	5.92e+00
q-value	7.44e-01
Overlap	5
Offset	-4
Orientation	Normal
Show logo download options	



Summary

Name	UP00217_1 (Hoxa10_2318.1)
Database	uniprobe mouse
p-value	6.26e-03
E-value	6.12e+00
q-value	7.44e-01
Overlap	12
Offset	1
Orientation	Normal
Show logo download options	

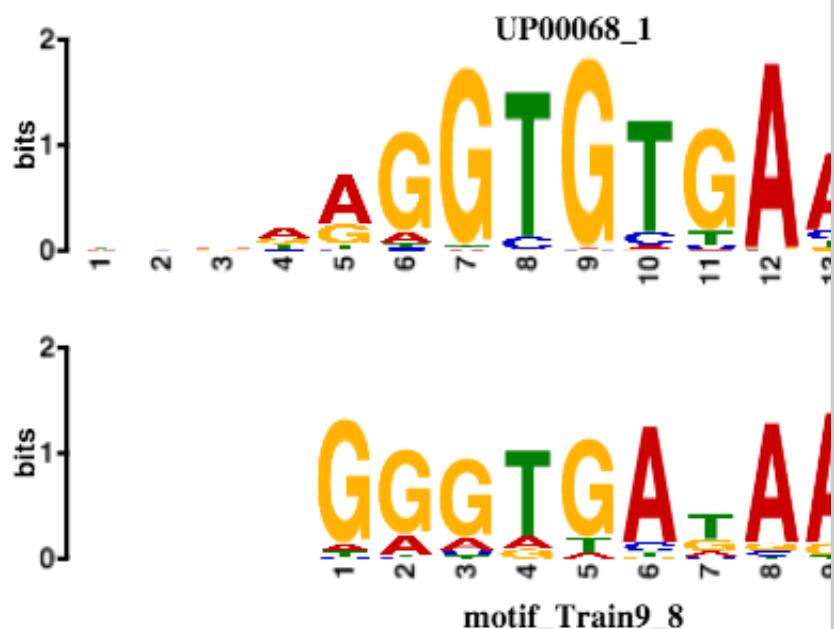
Alignment



Summary

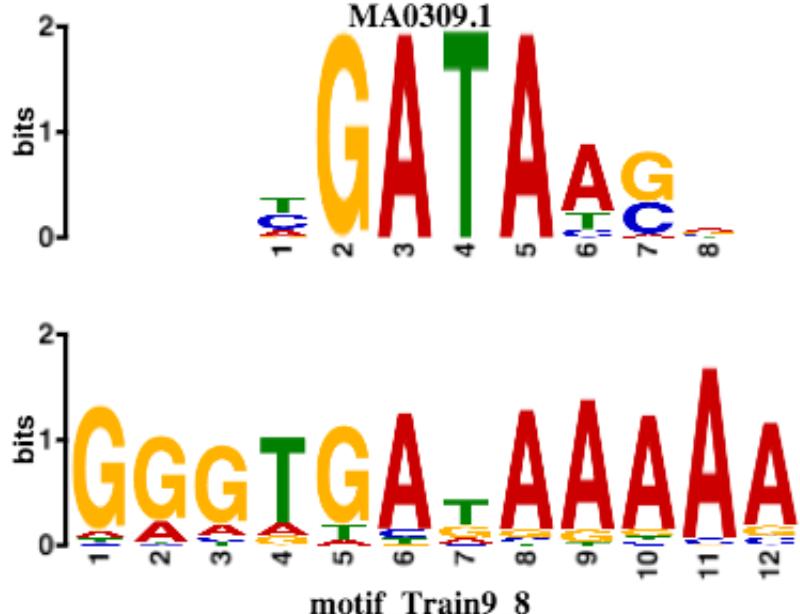
Name	UP00068_1 (Eomes_primary)
Database	uniprobe mouse
p-value	6.46e-03
E-value	6.33e+00
q-value	7.44e-01
Overlap	12
Offset	4
Orientation	Normal
Show logo download options	

Alignment

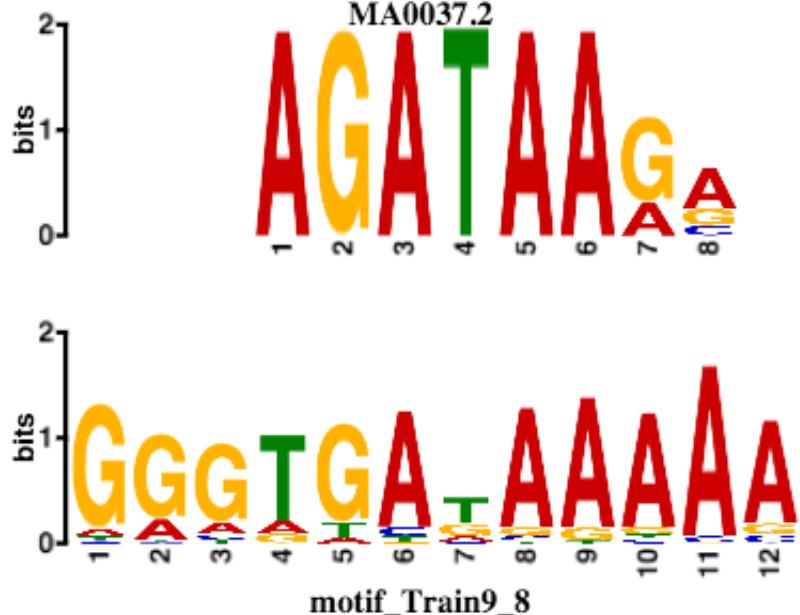


Summary

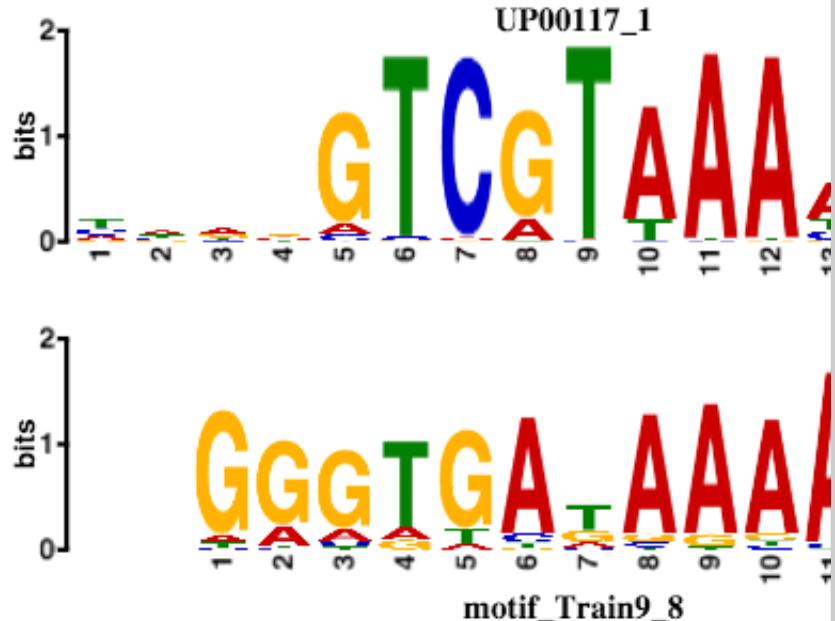
Name	MA0309.1 (GZF3)
Database	JASPAR CORE 2014
p-value	8.42e-03
E-value	8.25e+00
q-value	8.55e-01
Overlap	8
Offset	-3
Orientation	Normal

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

Name	MA0037.2 (GATA3)
Database	JASPAR CORE 2014
p-value	9.68e-03
E-value	9.48e+00
q-value	8.55e-01
Overlap	8
Offset	-3
Orientation	Normal

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

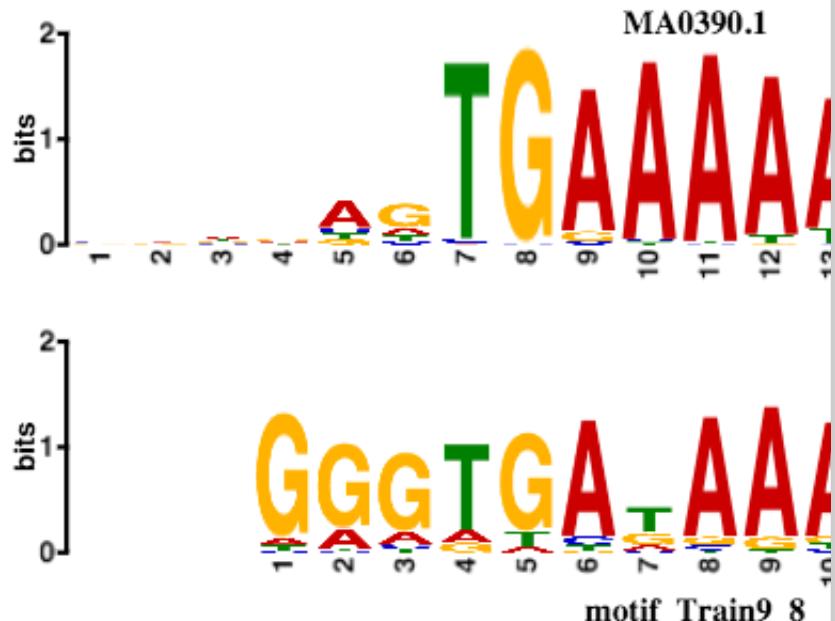
Name	UP00117_1 (Hoxd11_3873.1)
Database	uniprobe mouse
p-value	9.69e-03
E-value	9.49e+00
q-value	8.55e-01
Overlap	12
Offset	2
Orientation	Normal
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Summary

Alignment

Name	MA0390.1 (STB3)
Database	JASPAR CORE 2014
p-value	9.80e-03
E-value	9.59e+00
q-value	8.55e-01
Overlap	12
Offset	3
Orientation	Reverse Complement
Show logo download options	

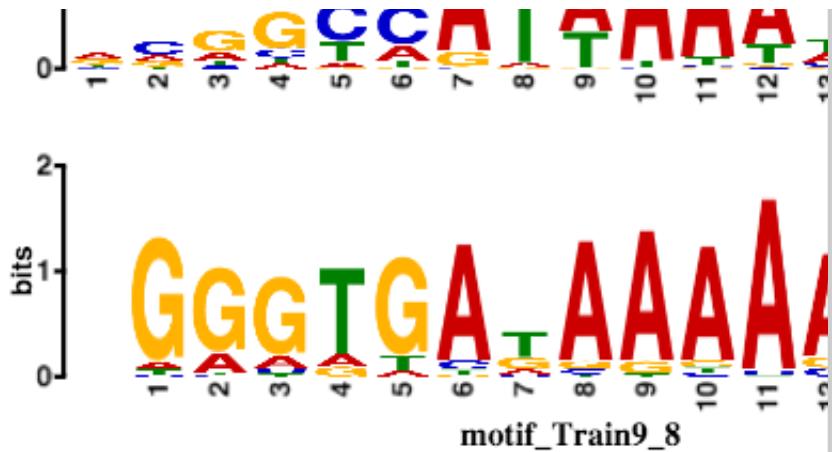


Summary

Alignment

Name	UP00213_1 (Hoxa9_2622.2)
Database	uniprobe mouse
p-value	1.01e-02
E-value	9.87e+00
q-value	8.55e-01
Overlap	12
Offset	1
Orientation	Normal
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MATCHES TO MOTIF_TRAIN2_6 (7-GGGTGATAAAAA)

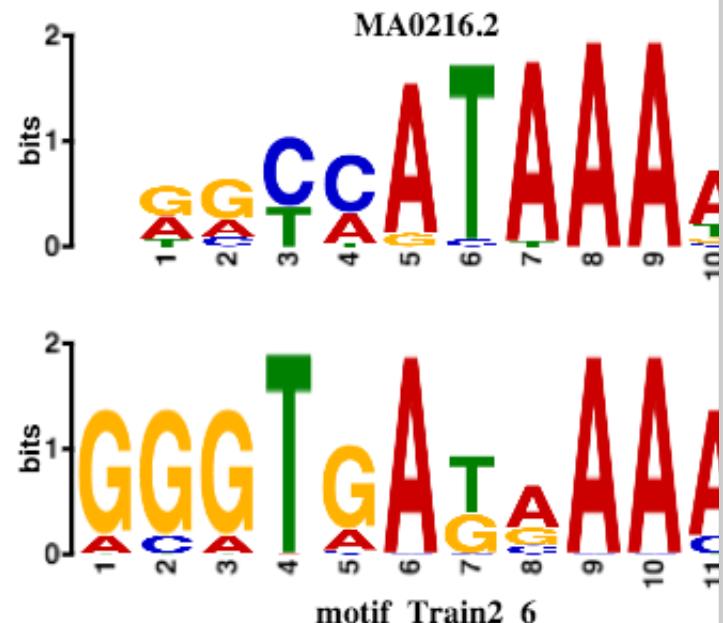
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Summary

Name	MA0216.2 (CAD)
Database	JASPAR CORE 2014
p-value	4.83e-04
E-value	4.73e-01
q-value	6.96e-01
Overlap	11
Offset	-1
Orientation	Normal

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Alignment

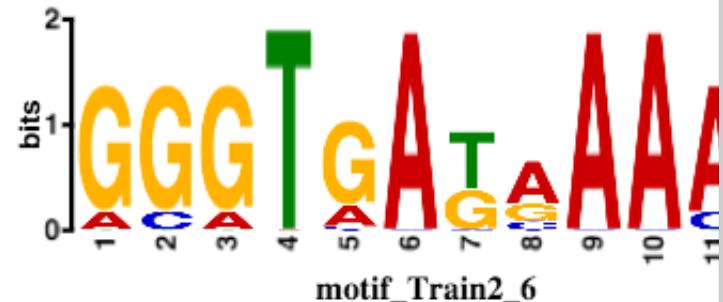


Summary

Name	MA0542.1 (ELT-3)
Database	JASPAR CORE 2014
p-value	7.48e-04
E-value	7.32e-01
q-value	6.96e-01
Overlap	8
Offset	-3
Orientation	Reverse Complement

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Alignment

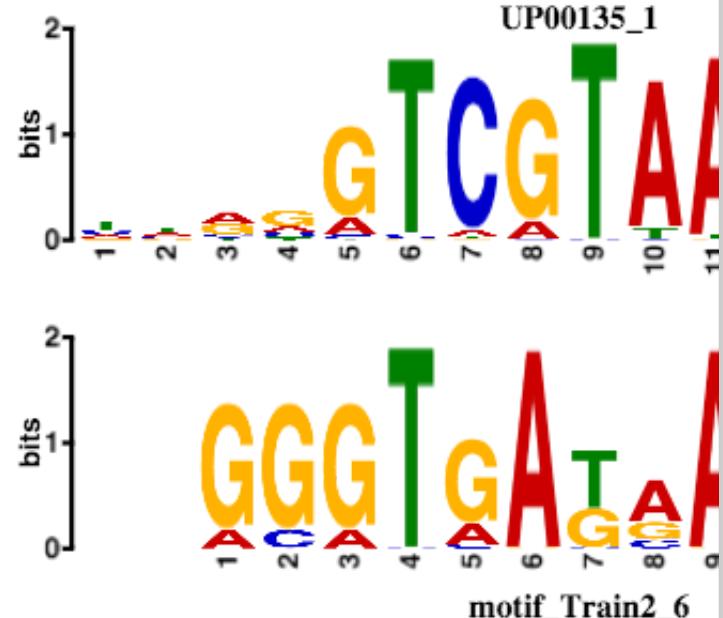


Summary

Name	UP00135_1 (Hoxc12_3480.1)
Database	uniprobe mouse
p-value	1.48e-03
E-value	1.45e+00
q-value	6.96e-01
Overlap	12
Offset	2
Orientation	Normal

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Alignment

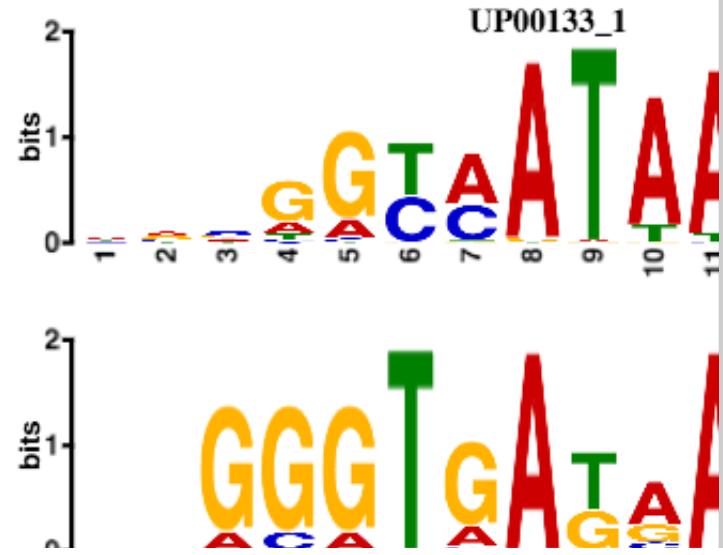


Summary

Name	UP00133_1 (Cdx2_4272.1)
Database	uniprobe mouse
p-value	1.54e-03
E-value	1.50e+00
q-value	6.96e-01
Overlap	12
Offset	2
Orientation	Normal

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Alignment



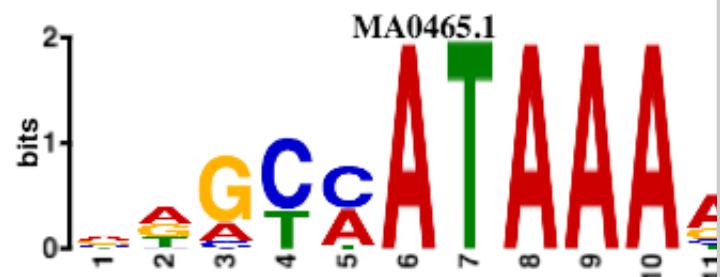
**Summary**

Name [MA0465.1 \(CDX2\)](#)
Database JASPAR CORE 2014

p-value 2.41e-03
E-value 2.36e+00
q-value 6.96e-01

Overlap 11
Offset 0
Orientation Normal

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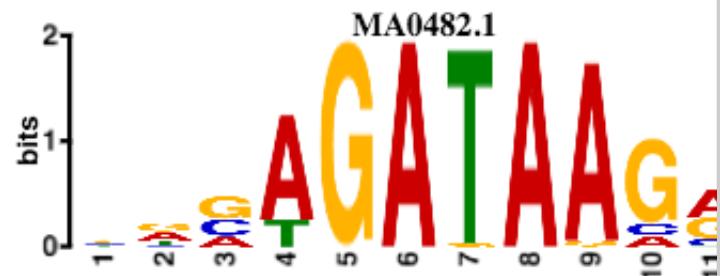
Alignment**Summary**

Name [MA0482.1 \(Gata4\)](#)
Database JASPAR CORE 2014

p-value 2.57e-03
E-value 2.52e+00
q-value 6.96e-01

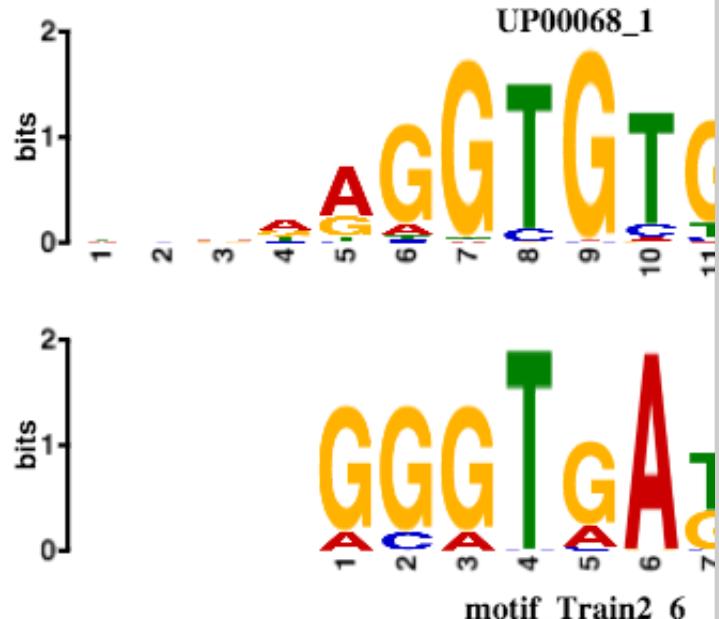
Overlap 11
Offset 0
Orientation Reverse Complement

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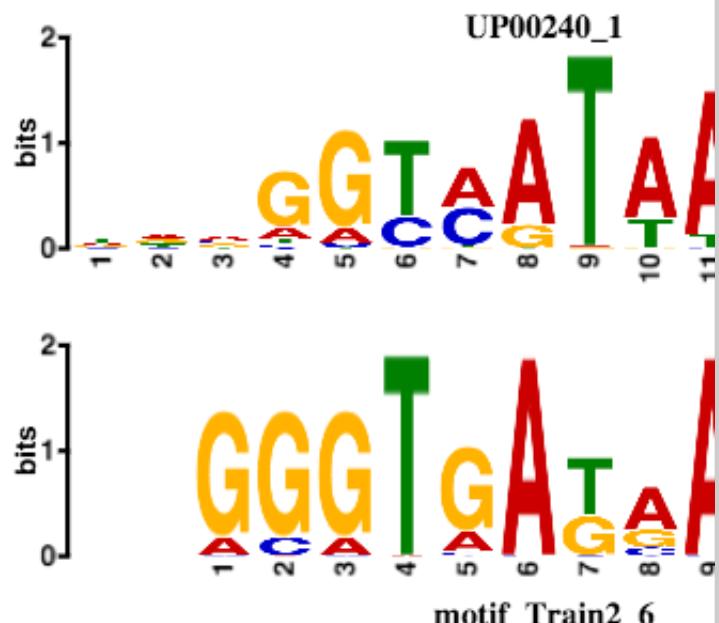
Alignment

Summary

Name	UP00068_1 (Eomes_primary)
Database	uniprobe mouse
p-value	2.67e-03
E-value	2.62e+00
q-value	6.96e-01
Overlap	12
Offset	4
Orientation	Normal

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

Name	UP00240_1 (Cdx1_2245.1)
Database	uniprobe mouse
p-value	2.94e-03
E-value	2.88e+00
q-value	6.96e-01
Overlap	12
Offset	2
Orientation	Normal

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

Name	UP00207_1 (Hoxb9_3413.1)
Database	uniprobe mouse

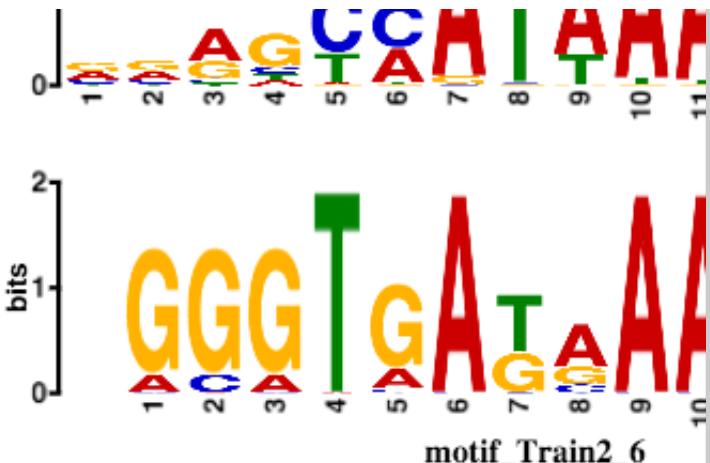
Alignment

p-value 3.34e-03
E-value 3.27e+00
q-value 6.96e-01

Overlap 12
Offset 1
Orientation Normal

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Summary

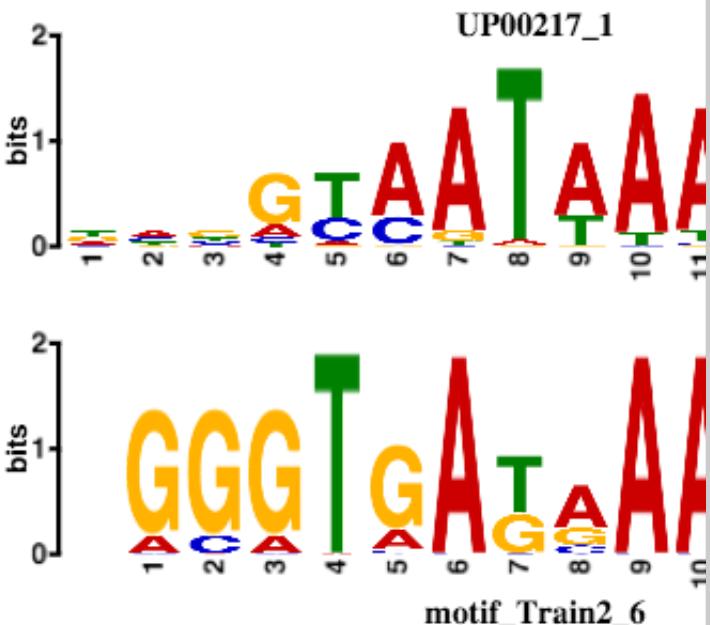
Name [UP00217_1](#)
(Hoxa10_2318.1)
Database uniprobe mouse

p-value 3.56e-03
E-value 3.48e+00
q-value 6.96e-01

Overlap 12
Offset 1
Orientation Normal

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Alignment



Summary

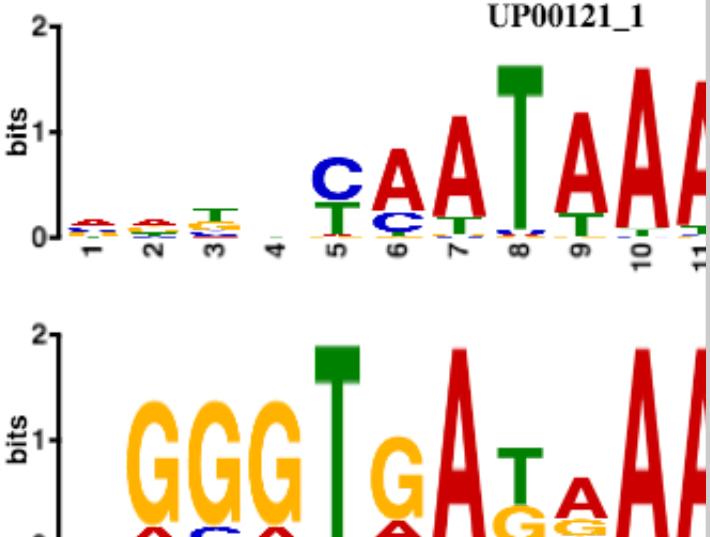
Name [UP00121_1](#)
(Hoxd10_2368.2)
Database uniprobe mouse

p-value 4.44e-03
E-value 4.35e+00
q-value 7.23e-01

Overlap 12
Offset 1
Orientation Normal

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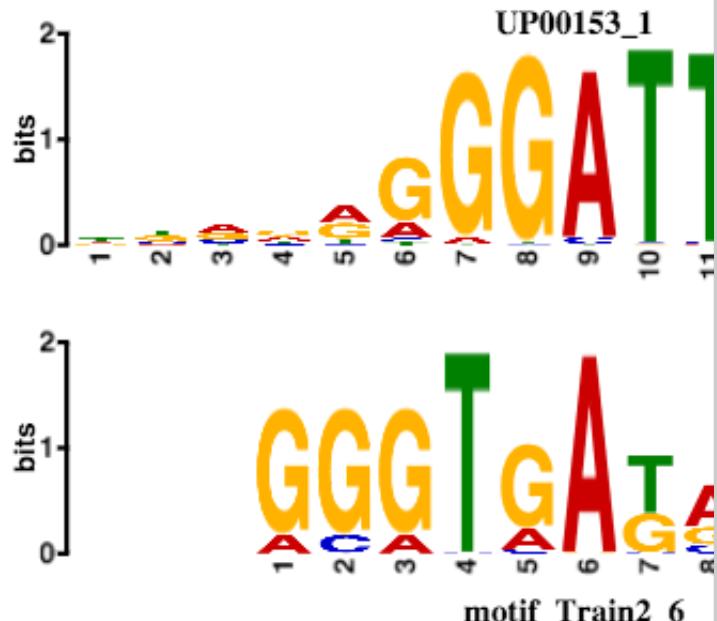
Alignment



**Summary**

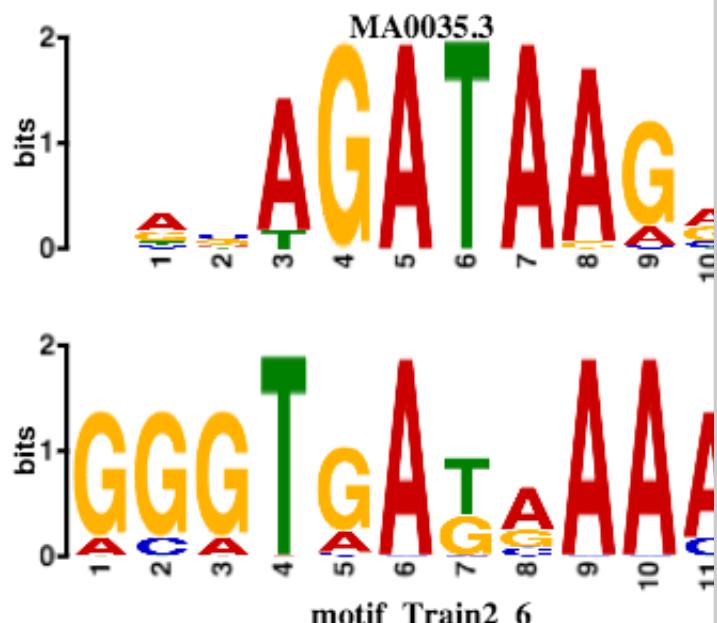
Name	UP00153_1 (Pitx1_2312.1)
Database	uniprobe mouse
p-value	4.44e-03
E-value	4.35e+00
q-value	7.23e-01
Overlap	12
Offset	3
Orientation	Normal

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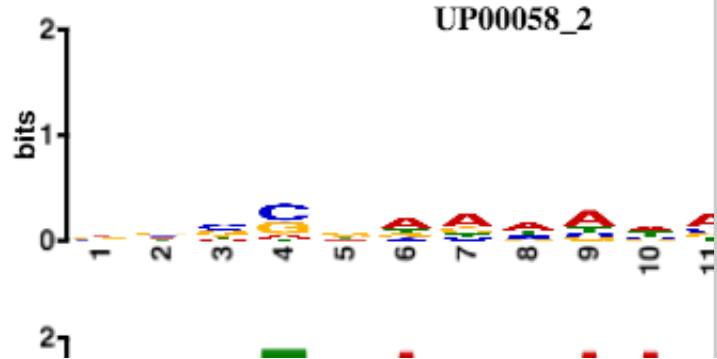
Alignment**Summary**

Name	MA0035.3 (Gata1)
Database	JASPAR CORE 2014
p-value	5.91e-03
E-value	5.78e+00
q-value	8.58e-01
Overlap	11
Offset	-1
Orientation	Reverse Complement

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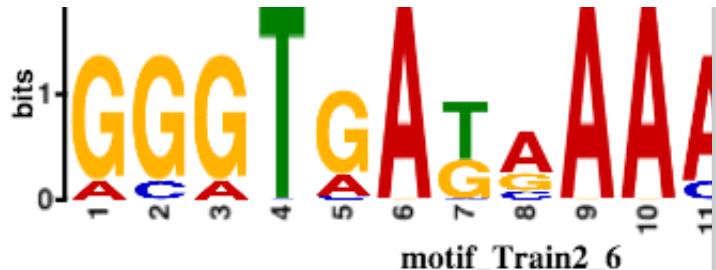
Alignment**Summary**

Name	UP00058_2 (Tcf3_secondary)
Database	uniprobe mouse
p-value	6.14e-03
E-value	6.01e+00
q-value	8.58e-01
Overlap	12

Alignment

Offset 0
Orientation Normal
[Show logo download options](#)

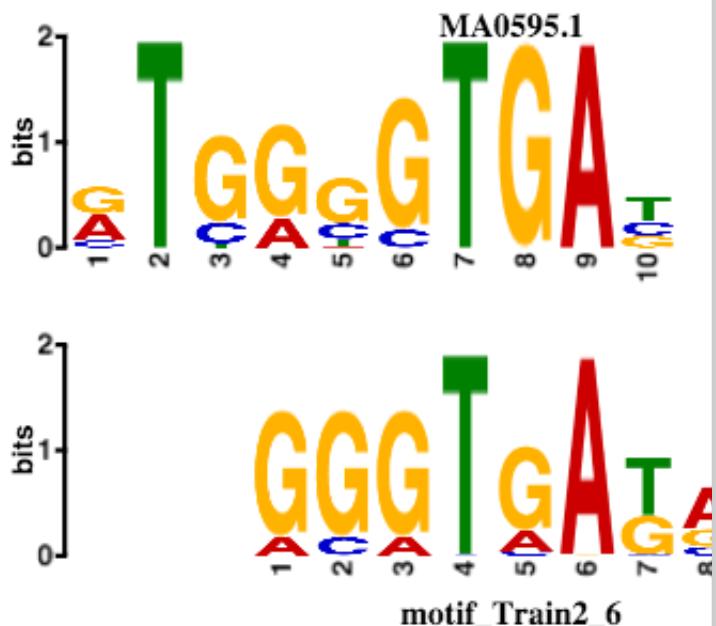
TOMTOM

**Summary**

Name [MA0595.1 \(SREBF1\)](#)
Database JASPAR CORE 2014

p-value 6.99e-03
E-value 6.84e+00
q-value 8.88e-01

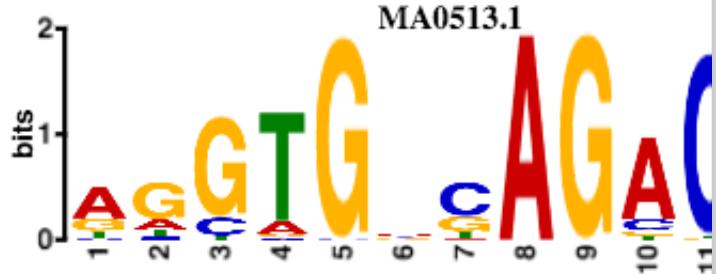
Overlap 7
Offset 3
Orientation Reverse Complement
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Alignment**Summary**

Name [MA0513.1 \(SMAD2::SMAD3::SMAD4\)](#)
Database JASPAR CORE 2014

p-value 7.81e-03
E-value 7.64e+00
q-value 8.88e-01

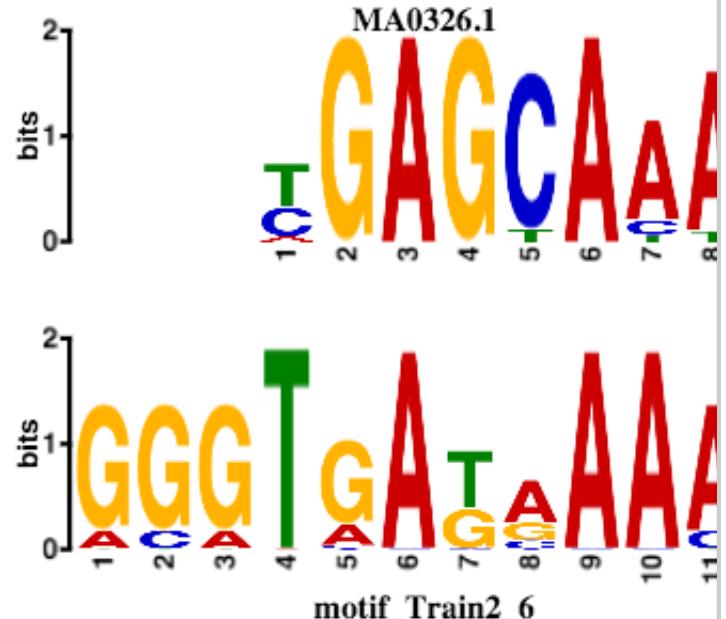
Overlap 12
Offset 0
Orientation Reverse Complement
[Show logo download options](#)

Alignment

**Summary**

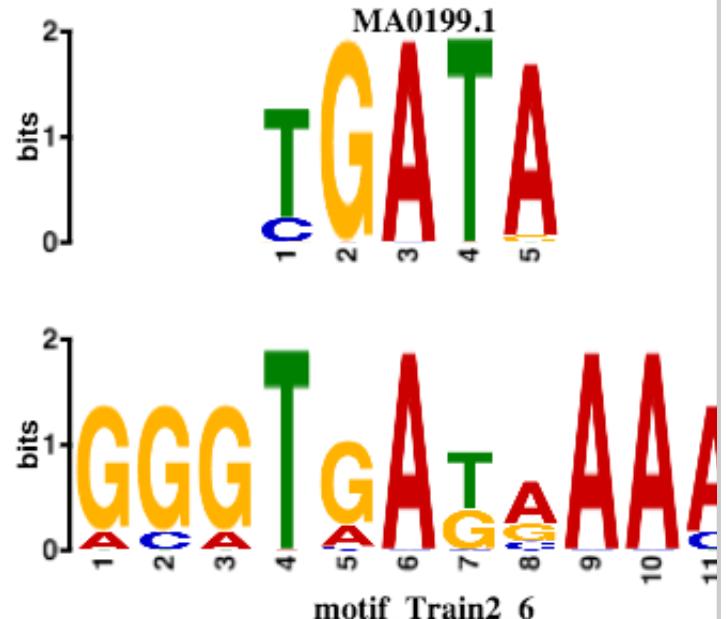
Name	MA0326.1 (MAC1)
Database	JASPAR CORE 2014
p-value	8.11e-03
E-value	7.94e+00
q-value	8.88e-01
Overlap	8
Offset	-3
Orientation	Reverse Complement

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Alignment**Summary**

Name	MA0199.1 (Optix)
Database	JASPAR CORE 2014
p-value	8.50e-03
E-value	8.32e+00
q-value	8.88e-01
Overlap	5
Offset	-3
Orientation	Normal

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Alignment**Summary**

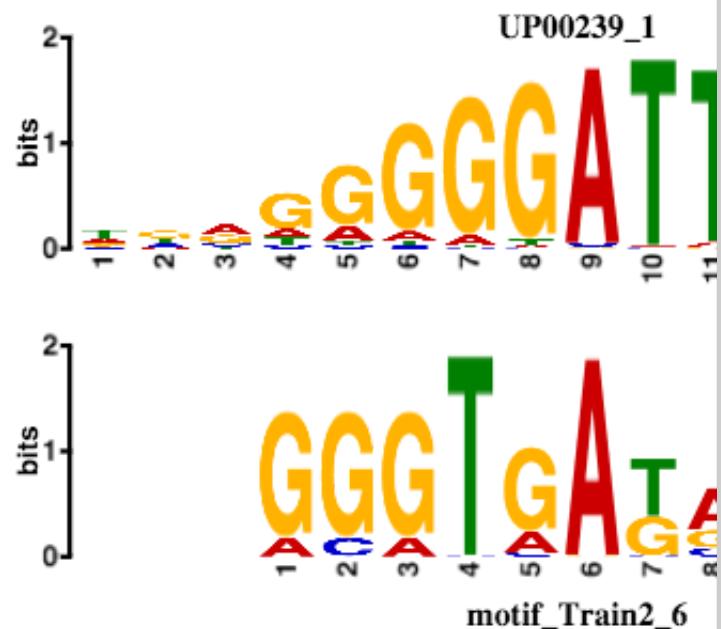
Name	UP00239_1 (Obox2_3438.2)
Database	uniprobe mouse

Alignment

p-value 8.62e-03
E-value 8.44e+00
q-value 8.88e-01

Overlap 12
Offset 3
Orientation Normal

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Summary

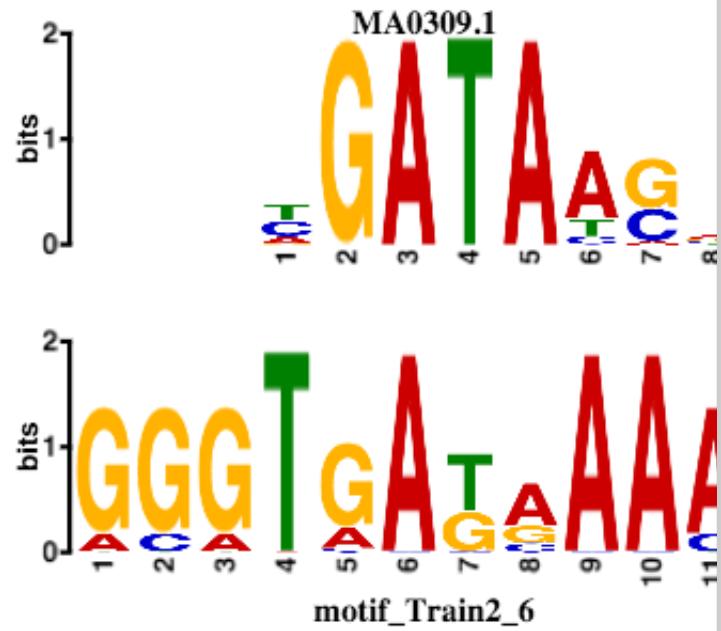
Name MA0309.1 (GZF3)
Database JASPAR CORE 2014

p-value 1.00e-02
E-value 9.83e+00
q-value 9.81e-01

Overlap 8
Offset -3
Orientation Normal

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Alignment



MATCHES TO MOTIF_TRAIN5_8 (9-GGGTGAGAAAAAA)

[Previous](#) [Next](#) [Top](#)

Summary

Name MA0326.1 (MAC1)
Database JASPAR CORE 2014

Alignment

p-value	7.54e-04
E-value	7.38e-01
q-value	8.22e-01
Overlap	8
Offset	-3
Orientation	Reverse Complement

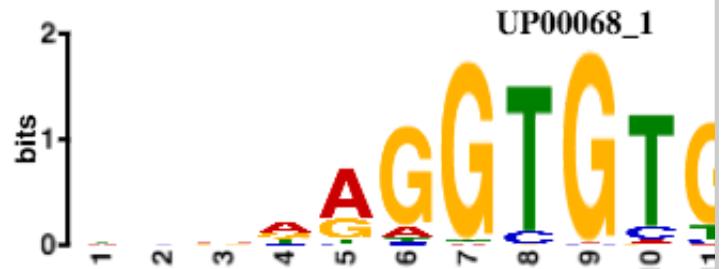
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Summary

Name	UP00068_1 (Eomes primary)
Database	uniprobe mouse
p-value	8.39e-04
E-value	8.22e-01
q-value	8.22e-01
Overlap	12
Offset	4
Orientation	Normal

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Alignment

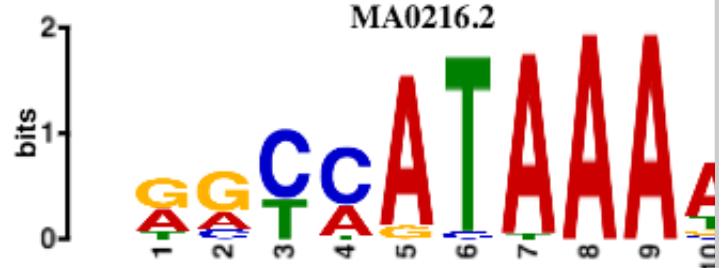


Summary

Name	MA0216.2 (CAD)
Database	JASPAR CORE 2014
p-value	1.88e-03
E-value	1.84e+00
q-value	9.43e-01
Overlap	11
Offset	-1
Orientation	Normal

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Alignment

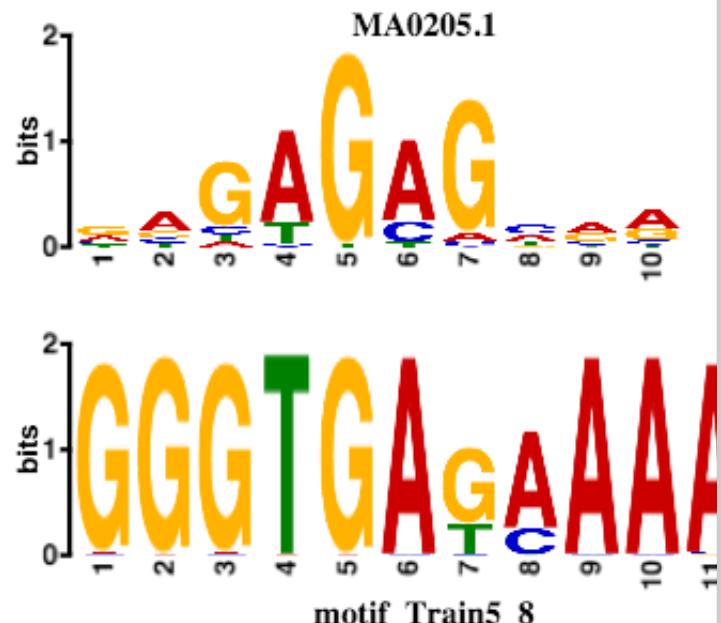




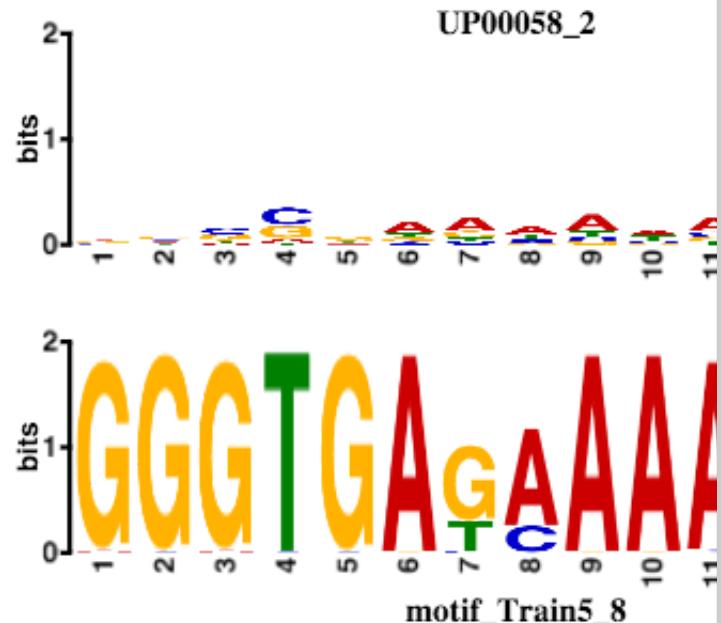
motif_Train5_8

Summary

Name	MA0205.1 (TrI)
Database	JASPAR CORE 2014
p-value	2.24e-03
E-value	2.20e+00
q-value	9.43e-01
Overlap	10
Offset	0
Orientation	Reverse Complement
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Alignment**Summary**

Name	UP00058_2 (Tcf3 secondary)
Database	uniprobe mouse
p-value	2.76e-03
E-value	2.70e+00
q-value	9.43e-01
Overlap	12
Offset	0
Orientation	Normal
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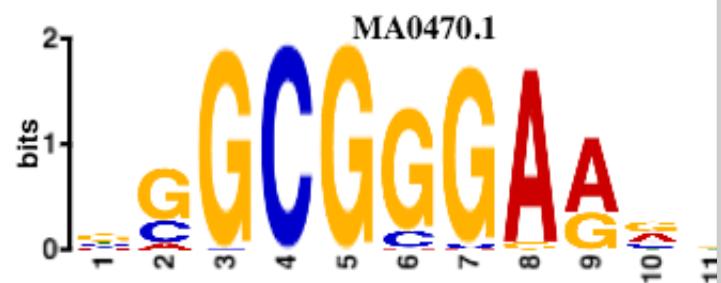
Alignment**Summary**

Name	MA0470.1 (E2F4)
Database	JASPAR CORE 2014
p-value	3.00e-03
E-value	2.94e+00
q-value	9.43e-01
Overlap	11
Offset	0

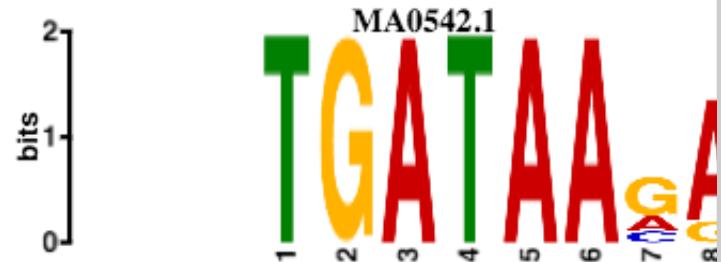
Alignment

Orientation

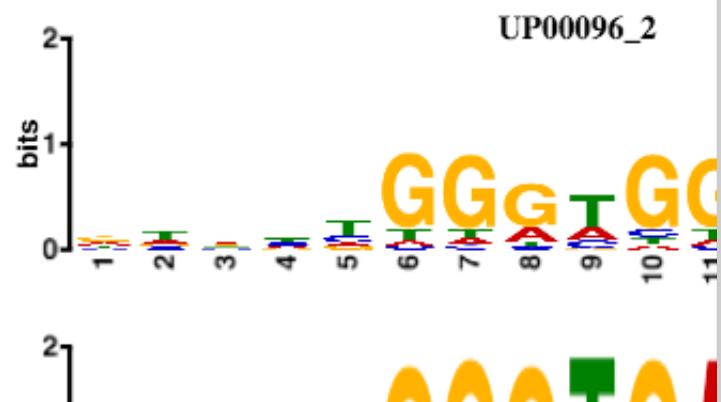
Normal

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

Name	MA0542.1 (FLT-3)
Database	JASPAR CORE 2014
p-value	3.85e-03
E-value	3.77e+00
q-value	9.43e-01
Overlap	8
Offset	-3
Orientation	Reverse Complement

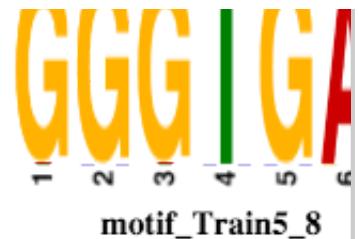
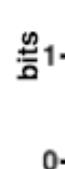
[Show logo download options](#)**Alignment****Summary**

Name	UP00096_2 (Sox13 secondary)
Database	uniprobe mouse
p-value	4.47e-03
E-value	4.37e+00
q-value	9.43e-01
Overlap	12

Alignment

Offset 5
Orientation Normal
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TOMTOM

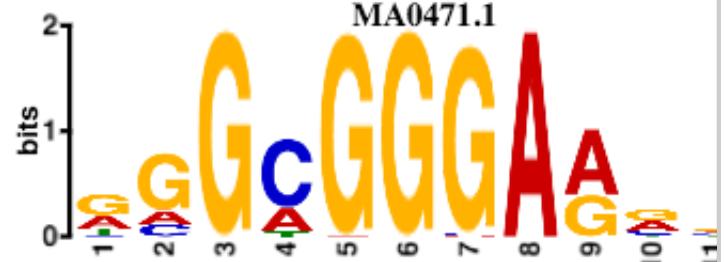
**Summary****Alignment**

Name MA0471.1 (E2F6)
Database JASPAR CORE 2014

p-value 4.74e-03
E-value 4.64e+00
q-value 9.43e-01

Overlap 11
Offset 0
Orientation Normal

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**Summary****Alignment**

Name UP00135_1
(Hoxc12_3480.1)
Database uniprobe mouse

p-value 4.87e-03
E-value 4.77e+00
q-value 9.43e-01

Overlap 12
Offset 2
Orientation Normal

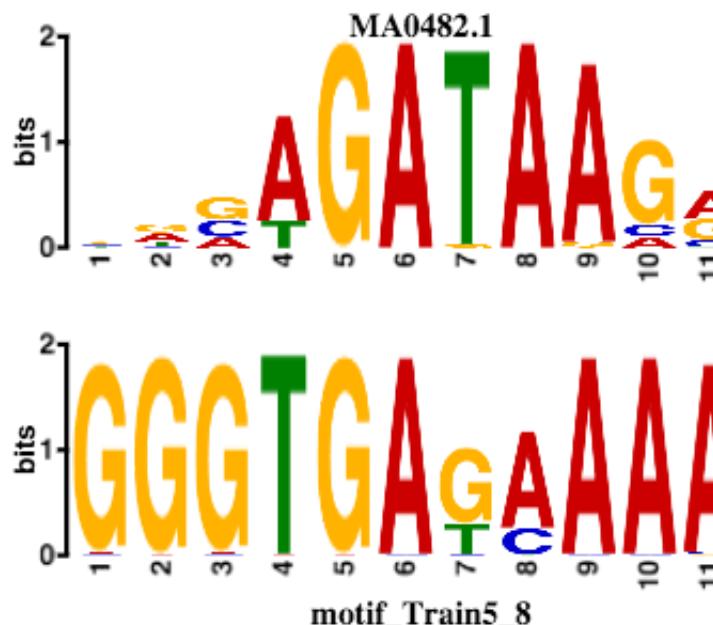
[Show logo download options](#)



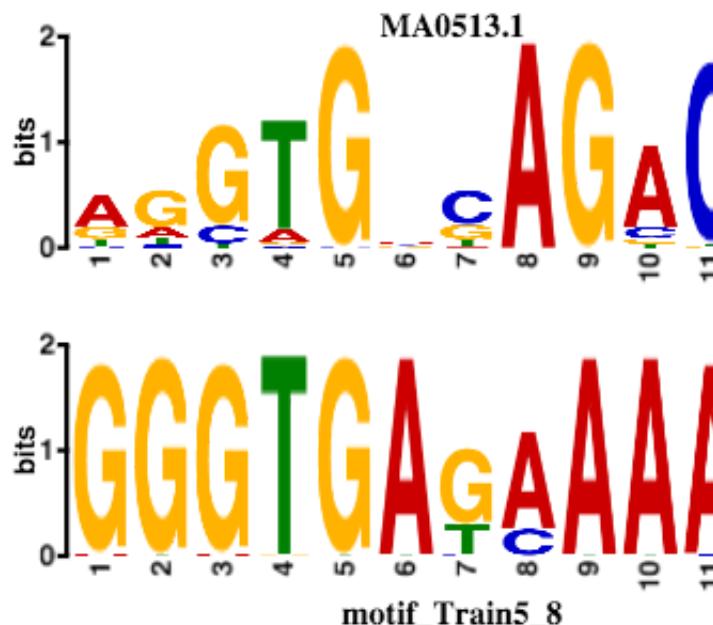
0

**Summary**

Name	MA0482.1 (Gata4)
Database	JASPAR CORE 2014
p-value	5.65e-03
E-value	5.54e+00
q-value	9.43e-01
Overlap	11
Offset	0
Orientation	Reverse Complement

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Name	MA0513.1 (SMAD2::SMAD3::SMAD4)
Database	JASPAR CORE 2014
p-value	5.78e-03
E-value	5.66e+00
q-value	9.43e-01
Overlap	12
Offset	0
Orientation	Reverse Complement

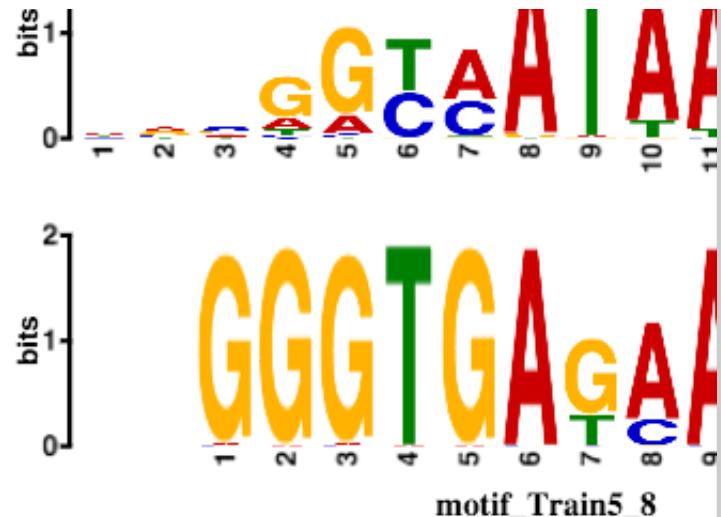
[Show logo download options](#)**Alignment****Summary**

Name	UP00133_1 (Cdx2_4272.1)
-------------	---

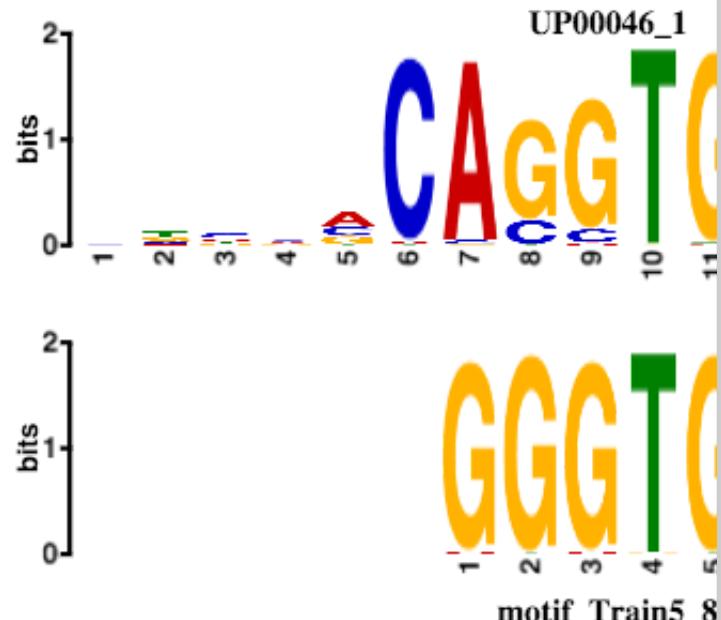
Alignment

Database	uniprobe mouse
p-value	7.18e-03
E-value	7.03e+00
q-value	1.00e+00
Overlap	12
Offset	2
Orientation	Normal
Show logo download options	

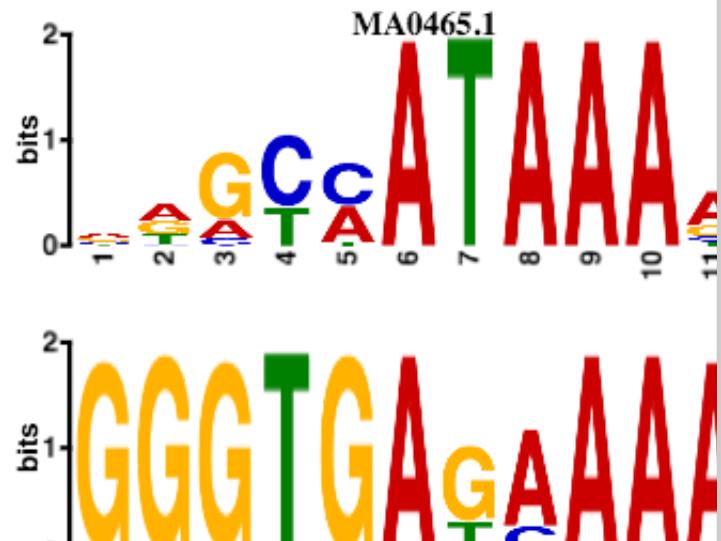
TOMTOM

**Summary**

Name	UP00046_1 (Tcfe2a_primary)
Database	uniprobe mouse
p-value	7.43e-03
E-value	7.27e+00
q-value	1.00e+00
Overlap	11
Offset	6
Orientation	Normal
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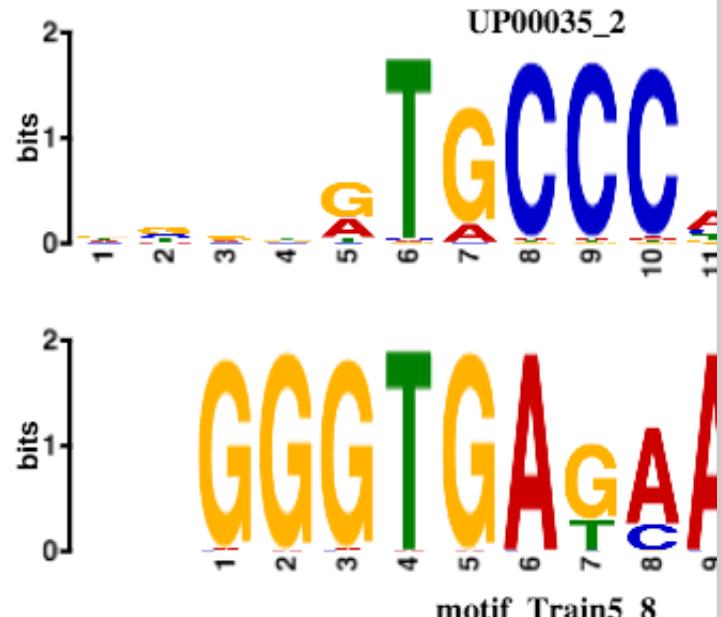
Alignment**Summary**

Name	MA0465.1 (CDX2)
Database	JASPAR CORE 2014
p-value	8.28e-03
E-value	8.11e+00
q-value	1.00e+00
Overlap	11
Offset	0
Orientation	Normal
Show logo download options	

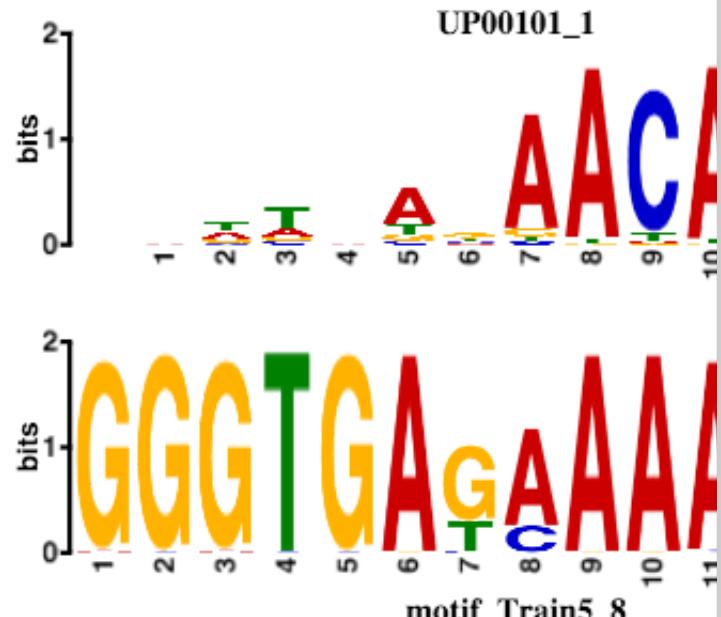
Alignment

**Summary**

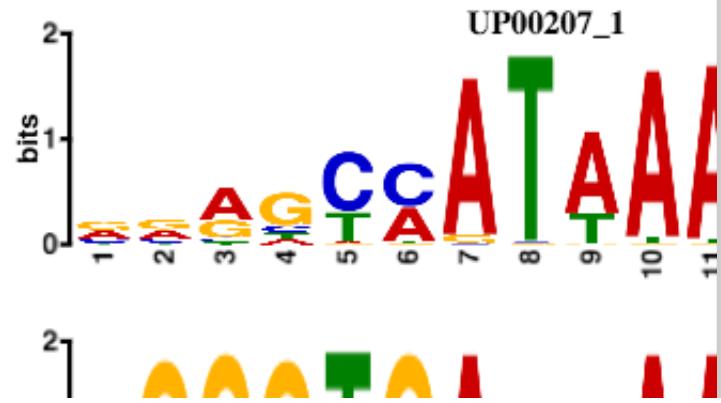
Name	UP00035_2 (Hic1_secondary)
Database	uniprobe mouse
p-value	8.44e-03
E-value	8.26e+00
q-value	1.00e+00
Overlap	12
Offset	2
Orientation	Normal

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

Name	UP00101_1 (Sox12_primary)
Database	uniprobe mouse
p-value	9.81e-03
E-value	9.61e+00
q-value	1.00e+00
Overlap	11
Offset	-1
Orientation	Reverse Complement

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

Name	UP00207_1 (Hoxb9_3413.1)
Database	uniprobe mouse
p-value	9.91e-03
E-value	9.70e+00
q-value	1.00e+00
Overlap	12

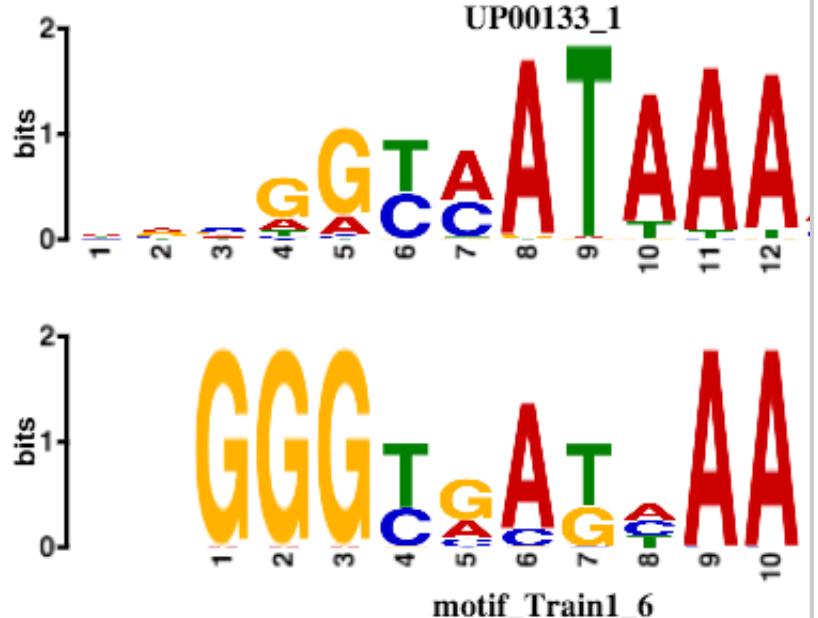
Alignment

Offset 1
Orientation Normal
[Show logo download options](#)

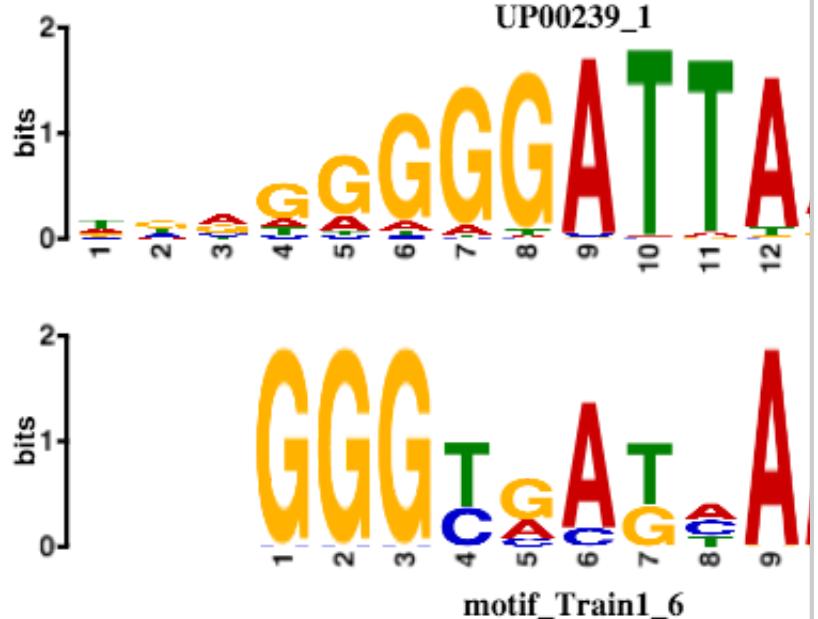
TOMTOM

bits
0 1**MATCHES TO MOTIF_TRAIN1_6 (8-GGGTGATHAA)**[Previous](#) [Next](#) [Top](#)**Summary**

Name [UP00133_1](#)
(Cdx2_4272.1)
Database uniprobe mouse
p-value 4.95e-04
E-value 4.85e-01
q-value 3.91e-01
Overlap 10
Offset 2
Orientation Normal
[Show logo download options](#)

Alignment**Summary**

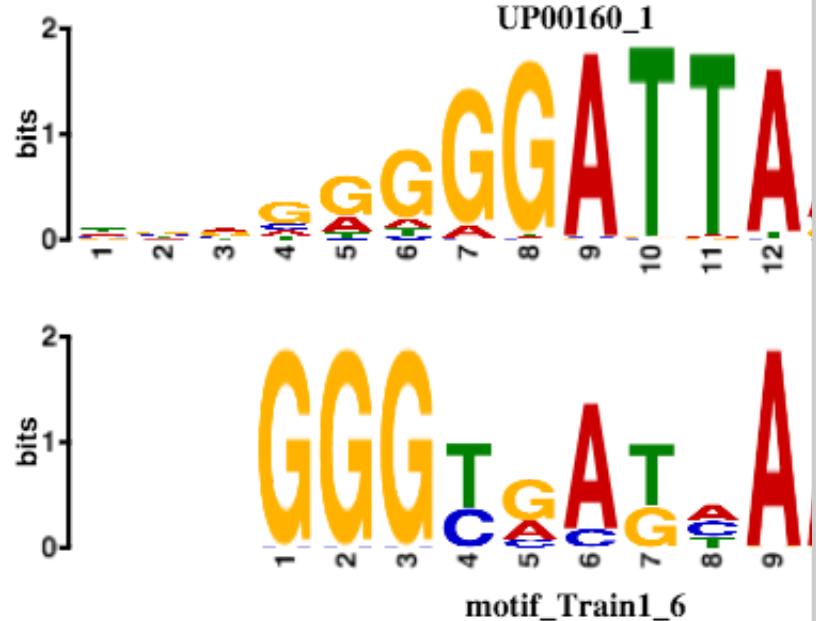
Name [UP00239_1](#)
(Obox2_3438.2)
Database uniprobe mouse
p-value 1.03e-03
E-value 1.01e+00
q-value 3.91e-01
Overlap 10
Offset 3
Orientation Normal
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Alignment**Summary**

Name [UP00160_1](#)
(Obox3_3439.1)

Alignment

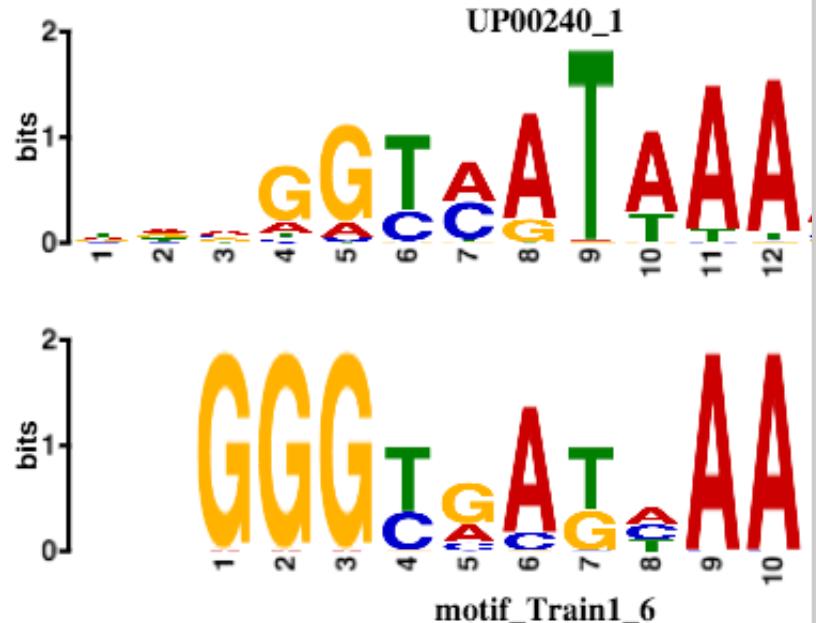
Database	uniprobe mouse
p-value	1.12e-03
E-value	1.10e+00
q-value	3.91e-01
Overlap	10
Offset	3
Orientation	Normal
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Summary

Name	UP00240_1 (Cdx1 2245.1)
Database	uniprobe mouse
p-value	1.26e-03
E-value	1.23e+00
q-value	3.91e-01
Overlap	10
Offset	2
Orientation	Normal
Show logo download options	

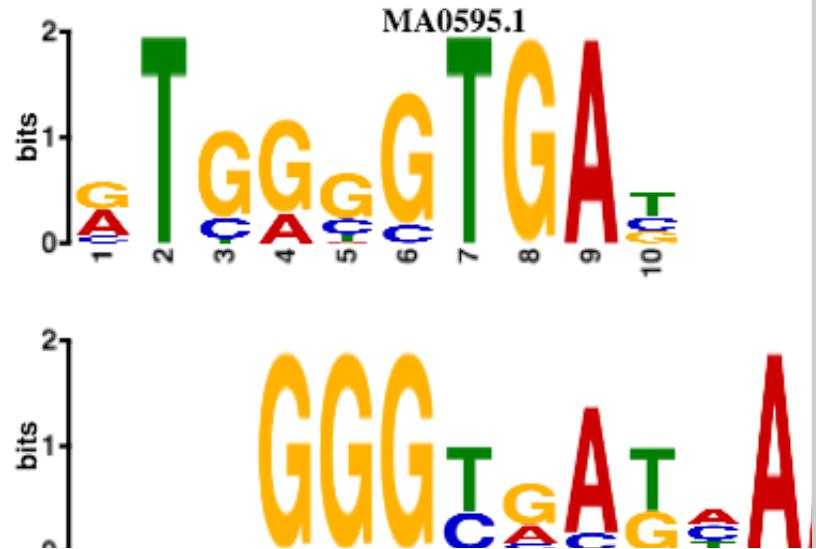
Alignment



Summary

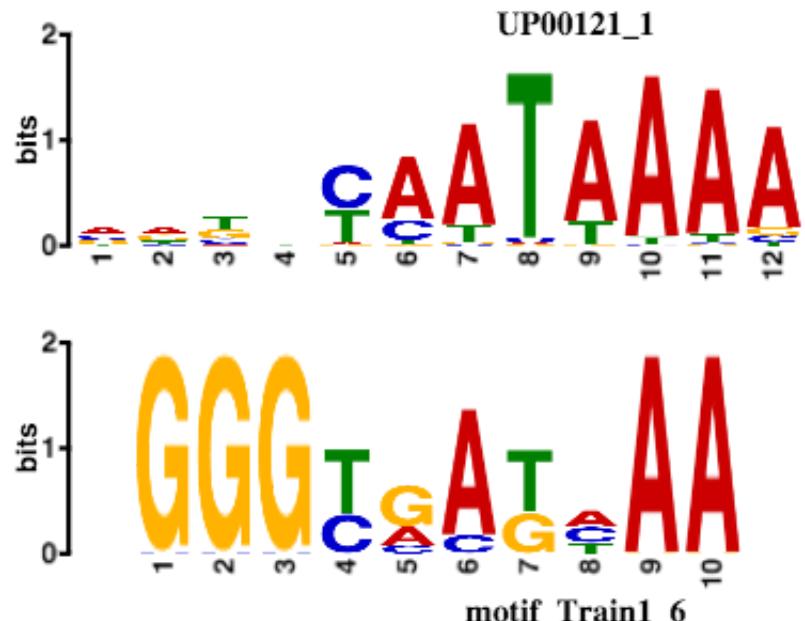
Name	MA0595.1 (SREBF1)
Database	JASPAR CORE 2014
p-value	1.85e-03
E-value	1.81e+00
q-value	3.91e-01
Overlap	7
Offset	3
Orientation	Reverse Complement

Alignment

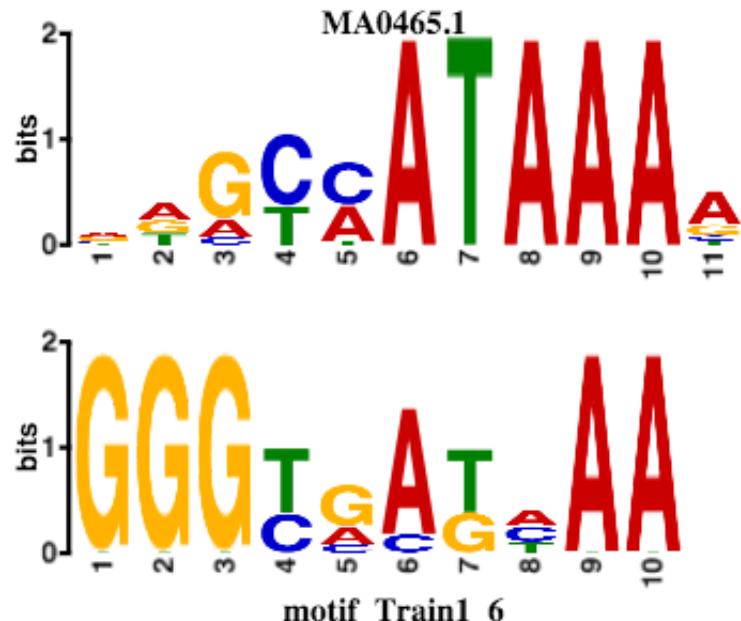


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Name	UP00121_1 (Hoxd10_2368.2)
Database	uniprobe mouse
p-value	1.96e-03
E-value	1.92e+00
q-value	3.91e-01
Overlap	10
Offset	1
Orientation	Normal

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

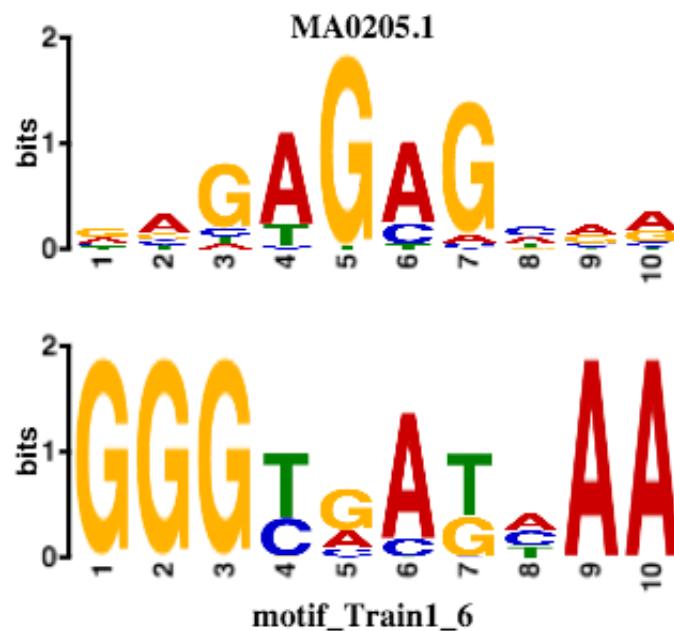
Name	MA0465.1 (CDX2)
Database	JASPAR CORE 2014
p-value	2.13e-03
E-value	2.08e+00
q-value	3.91e-01
Overlap	10
Offset	0
Orientation	Normal

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Name	MA0205.1 (Trl)
Database	JASPAR CORE 2014
p-value	2.14e-03
E-value	2.10e+00
q-value	3.91e-01

Alignment

Overlap	10
Offset	0
Orientation	Reverse Complement
Show logo download options	

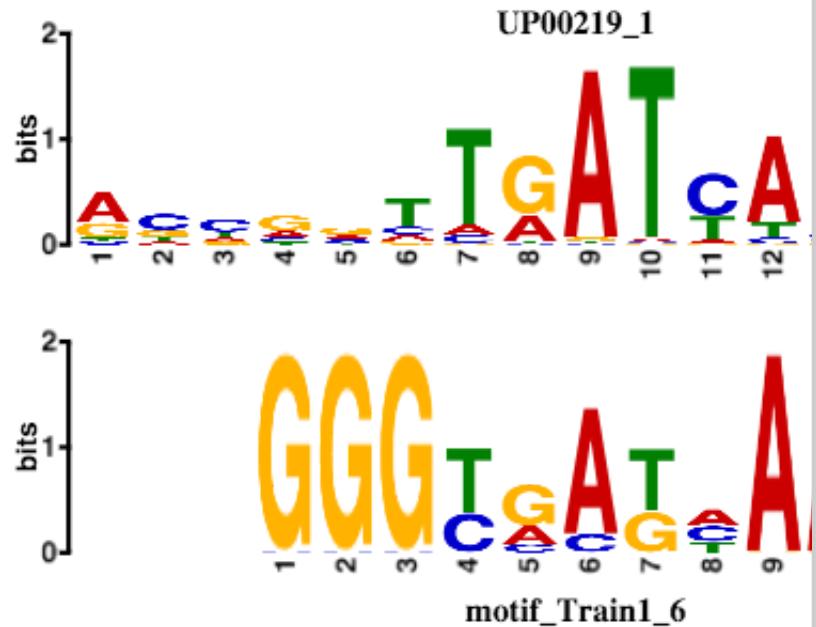


Summary

Name	UP00219_1 (Cutl1_3494.1)
Database	uniprobe mouse
p-value	2.29e-03
E-value	2.24e+00
q-value	3.91e-01
Overlap	10
Offset	3
Orientation	Normal

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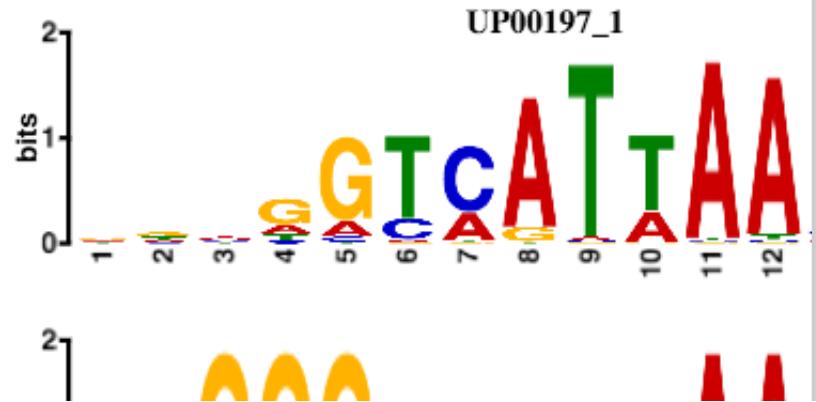
Alignment



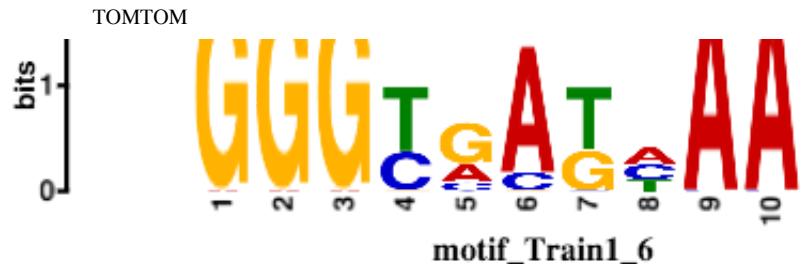
Summary

Name	UP00197_1 (Hoxc9_2367.2)
Database	uniprobe mouse
p-value	3.38e-03
E-value	3.31e+00
q-value	3.91e-01
Overlap	10

Alignment



Offset 2
Orientation Normal
[Show logo download options](#)

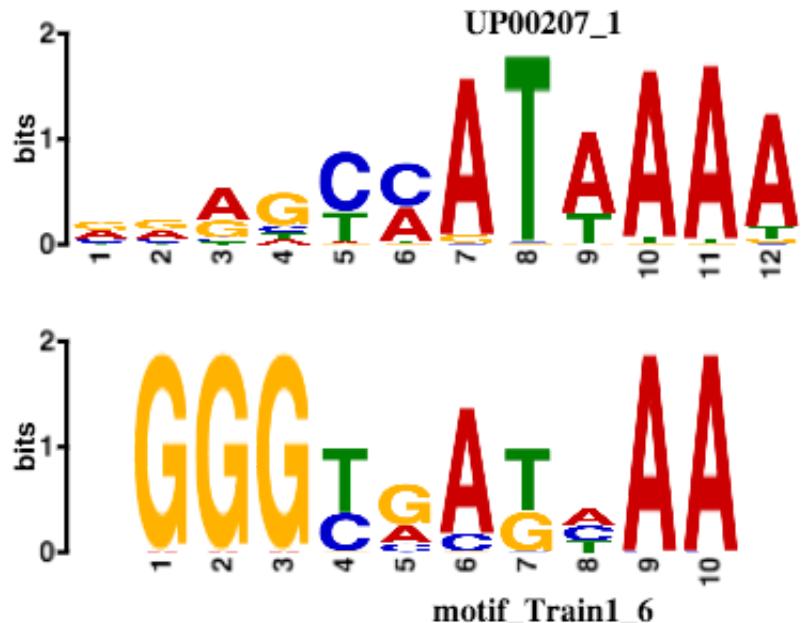


Summary

Name [UP00207_1](#)
(Hoxb9_3413.1)
Database uniprobe mouse
p-value 3.38e-03
E-value 3.31e+00
q-value 3.91e-01

Alignment

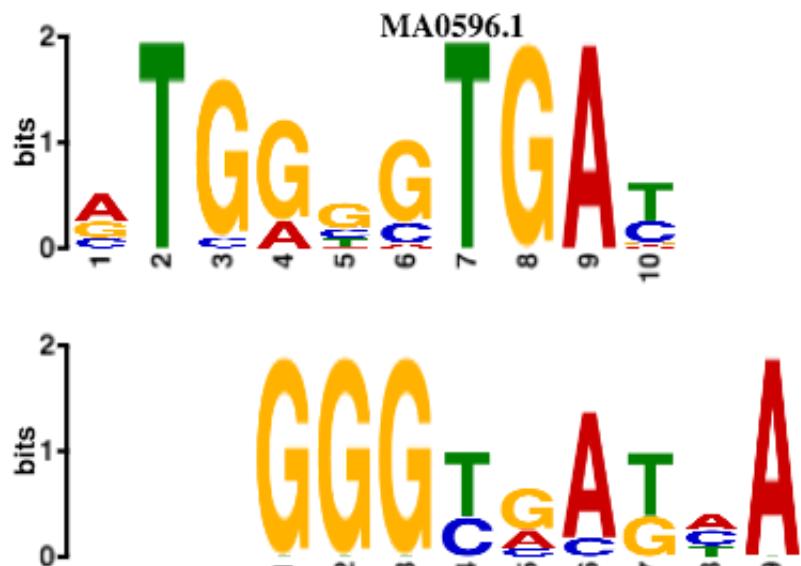
Overlap 10
Offset 1
Orientation Normal
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Summary

Name [MA0596.1](#)
(SREBF2)
Database JASPAR CORE
2014
p-value 3.55e-03
E-value 3.47e+00
q-value 3.91e-01
Overlap 7
Offset 3
Orientation Normal
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Alignment

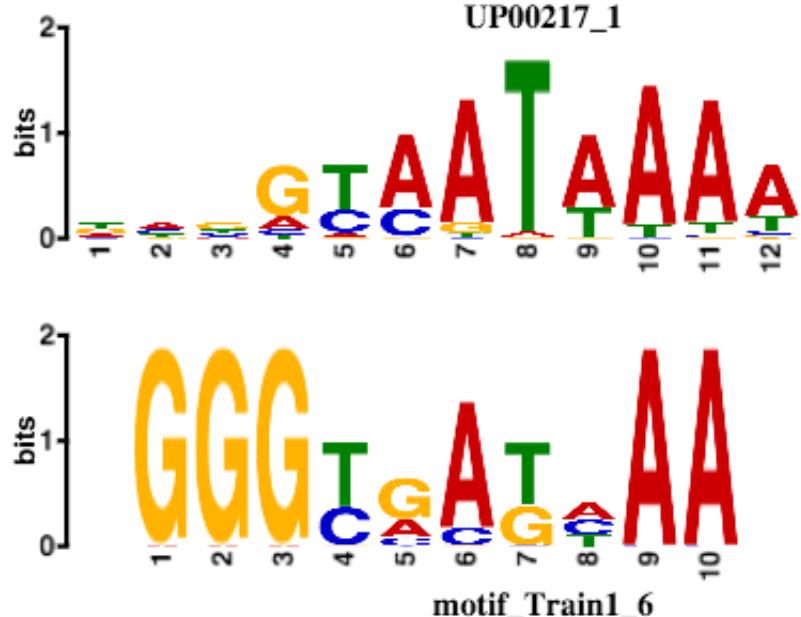


motif_Train1_6

Summary

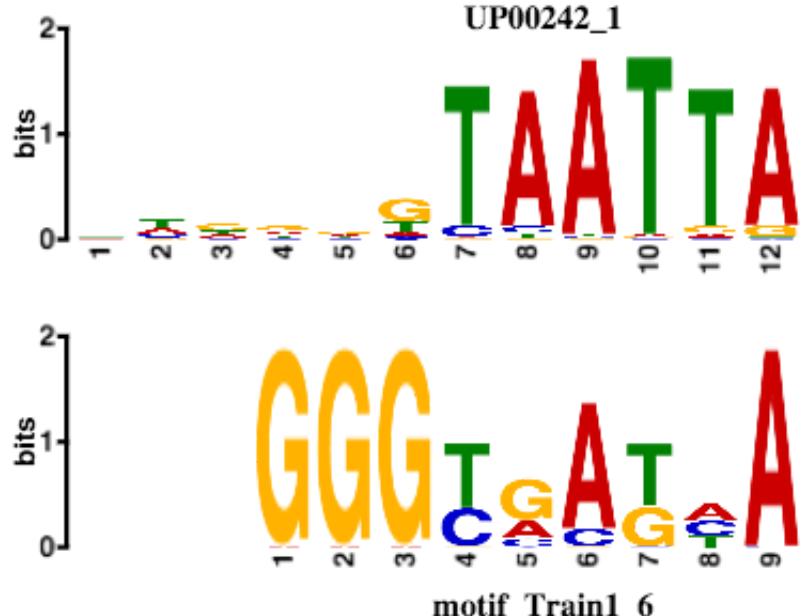
Name	UP00217_1 (Hoxa10_2318.1)
Database	uniprobe mouse
p-value	3.63e-03
E-value	3.56e+00
q-value	3.91e-01
Overlap	10
Offset	1
Orientation	Normal

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Alignment**Summary**

Name	UP00242_1 (Hoxc8_3429.2)
Database	uniprobe mouse
p-value	3.63e-03
E-value	3.56e+00
q-value	3.91e-01
Overlap	10
Offset	3
Orientation	Normal

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Alignment**Summary**

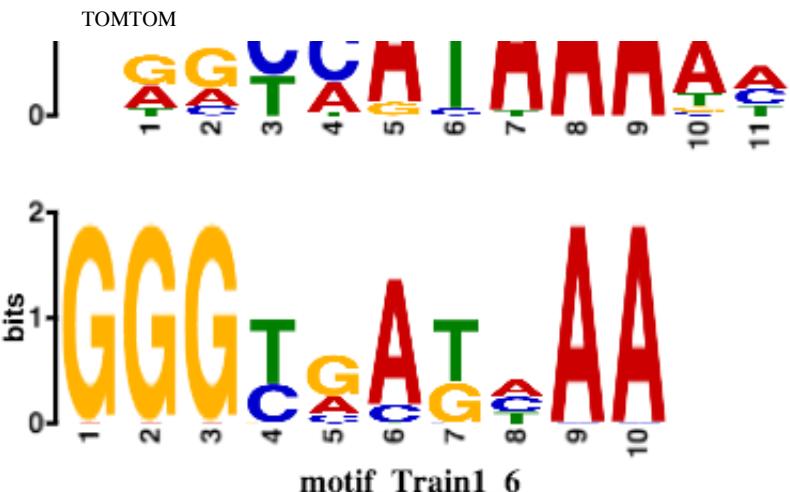
Name	MA0216.2 (CAD)
Database	JASPAR CORE 2014

Alignment

p-value 3.78e-03
E-value 3.70e+00
q-value 3.91e-01

Overlap 9
Offset -1
Orientation Normal

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Summary

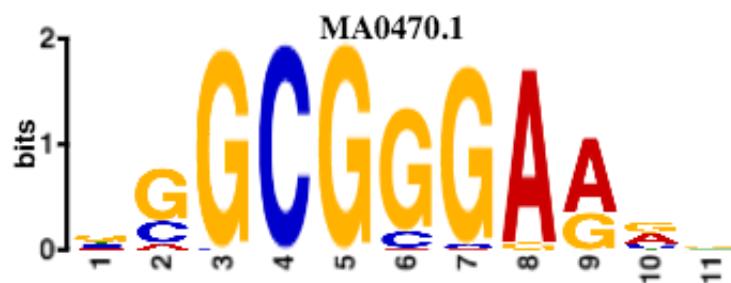
Name MA0470.1 (E2F4)
Database JASPAR CORE
2014

p-value 4.35e-03
E-value 4.25e+00
q-value 3.91e-01

Overlap 10
Offset 0
Orientation Normal

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Alignment



Summary

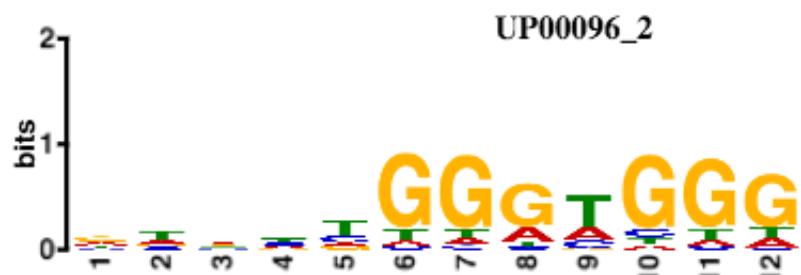
Name UP00096_2
Database (Sox13_secondary)
uniprobe mouse

p-value 4.43e-03
E-value 4.34e+00
q-value 3.91e-01

Overlap 10
Offset 5
Orientation Normal

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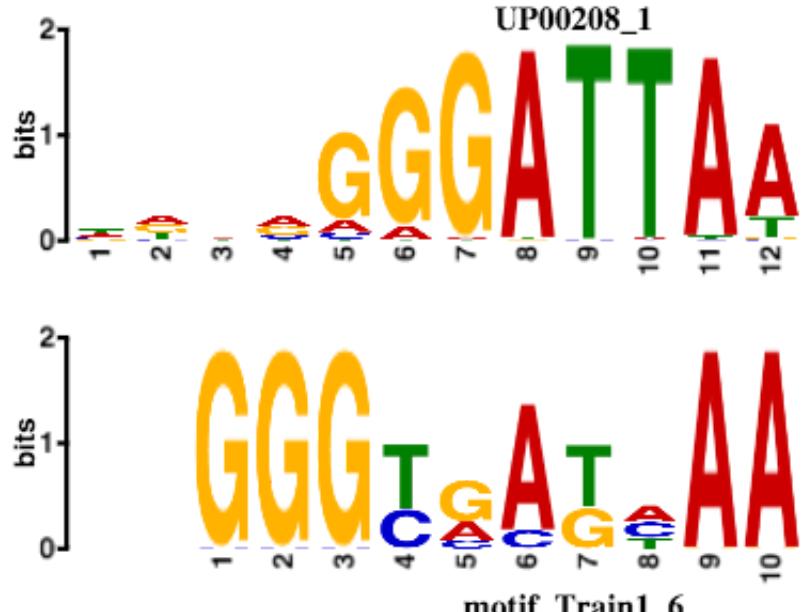
Alignment



Summary

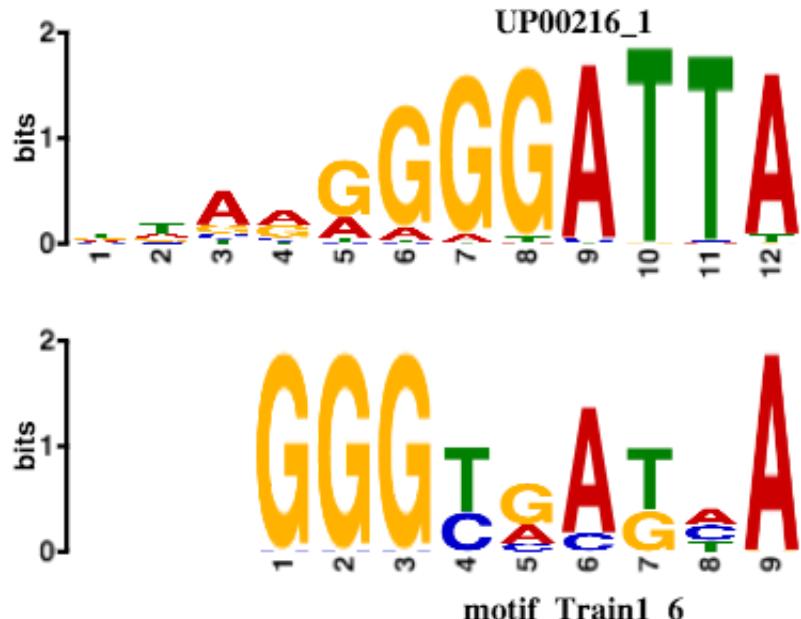
Name	UP00208_1 (Obox5_2284.1)
Database	uniprobe mouse
p-value	4.43e-03
E-value	4.34e+00
q-value	3.91e-01
Overlap	10
Offset	2
Orientation	Normal

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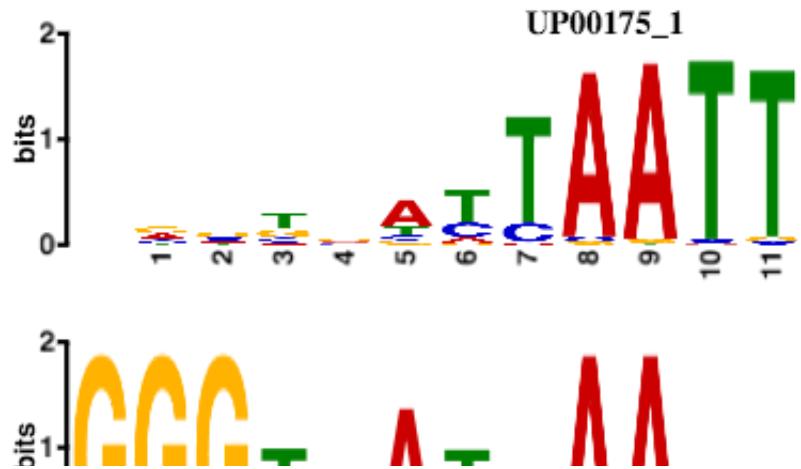
Alignment**Summary**

Name	UP00216_1 (Obox1_3970.2)
Database	uniprobe mouse
p-value	4.43e-03
E-value	4.34e+00
q-value	3.91e-01
Overlap	10
Offset	3
Orientation	Normal

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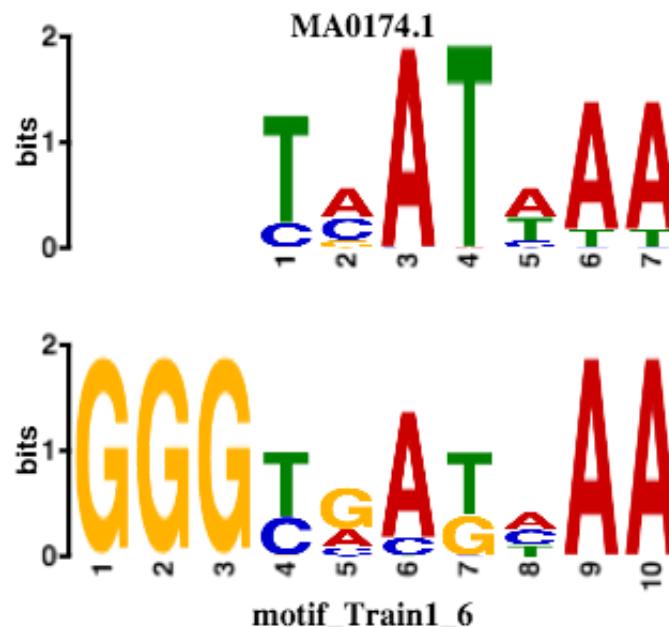
Alignment**Summary**

Name	UP00175_1 (Lhx9_3492.1)
Database	uniprobe mouse
p-value	4.43e-03
E-value	4.34e+00
q-value	3.91e-01
Overlap	9
Offset	-1
	Reverse

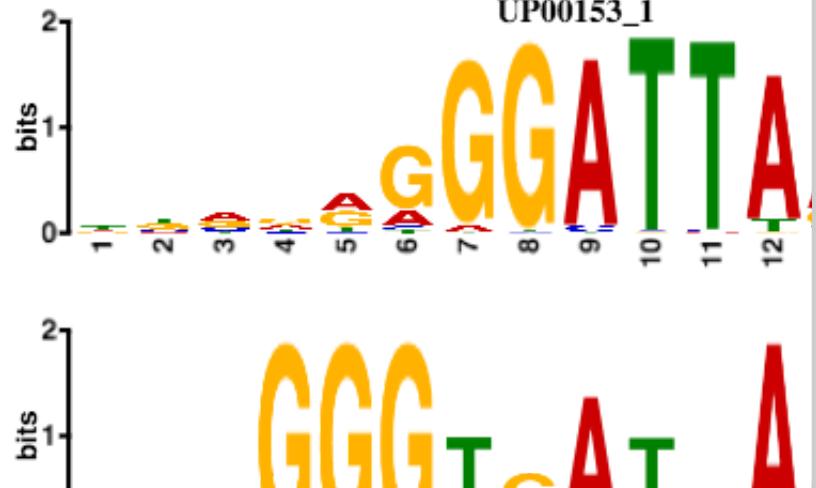
Alignment

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

Name	MA0174.1 (CG42234)
Database	JASPAR CORE 2014
p-value	4.45e-03
E-value	4.36e+00
q-value	3.91e-01
Overlap	7
Offset	-3
Orientation	Reverse Complement

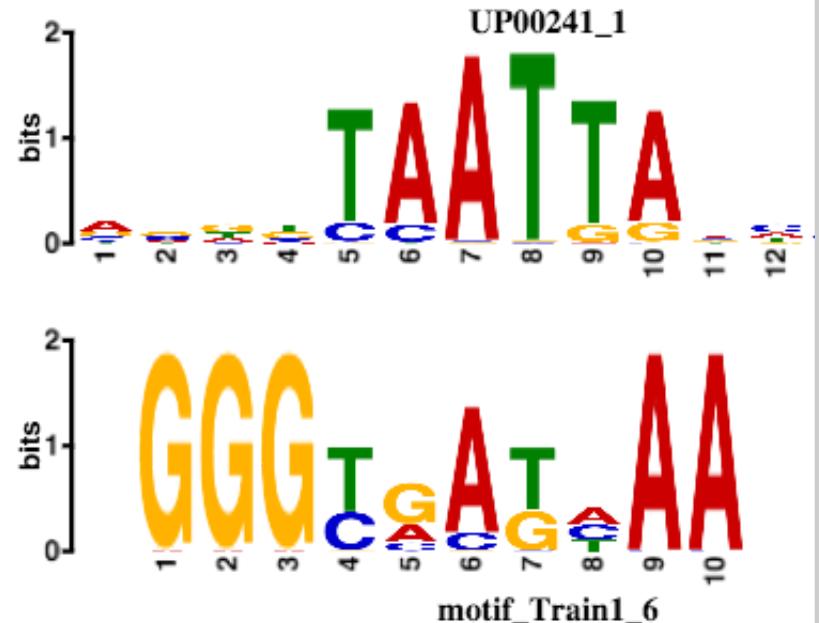
[Show logo download options](#)**Alignment****Summary**

Name	UP00153_1 (Pitx1_2312.1)
Database	uniprobe mouse
p-value	4.76e-03
E-value	4.66e+00
q-value	4.01e-01
Overlap	10
Offset	3
Orientation	Normal

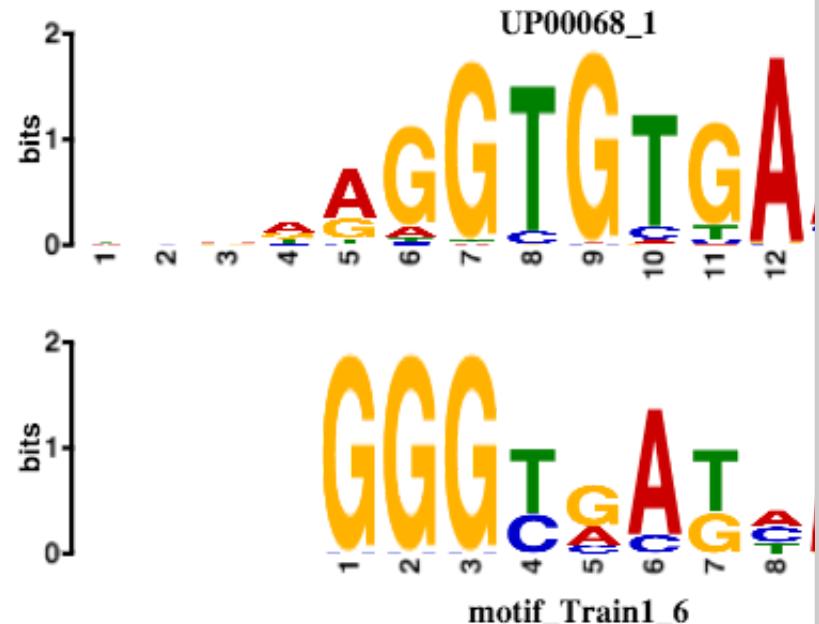
[Show logo download options](#)**Alignment**

**Summary**

Name	UP00241_1 (Hoxd3_1742.2)
Database	uniprobe mouse
p-value	5.20e-03
E-value	5.09e+00
q-value	4.19e-01
Overlap	10
Offset	1
Orientation	Reverse Complement
	Show logo download options

Alignment**Summary**

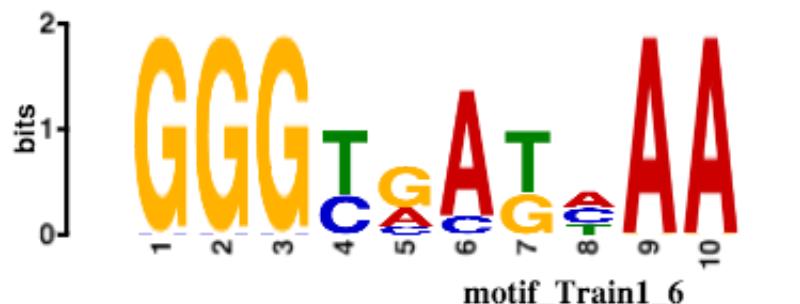
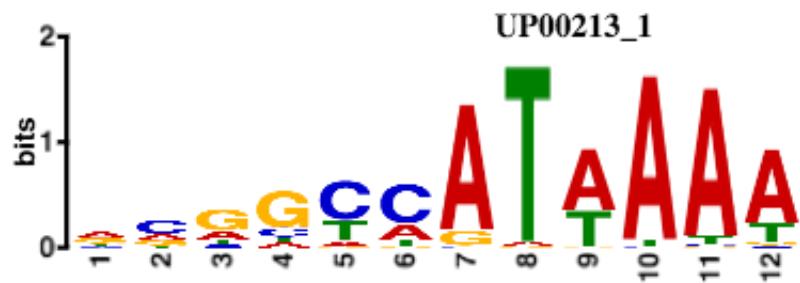
Name	UP00068_1 (Eomes_primary)
Database	uniprobe mouse
p-value	5.50e-03
E-value	5.38e+00
q-value	4.25e-01
Overlap	10
Offset	4
Orientation	Normal
	Show logo download options

Alignment**Summary**

Name	UP00213_1 (Hoxa9_2622.2)
Database	uniprobe mouse
p-value	6.33e-03
E-value	6.20e+00
q-value	4.57e-01

Alignment

Overlap 10
Offset 1
Orientation Normal
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Summary

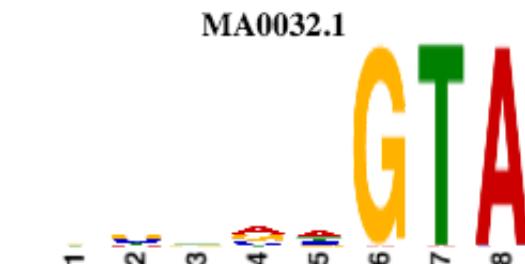
Name MA0032.1 (FOXC1)
Database JASPAR CORE 2014

p-value 6.38e-03
E-value 6.25e+00
q-value 4.57e-01

Overlap 8
Offset -1
Orientation Normal

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Alignment



Summary

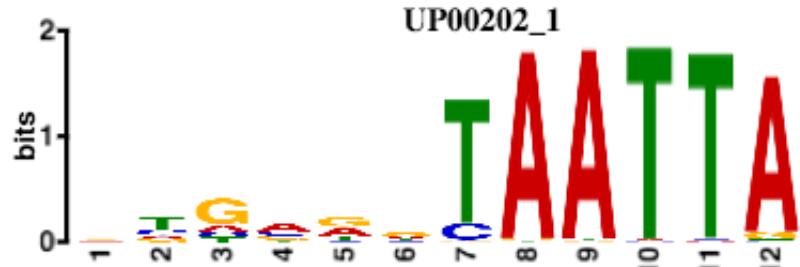
Name UP00202_1 (Dlx1_1741.2)
Database uniprobe mouse

p-value 6.68e-03
E-value 6.54e+00
q-value 4.61e-01

Overlap 10
Offset 3
Orientation Normal

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Alignment

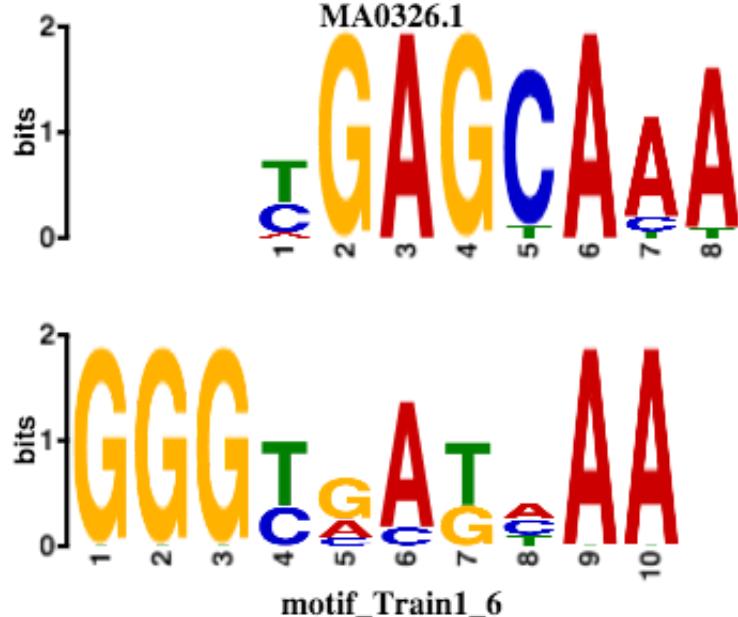




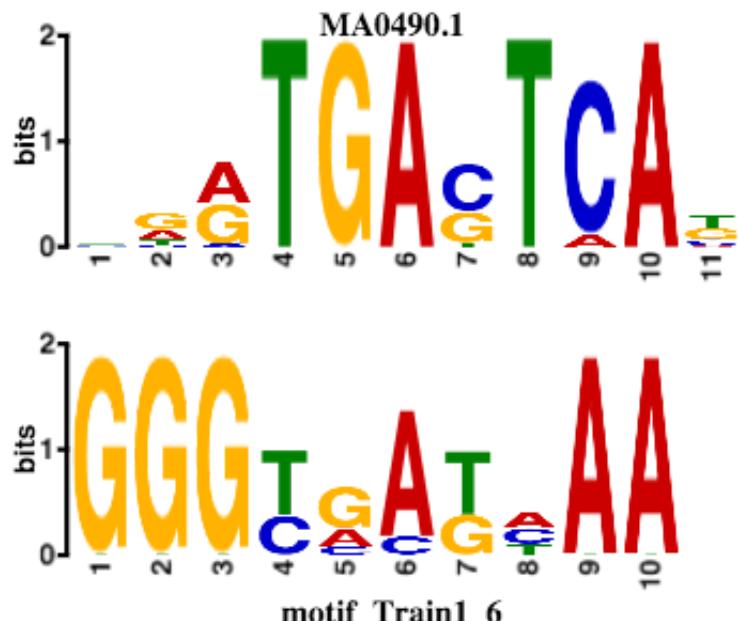
motif_Train1_6

Summary**Alignment**

Name	MA0326.1 (MAC1)
Database	JASPAR CORE 2014
p-value	6.92e-03
E-value	6.77e+00
q-value	4.61e-01
Overlap	7
Offset	-3
Orientation	Reverse Complement

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

Name	MA0490.1 (JUNB)
Database	JASPAR CORE 2014
p-value	7.91e-03
E-value	7.75e+00
q-value	5.10e-01
Overlap	10
Offset	0
Orientation	Normal

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

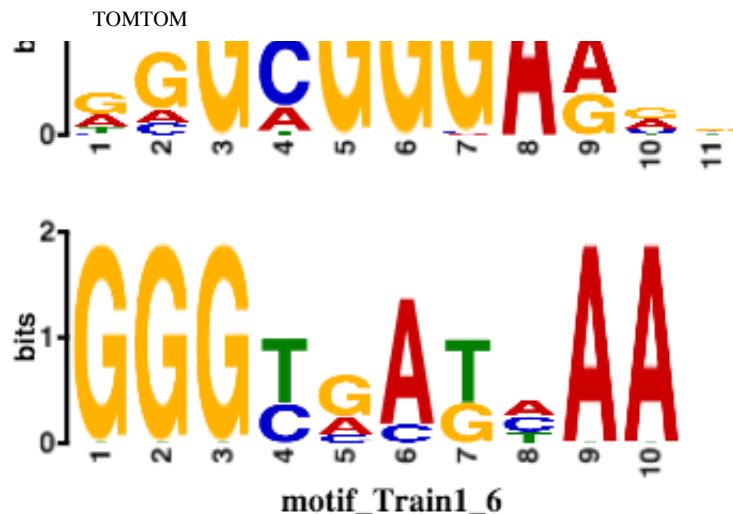
Name	MA0471.1 (E2F6)
Database	JASPAR CORE 2014



p-value 8.43e-03
E-value 8.26e+00
q-value 5.13e-01

Overlap 10
Offset 0
Orientation Normal

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Summary

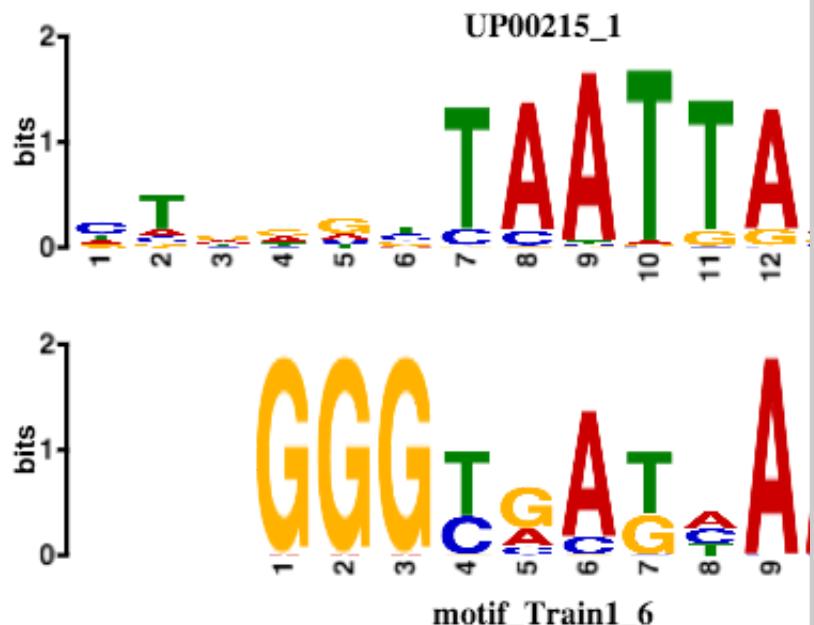
Name [UP00215_1](#)
Database [\(Vax1_3499.1\)](#)
 uniprobe mouse

p-value 8.49e-03
E-value 8.31e+00
q-value 5.13e-01

Overlap 10
Offset 3
Orientation Reverse Complement

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Alignment



Summary

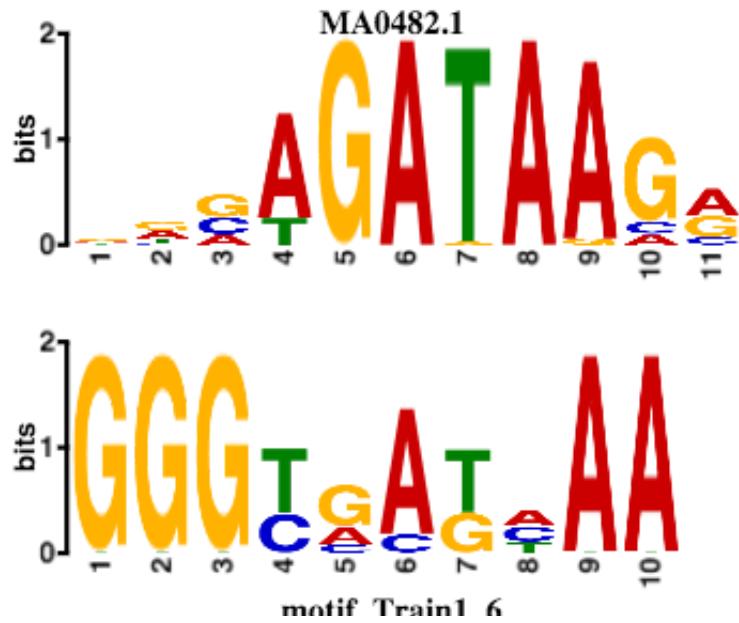
Name [MA0482.1 \(Gata4\)](#)
Database JASPAR CORE
 2014

p-value 8.99e-03
E-value 8.80e+00
q-value 5.17e-01

Overlap 10
Offset 0
Orientation Reverse Complement

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Alignment

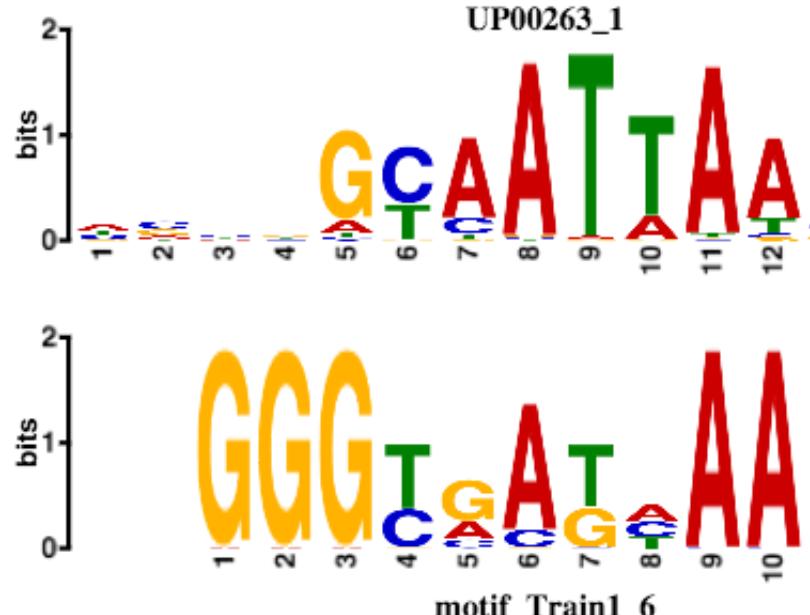


*****_****_****_****

Summary

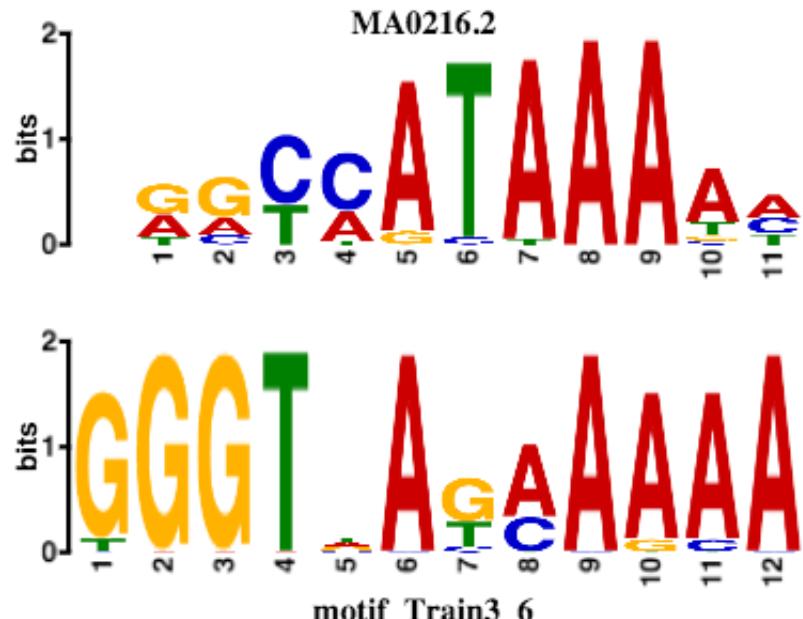
Name	UP00263_1 (Hoxb8_3780.2)
Database	uniprobe mouse
p-value	9.09e-03
E-value	8.90e+00
q-value	5.17e-01
Overlap	10
Offset	2
Orientation	Normal

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Alignment**MATCHES TO MOTIF_TRAIN3_6 (8-GGGTDAGAAAAAA)**[Previous](#) [Next](#) [Top](#)**Summary**

Name	MA0216.2 (CAD)
Database	JASPAR CORE 2014
p-value	2.48e-03
E-value	2.43e+00
q-value	1.00e+00
Overlap	11
Offset	-1
Orientation	Normal

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Alignment**Summary**

Name	MA0326.1 (MAC1)
Database	JASPAR CORE 2014
p-value	3.07e-03
E-value	3.01e+00

Alignment

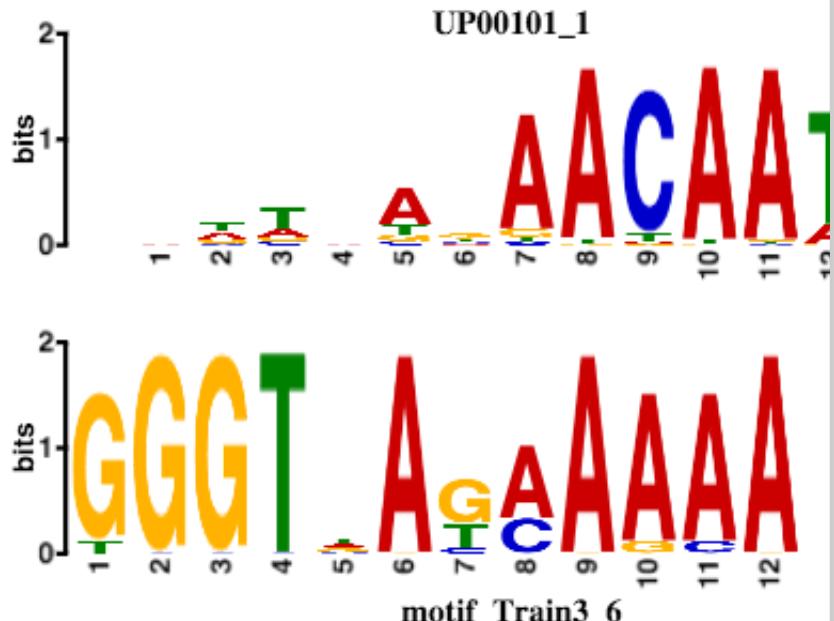
q-value	1.00e+00
Overlap	8
Offset	-3
Orientation	Reverse Complement
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Summary

Name	UP00101_1 (Sox12_primary)
Database	uniprobe mouse
p-value	3.64e-03
E-value	3.56e+00
q-value	1.00e+00
Overlap	11
Offset	-1
Orientation	Reverse Complement
Show logo download options	

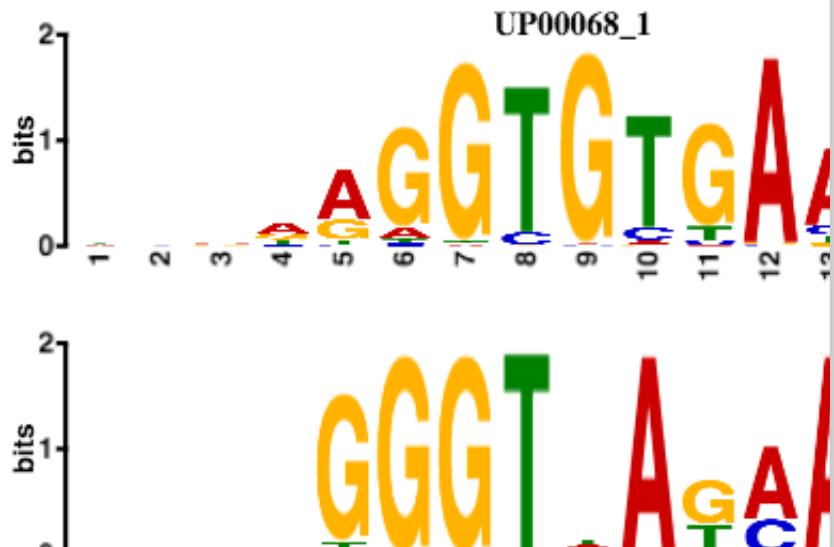
Alignment



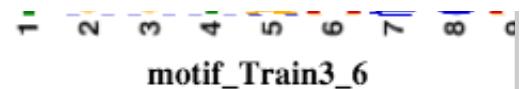
Summary

Name	UP00068_1 (Eomes_primary)
Database	uniprobe mouse
p-value	4.79e-03
E-value	4.69e+00
q-value	1.00e+00
Overlap	12
Offset	4
Orientation	Normal
Show logo download options	

Alignment



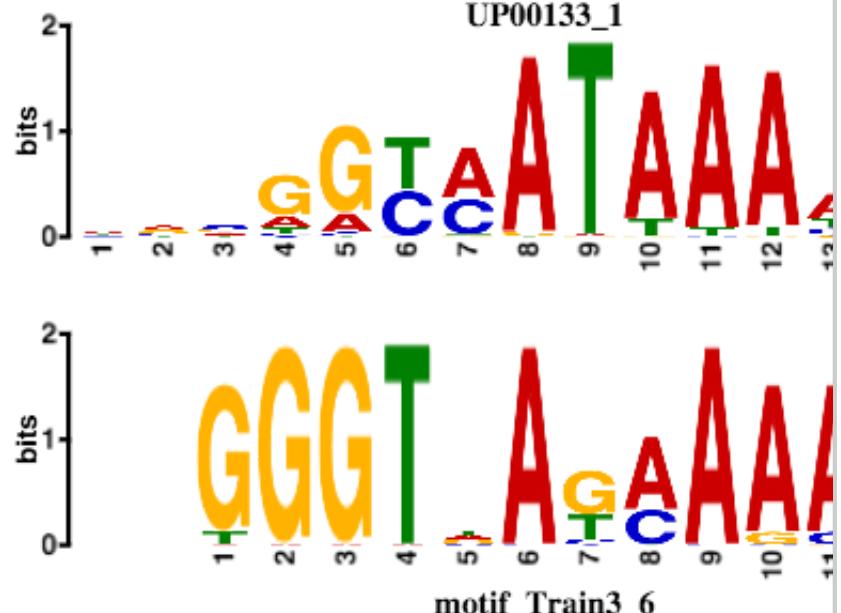
F



motif_Train3_6

Summary**Alignment**

Name	UP00133_1 (Cdx2_4272.1)
Database	uniprobe mouse
p-value	4.92e-03
E-value	4.82e+00
q-value	1.00e+00
Overlap	12
Offset	2
Orientation	Normal

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

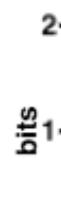
Name	UP00077_2 (Srf_secondary)
Database	uniprobe mouse
p-value	5.10e-03
E-value	4.99e+00
q-value	1.00e+00
Overlap	10
Offset	-2
Orientation	Normal

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

Name	UP00058_2 (Tcf3_secondary)
Database	uniprobe mouse

p-value

5.00e-03

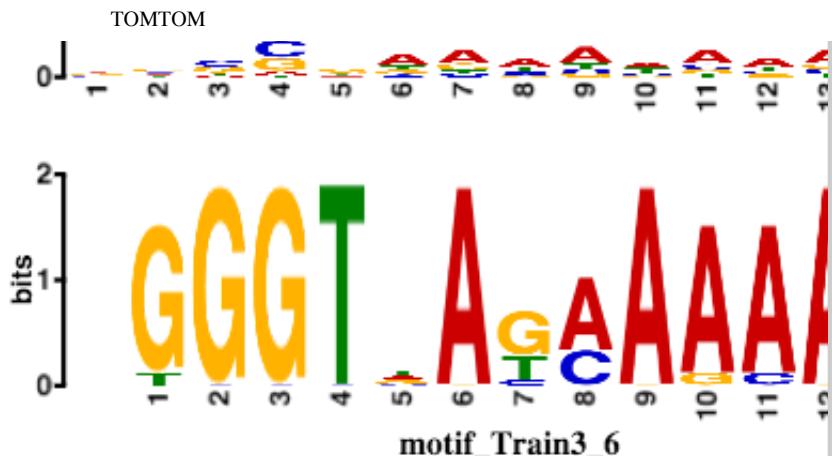


UP00058_2

p-value 5.90e-05
E-value 5.78e+00
q-value 1.00e+00

Overlap 12
Offset 1
Orientation Normal

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Summary

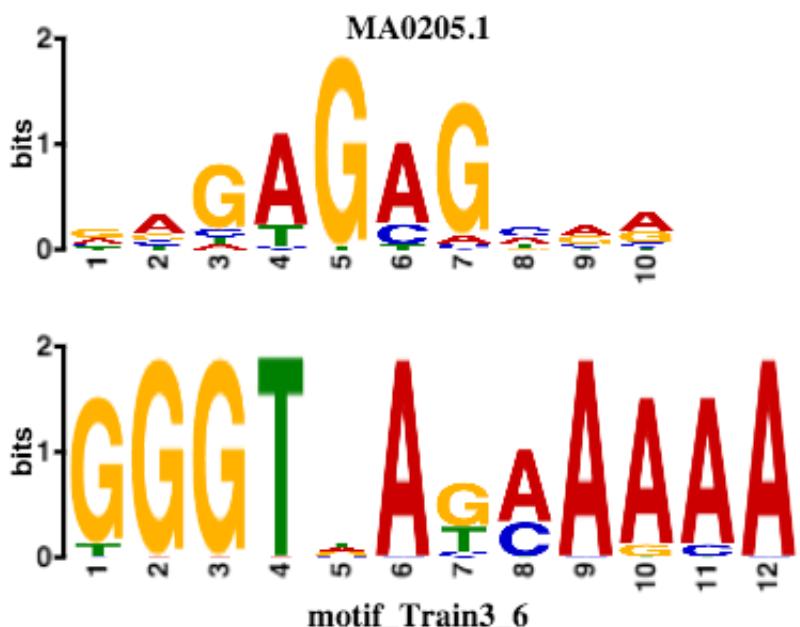
Name MA0205.1 (Trl)
Database JASPAR CORE 2014

p-value 6.97e-03
E-value 6.82e+00
q-value 1.00e+00

Overlap 10
Offset 0
Orientation Reverse Complement

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Alignment



Summary

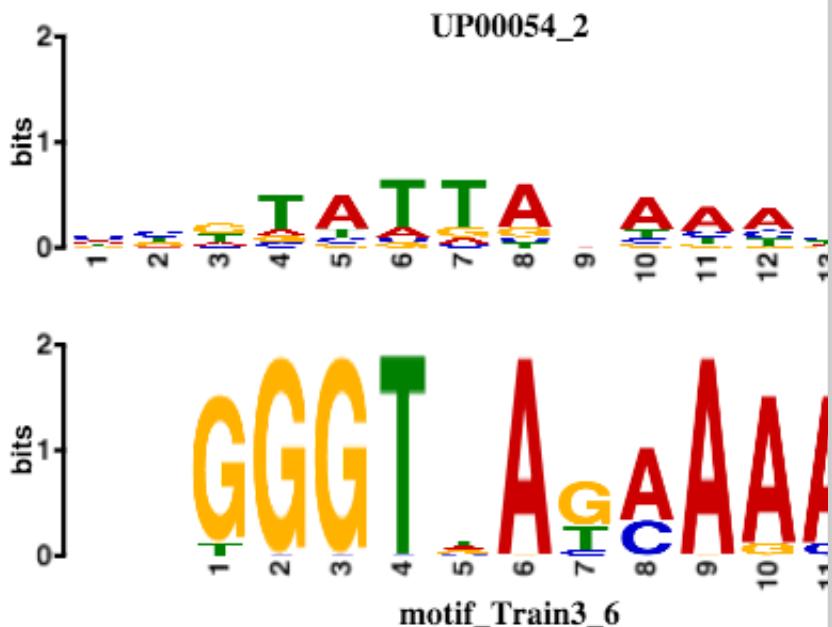
Name UP00054_2 (Tcf7 secondary)
Database uniprobe mouse

p-value 7.08e-03
E-value 6.93e+00
q-value 1.00e+00

Overlap 12
Offset 2
Orientation Normal

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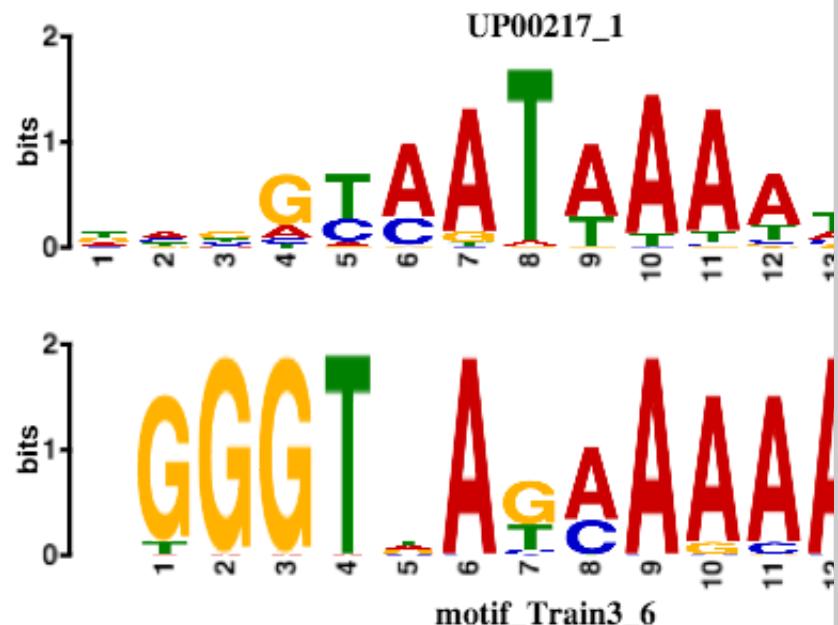
Alignment



Summary

Alignment

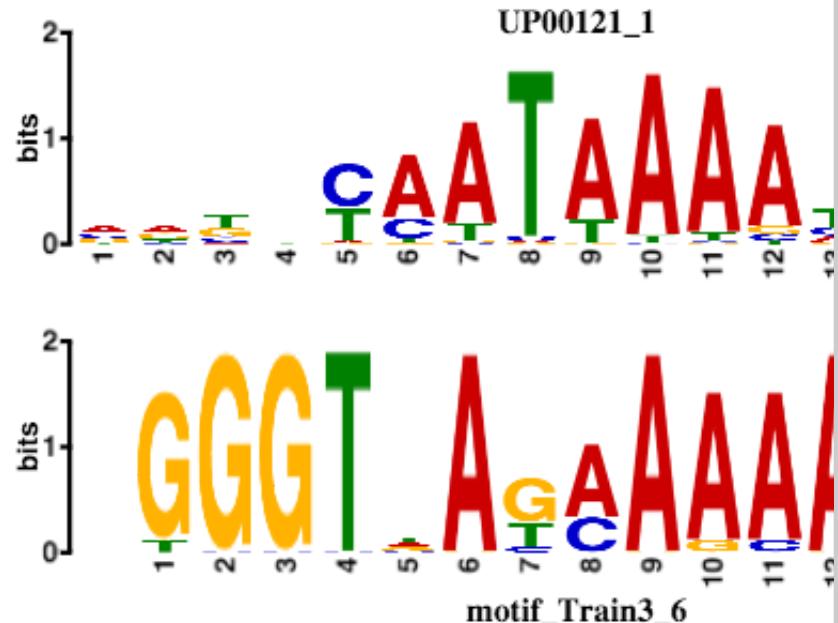
Name	UP00217_1 (Hoxa10_2318.1)
Database	uniprobe mouse
p-value	7.12e-03
E-value	6.97e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal
Show logo download options	



Summary

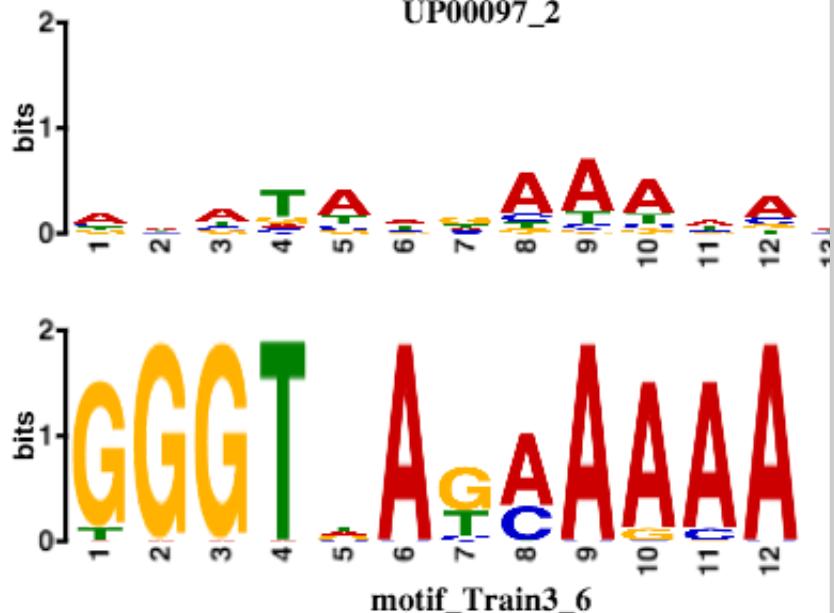
Alignment

Name	UP00121_1 (Hoxd10_2368.2)
Database	uniprobe mouse
p-value	7.85e-03
E-value	7.69e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal
Show logo download options	

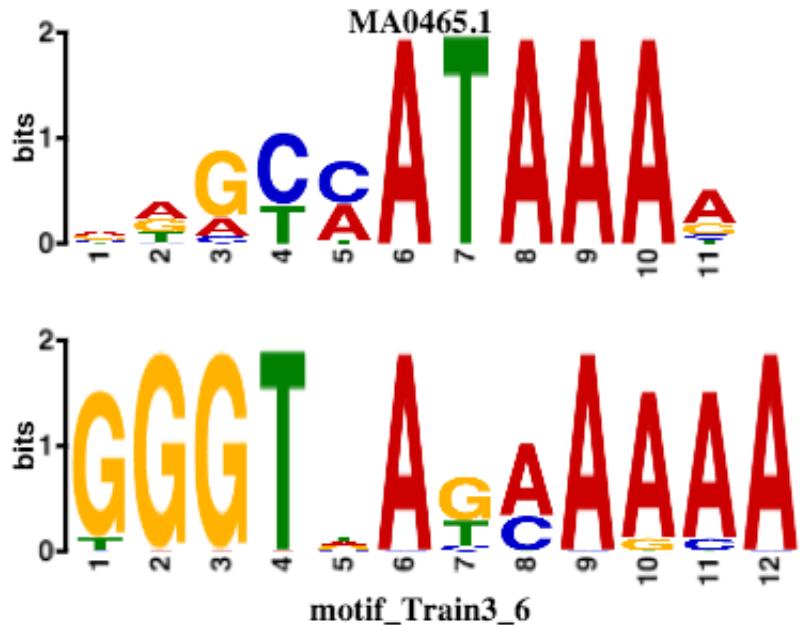


Summary**Alignment**

Name	UP00097_2 (Mtf1 secondary)
Database	uniprobe mouse
p-value	9.06e-03
E-value	8.87e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Normal
Show logo download options	

**Summary****Alignment**

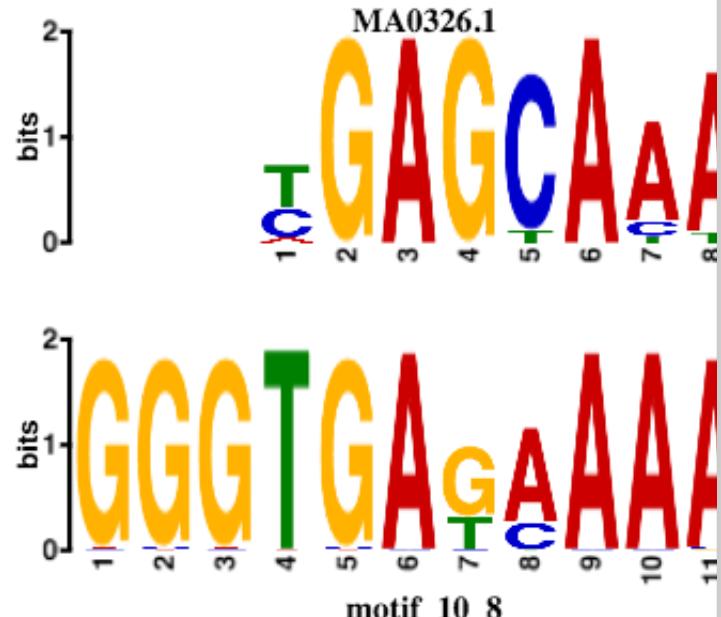
Name	MA0465.1 (CDX2)
Database	JASPAR CORE 2014
p-value	9.44e-03
E-value	9.24e+00
q-value	1.00e+00
Overlap	11
Offset	0
Orientation	Normal
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**MATCHES TO MOTIF_10_8 (9-GGGTGAGAAAAA)**[Previous](#) [Next](#) [Top](#)

Summary

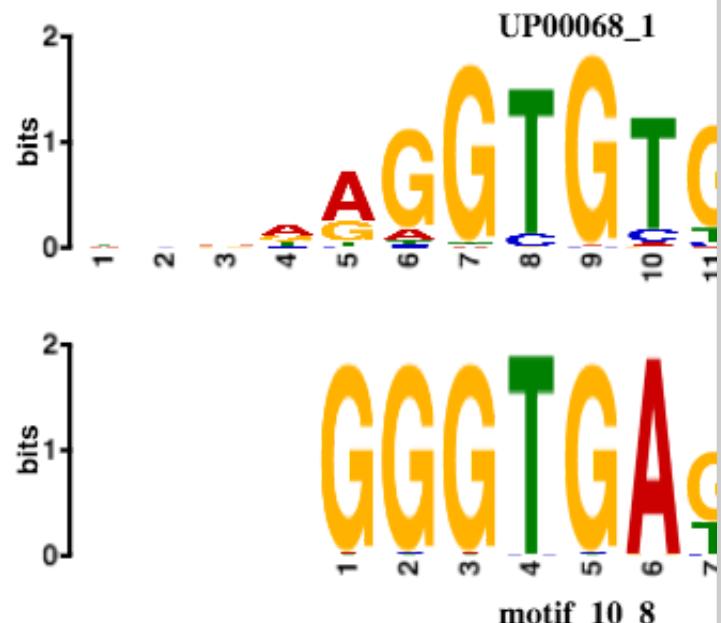
Name	MA0326.1 (MAC1)
Database	JASPAR CORE 2014
p-value	7.59e-04
E-value	7.44e-01
q-value	8.30e-01
Overlap	8
Offset	-3
Orientation	Reverse Complement

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Alignment**Summary**

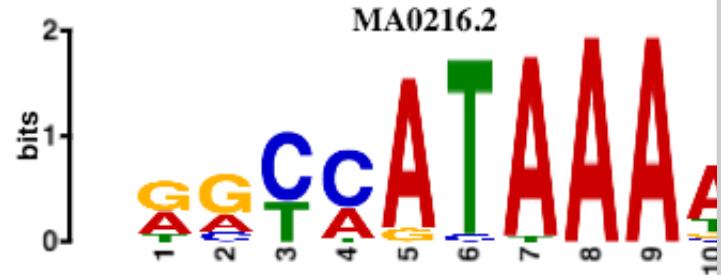
Name	UP00068_1 (Eomes_primary)
Database	uniprobe mouse
p-value	8.48e-04
E-value	8.30e-01
q-value	8.30e-01
Overlap	12
Offset	4
Orientation	Normal

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Alignment**Summary**

Name	MA0216.2 (CAD)
Database	JASPAR CORE 2014
p-value	1.58e-03
E-value	1.54e+00
q-value	9.17e-01
Overlap	11
Offset	-1
Orientation	Normal

Alignment

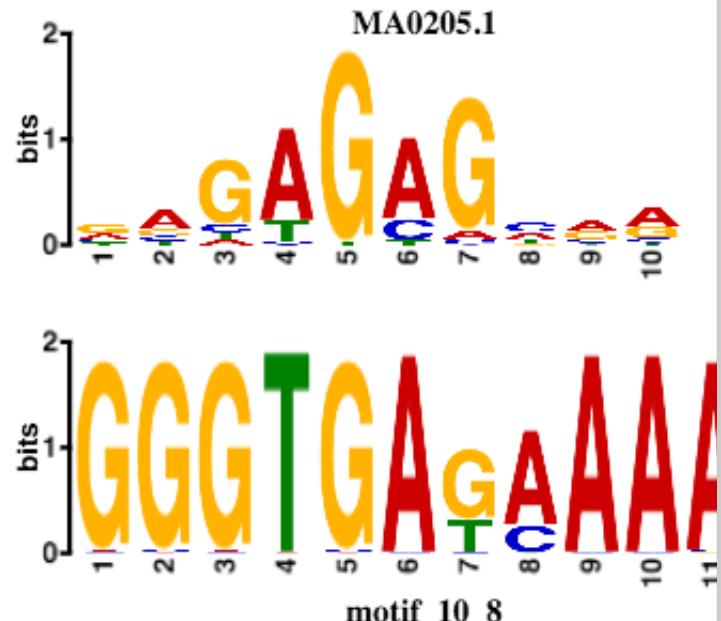
[Show logo download options](#)

Summary

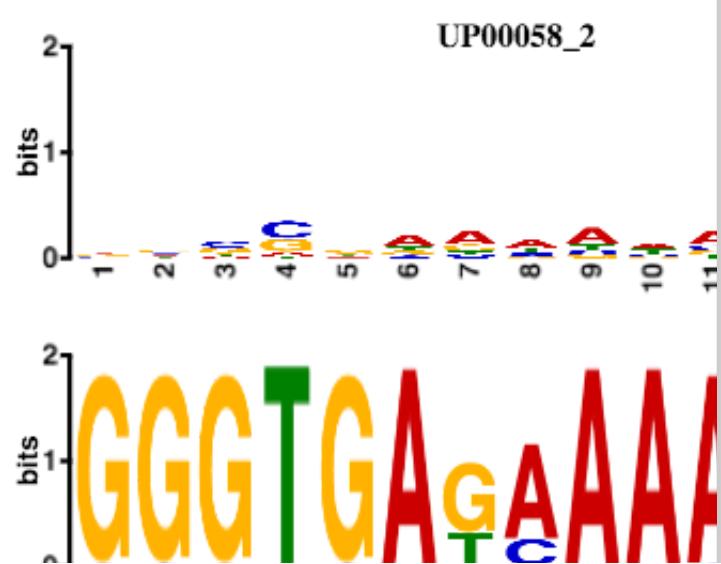
Name	MA0205.1 (Trl)
Database	JASPAR CORE 2014
p-value	2.26e-03
E-value	2.21e+00
q-value	9.17e-01
Overlap	10
Offset	0
Orientation	Reverse Complement

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Alignment



Alignment



Summary

Name	UP00058_2 (Tcf3 secondary)
Database	uniprobe mouse
p-value	2.79e-03
E-value	2.73e+00
q-value	9.17e-01
Overlap	12
Offset	0
Orientation	Normal

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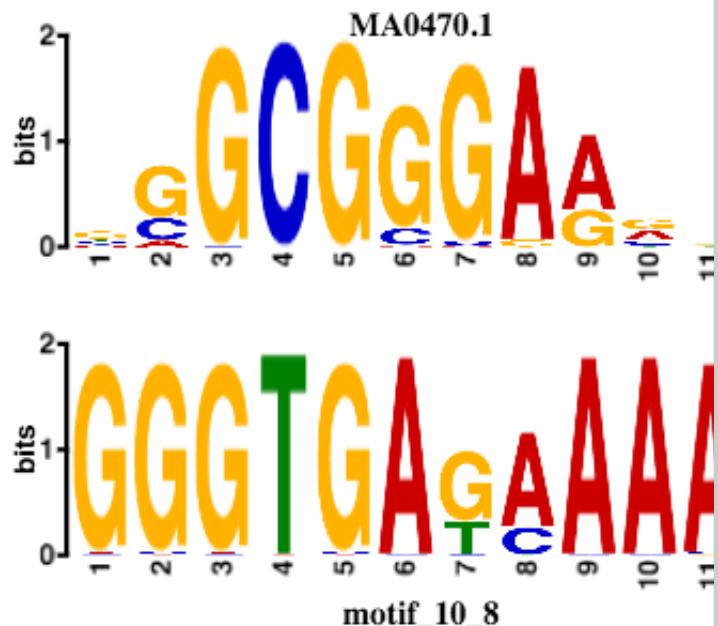
motif_10_8

Summary

Name [MA0470.1 \(E2F4\)](#)
Database JASPAR CORE 2014

p-value 3.03e-03
E-value 2.97e+00
q-value 9.17e-01

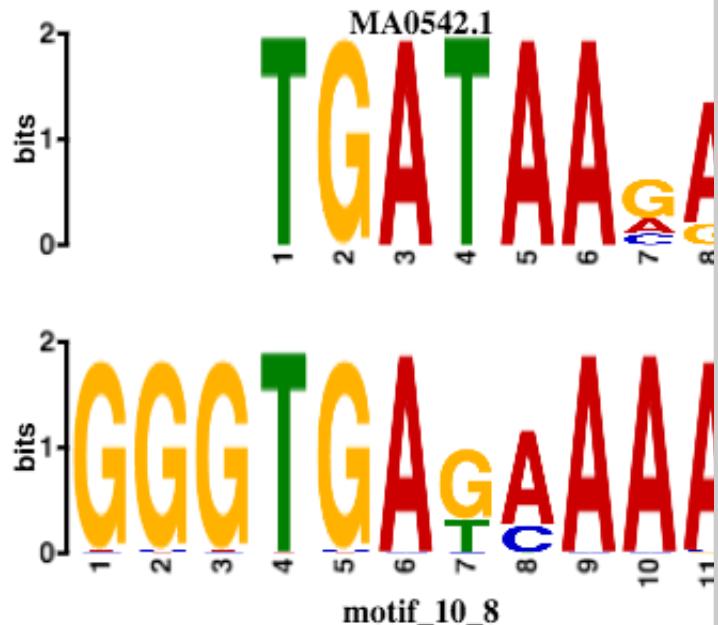
Overlap 11
Offset 0
Orientation Normal
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Alignment**Summary**

Name [MA0542.1 \(ELT-3\)](#)
Database JASPAR CORE 2014

p-value 3.28e-03
E-value 3.21e+00
q-value 9.17e-01

Overlap 8
Offset -3
Orientation Reverse Complement
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Alignment**Summary**

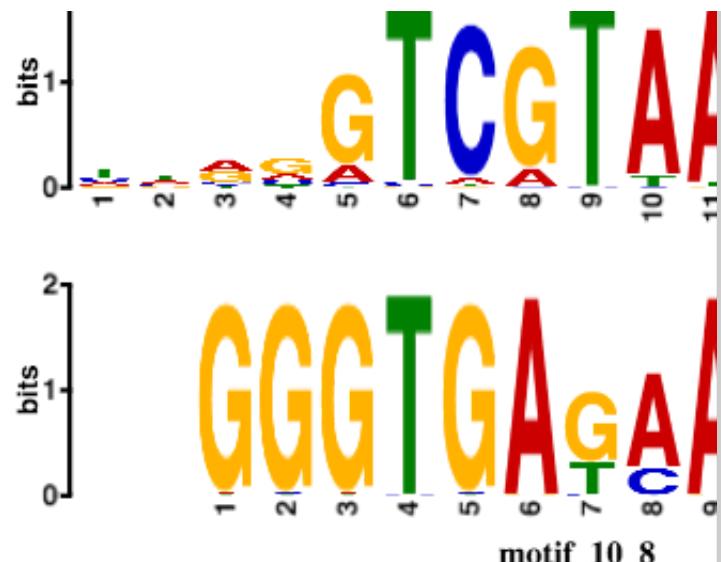
Name [UP00135_1](#)

Alignment

Name	(Hoxc12_3480.1)
Database	uniprobe mouse
p-value	4.14e-03
E-value	4.05e+00
q-value	9.33e-01
Overlap	12
Offset	2
Orientation	Normal

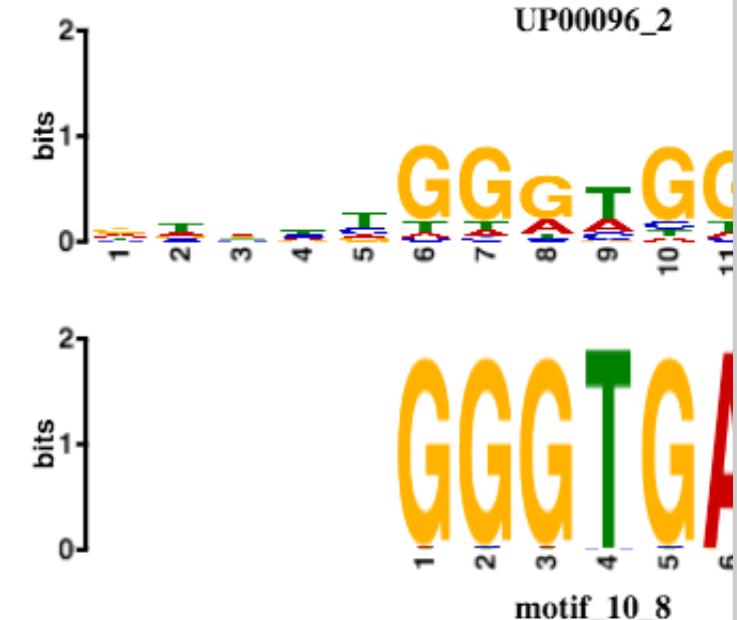
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TOMTOM

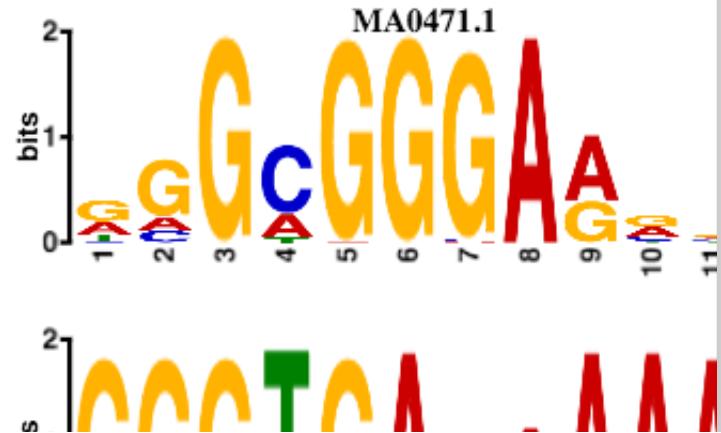
**Summary****Alignment**

Name	UP00096_2 (Sox13_secondary)
Database	uniprobe mouse
p-value	4.72e-03
E-value	4.62e+00
q-value	9.33e-01
Overlap	12
Offset	5
Orientation	Normal

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**Summary****Alignment**

Name	MA0471.1 (E2F6)
Database	JASPAR CORE 2014
p-value	5.01e-03
E-value	4.91e+00
q-value	9.33e-01
Overlap	11
Offset	0
Orientation	Normal



Orientation

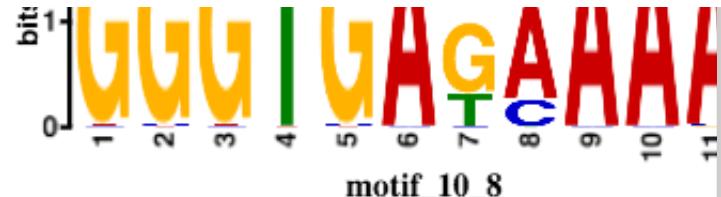
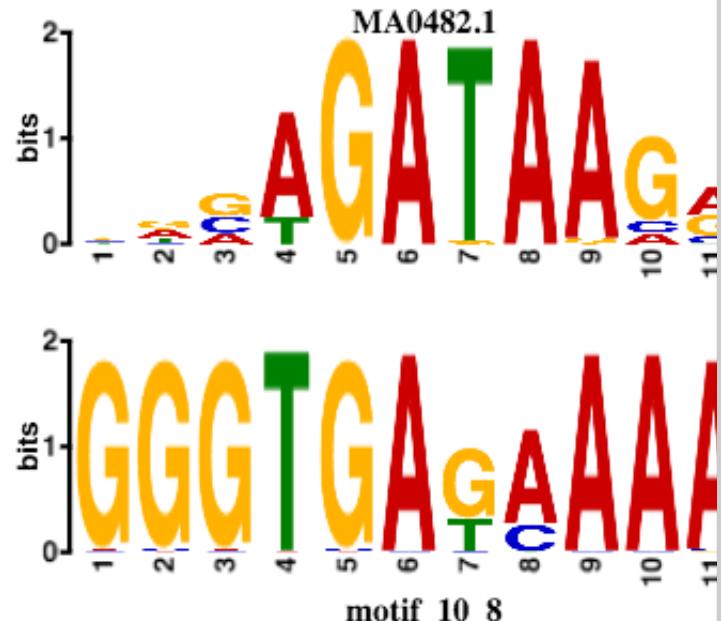
INVERTED

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

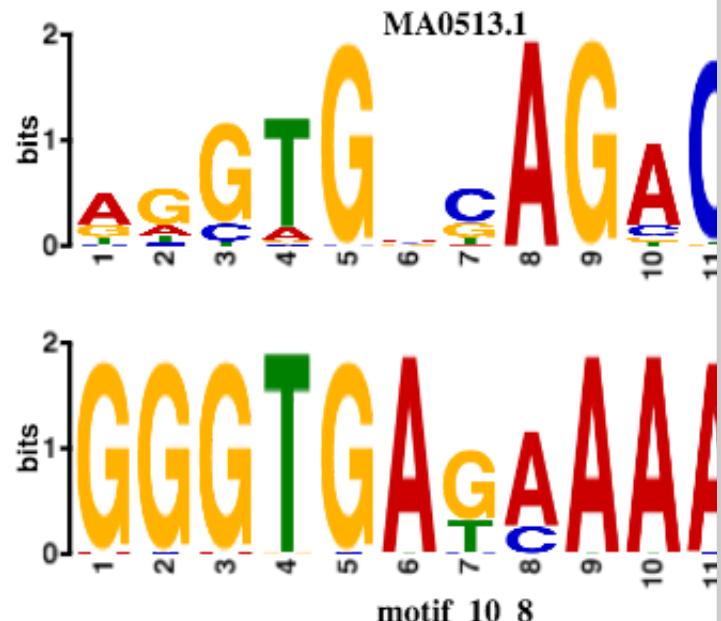
Name	MA0482.1 (Gata4)
Database	JASPAR CORE 2014
p-value	5.24e-03
E-value	5.13e+00
q-value	9.33e-01
Overlap	11
Offset	0
Orientation	Reverse Complement

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TOMTOM

**Alignment****Summary**

Name	MA0513.1 (SMAD2::SMAD3::SMAD4)
Database	JASPAR CORE 2014
p-value	6.10e-03
E-value	5.98e+00
q-value	9.68e-01
Overlap	12
Offset	0
Orientation	Reverse Complement

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

Name	UP00133_1 (Cdx2_4272.1)
Database	uniprobe mouse
p-value	6.42e-03

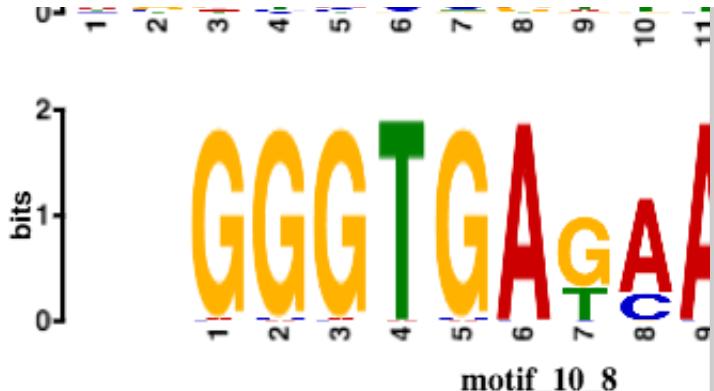
Alignment

E-value 6.29e+00
q-value 9.68e-01

Overlap 12
Offset 2
Orientation Normal

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TOMTOM



Summary

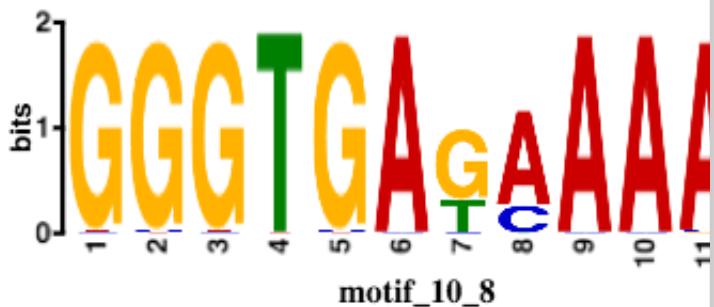
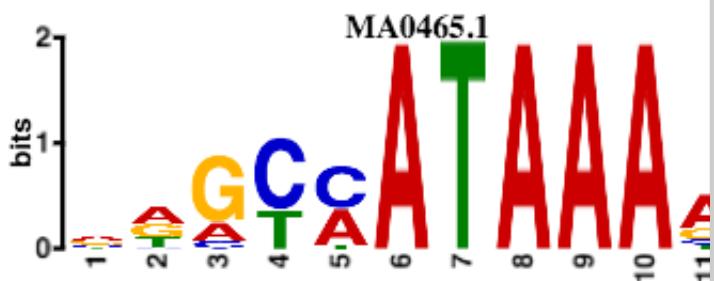
Name [MA0465.1 \(CDX2\)](#)
Database JASPAR CORE 2014

p-value 7.40e-03
E-value 7.24e+00
q-value 9.81e-01

Overlap 11
Offset 0
Orientation Normal

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Alignment



Summary

Name [UP00046_1 \(Tcfe2a_primary\)](#)
Database uniprobe mouse

Alignment



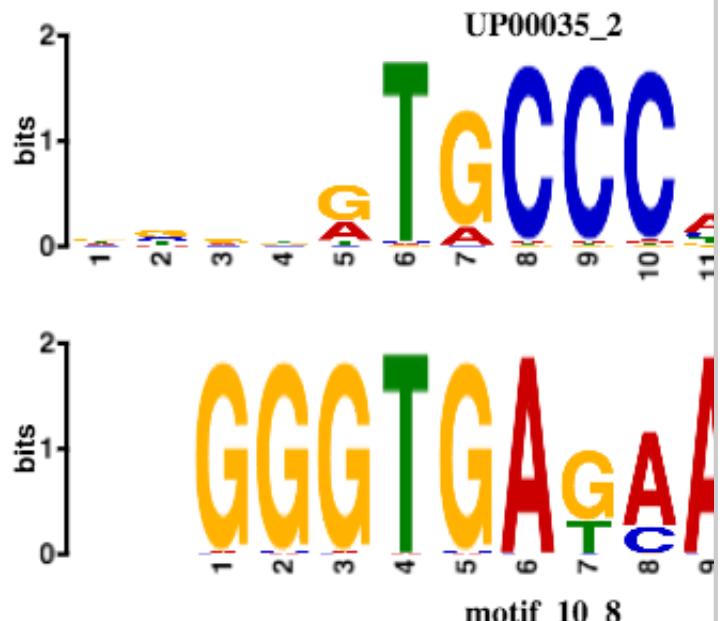
p-value	7.52e-03
E-value	7.36e+00
q-value	9.81e-01
Overlap	11

Offset**Orientation** Normal[Show logo download options](#)

TOMTOM

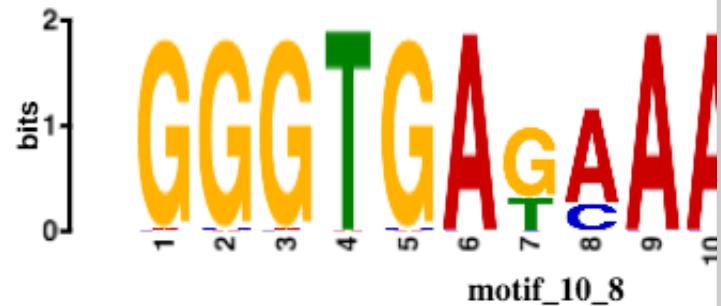
**Summary**

Name	UP00035_2 <i>(Hic1 secondary)</i>
Database	uniprobe mouse
p-value	8.91e-03
E-value	8.72e+00
q-value	1.00e+00
Overlap	12
Offset	2
Orientation	Normal

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

Name	UP00207_1 <i>(Hoxb9_3413.1)</i>
Database	uniprobe mouse
p-value	9.27e-03
E-value	9.08e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal

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MATCHES TO MOTIF_TRAIN7_5 (8-GGGTBRBMAAAA)

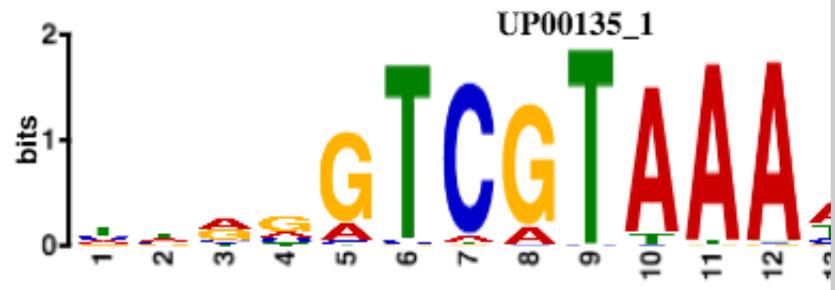
[Previous](#) [Next](#) [Top](#)

Summary

Name	UP00135_1 (Hoxc12_3480.1)
Database	uniprobe mouse
p-value	3.16e-04
E-value	3.10e-01
q-value	3.27e-01
Overlap	12
Offset	2
Orientation	Normal

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Alignment

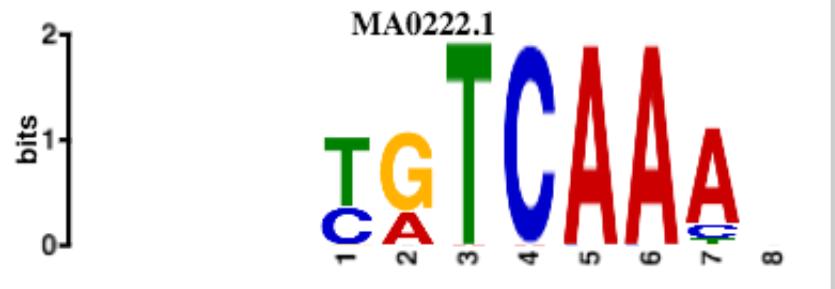


Summary

Name	MA0222.1 (exd)
Database	JASPAR CORE 2014
p-value	3.34e-04
E-value	3.27e-01
q-value	3.27e-01
Overlap	8
Offset	-4
Orientation	Reverse Complement

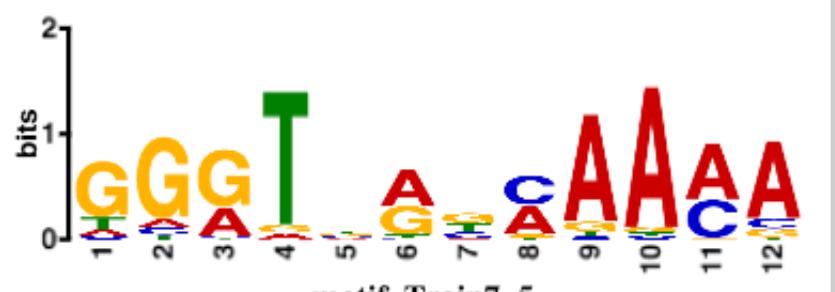
[Show logo download options](#)

Alignment

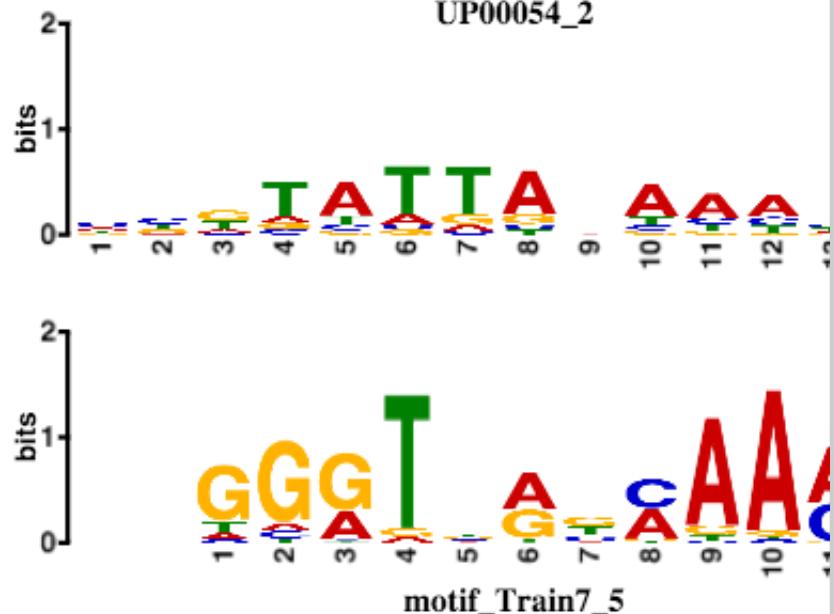


Summary

Alignment



Name	UP00054_2 (Tcf7 secondary)
Database	uniprobe mouse
p-value	1.06e-03
E-value	1.04e+00
q-value	5.48e-01
Overlap	12
Offset	2
Orientation	Normal
Show logo download options	

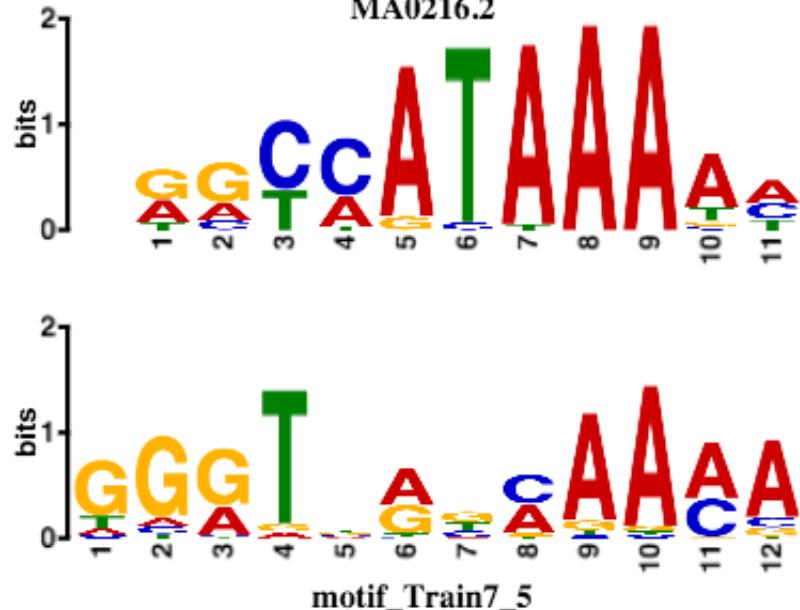


Summary

Alignment

Name	MA0216.2 (CAD)
Database	JASPAR CORE 2014
p-value	1.12e-03
E-value	1.10e+00
q-value	5.48e-01
Overlap	11
Offset	-1
Orientation	Normal
Show logo download options	

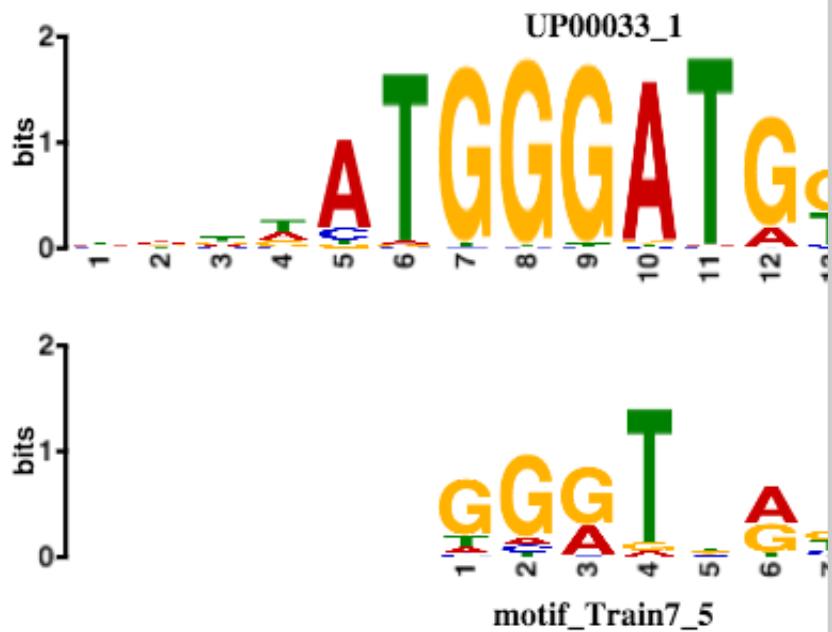
MA0216.2



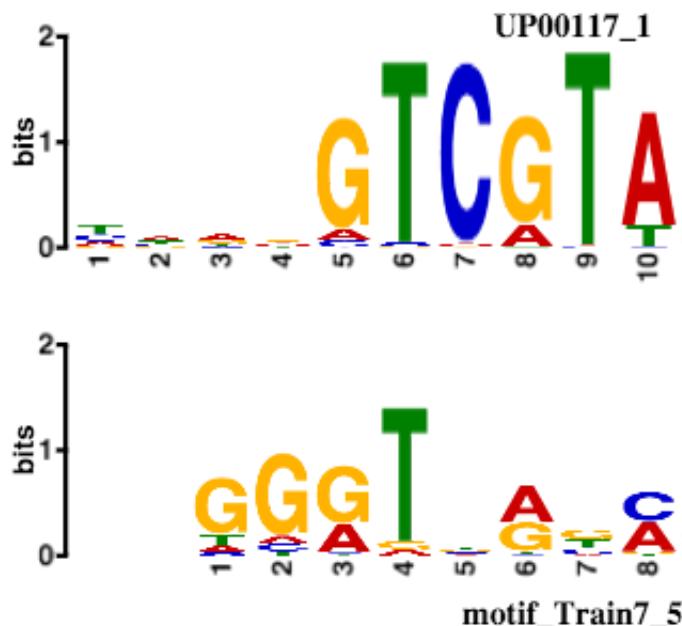
Summary

Alignment

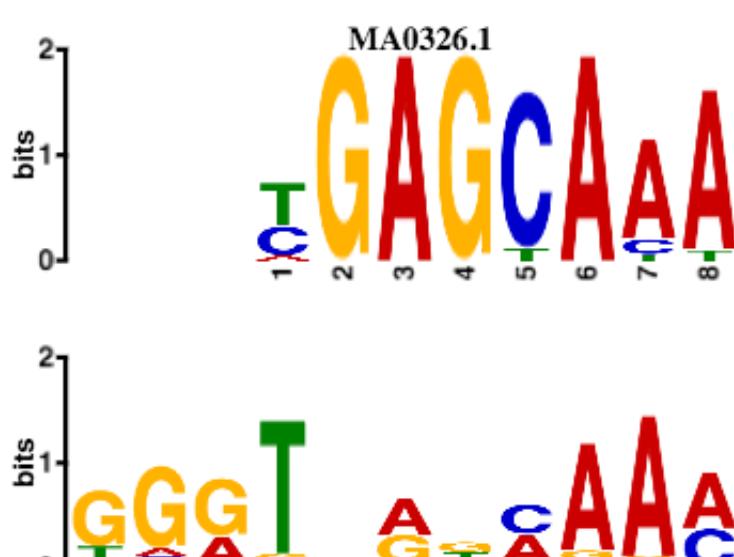
Name	UP00033_1 (Zfp410 primary)
Database	uniprobe mouse
p-value	2.55e-03
E-value	2.49e+00
q-value	9.72e-01
Overlap	11
Offset	6
Orientation	Normal
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**Summary****Alignment**

Name	UP00117_1 (Hoxd11_3873.1)
Database	uniprobe mouse
p-value	3.37e-03
E-value	3.30e+00
q-value	9.72e-01
Overlap	12
Offset	2
Orientation	Normal
Show logo download options	

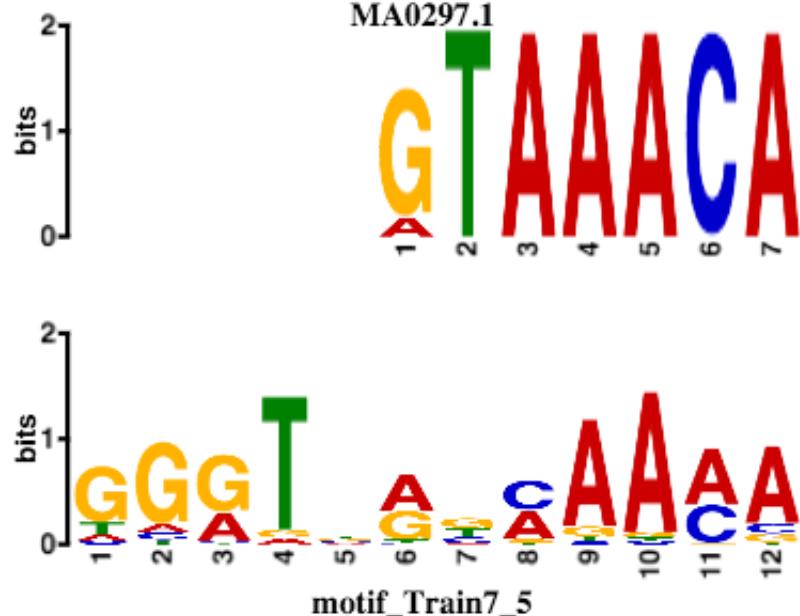
**Summary****Alignment**

Name	MA0326.1 (MAC1)
Database	JASPAR CORE 2014
p-value	3.47e-03
E-value	3.40e+00
q-value	9.72e-01
Overlap	8
Offset	-3
Orientation	Reverse Complement

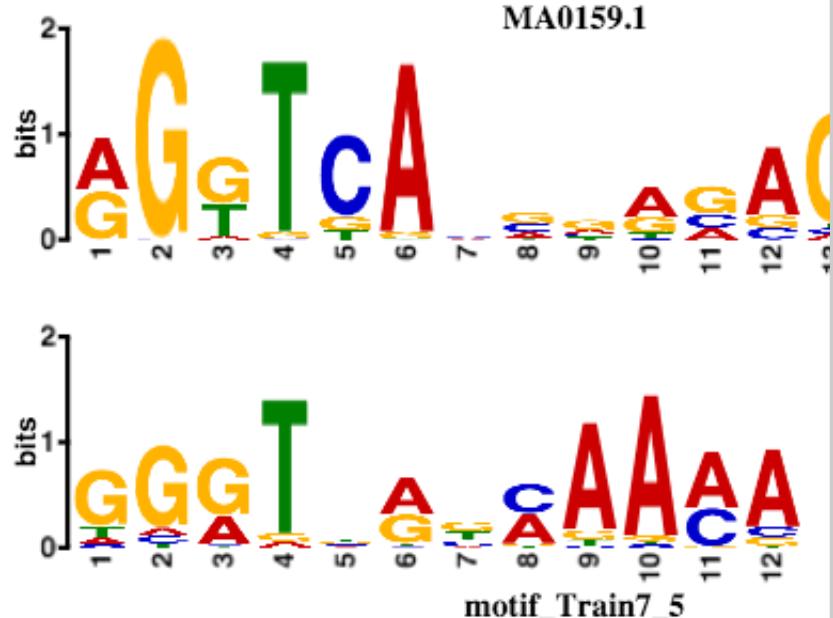


[Show logo download options](#)**Summary****Alignment**

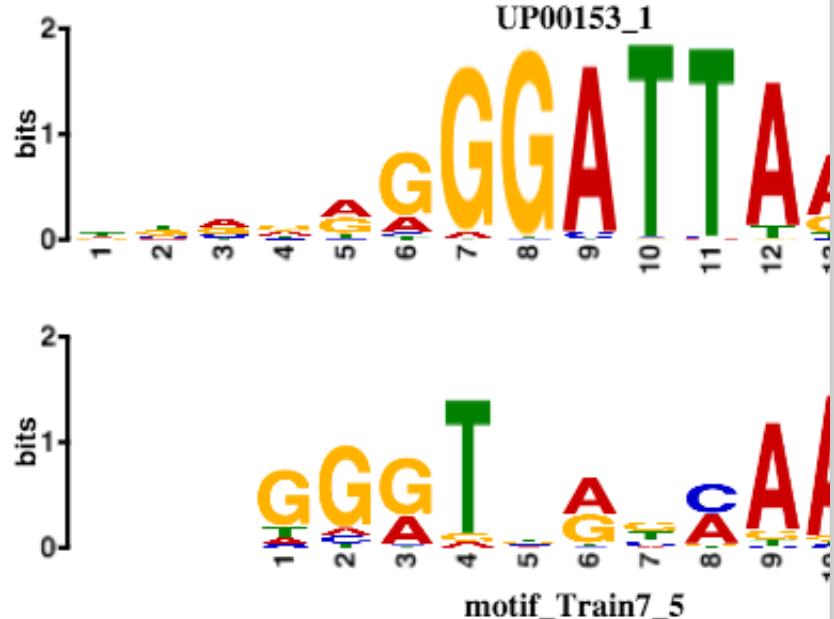
Name	MA0297.1 (FKH2)
Database	JASPAR CORE 2014
p-value	4.23e-03
E-value	4.14e+00
q-value	9.95e-01
Overlap	7
Offset	-5
Orientation	Normal

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

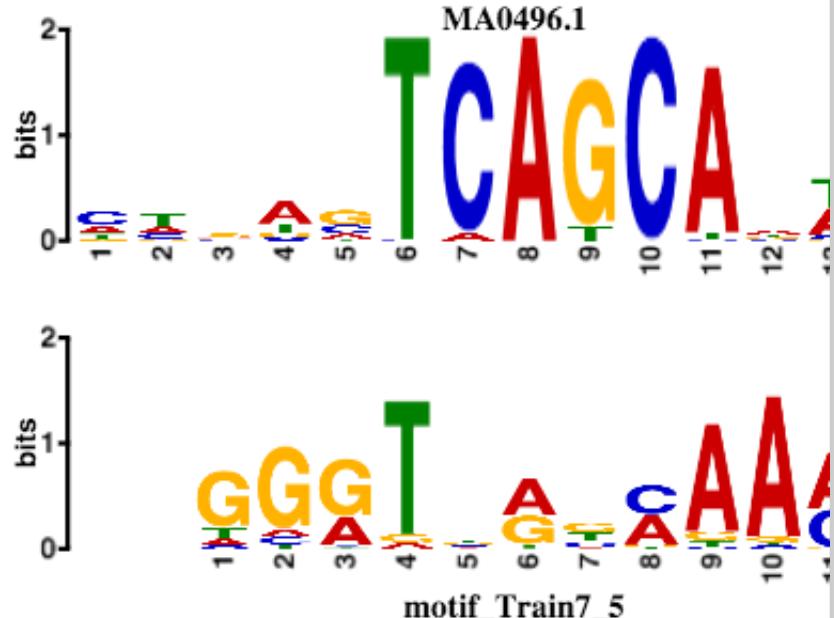
Name	MA0159.1 (RXR::RAR_DR5)
Database	JASPAR CORE 2014
p-value	6.61e-03
E-value	6.47e+00
q-value	9.95e-01
Overlap	12
Offset	0
Orientation	Normal

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

Name	UP00153_1 (Pitx1_2312.1)
Database	uniprobe mouse
p-value	7.05e-03
E-value	6.90e+00
q-value	9.95e-01
Overlap	12
Offset	3
Orientation	Normal
Show logo download options	

**Summary****Alignment**

Name	MA0496.1 (MAFK)
Database	JASPAR CORE 2014
p-value	7.32e-03
E-value	7.17e+00
q-value	9.95e-01
Overlap	12
Offset	2
Orientation	Normal
Show logo download options	

**Summary****Alignment**

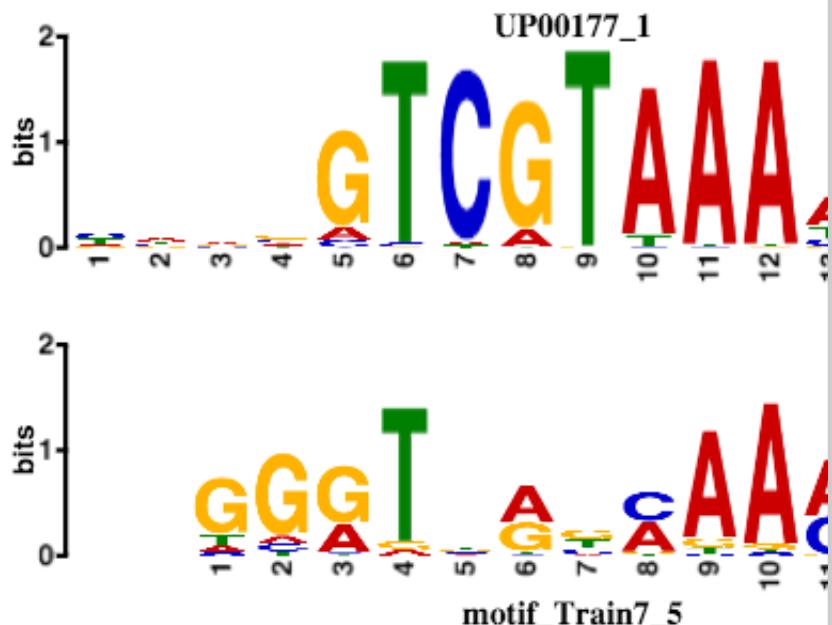
Name	MA0317.1 (HCM1)
Database	JASPAR CORE 2014
p-value	7.45e-03



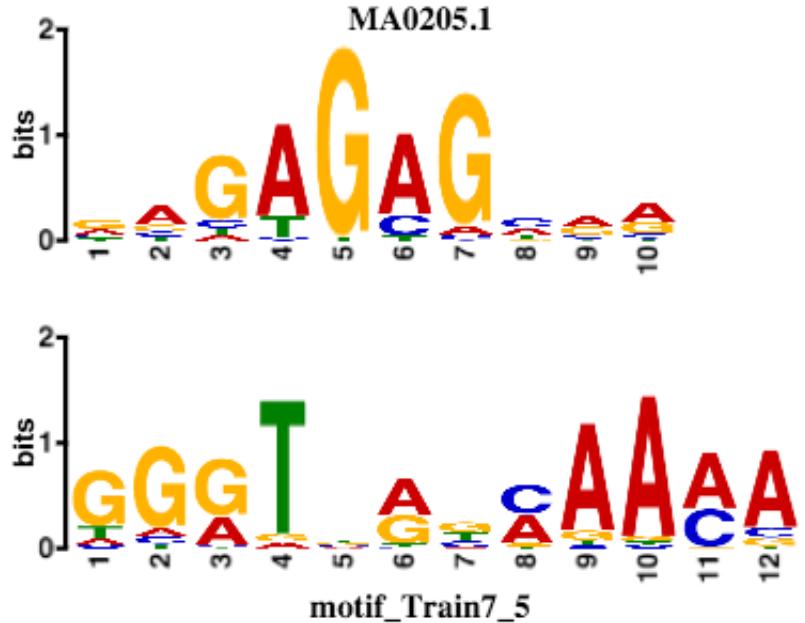
E-value	7.30e+00
q-value	9.95e-01
Overlap	7
Offset	-5
Orientation	Normal
Show logo download options	

**Summary**

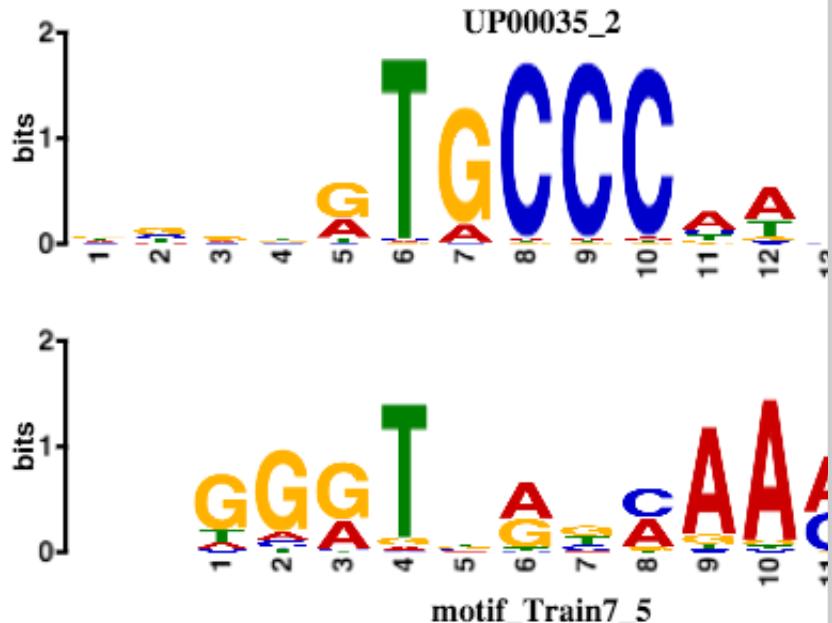
Name	UP00177_1 (Hoxd12_3481.1)
Database	uniprobe mouse
p-value	7.52e-03
E-value	7.36e+00
q-value	9.95e-01
Overlap	12
Offset	2
Orientation	Normal
Show logo download options	

Alignment**Summary**

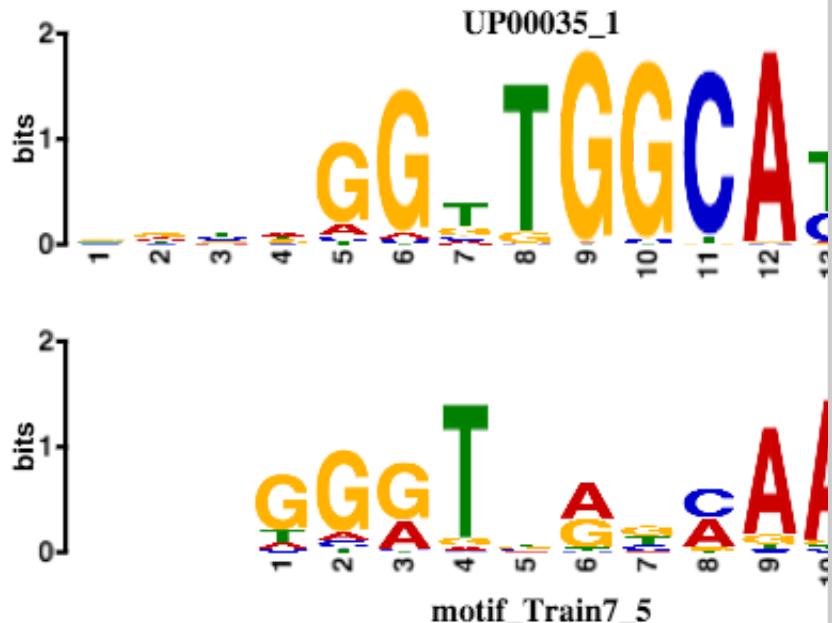
Name	MA0205.1 (TrI)
Database	JASPAR CORE
	2014
p-value	7.94e-03
E-value	7.77e+00
q-value	9.95e-01
Overlap	10
Offset	0
Orientation	Reverse Complement
Show logo download options	

Alignment**Summary****Alignment**

Name	UP00035_2 (Hic1 secondary)
Database	uniprobe mouse
p-value	8.28e-03
E-value	8.11e+00
q-value	9.95e-01
Overlap	12
Offset	2
Orientation	Normal
Show logo download options	

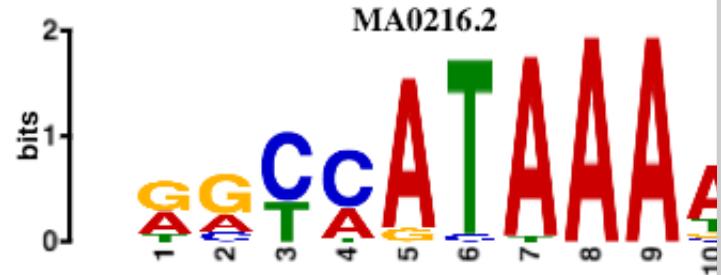
**Summary****Alignment**

Name	UP00035_1 (Hic1 primary)
Database	uniprobe mouse
p-value	9.39e-03
E-value	9.19e+00
q-value	9.95e-01
Overlap	12
Offset	3
Orientation	Reverse Complement
Show logo download options	

**MATCHES TO MOTIF_TRAIN4_7 (9-GGGTGATAAAAAA)**[Previous](#) [Next](#) [Top](#)**Summary****Alignment**

Name	MA0216.2 (CAD)
Database	JASPAR CORE 2014
p-value	4.25e-04
E-value	4.17e-01
q-value	5.77e-01
Overlap	11

Offset -1
Orientation Normal
[Show logo download options](#)



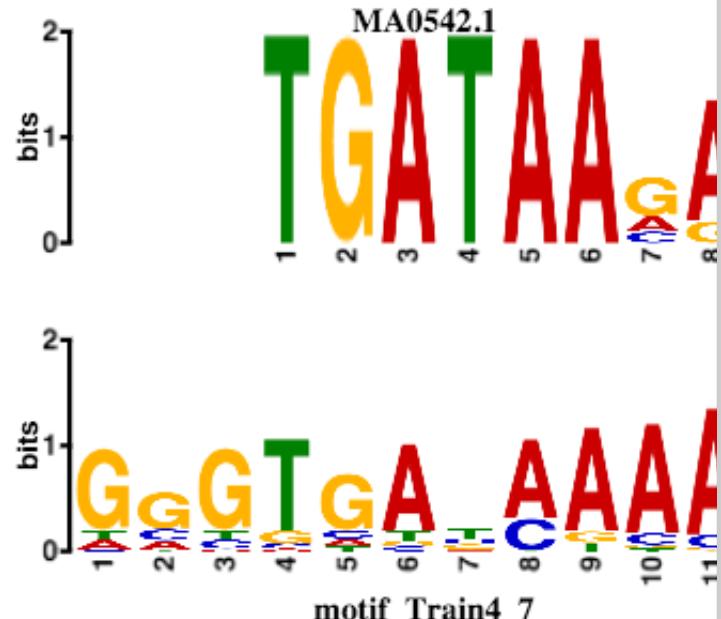
Summary

Name [MA0542.1 \(ELT-3\)](#)
Database JASPAR CORE 2014

p-value 5.91e-04
E-value 5.78e-01
q-value 5.77e-01

Overlap 8
Offset -3
Orientation Reverse Complement
[Show logo download options](#)

Alignment



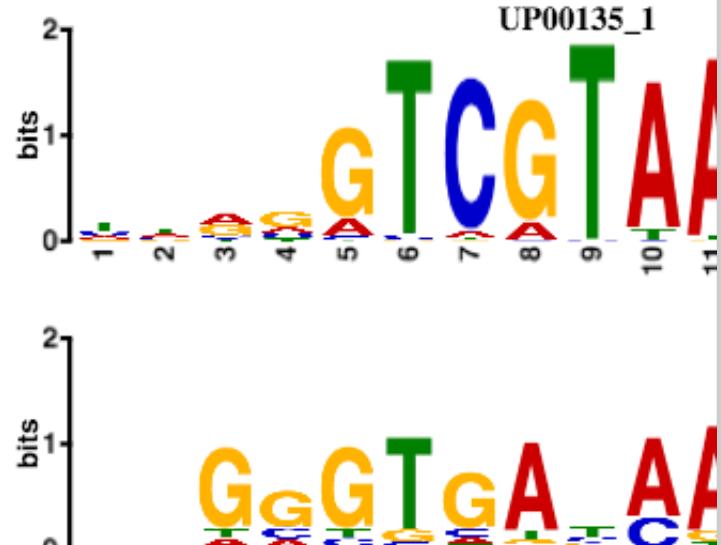
Summary

Name [UP00135_1 \(Hoxc12_3480.1\)](#)
Database uniprobe mouse

p-value 1.31e-03
E-value 1.29e+00
q-value 6.92e-01

Overlap 12
Offset 2
Orientation Normal
[Show logo download options](#)

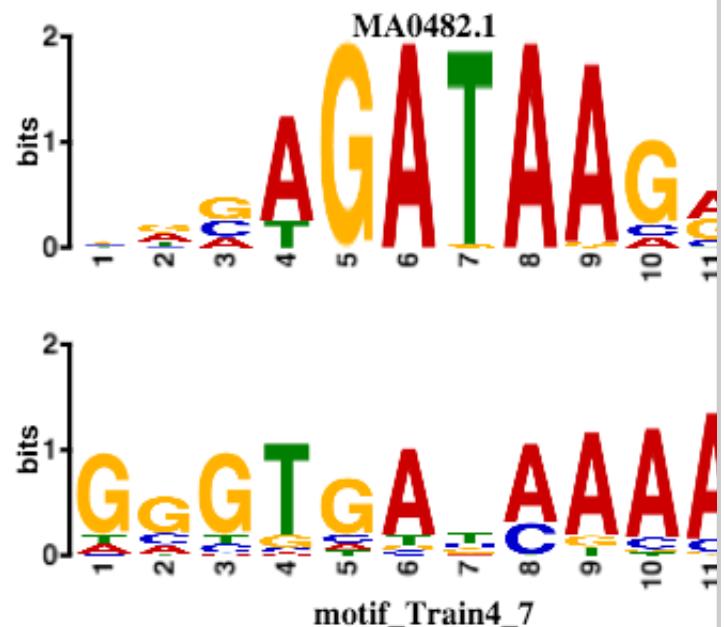
Alignment



**Summary**

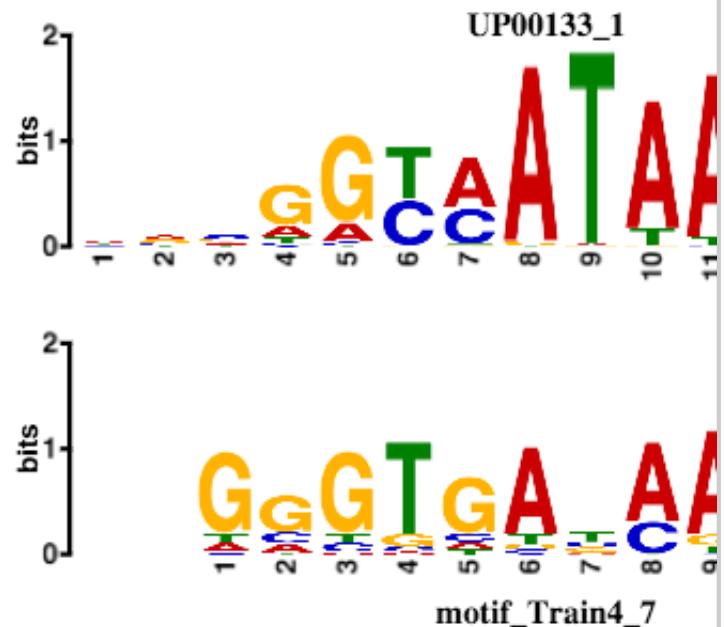
Name	MA0482.1 (Gata4)
Database	JASPAR CORE 2014
p-value	2.47e-03
E-value	2.42e+00
q-value	6.92e-01
Overlap	11
Offset	0
Orientation	Reverse Complement

[Show logo download options](#)

Alignment**Summary**

Name	UP00133_1 (Cdx2_4272.1)
Database	uniprobe mouse
p-value	2.55e-03
E-value	2.50e+00
q-value	6.92e-01
Overlap	12
Offset	2
Orientation	Normal

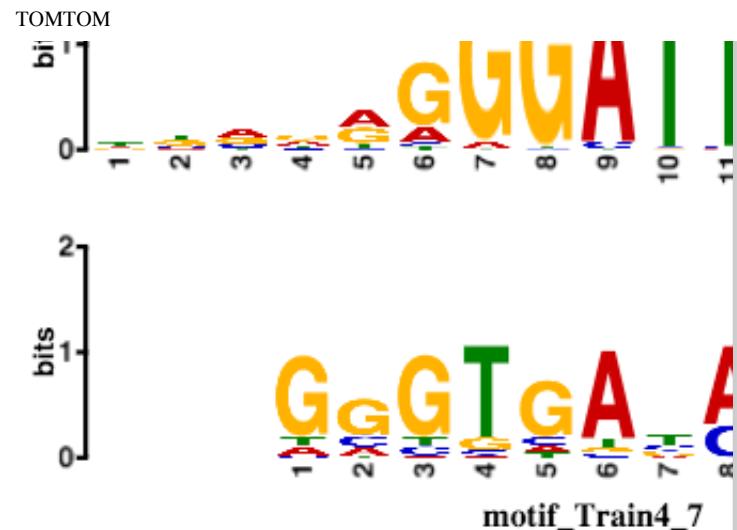
[Show logo download options](#)

Alignment**Summary**

Name	UP00153_1 (Pitx1_2312.1)
Database	uniprobe mouse

Alignment

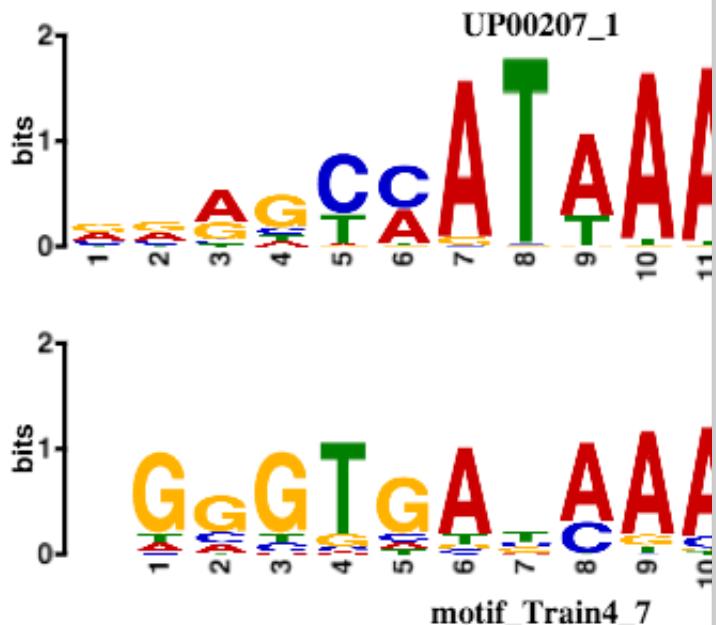
p-value	2.62e-03
E-value	2.56e+00
q-value	6.92e-01
Overlap	12
Offset	3
Orientation	Normal
 Show logo download options	



Summary

Name	UP00207_1 (Hoxb9_3413.1)
Database	uniprobe mouse
p-value	2.79e-03
E-value	2.73e+00
q-value	6.92e-01
Overlap	12
Offset	1
Orientation	Normal
 Show logo download options	

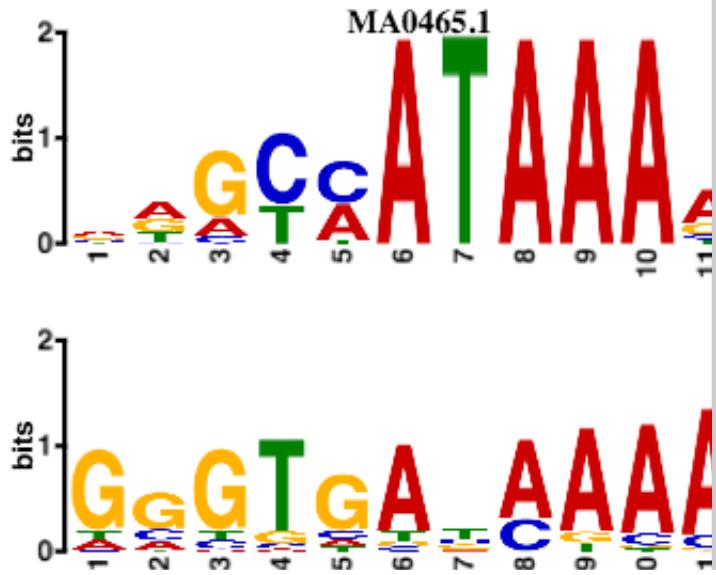
Alignment



Summary

Name	MA0465.1 (CDX2)
Database	JASPAR CORE 2014
p-value	3.25e-03
E-value	3.18e+00
q-value	6.92e-01
Overlap	11
Offset	0
Orientation	Normal
 Show logo download options	

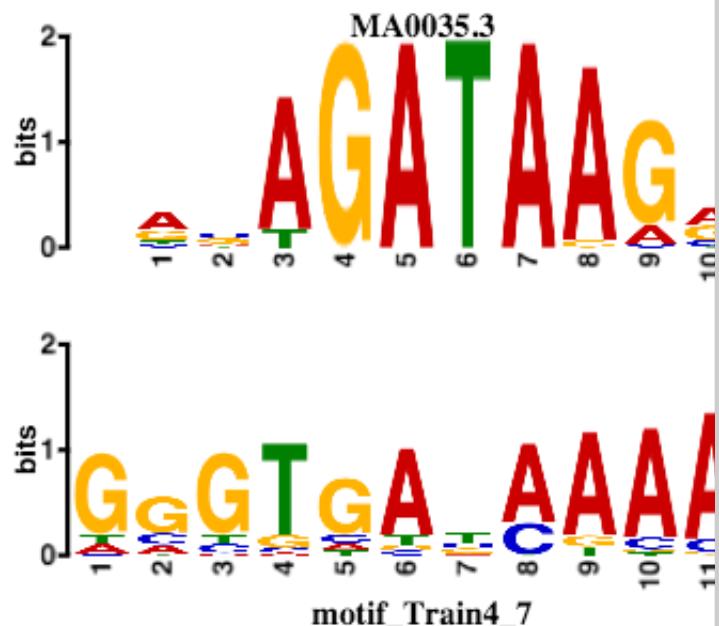
Alignment



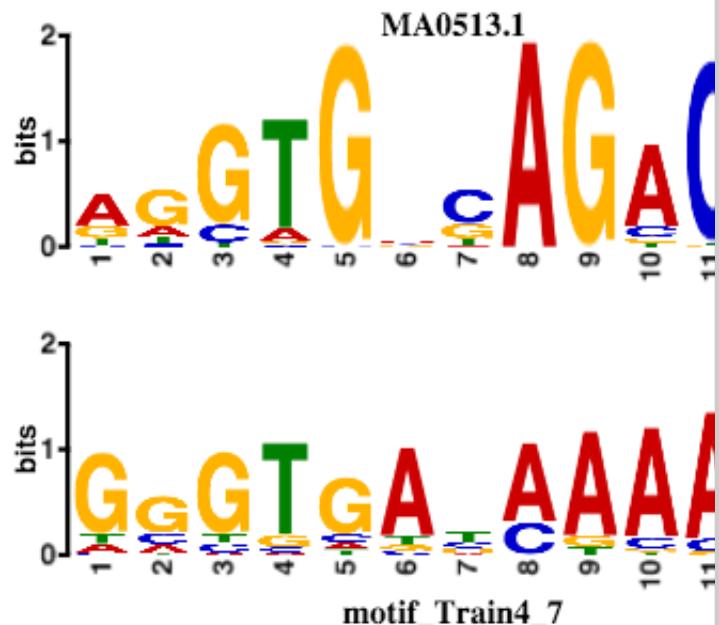
motif_Train4_7

Summary

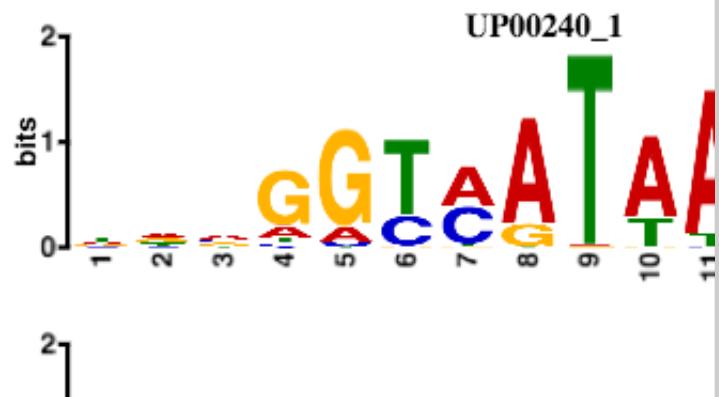
Name	MA0035.3 (Gata1)
Database	JASPAR CORE 2014
p-value	3.56e-03
E-value	3.48e+00
q-value	6.92e-01
Overlap	11
Offset	-1
Orientation	Reverse Complement

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

Name	MA0513.1 (SMAD2::SMAD3::SMAD4)
Database	JASPAR CORE 2014
p-value	3.85e-03
E-value	3.77e+00
q-value	6.92e-01
Overlap	12
Offset	0
Orientation	Reverse Complement

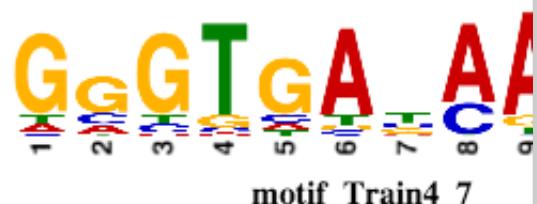
[Show logo download options](#)**Alignment****Summary**

Name	UP00240_1 (Cdx1_2245.1)
Database	uniprobe mouse
p-value	4.15e-03
E-value	4.06e+00
q-value	6.92e-01
Overlap	12

Alignment

Offset 2
Orientation Normal
[Show logo download options](#)

TOMTOM

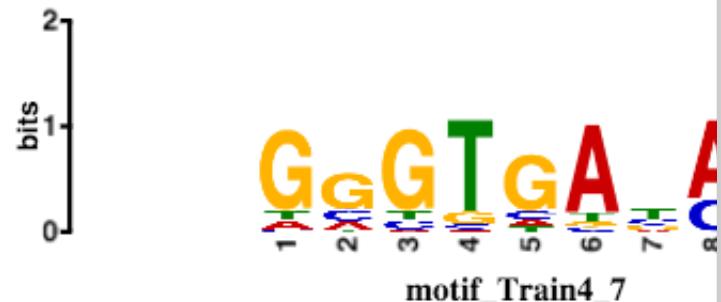
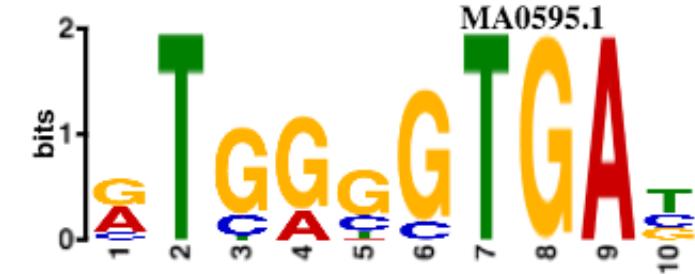
**Summary****Alignment**

Name MA0595.1 (SREBF1)
Database JASPAR CORE 2014

p-value 4.56e-03
E-value 4.47e+00
q-value 6.92e-01

Overlap 7
Offset 3
Orientation Reverse Complement

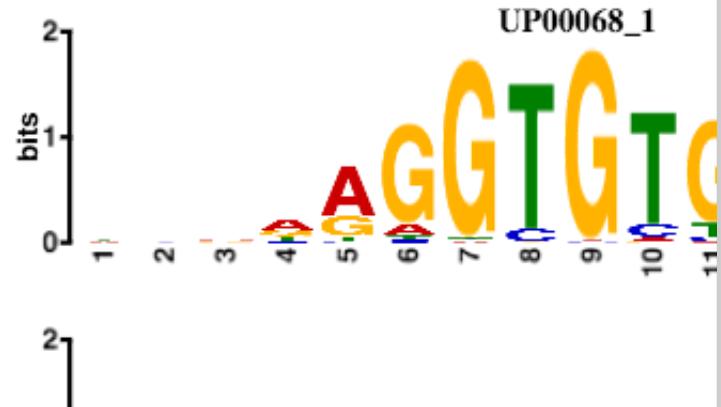
[Show logo download options](#)

**Summary****Alignment**

Name UP00068_1
(Eomes_primary)
Database uniprobe mouse

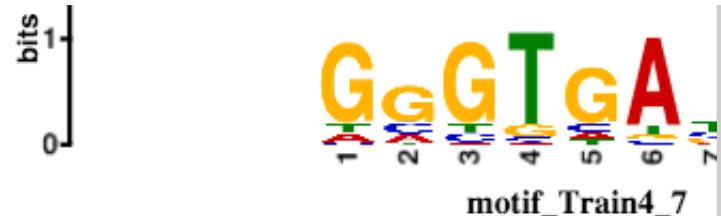
p-value 5.29e-03
E-value 5.18e+00
q-value 6.92e-01

Overlap 12

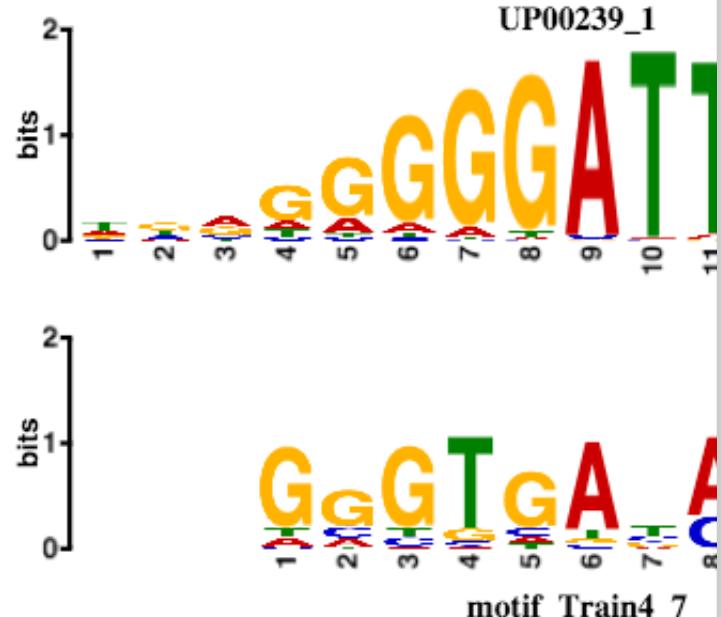


Offset 4
Orientation Normal
[Show logo download options](#)

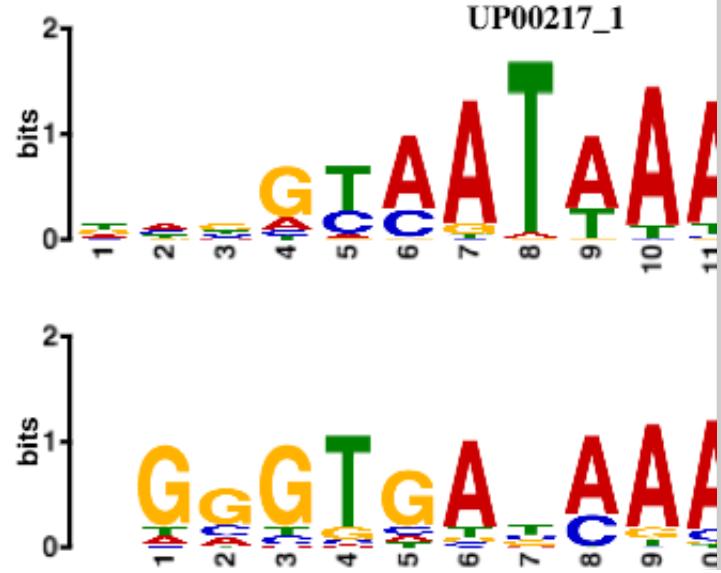
TOMTOM

**Summary**

Name [UP00239_1](#)
Database uniprobe mouse
p-value 5.76e-03
E-value 5.64e+00
q-value 6.92e-01
Overlap 12
Offset 3
Orientation Normal
[Show logo download options](#)

Alignment**Summary**

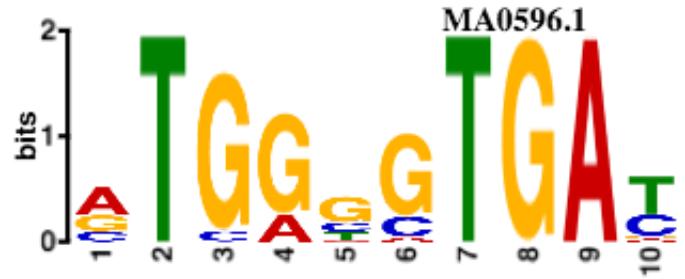
Name [UP00217_1](#)
Database uniprobe mouse
p-value 5.82e-03
E-value 5.70e+00
q-value 6.92e-01
Overlap 12
Offset 1
Orientation Normal
[Show logo download options](#)

Alignment

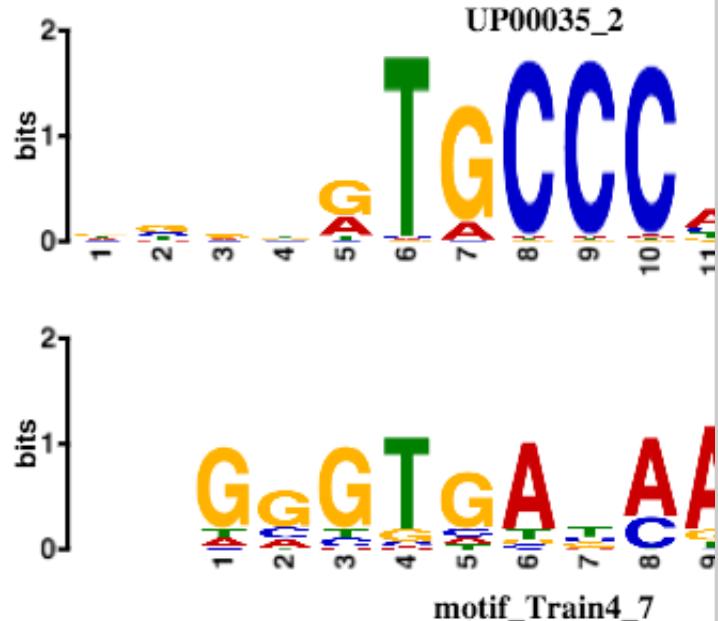
motif_Train4_7

Summary

Name	MA0596.1 (SREBF2)
Database	JASPAR CORE 2014
p-value	6.24e-03
E-value	6.11e+00
q-value	6.92e-01
Overlap	7
Offset	3
Orientation	Normal
	Show logo download options

Alignment**Summary**

Name	UP00035_2 (Hic1 secondary)
Database	uniprobe mouse
p-value	6.33e-03
E-value	6.20e+00
q-value	6.92e-01
Overlap	12
Offset	2
Orientation	Normal
	Show logo download options

Alignment**Summary**

Name	MA0199.1 (Optix)
Database	JASPAR CORE 2014
p-value	6.57e-03
E-value	6.43e+00
q-value	6.92e-01
Overlap	5
Offset	-3

Alignment

Orientation

Normal

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TOMTOM

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motif_Train4_7

Summary

Name	UP00058_2 (Tcf3 secondary)
Database	uniprobe mouse
p-value	6.73e-03
E-value	6.59e+00
q-value	6.92e-01
Overlap	12
Offset	0
Orientation	Normal

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

UP00058_2

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motif_Train4_7

Summary

Name	MA0326.1 (MAC1)
Database	JASPAR CORE 2014
p-value	7.33e-03
E-value	7.18e+00
q-value	7.17e-01
Overlap	8
Offset	-3
Orientation	Reverse Complement

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

MA0326.1

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bits

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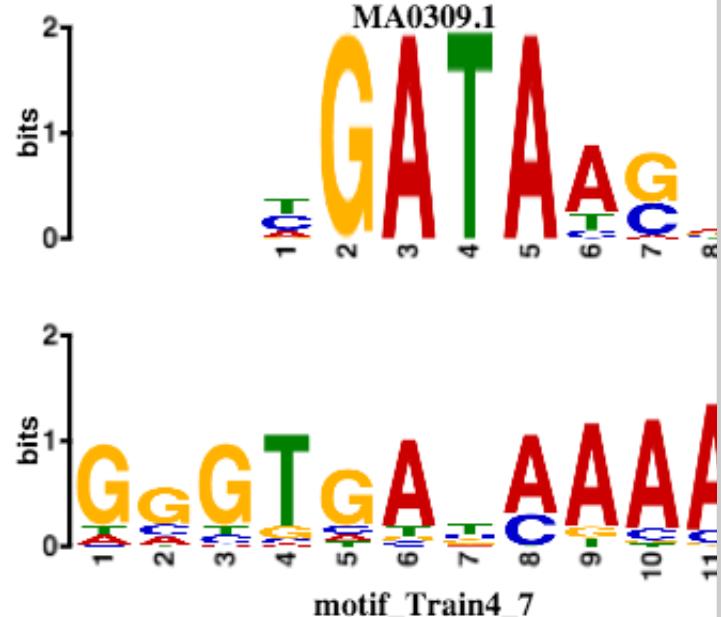
9

10

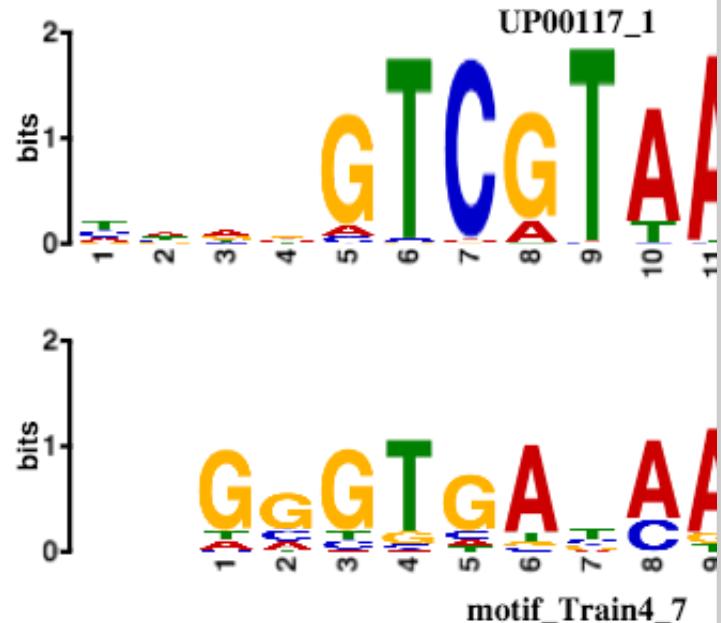
11

Summary**Alignment**

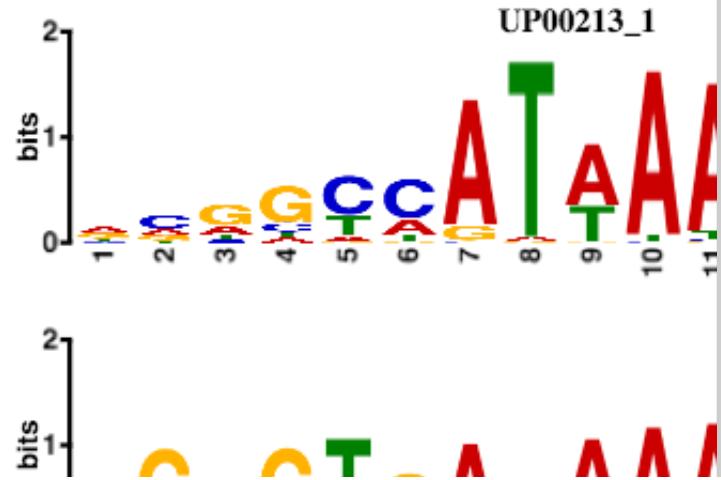
Name	MA0309.1 (GZF3)
Database	JASPAR CORE 2014
p-value	8.09e-03
E-value	7.92e+00
q-value	7.43e-01
Overlap	8
Offset	-3
Orientation	Normal

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

Name	UP00117_1 (Hoxd11_3873.1)
Database	uniprobe mouse
p-value	8.36e-03
E-value	8.18e+00
q-value	7.43e-01
Overlap	12
Offset	2
Orientation	Normal

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

Name	UP00213_1 (Hoxa9_2622.2)
Database	uniprobe mouse
p-value	9.06e-03
E-value	8.87e+00
q-value	7.71e-01
Overlap	12
Offset	1
Orientation	Normal

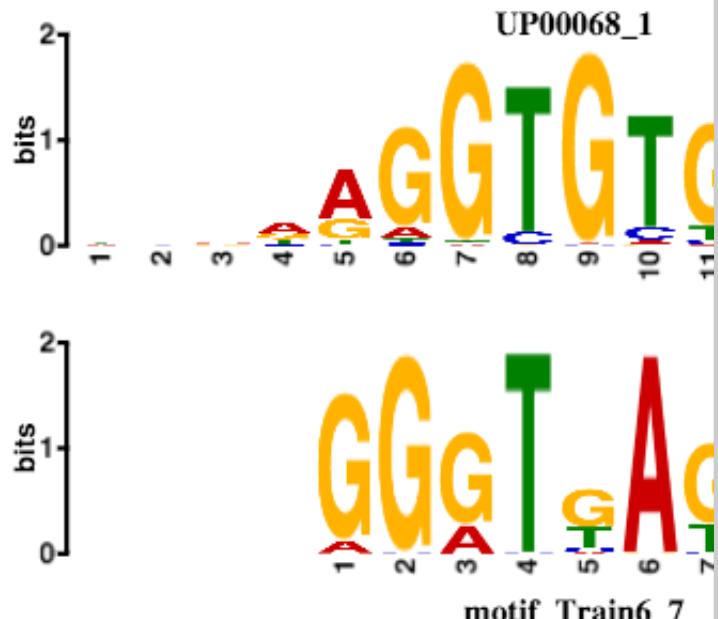
Alignment

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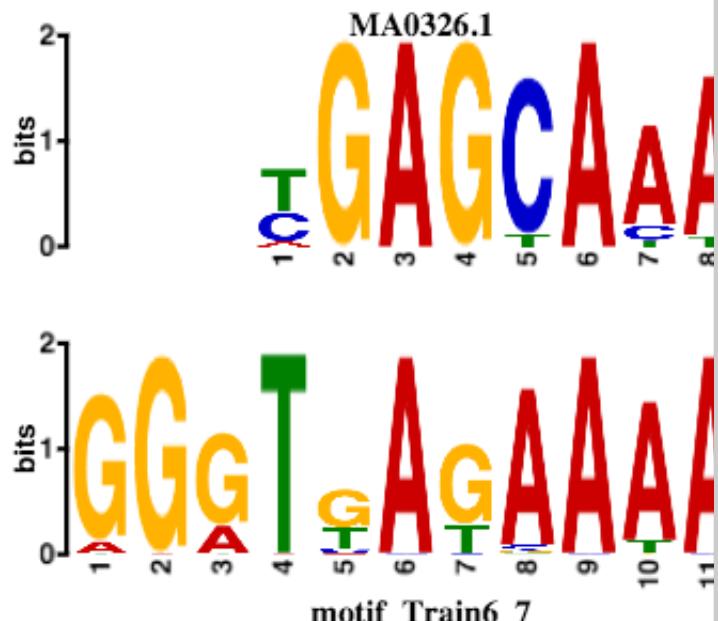
TOMTOM

**MATCHES TO MOTIF_TRAIN6_7 (9-GGGTGAGAAAAAA)**[Previous](#) [Next](#) [Top](#)**Summary**

Name	UP00068_1 (Eomes_primary)
Database	uniprobe mouse
p-value	1.08e-03
E-value	1.06e+00
q-value	1.00e+00
Overlap	12
Offset	4
Orientation	Normal

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

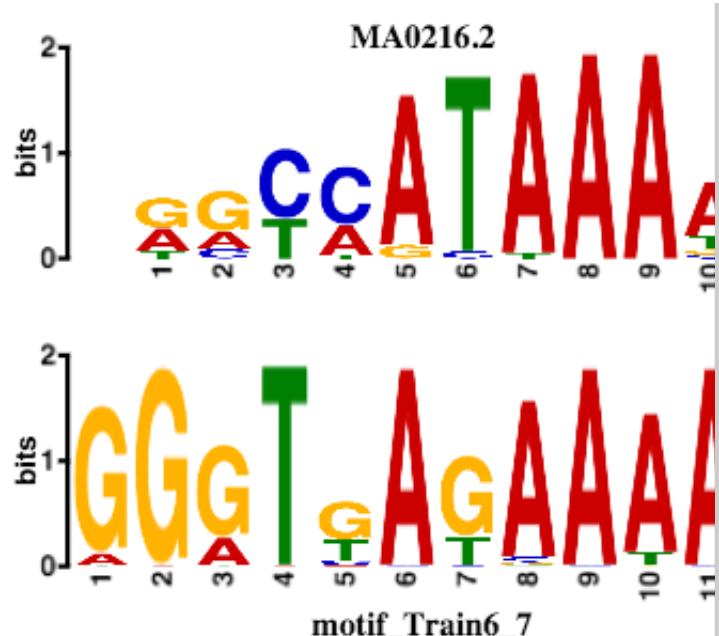
Name	MA0326.1 (MAC1)
Database	JASPAR CORE 2014
p-value	1.75e-03
E-value	1.71e+00
q-value	1.00e+00
Overlap	8
Offset	-3
Orientation	Reverse Complement

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

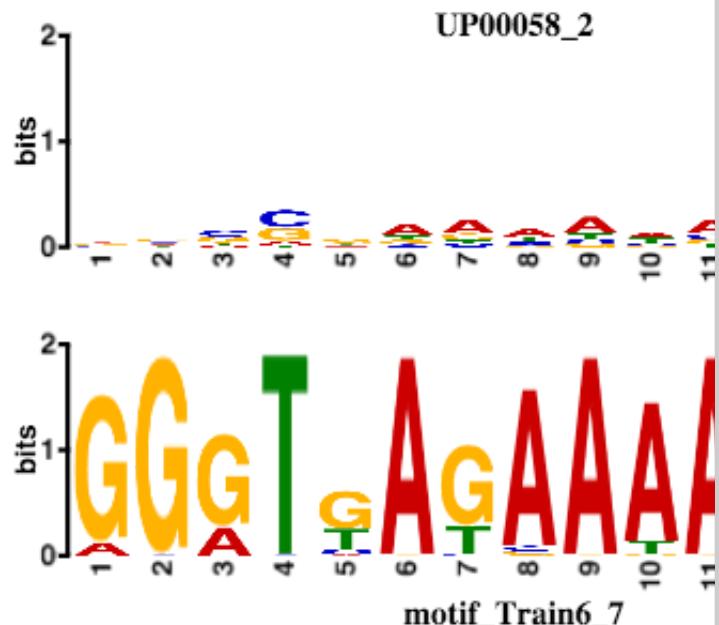
Name	MA0216.2 (CAD)
Database	JASPAR CORE 2014

Alignment

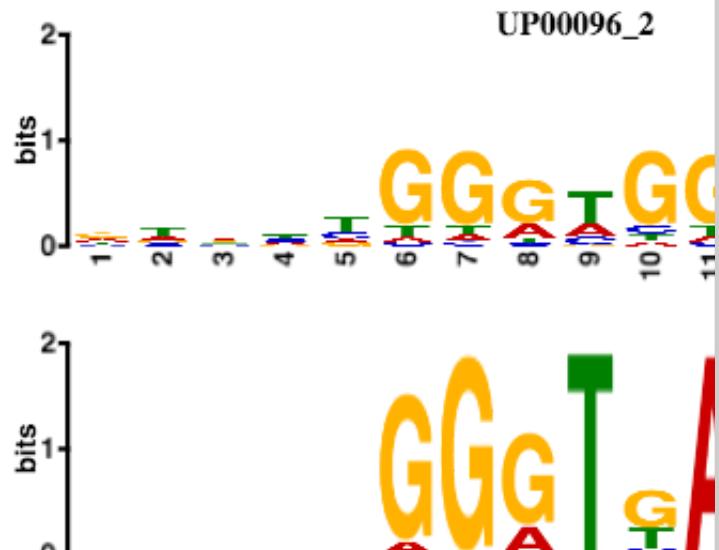
p-value	2.59e-03
E-value	2.53e+00
q-value	1.00e+00
Overlap	11
Offset	-1
Orientation	Normal

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

Name	UP00058_2 <i>(Tcf3 secondary)</i>
Database	uniprobe mouse
p-value	3.10e-03
E-value	3.04e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Normal

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

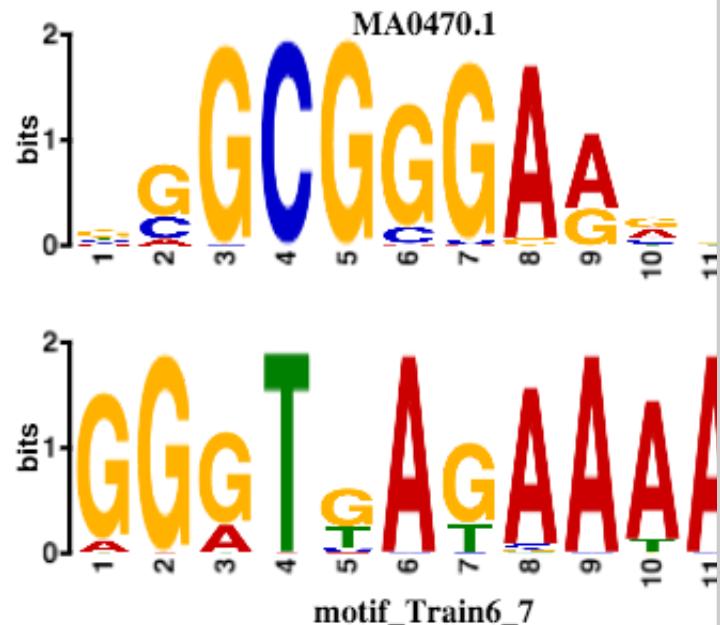
Name	UP00096_2 <i>(Sox13 secondary)</i>
Database	uniprobe mouse
p-value	4.40e-03
E-value	4.31e+00
q-value	1.00e+00
Overlap	12
Offset	5
Orientation	Normal

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

**Summary**

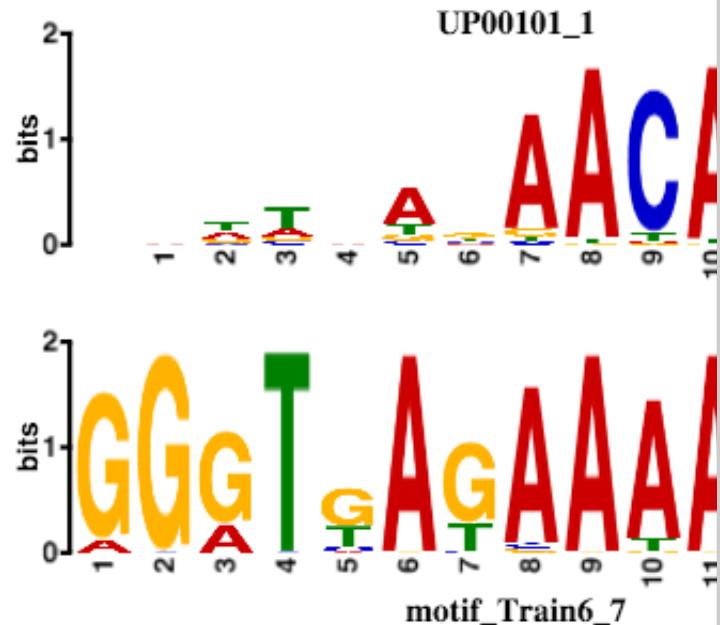
Name	MA0470.1 (E2F4)
Database	JASPAR CORE 2014
p-value	4.72e-03
E-value	4.62e+00
q-value	1.00e+00
Overlap	11
Offset	0
Orientation	Normal

[Show logo download options](#)

Alignment**Summary**

Name	UP00101_1 (Sox12 primary)
Database	uniprobe mouse
p-value	4.74e-03
E-value	4.64e+00
q-value	1.00e+00
Overlap	11
Offset	-1
Orientation	Reverse Complement

[Show logo download options](#)

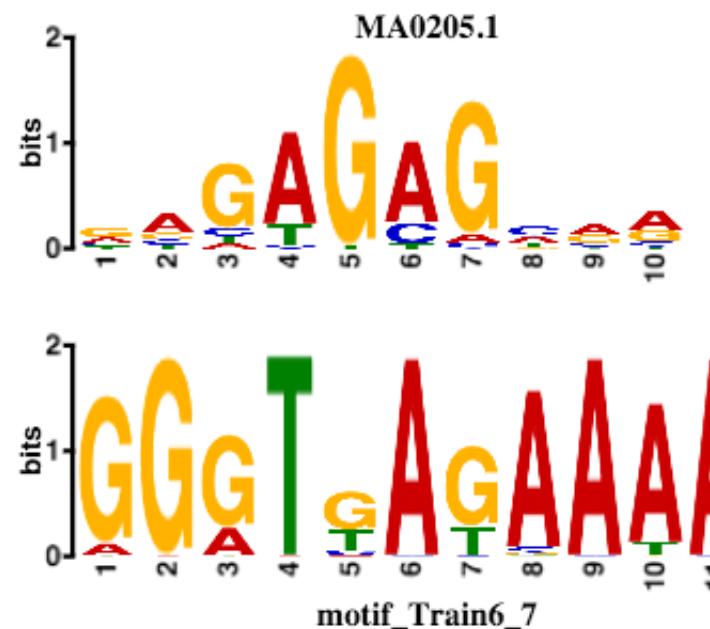
Alignment**Summary**

Name	MA0205.1 (Trl)
Database	JASPAR CORE 2014
p-value	5.15e-03
E-value	5.04e+00
q-value	1.00e+00

Alignment

Overlap 10
Offset 0
Orientation Reverse Complement

[Show logo download options](#)



Summary

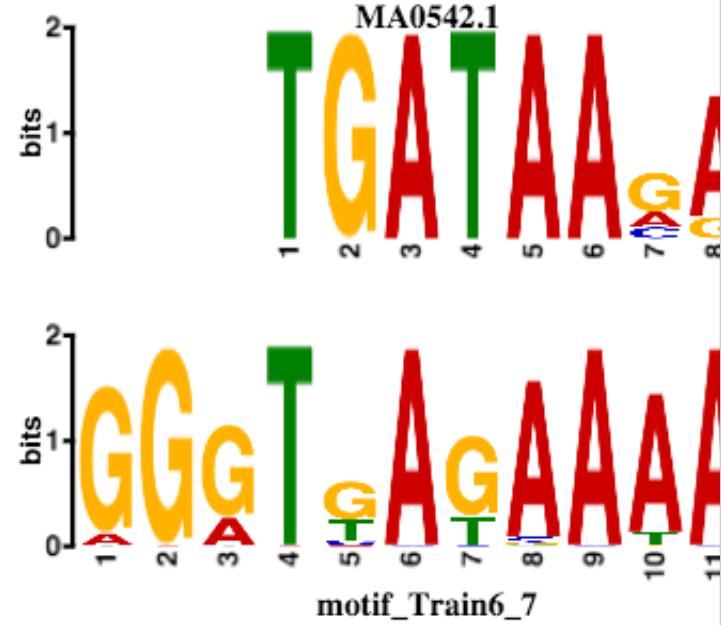
Name [MA0542.1 \(ELT-3\)](#)
Database JASPAR CORE 2014

p-value 5.31e-03
E-value 5.20e+00
q-value 1.00e+00

Overlap 8
Offset -3
Orientation Reverse Complement

[Show logo download options](#)

Alignment

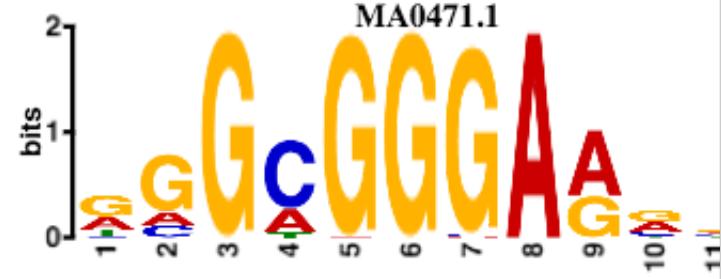


Summary

Name [MA0471.1 \(E2F6\)](#)
Database JASPAR CORE 2014

p-value 6.45e-03
E-value 6.31e+00
q-value 1.00e+00

Alignment



Overlap 11
Offset 0
Orientation Normal
[Show logo download options](#)

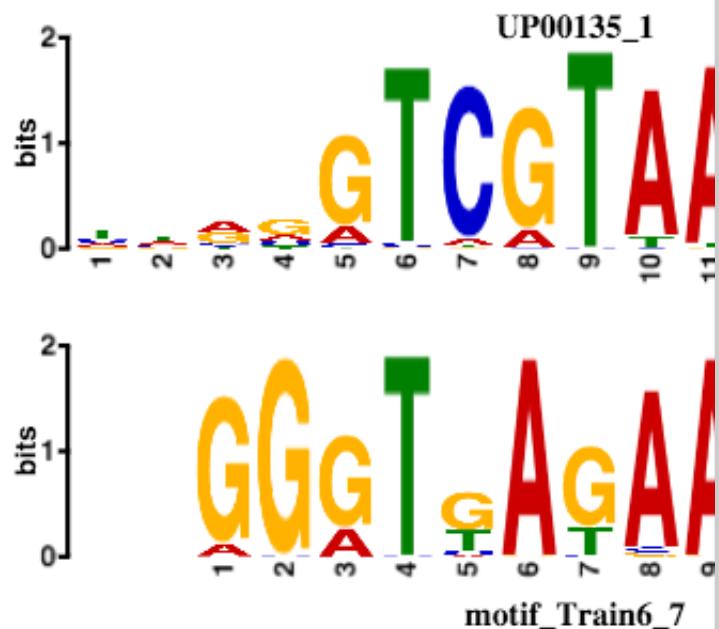
**Summary**

Name [UP00135_1](#)
(Hoxc12_3480.1)
Database uniprobe mouse

p-value 6.51e-03
E-value 6.37e+00
q-value 1.00e+00

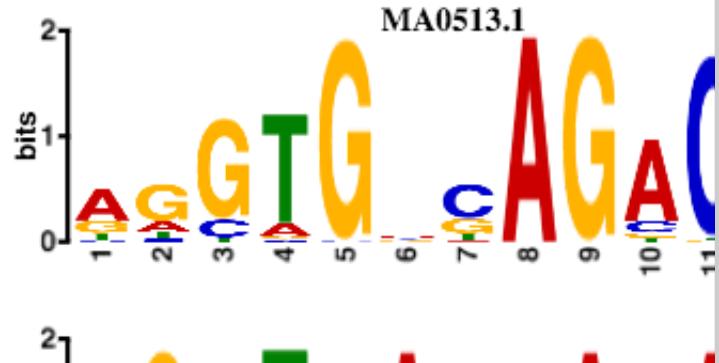
Overlap 12
Offset 2

Orientation Normal
[Show logo download options](#)

Alignment**Summary**

Name [MA0513.1](#)
(SMAD2::SMAD3::SMAD4)
Database JASPAR CORE 2014

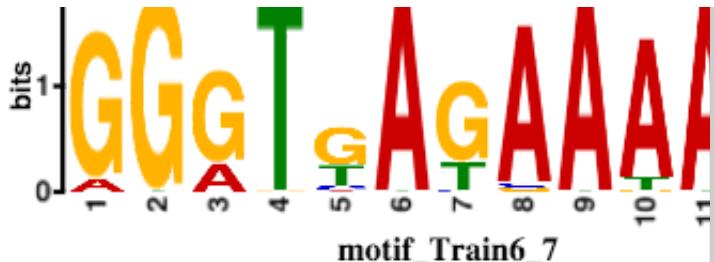
p-value 8.15e-03
E-value 7.97e+00
q-value 1.00e+00

Alignment

Overlap 12
Offset 0
Orientation Reverse Complement

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TOMTOM

**Summary**

Name [MA0482.1 \(Gata4\)](#)
Database JASPAR CORE 2014

p-value 8.34e-03
E-value 8.16e+00
q-value 1.00e+00

Overlap 11
Offset 0
Orientation Reverse Complement

[Show logo download options](#)

Alignment**Summary**

Name [UP00046_1 \(Tcfe2a_primary\)](#)
Database uniprobe mouse

p-value 8.37e-03
E-value 8.20e+00
q-value 1.00e+00

Overlap 11
Offset 6
Orientation Normal

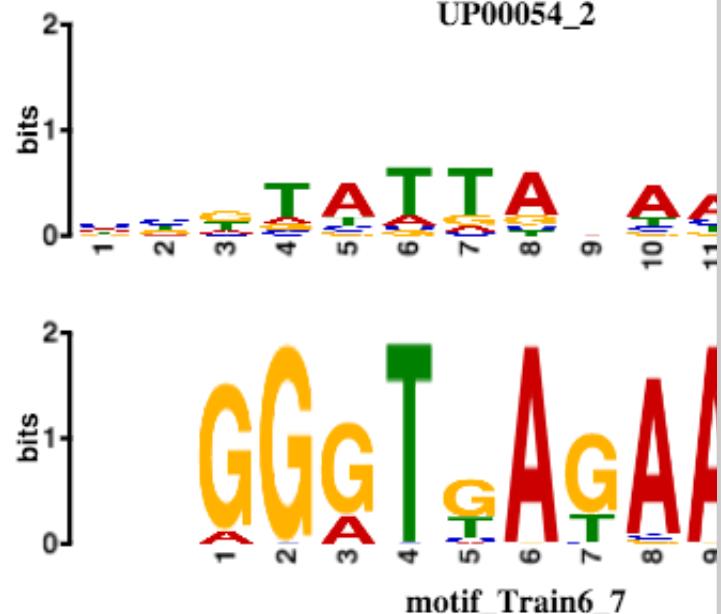
[Show logo download options](#)

Alignment

Summary

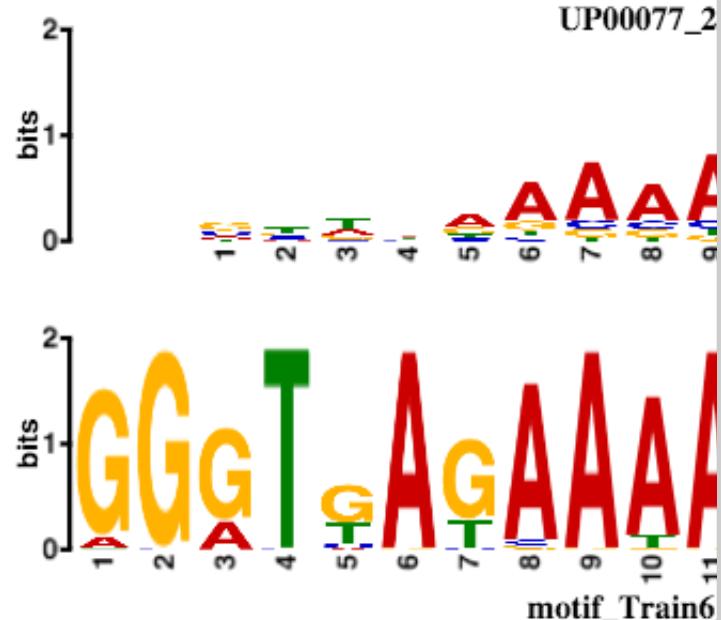
Name	UP00054_2 (Tcf7 secondary)
Database	uniprobe mouse
p-value	8.64e-03
E-value	8.45e+00
q-value	1.00e+00
Overlap	12
Offset	2
Orientation	Normal

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Alignment**Summary**

Name	UP00077_2 (Srf secondary)
Database	uniprobe mouse
p-value	9.87e-03
E-value	9.67e+00
q-value	1.00e+00
Overlap	10
Offset	-2
Orientation	Normal

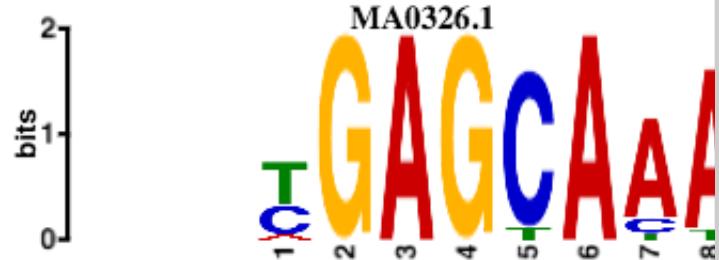
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Alignment**MATCHES TO MOTIF_TRAIN8_7 (9-GGGTGAKCAAAA)**[Previous](#) [Next](#) [Top](#)**Summary**

Name	MA0326.1 (MAC1)
Database	JASPAR CORE 2014
p-value	3.02e-05
E-value	2.95e-02
q-value	5.91e-02

Alignment

Overlap 8
Offset -3
Orientation Reverse Complement
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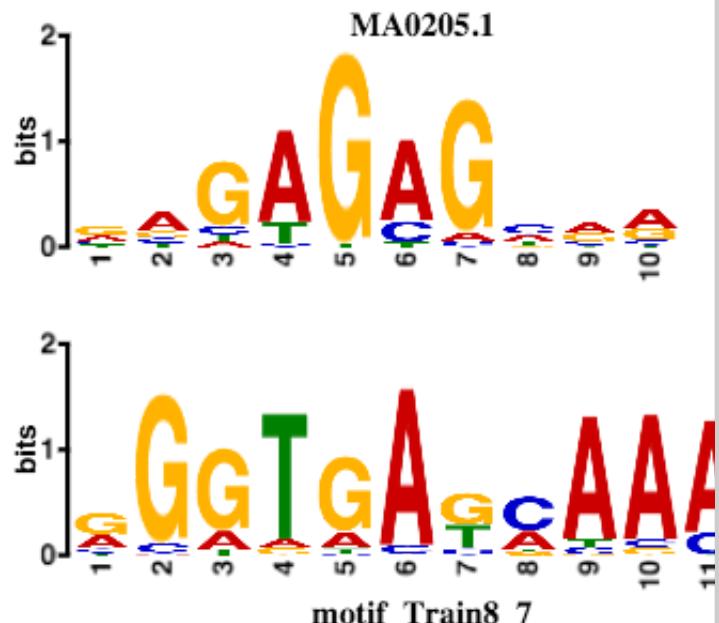
Summary

Name [MA0205.1 \(Trl\)](#)
Database JASPAR CORE 2014

p-value 8.86e-04
E-value 8.67e-01
q-value 8.67e-01

Overlap 10
Offset 0
Orientation Reverse Complement
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Alignment



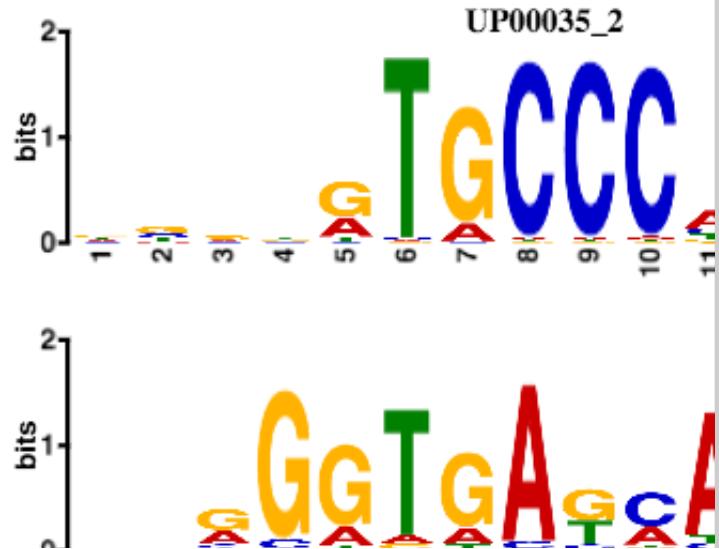
Summary

Name [UP00035_2 \(Hic1 secondary\)](#)
Database uniprobe mouse

p-value 1.93e-03
E-value 1.89e+00
q-value 9.63e-01

Overlap 12
Offset 2
Orientation Normal
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Alignment

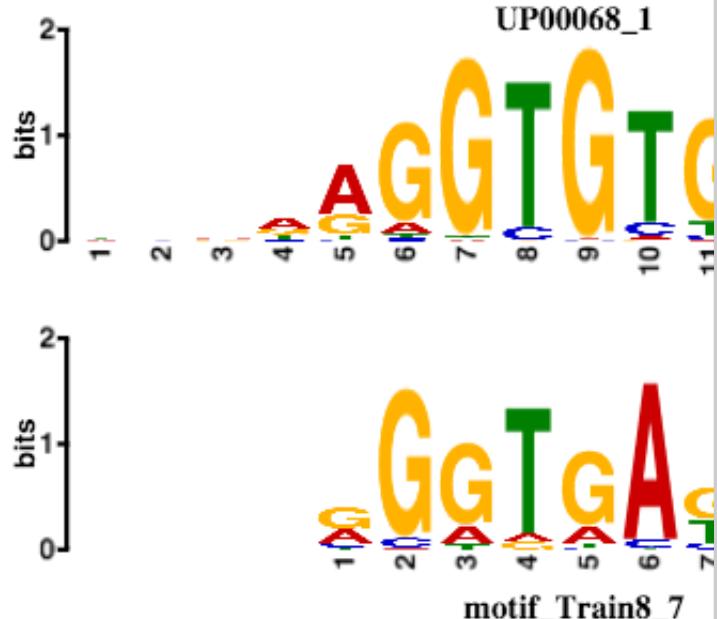




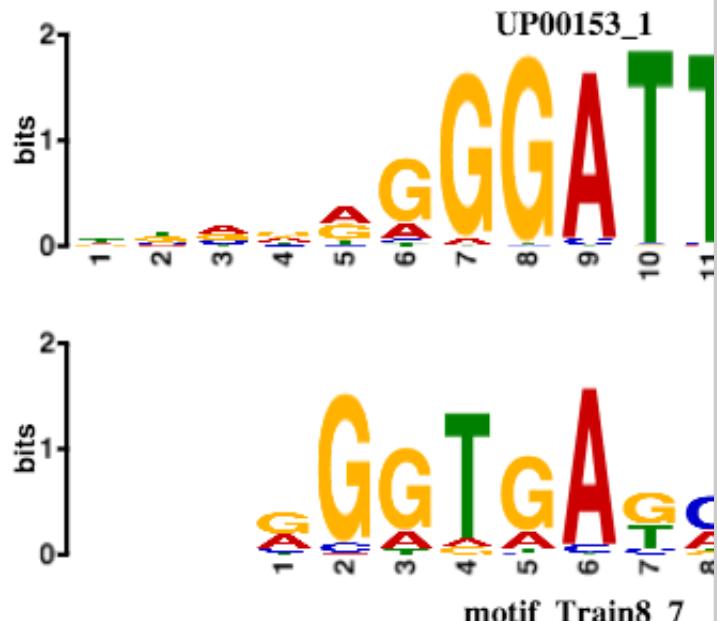
motif_Train8_7

Summary

Name	UP00068_1 (Eomes_primary)
Database	uniprobe mouse
p-value	2.37e-03
E-value	2.32e+00
q-value	9.63e-01
Overlap	12
Offset	4
Orientation	Normal

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

Name	UP00153_1 (Pitx1_2312.1)
Database	uniprobe mouse
p-value	3.29e-03
E-value	3.22e+00
q-value	9.63e-01
Overlap	12
Offset	3
Orientation	Normal

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

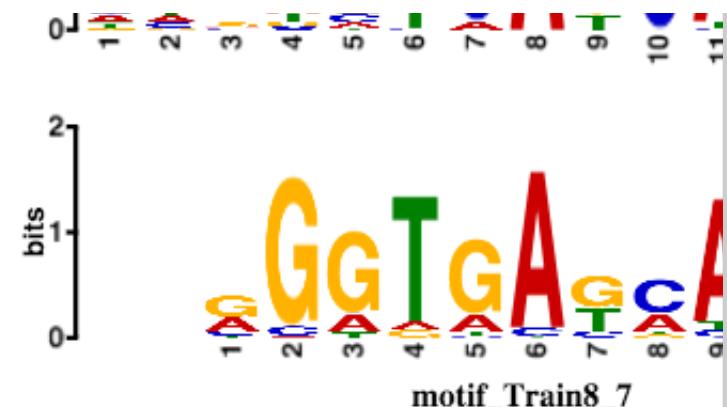
Name	MA0496.1 (MAFK)
Database	JASPAR CORE 2014
p-value	4.07e-03
E-value	3.99e+00

Alignment

p-value 5.93e-03
q-value 9.63e-01

Overlap 12
Offset 2
Orientation Normal
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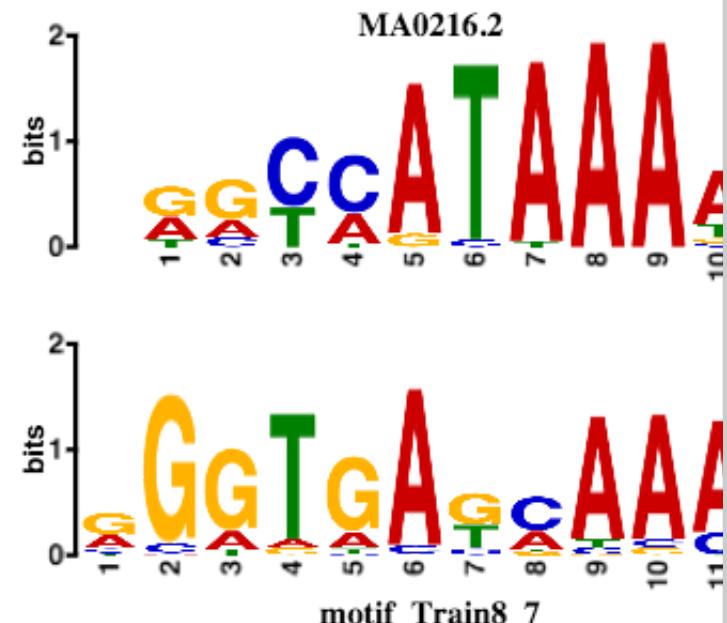
TOMTOM

**Summary**

Name [MA0216.2 \(CAD\)](#)
Database JASPAR CORE 2014

p-value 5.88e-03
E-value 5.76e+00
q-value 9.63e-01

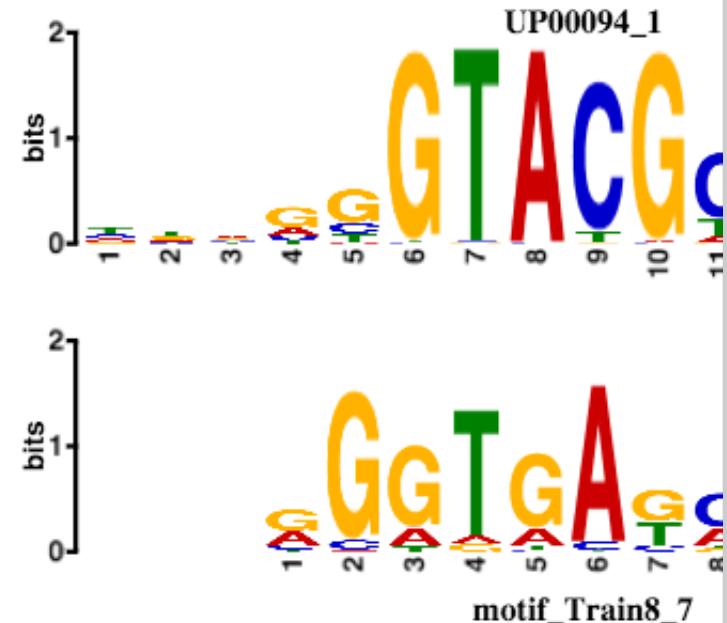
Overlap 11
Offset -1
Orientation Normal
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Alignment**Summary**

Name [UP00094_1](#)
Database uniprobe mouse

p-value 5.93e-03
E-value 5.81e+00
q-value 9.63e-01

Overlap 12
Offset 3
Orientation Reverse Complement
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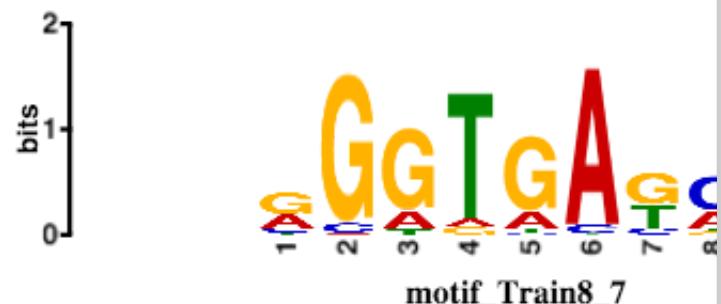
Alignment**Summary****Alignment**

Name [MAU481.1 \(FOXP1\)](#)
Database JASPAR CORE 2014

p-value 6.60e-03
E-value 6.46e+00
q-value 9.63e-01

Overlap 12
Offset 3
Orientation Normal

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Summary

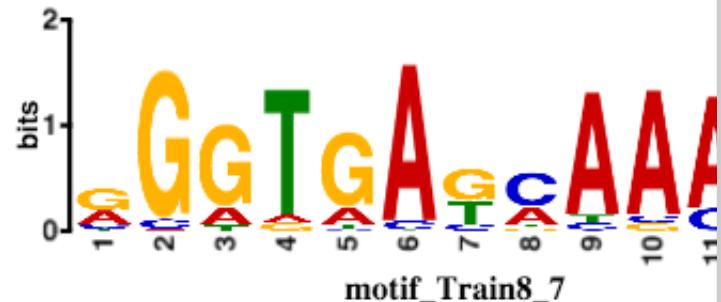
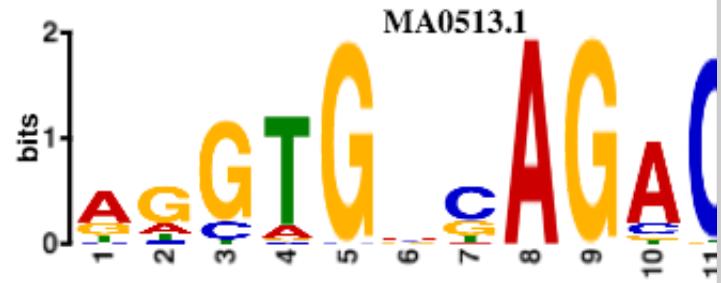
Name [MA0513.1 \(SMAD2::SMAD3::SMAD4\)](#)
Database JASPAR CORE 2014

p-value 7.42e-03
E-value 7.26e+00
q-value 9.63e-01

Overlap 12
Offset 0
Orientation Reverse Complement

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Alignment



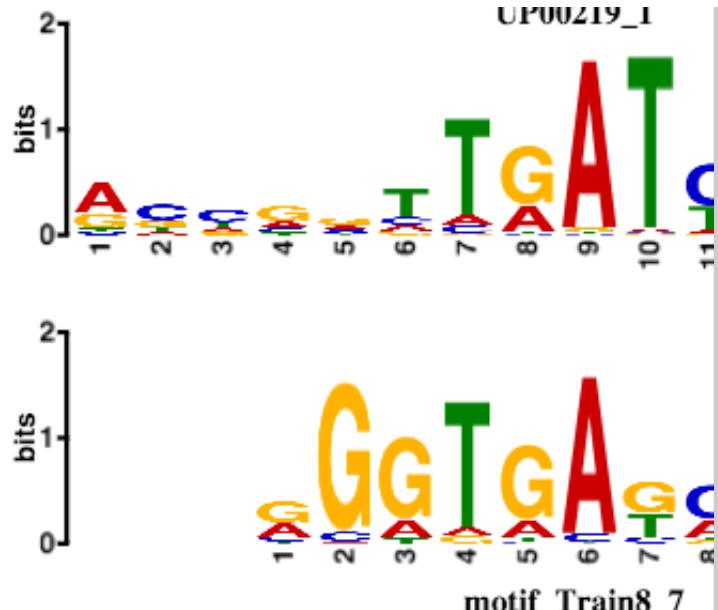
Summary

Alignment

Name	UP00219_1 (Cutl1_3494.1)
Database	uniprobe mouse
p-value	8.04e-03
E-value	7.88e+00
q-value	9.63e-01
Overlap	12
Offset	3
Orientation	Normal

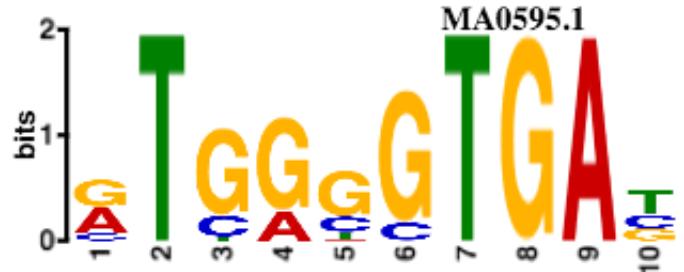
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TOMTOM

**Summary****Alignment**

Name	MA0595.1 (SREBF1)
Database	JASPAR CORE 2014
p-value	8.16e-03
E-value	7.99e+00
q-value	9.63e-01
Overlap	7
Offset	3
Orientation	Reverse Complement

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**Summary****Alignment**

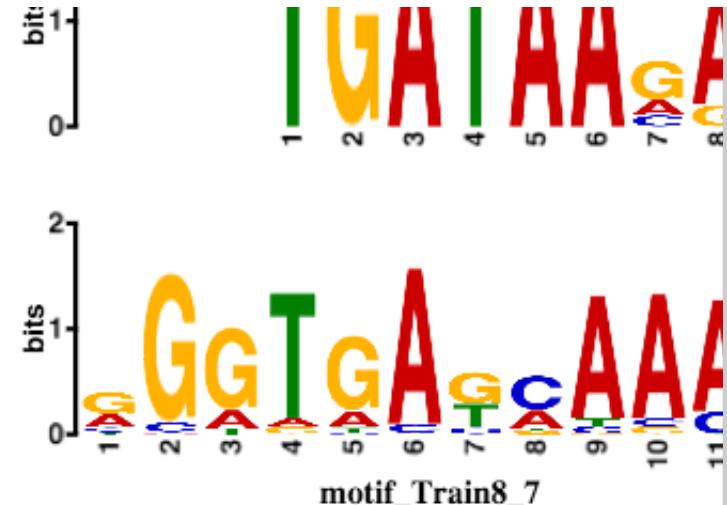
Name	MA0542.1 (ELT-3)
Database	JASPAR CORE 2014



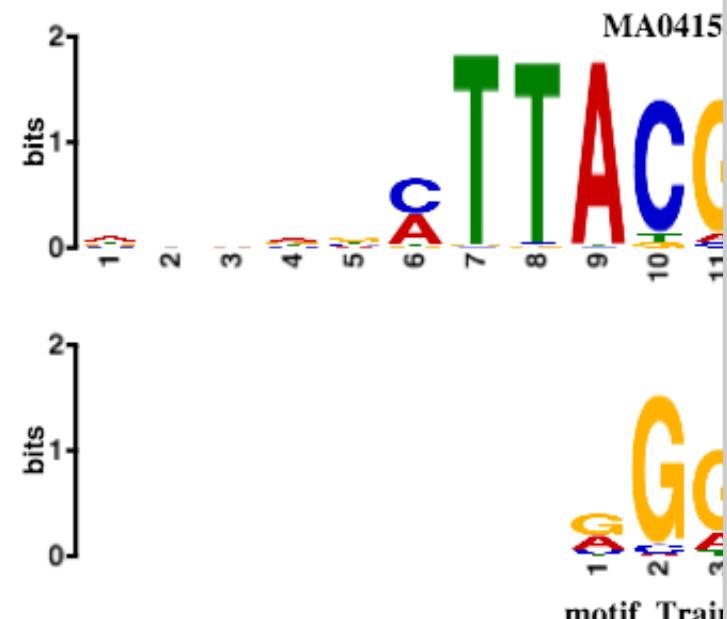
p-value	8.48e-03
E-value	8.30e+00
q-value	9.63e-01
Overlap	8
Offset	-3
Orientation	Reverse Complement

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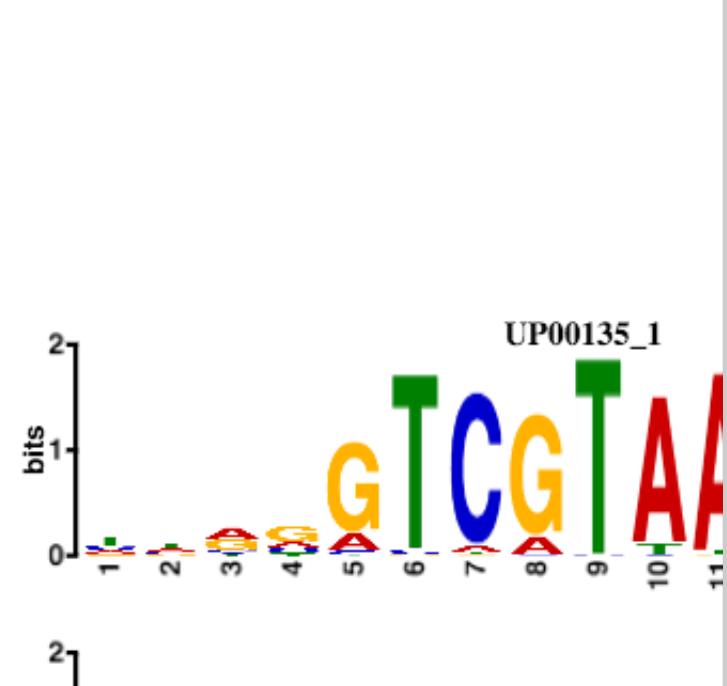
TOMTOM

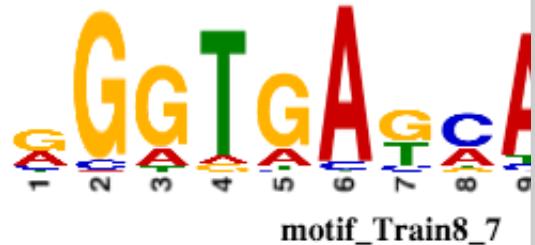
**Summary**

Name	MA0415.1 (YAP1)
Database	JASPAR CORE 2014
p-value	8.81e-03
E-value	8.63e+00
q-value	9.63e-01
Overlap	12
Offset	8
Orientation	Reverse Complement

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

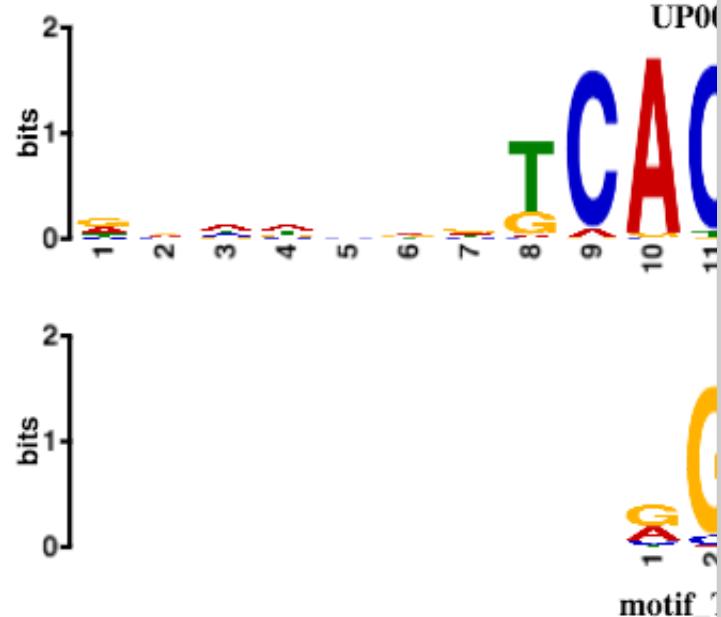
Name	UP00135_1 (Hoxc12_3480.1)
Database	uniprobe mouse
p-value	9.14e-03
E-value	8.95e+00
q-value	9.63e-01
Overlap	12
Offset	2
Orientation	Normal

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

**Summary**

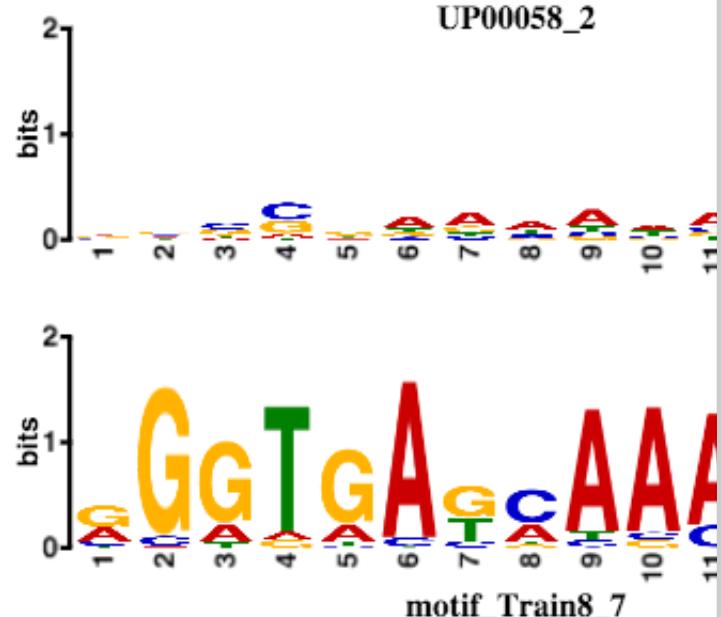
Name	UP00050_1 (<i>Bhlhb2</i> primary)
Database	uniprobe mouse
p-value	9.25e-03
E-value	9.06e+00
q-value	9.63e-01
Overlap	12
Offset	9
Orientation	Normal

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Alignment**Summary**

Name	UP00058_2 (<i>Tcf3</i> secondary)
Database	uniprobe mouse
p-value	9.66e-03
E-value	9.45e+00
q-value	9.63e-01
Overlap	12
Offset	0
Orientation	Normal

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Alignment**Summary**

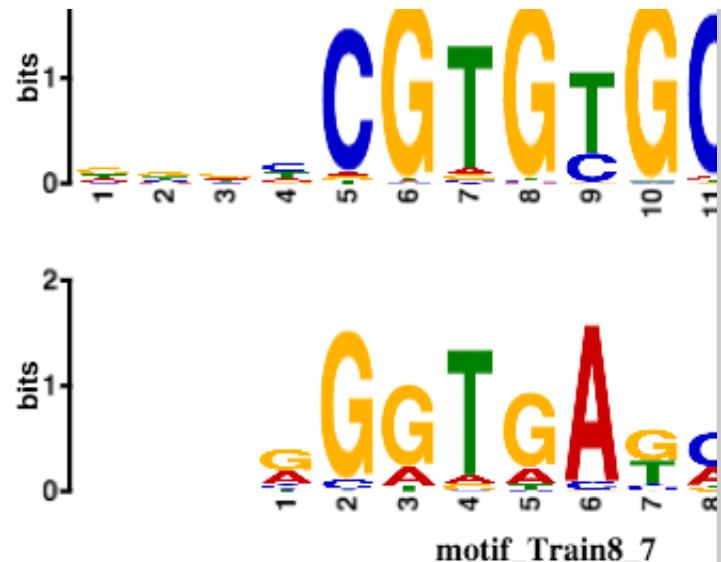
Name	UP00097_1 (<i>Mtf1</i> primary)
Database	uniprobe mouse
p-value	9.72e-03

Alignment

E-value	9.52e+00
q-value	9.63e-01
Overlap	12
Offset	3
Orientation	Normal

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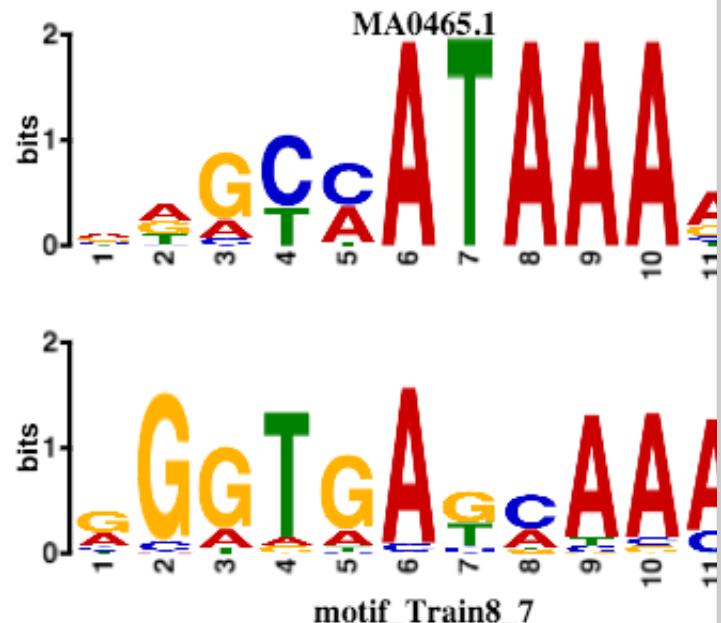


Summary

Name	MA0465.1 (CDX2)
Database	JASPAR CORE 2014
p-value	9.93e-03
E-value	9.72e+00
q-value	9.63e-01
Overlap	11
Offset	0
Orientation	Normal

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Alignment



SETTINGS

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Background

Name	Bg.	Bg.	Name
Adenine	0.250	A	Thymine
Cytosine	0.250	C	Guanine

Other Settings

Strand Handling	Motifs may be reverse complemented before comparison to find a better match.
Distance Measure	Pearson correlation coefficient
Match Threshold	Matches must have a E-value of 10 or smaller.

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_group2.txt
```

Result calculation took 10.606 seconds

