



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 group3	motif_10_11	11-AGAGAAAAGGCG		11	UP0003 MA0482
motif group3	motif_Train1_11	13-GAGAAAAGGCGA		8	UP0008 MA0459
motif group3	motif_Train2_10	12-AGAGAAAAGGCG		8	MA0035 UP0003
motif group3	motif_Train3_11	13-GAGAAAAGGCGA		8	UP0008 MA0459
motif group3	motif_Train4_11	12-GAGAAAAGGCGA		7	UP0008 MA0459
motif group3	motif_Train5_10	11-AGAGAAAAGGCG		8	MA0035 UP0003
motif group3	motif_Train6_11	12-GAGAAAAGGYKA		9	MA0452 MA0065
motif group3	motif_Train7_10	11-AGAGAAAAGTCG		7	UP0008 UP0003
motif group3	motif_Train8_10	11-GAGAAAAGGCGA		8	UP0008 MA0459

motif
group3

motif_Train9_10

11-
AGAGAAAAGGCG

TOMTOM



8

UP0003

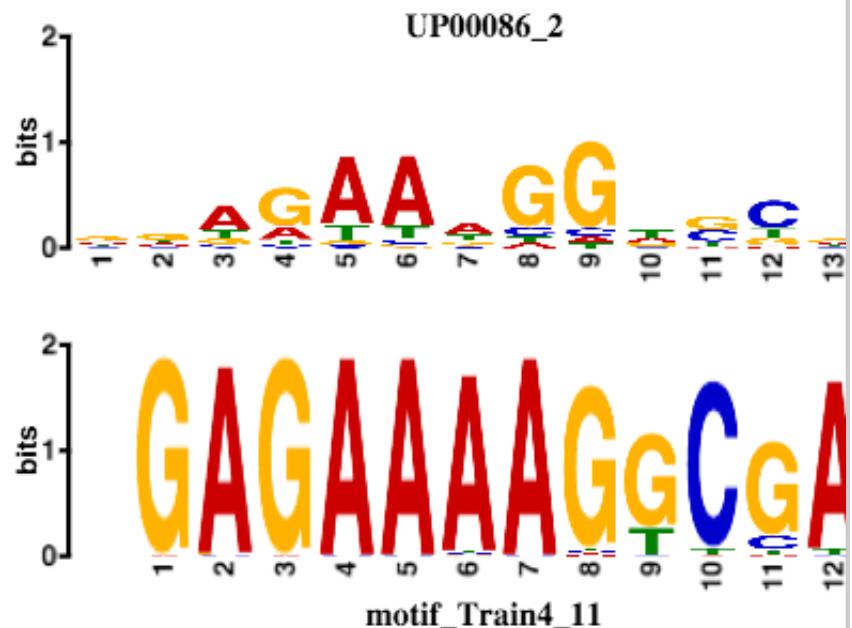
MA0035

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

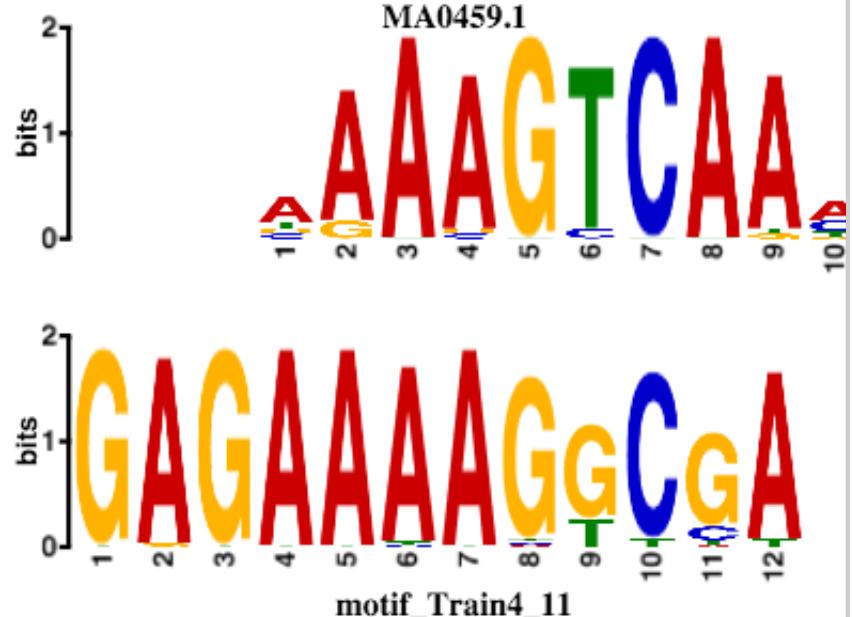
Database	Used	Matched
uniprobe mouse	386	4
JASPAR CORE 2014	593	15

MATCHES TO MOTIF_TRAIN4_11 (12-GAGAAAAGGCGA)[Previous](#) [Next](#) [Top](#)**Summary****Alignment**

Name	UP00086_2 (Irf3 secondary)
Database	uniprobe mouse
p-value	3.34e-03
E-value	3.27e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal

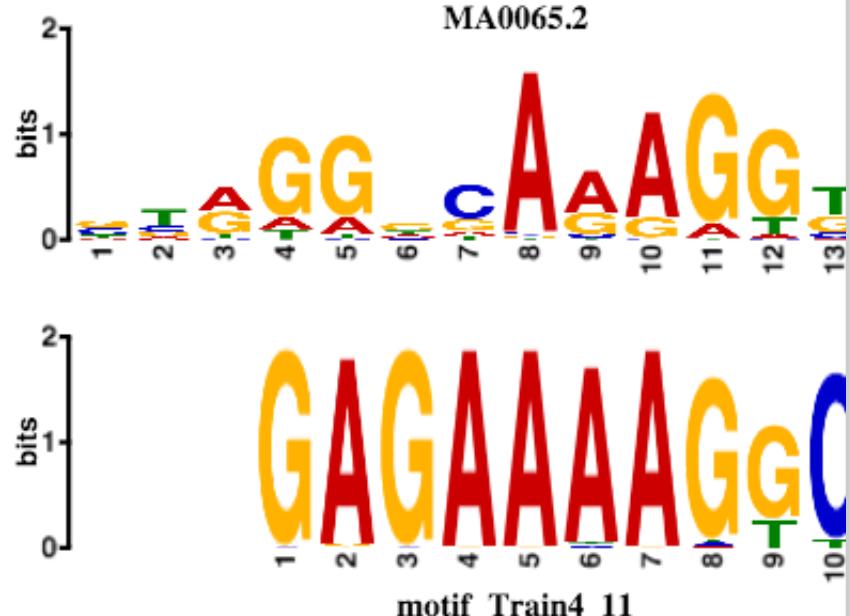
[Show logo](#) [download options](#)**Summary****Alignment**

Name	MA0459.1 (tll)
Database	JASPAR CORE 2014
p-value	4.86e-03
E-value	4.76e+00
q-value	1.00e+00
Overlap	9
Offset	-3
Orientation	Normal

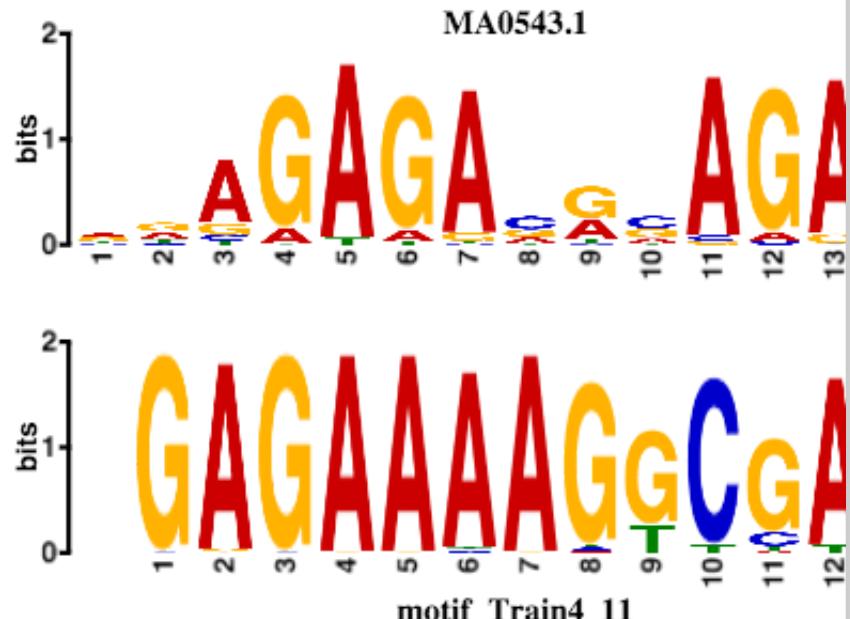
[Show logo](#) [download options](#)

Summary

Name	MA0065.2 (PPARG::RXRA)
Database	JASPAR CORE 2014
p-value	6.08e-03
E-value	5.96e+00
q-value	1.00e+00
Overlap	12
Offset	3
Orientation	Normal

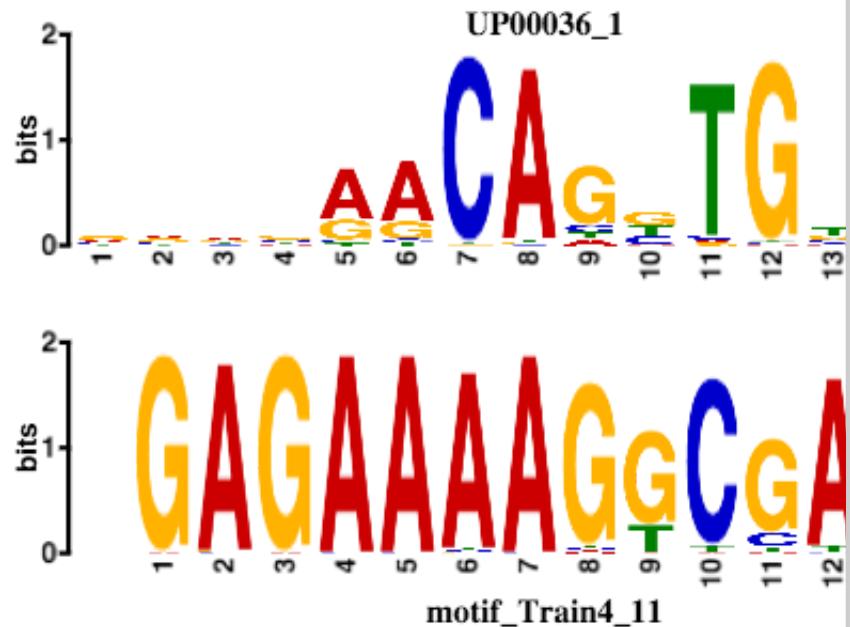
[Show logo download options](#)**Alignment****Summary**

Name	MA0543.1 (EOR-1)
Database	JASPAR CORE 2014
p-value	6.08e-03
E-value	5.96e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal

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

Name	UP00036_1 (Myf6_primary)
Database	uniprobe mouse
p-value	7.03e-03
E-value	6.88e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal

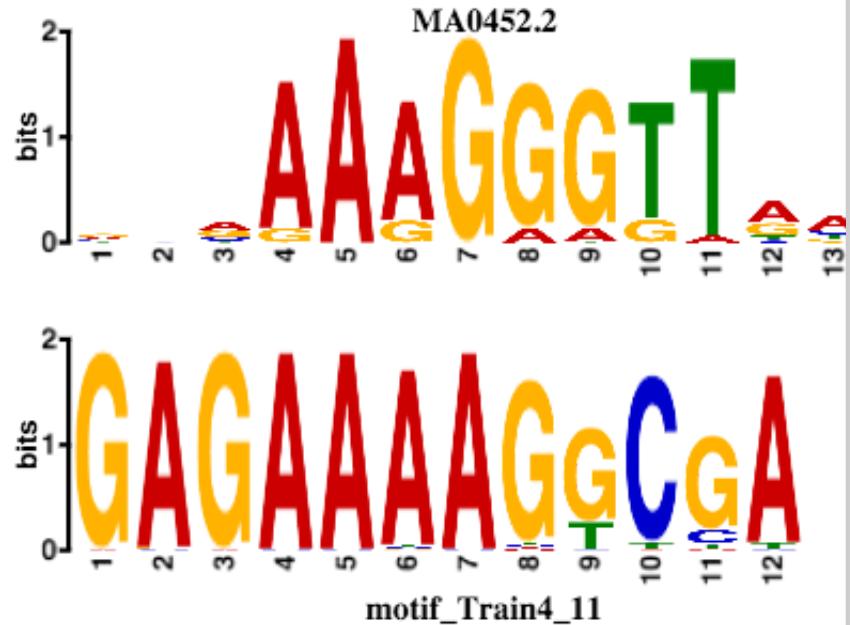
Alignment

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

Name [MA0452.2 \(KR\)](#)
Database JASPAR CORE
2014

p-value 8.56e-03
E-value 8.38e+00
q-value 1.00e+00

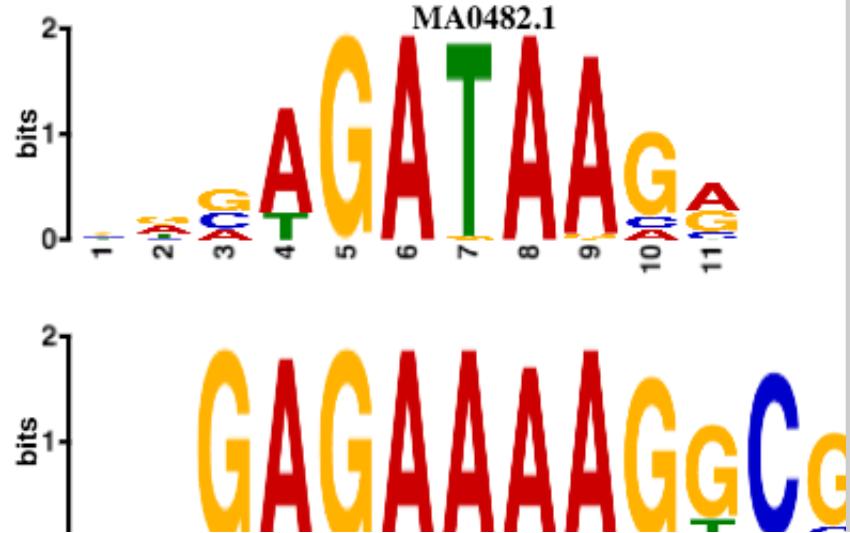
Overlap 12
Offset 0
Orientation Reverse Complement

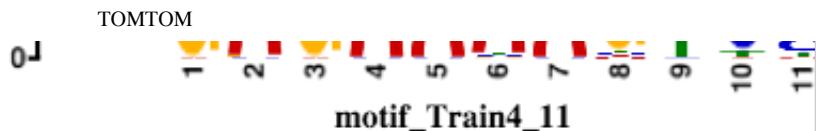
[Show logo download options](#)**Alignment****Summary**

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

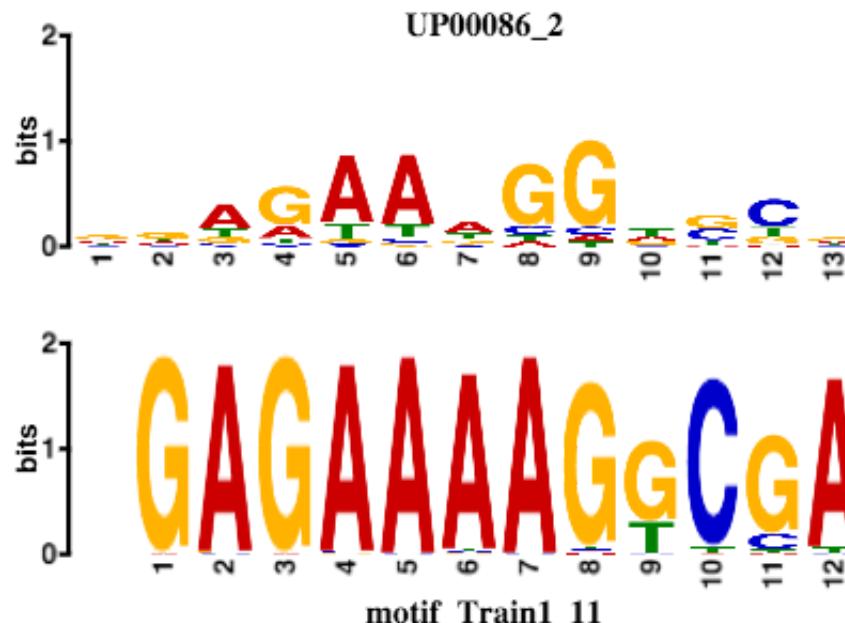
p-value 1.01e-02
E-value 9.86e+00
q-value 1.00e+00

Overlap 9
Offset 2
Orientation Reverse Complement

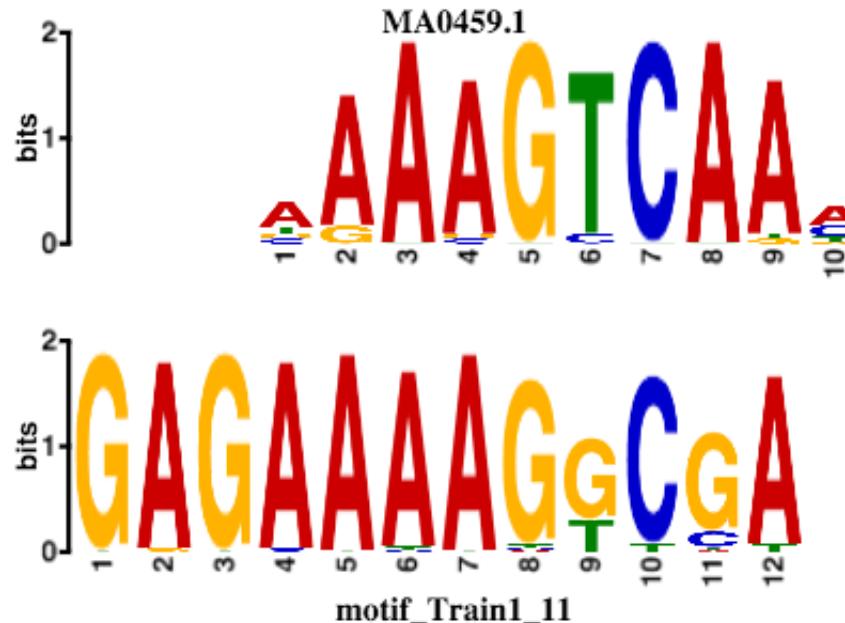
Alignment

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Name	UP00086_2 (Irf3 secondary)
Database	uniprobe mouse
p-value	2.71e-03
E-value	2.65e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal

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

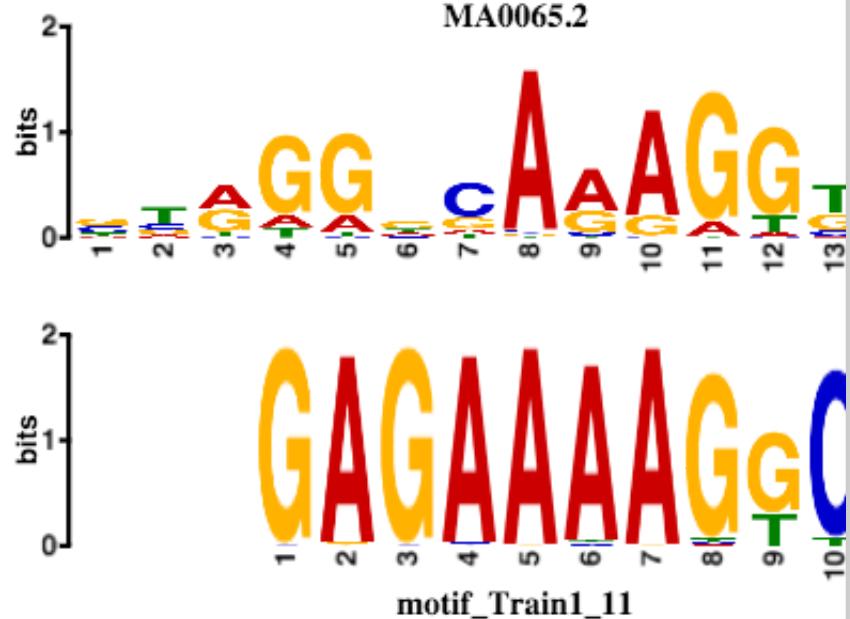
Name	MA0459.1 (tll)
Database	JASPAR CORE 2014
p-value	3.91e-03
E-value	3.83e+00
q-value	1.00e+00
Overlap	9
Offset	-3
Orientation	Normal

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

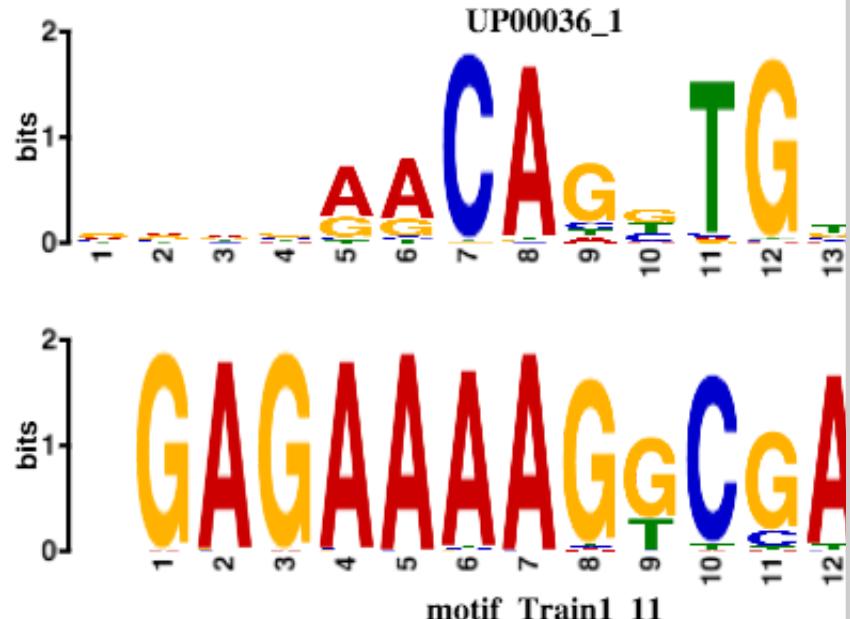
Name	MA0065.2 (PPARG::RXRA)
Database	JASPAR CORE 2014

Alignment

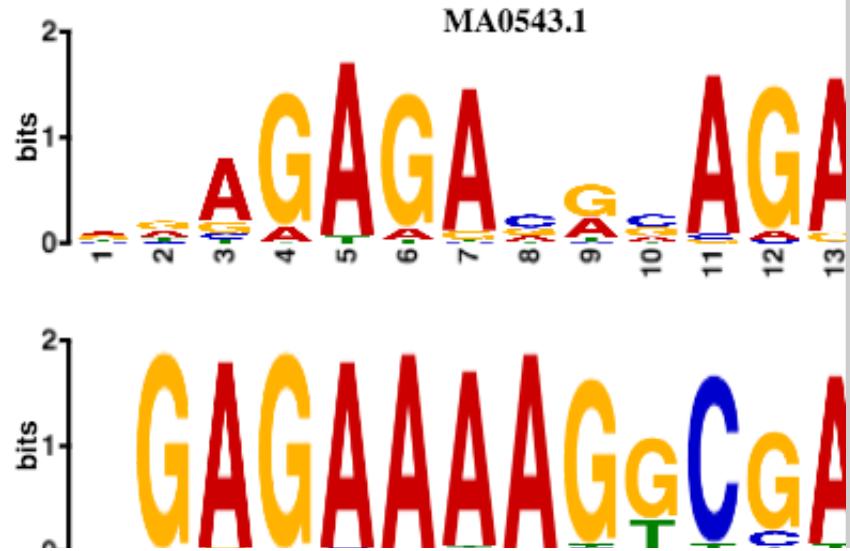
p-value	6.14e-03
E-value	6.01e+00
q-value	1.00e+00
Overlap	12
Offset	3
Orientation	Normal

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

Name	UP00036_1 (Myf6_primary)
Database	uniprobe mouse
p-value	6.81e-03
E-value	6.67e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal

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

Name	MA0543.1 (EOR-1)
Database	JASPAR CORE 2014
p-value	7.22e-03
E-value	7.07e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal

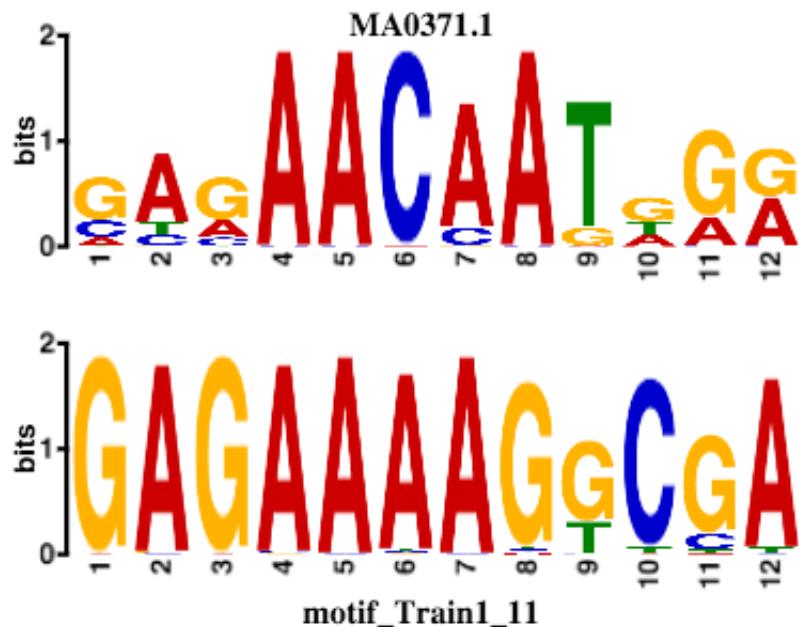
[Show logo download options](#)**Alignment**



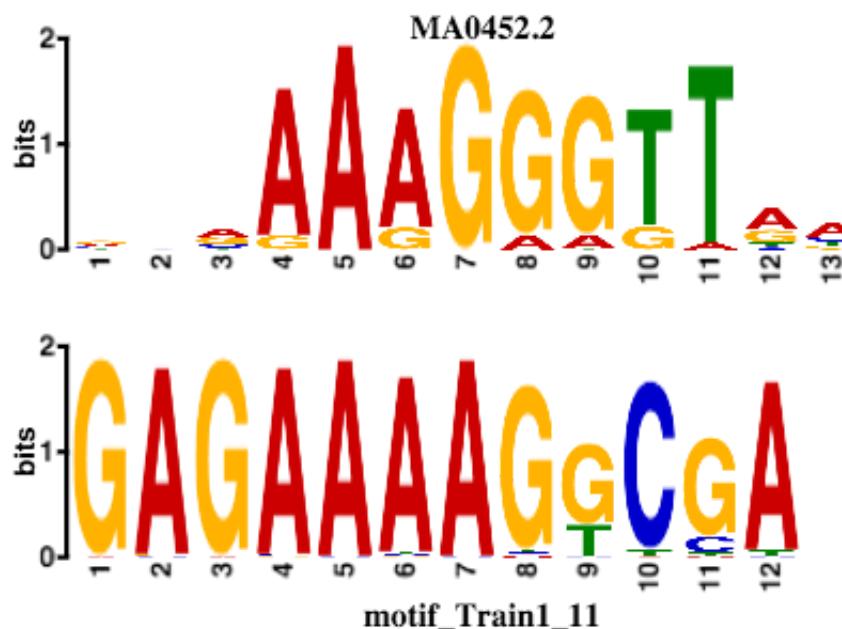
motif_Train1_11

Summary**Alignment**

Name	MA0371.1 (ROX1)
Database	JASPAR CORE 2014
p-value	9.19e-03
E-value	9.00e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Reverse Complement

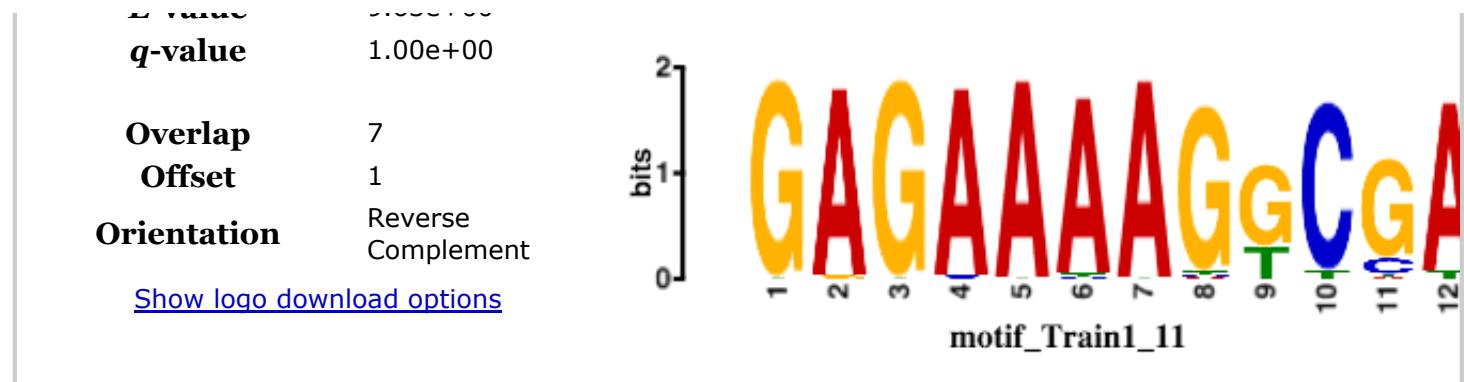
[Show logo download options](#)**Summary****Alignment**

Name	MA0452.2 (KR)
Database	JASPAR CORE 2014
p-value	9.75e-03
E-value	9.55e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Reverse Complement

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

Name	MA0326.1 (MAC1)
Database	JASPAR CORE 2014
p-value	9.84e-03
E-value	9.63e+00





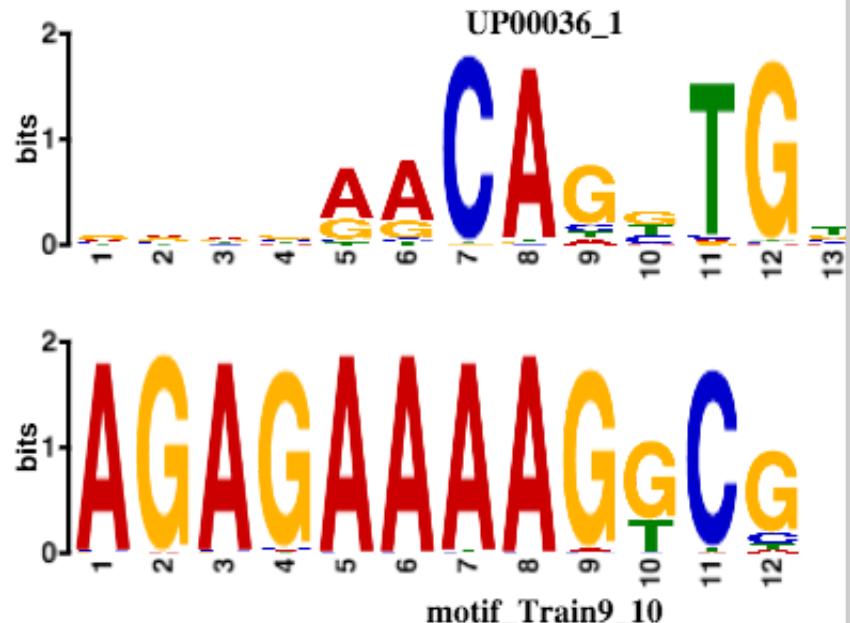
MATCHES TO MOTIF_TRAIN9_10 (11-AGAGAAAAAGGCG)

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Summary

Name	UP00036_1 (Myf6 primary)
Database	uniprobe mouse
p-value	2.49e-03
E-value	2.44e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Normal
Show logo download options	

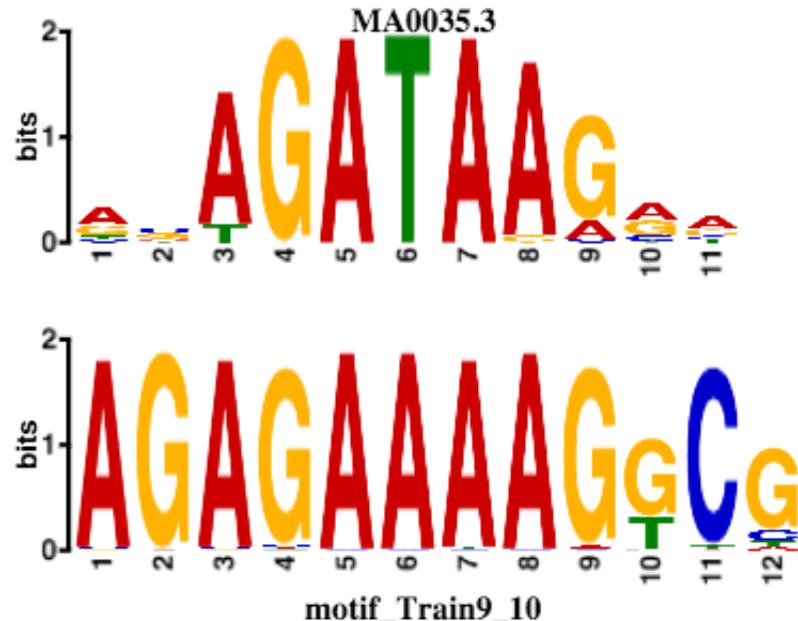
Alignment



Summary

Name	MA0035.3 (Gata1)
Database	JASPAR CORE 2014
p-value	2.58e-03
E-value	2.53e+00
q-value	1.00e+00
Overlap	11
Offset	0
Orientation	Reverse Complement
Show logo download options	

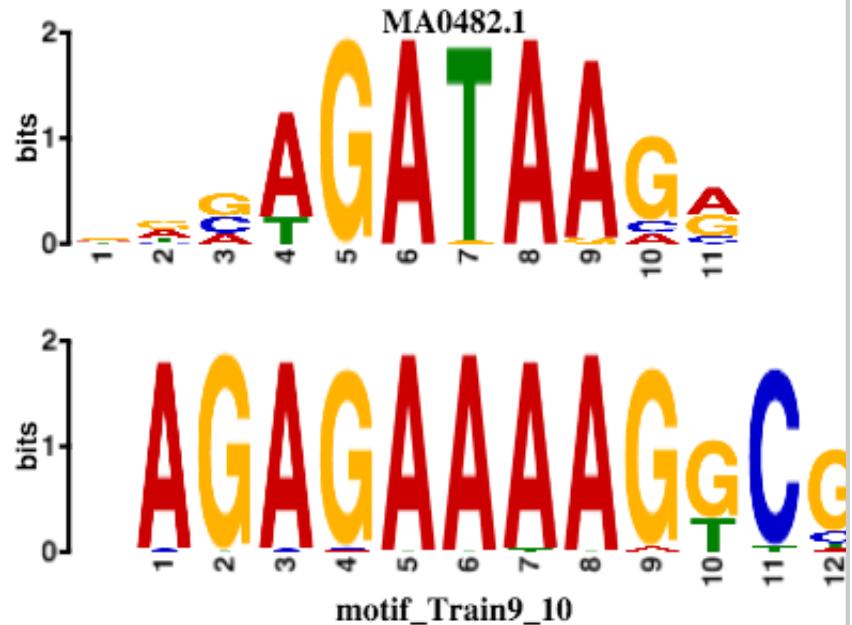
Alignment



Summary

Alignment

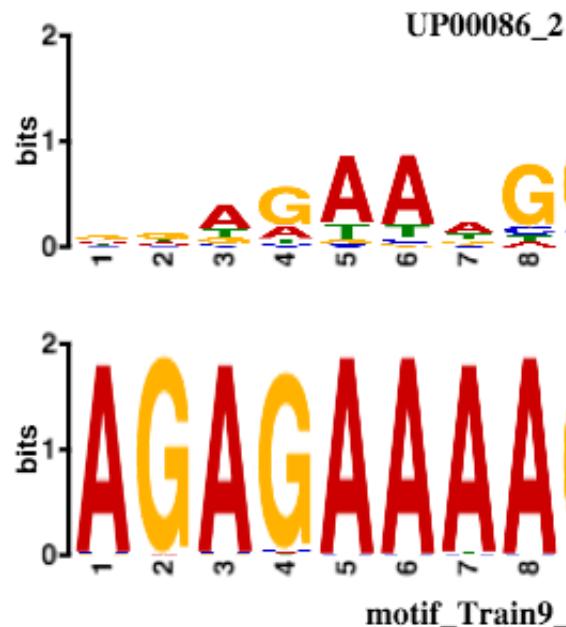
Name	MA0482.1 (Gata4)
Database	JASPAR CORE 2014
p-value	3.59e-03
E-value	3.51e+00
q-value	1.00e+00
Overlap	10
Offset	1
Orientation	Reverse Complement
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Summary

Alignment

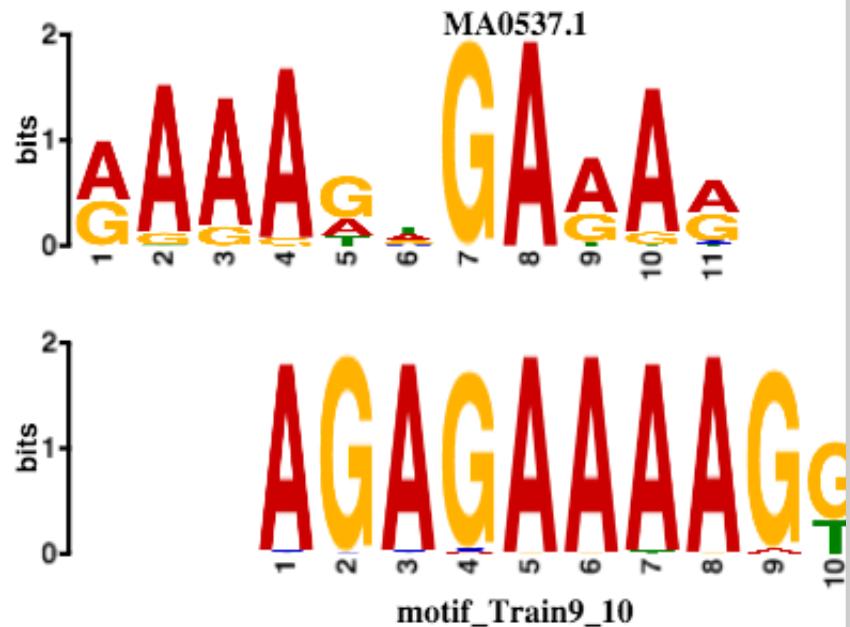
Name	UP00086_2 (Irf3 secondary)
Database	uniprobe mouse
p-value	4.25e-03
E-value	4.16e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Normal
Show logo download options	



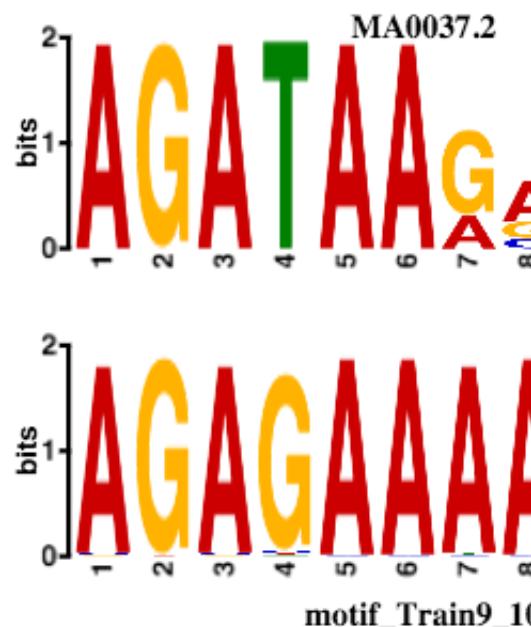
Summary

Alignment

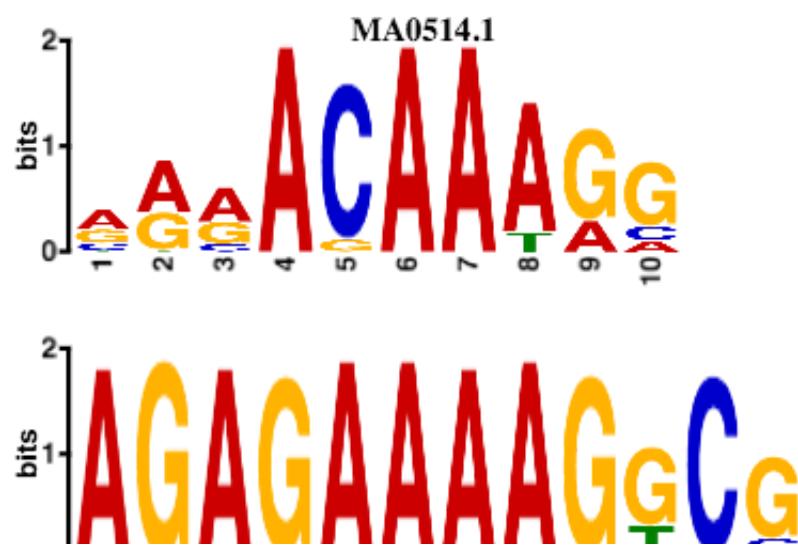
Name	MA0537.1 (BLMP-1)
Database	JASPAR CORE 2014
p-value	6.93e-03
E-value	6.78e+00
q-value	1.00e+00
Overlap	8
Offset	3
Orientation	Normal
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Name	MA0037.2 (GATA3)
Database	JASPAR CORE 2014
p-value	6.96e-03
E-value	6.81e+00
q-value	1.00e+00
Overlap	8
Offset	0
Orientation	Normal

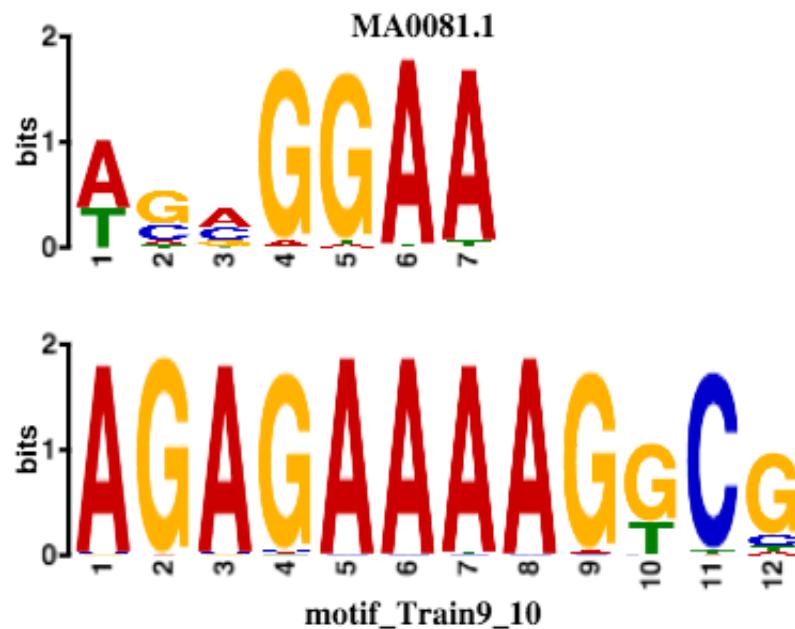
[Show logo download options](#)**Summary****Alignment**

Name	MA0514.1 (Sox3)
Database	JASPAR CORE 2014
p-value	7.95e-03
E-value	7.79e+00
q-value	1.00e+00
Overlap	10
Offset	0
Orientation	Reverse Complement



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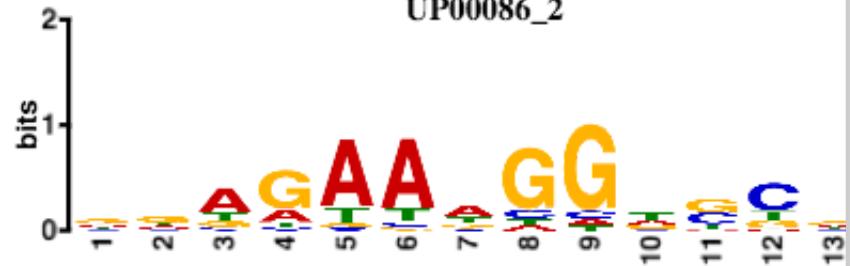
Name	MA0081.1 (SPIB)
Database	JASPAR CORE 2014
p-value	9.39e-03
E-value	9.19e+00
q-value	1.00e+00
Overlap	7
Offset	0
Orientation	Normal

[Show logo download options](#)**MATCHES TO MOTIF_TRAIN7_10 (11-AGAGAAAAGTCG)**[Previous](#) [Next](#) [Top](#)**Summary****Alignment**

Name	UP00086_2 (Irf3 secondary)
Database	uniprobe mouse
p-value	1.92e-03
E-value	1.88e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Normal

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UP00086_2

**Summary****Alignment**

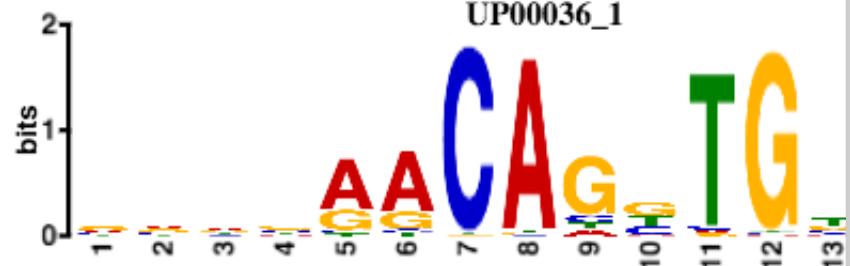
Name [UP00036_1](#)
Database uniprobe mouse

p-value 4.36e-03
E-value 4.27e+00
q-value 1.00e+00

Overlap 12
Offset 0
Orientation Normal

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UP00036_1

**Summary****Alignment**

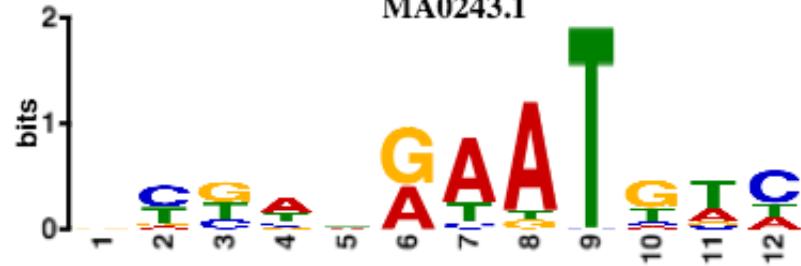
Name [MA0243.1 \(sd\)](#)
Database JASPAR CORE 2014

p-value 6.56e-03
E-value 6.42e+00
q-value 1.00e+00

Overlap 11
Offset 1
Orientation Reverse Complement

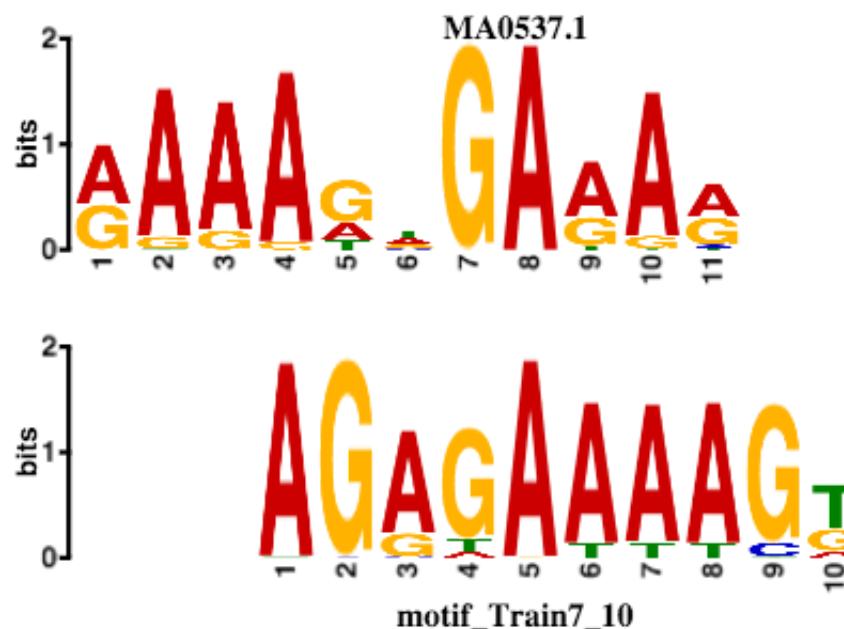
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MA0243.1

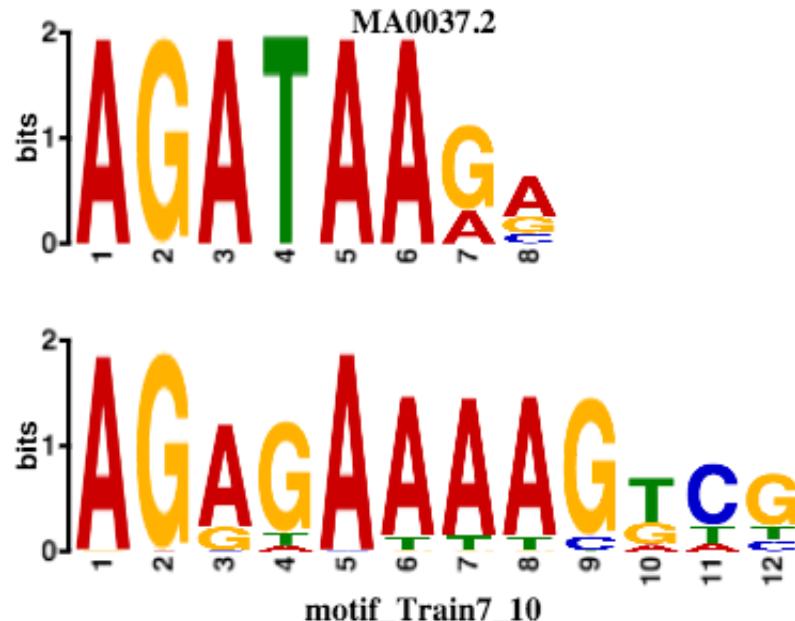


**Summary****Alignment**

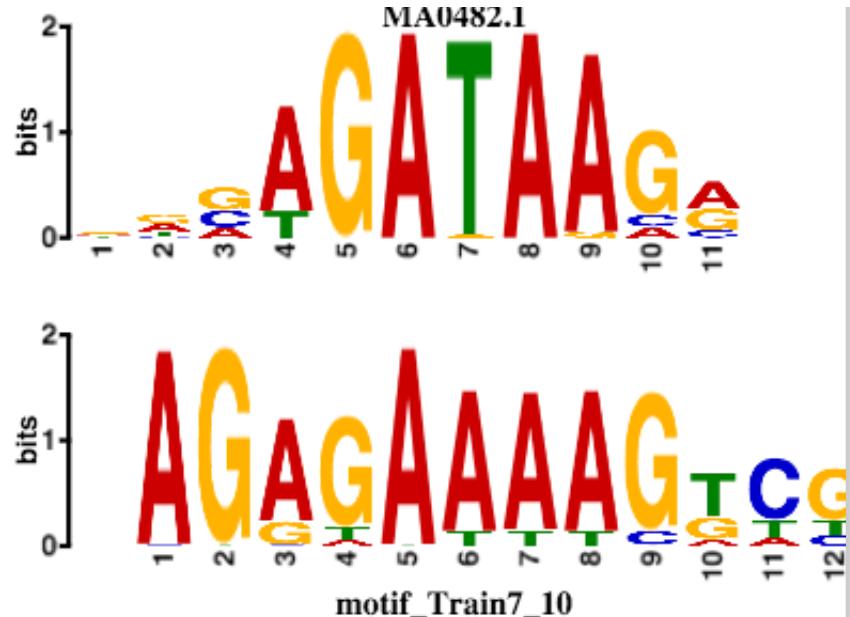
Name	MA0537.1 (BLMP-1)
Database	JASPAR CORE 2014
p-value	7.03e-03
E-value	6.89e+00
q-value	1.00e+00
Overlap	8
Offset	3
Orientation	Normal

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

Name	MA0037.2 (GATA3)
Database	JASPAR CORE 2014
p-value	7.22e-03
E-value	7.07e+00
q-value	1.00e+00
Overlap	8
Offset	0
Orientation	Normal

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

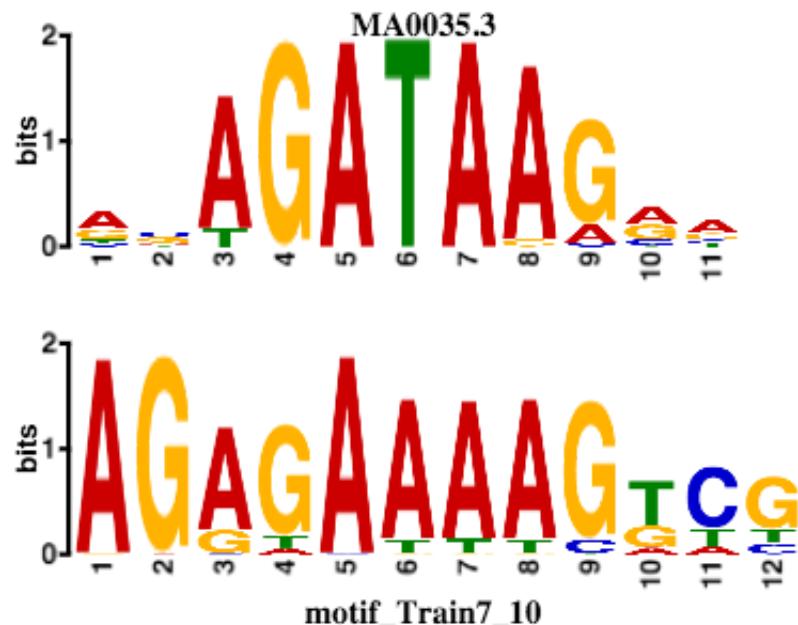
Name	MA0482.1 (Gata4)
Database	JASPAR CORE 2014
p-value	9.10e-03
E-value	8.91e+00
q-value	1.00e+00
Overlap	10
Offset	1
Orientation	Reverse Complement
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Summary

Alignment

Name	MA0035.3 (Gata1)
Database	JASPAR CORE 2014
p-value	9.49e-03
E-value	9.29e+00
q-value	1.00e+00
Overlap	11
Offset	0
Orientation	Reverse Complement
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MATCHES TO MOTIF_TRAIN6_11 (12-GAGAAAAGGYKA)

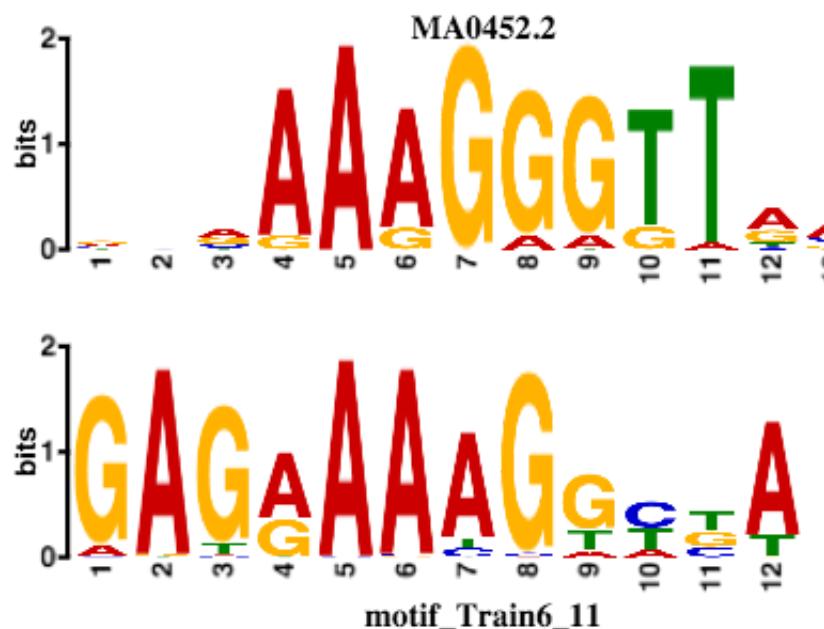
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Summary

Alignment

Name	MA0452.2 (KR)
Database	JASPAR CORE 2014

p-value	6.42e-04
E-value	6.29e-01
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Reverse Complement

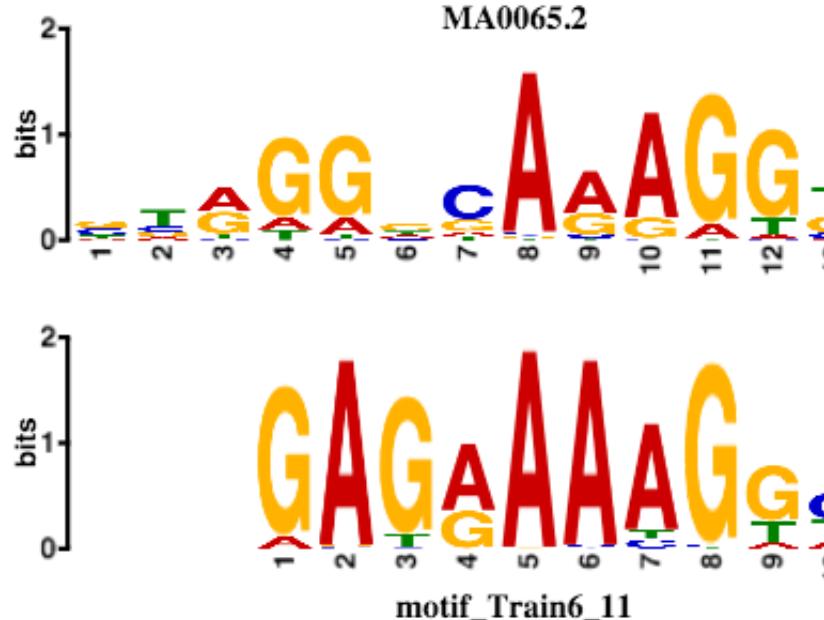
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Summary

Name	MA0065.2 (PPARG::RXRA)
Database	JASPAR CORE 2014
p-value	2.63e-03
E-value	2.58e+00
q-value	1.00e+00
Overlap	12
Offset	3
Orientation	Normal

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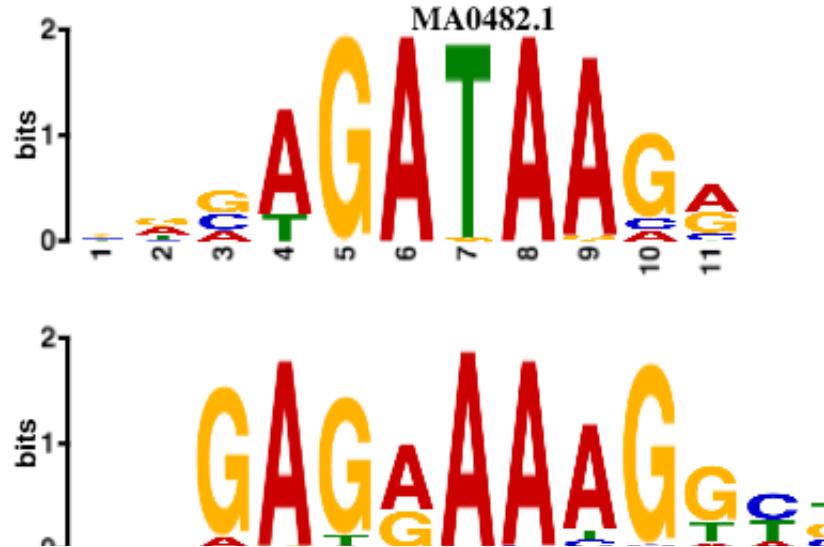
Alignment



Summary

Name	MA0482.1 (Gata4)
Database	JASPAR CORE 2014
p-value	4.41e-03
E-value	4.32e+00
q-value	1.00e+00
Overlap	9
Offset	2
Orientation	Reverse Complement

Alignment

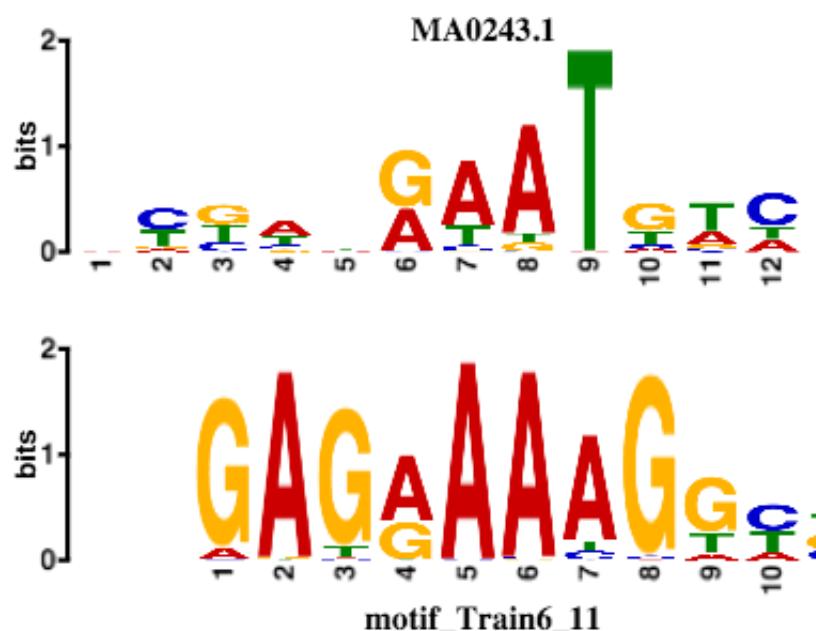


[Show logo download options](#)**Summary**

Name [MA0243.1 \(sd\)](#)
Database JASPAR CORE
2014

p-value 4.83e-03
E-value 4.73e+00
q-value 1.00e+00

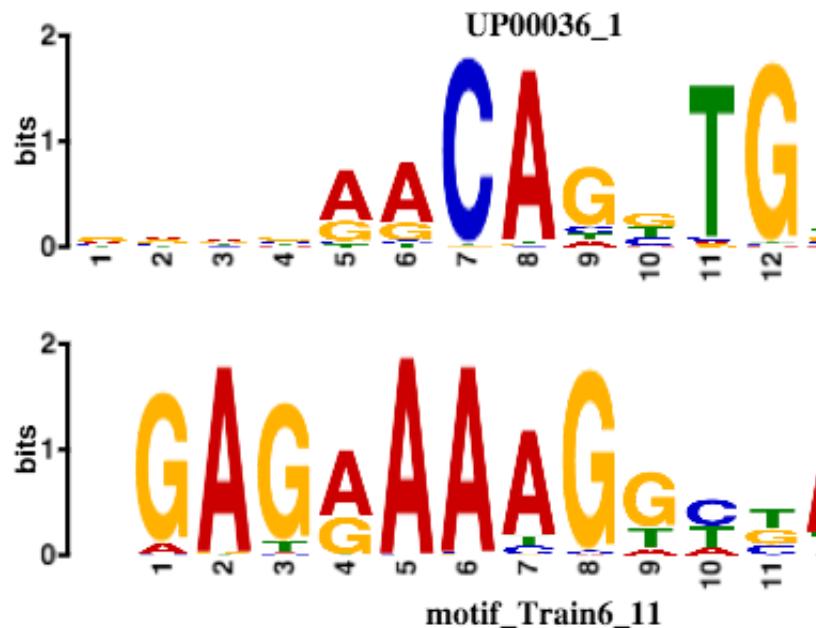
Overlap 10
Offset 2
Orientation Reverse Complement

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

Name [UP00036_1 \(Myf6_primary\)](#)
Database uniprobe mouse

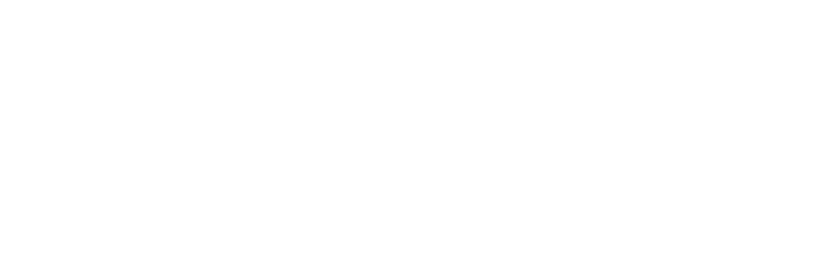
p-value 6.00e-03
E-value 5.87e+00
q-value 1.00e+00

Overlap 12
Offset 1
Orientation Normal

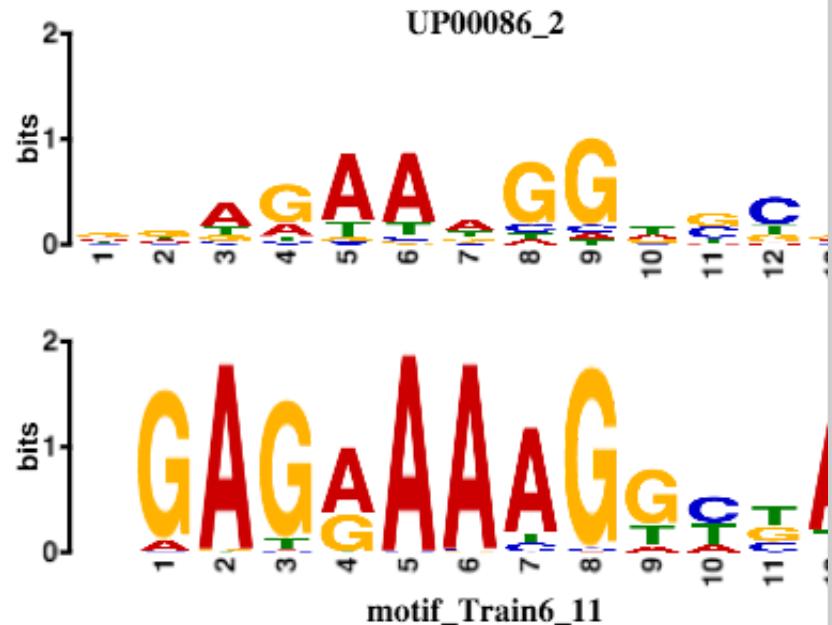
[Show logo download options](#)**Alignment****Summary**

Name [UP00086_2 \(Irf3_secondary\)](#)
Database uniprobe mouse

p-value 8.98e-03
E-value 8.79e+00
q-value 1.00e+00

Alignment

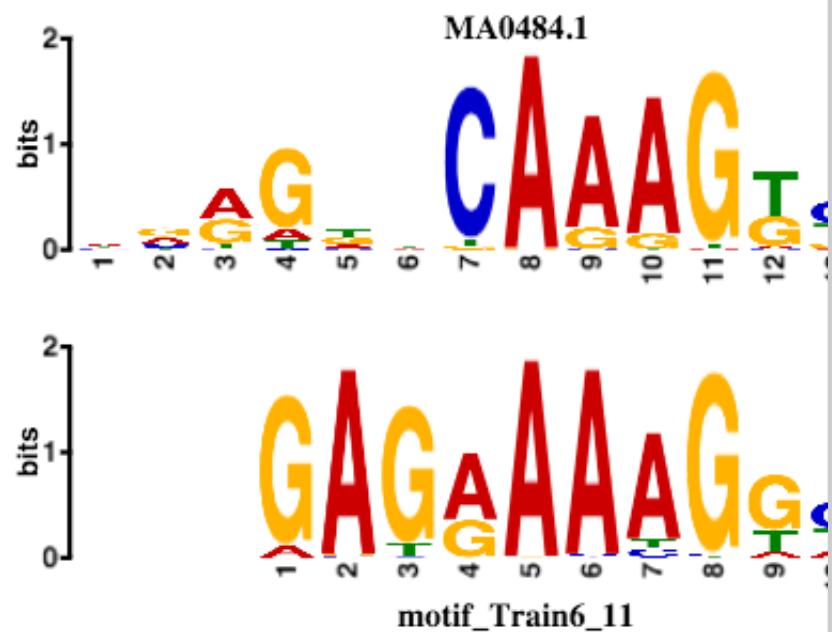
Overlap	12
Offset	1
Orientation	Normal
Show logo download options	



Summary

Alignment

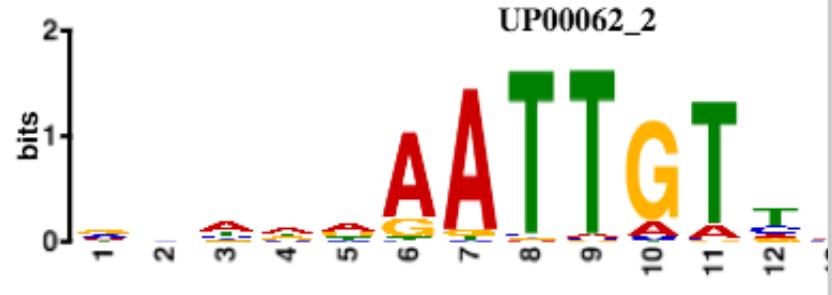
Name	MA0484.1 (HNF4G)
Database	JASPAR CORE 2014
p-value	9.26e-03
E-value	9.06e+00
q-value	1.00e+00
Overlap	12
Offset	3
Orientation	Normal
Show logo download options	



Summary

Alignment

Name	UP00062_2 (Sox4 secondary)
Database	uniprobe mouse
p-value	9.47e-03
E-value	9.27e+00
q-value	1.00e+00



Overlap 12
Offset 1
Orientation Normal
[Show logo download options](#)

**Summary****Alignment**

Name [MA0037.2](#)
Database JASPAR CORE
2014

p-value 9.92e-03
E-value 9.71e+00
q-value 1.00e+00

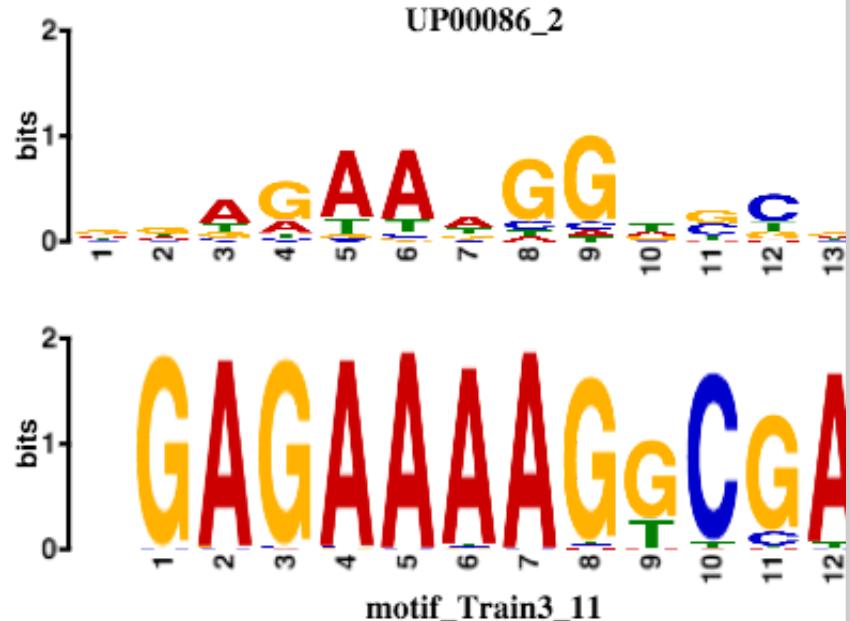
Overlap 8
Offset -1
Orientation Normal
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**MATCHES TO MOTIF_TRAIN3_11 (13-GAGAAAAGGCGA)**
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Summary**Alignment**

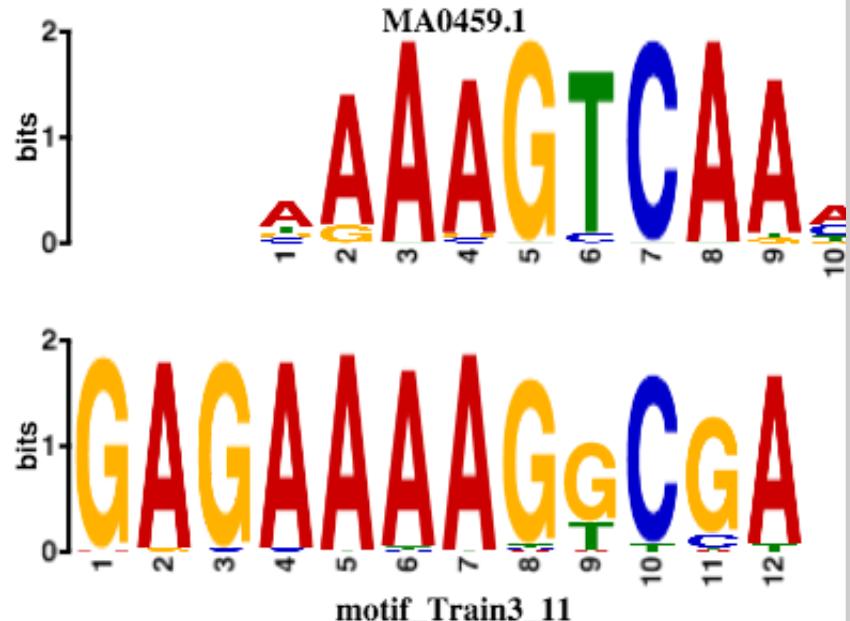
Name [UP00086_2](#)
Database Irf3 secondary
uniprobe mouse

p-value 3.17e-03

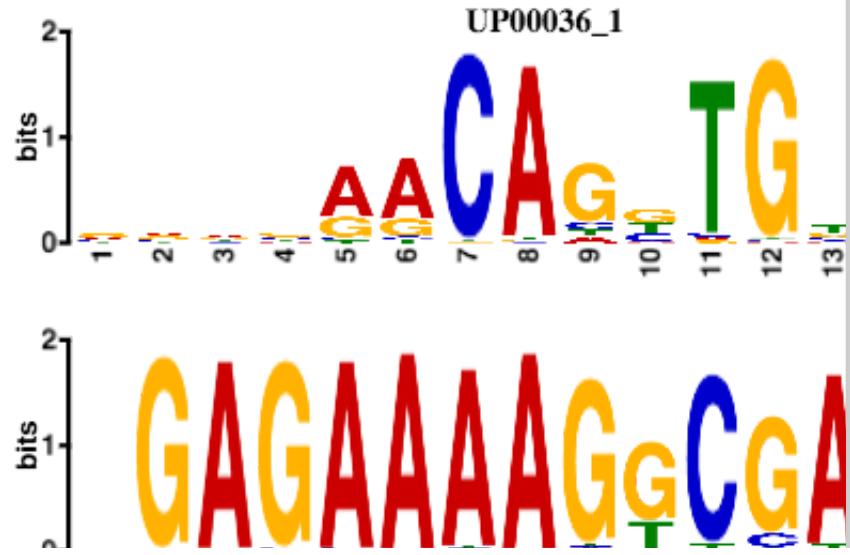
E-value	3.10e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal

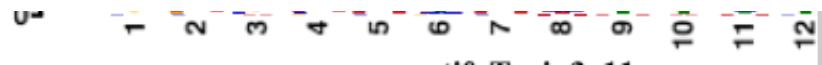
[Show logo download options](#)**Summary**

Name	MA0459.1 (tll)
Database	JASPAR CORE 2014
p-value	4.22e-03
E-value	4.13e+00
q-value	1.00e+00
Overlap	9
Offset	-3
Orientation	Normal

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

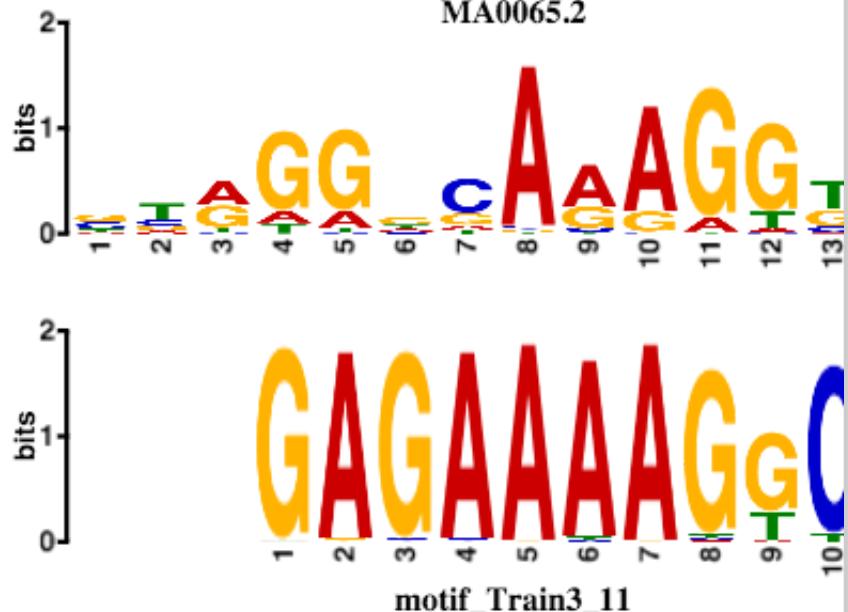
Name	UP00036_1 (Myf6_primary)
Database	uniprobe mouse
p-value	6.71e-03
E-value	6.56e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal

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

**Summary****Alignment**

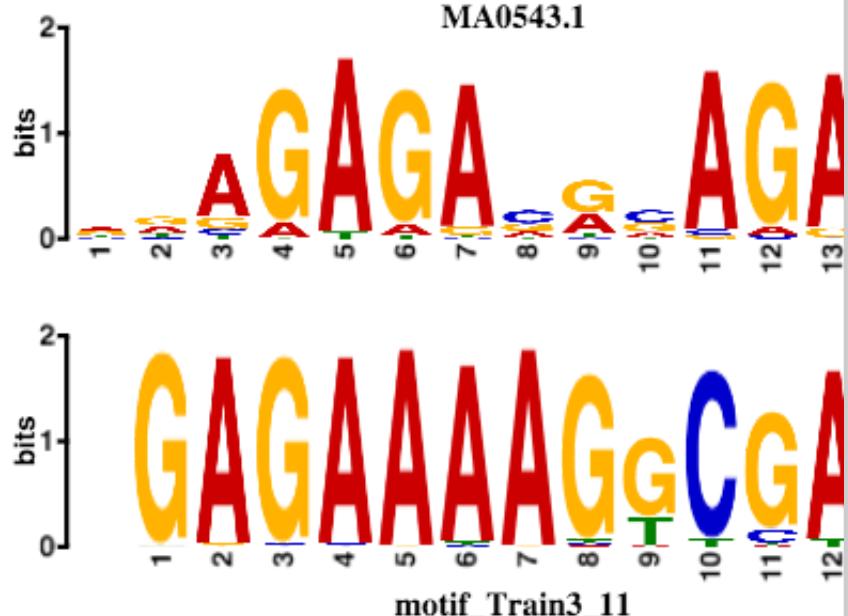
Name	MA0065.2 (PPARG::RXRA)
Database	JASPAR CORE 2014
p-value	6.82e-03
E-value	6.68e+00
q-value	1.00e+00
Overlap	12
Offset	3
Orientation	Normal

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**Summary****Alignment**

Name	MA0543.1 (EOR-1)
Database	JASPAR CORE 2014
p-value	6.82e-03
E-value	6.68e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal

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**Summary****Alignment**

Name	MA0452.2 (KR)
Database	JASPAR CORE 2014
p-value	9.22e-03
E-value	9.03e+00



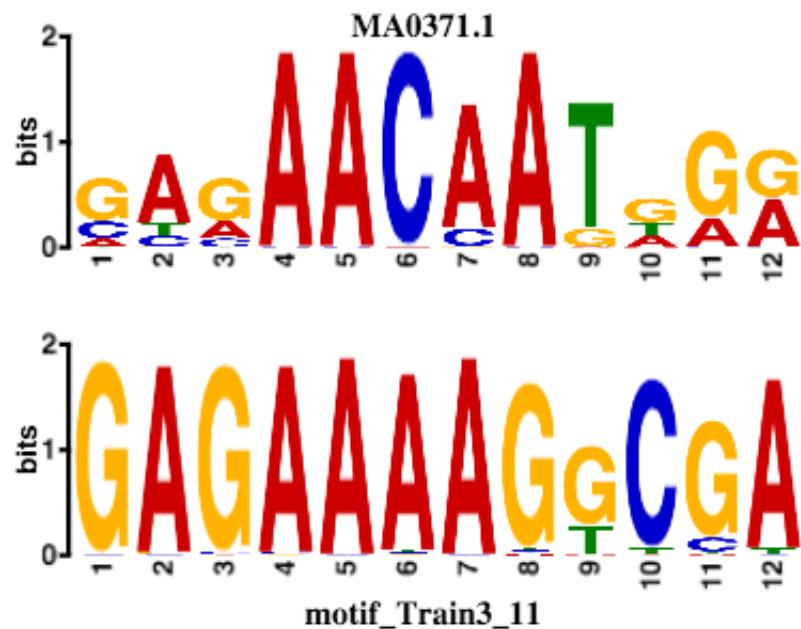
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Reverse Complement
Show logo download options	



Summary

Name	MA0371.1 (ROX1)
Database	JASPAR CORE 2014
p-value	9.81e-03
E-value	9.60e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Reverse Complement
Show logo download options	

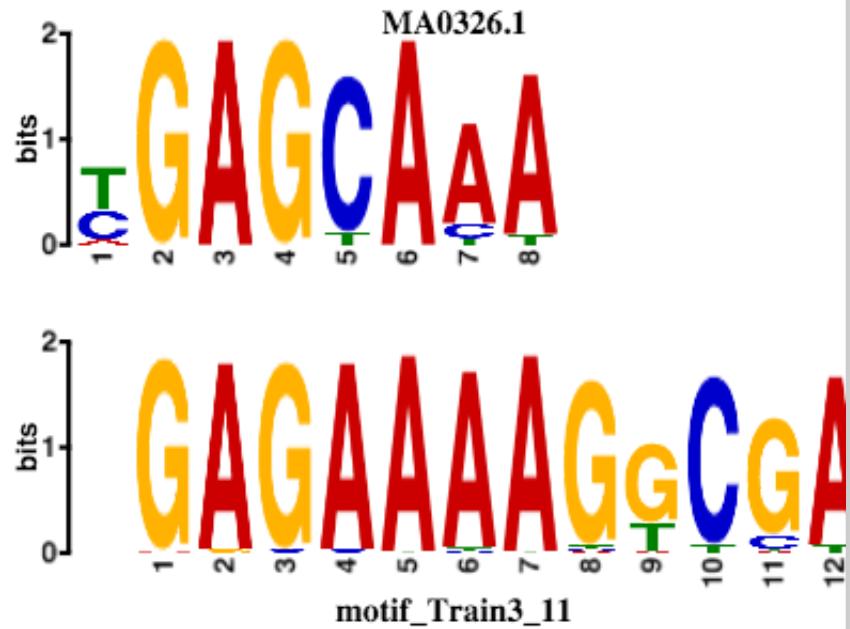
Alignment



Summary

Name	MA0326.1 (MAC1)
Database	JASPAR CORE 2014
p-value	1.00e-02
E-value	9.81e+00
q-value	1.00e+00
Overlap	7
Offset	1
Orientation	Reverse Complement
Show logo download options	

Alignment



MATCHES TO MOTIF_10_11 (11-AGAGAAAAGGCG)

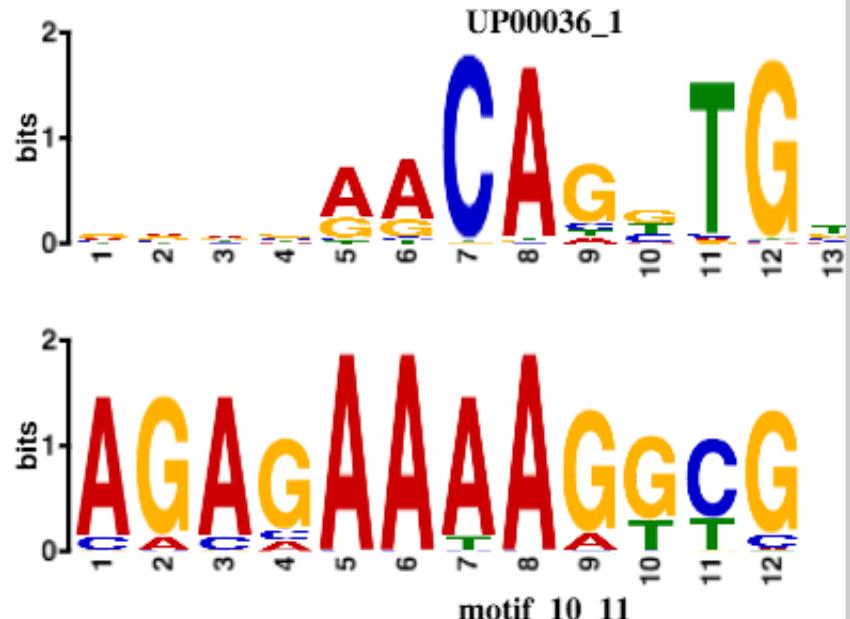
[Previous](#) [Next](#) [Top](#)

Summary

Alignment

Name	UP00036_1 (Myf6 primary)
Database	uniprobe mouse
p-value	1.20e-03
E-value	1.17e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Normal

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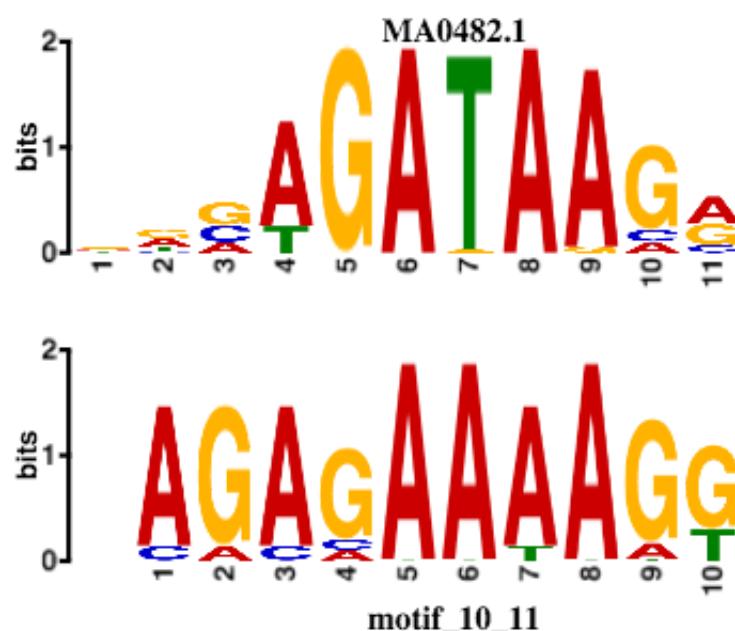


Summary

Alignment

Name	MA0482.1 (Gata4)
Database	JASPAR CORE 2014
p-value	3.29e-03
E-value	3.22e+00
q-value	1.00e+00
Overlap	10
Offset	1
Orientation	Reverse Complement

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Summary

Alignment

Name	MA0035.3 (Gata1)
Database	JASPAR CORE 2014
p-value	5.13e-03
E-value	5.02e+00
q-value	1.00e+00
Overlap	11
Offset	0
Orientation	Reverse

Complement
[Show logo download options](#)



Summary

Name	MA0514.1 (Sox3)
Database	JASPAR CORE 2014
p-value	5.17e-03
E-value	5.06e+00
q-value	1.00e+00
Overlap	10
Offset	0
Orientation	Reverse Complement

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Alignment



Summary

Name	MA0537.1 (BLMP-1)
Database	JASPAR CORE 2014
p-value	5.84e-03
E-value	5.71e+00
q-value	1.00e+00
Overlap	8
Offset	3
Orientation	Normal

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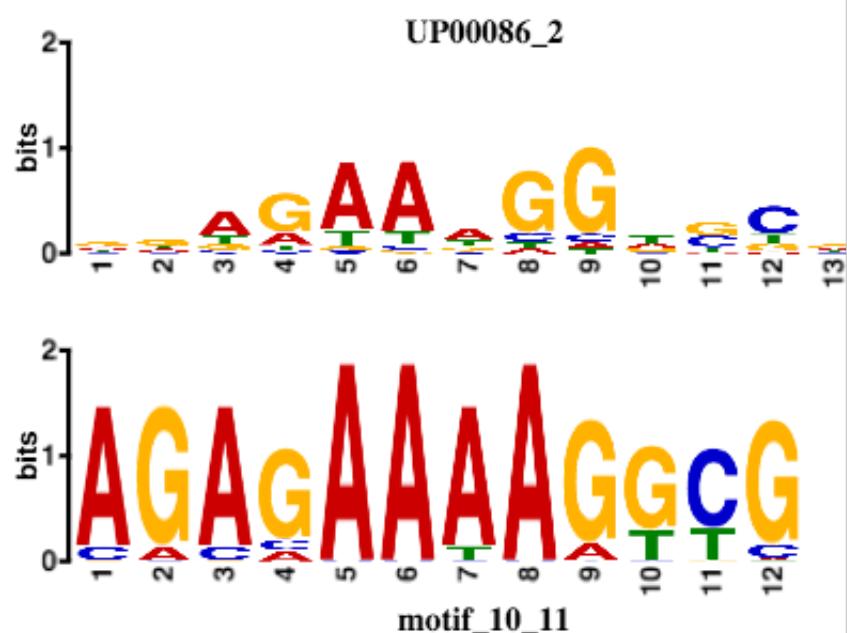
Alignment



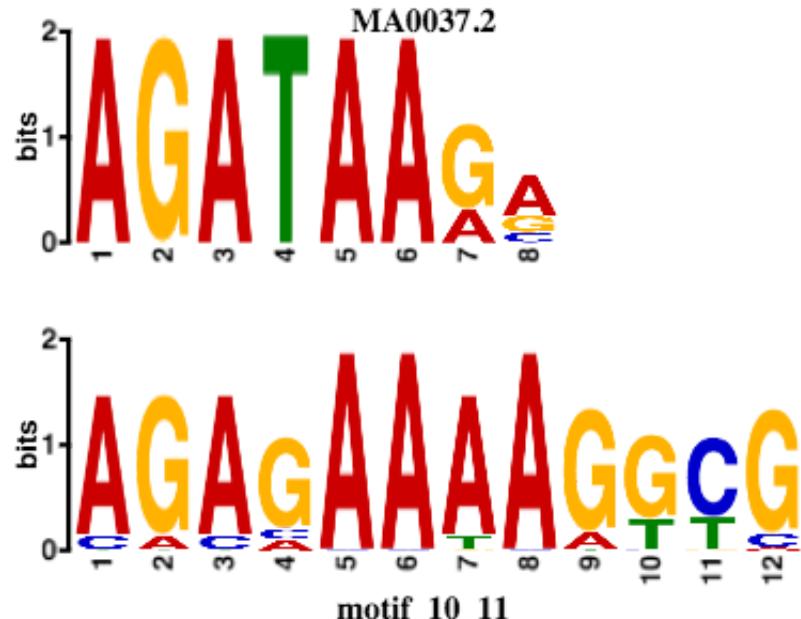
Summary**Alignment**

Name	UP00086_2 (Irf3 secondary)
Database	uniprobe mouse
p-value	6.42e-03
E-value	6.29e+00
q-value	1.00e+00

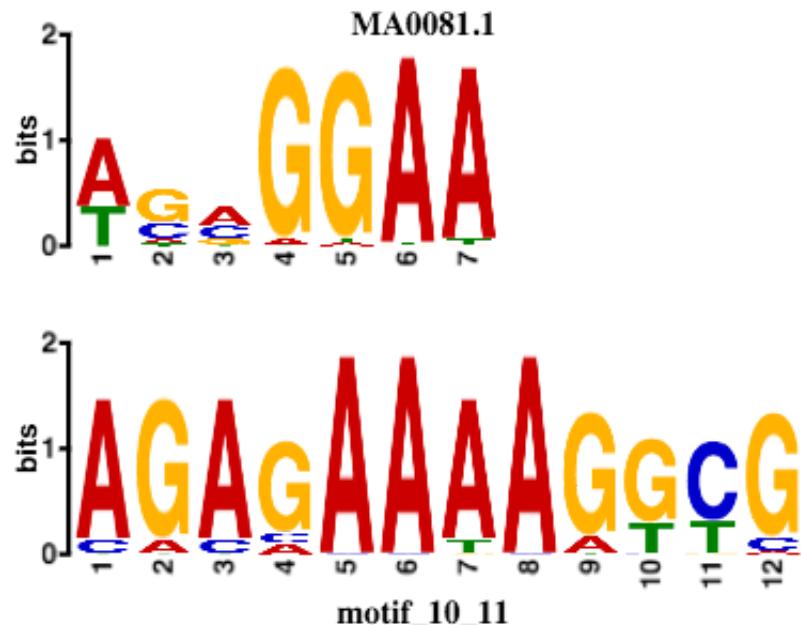
Overlap	12
Offset	0
Orientation	Normal

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

Name	MA0037.2 (GATA3)
Database	JASPAR CORE 2014
p-value	8.79e-03
E-value	8.61e+00
q-value	1.00e+00
Overlap	8
Offset	0
Orientation	Normal

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

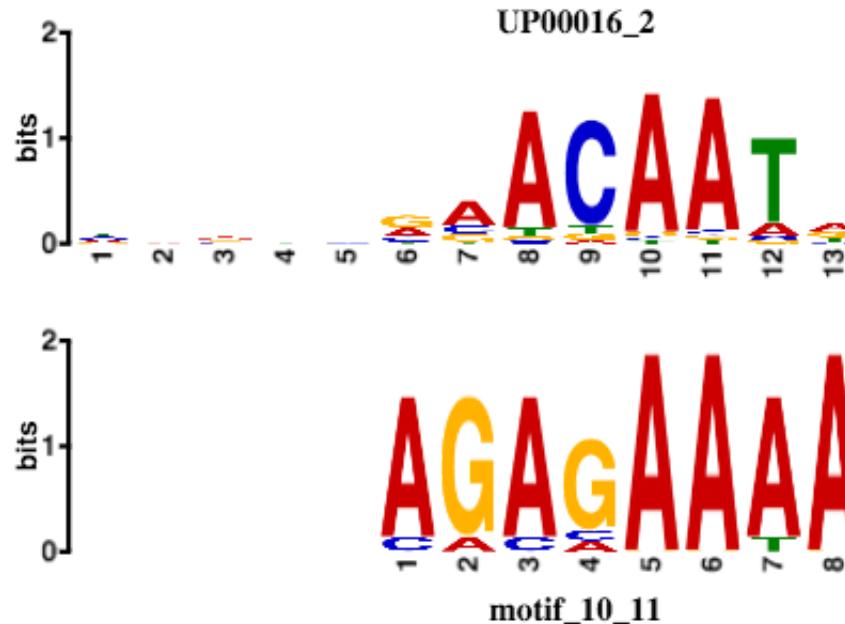
Name	MA0081.1 (SPIB)
Database	JASPAR CORE 2014
p-value	9.58e-03
E-value	9.38e+00
q-value	1.00e+00
Overlap	7
Offset	0
Orientation	Normal
Show logo download options	



Summary

Alignment

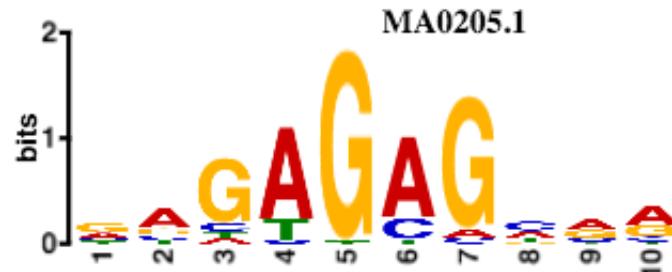
Name	UP00016_2 (Sry secondary)
Database	uniprobe mouse
p-value	9.88e-03
E-value	9.67e+00
q-value	1.00e+00
Overlap	12
Offset	5
Orientation	Normal
Show logo download options	



Summary

Alignment

Name	MA0205.1 (Trl)
Database	JASPAR CORE 2014
p-value	1.01e-02
E-value	9.92e+00
q-value	1.00e+00

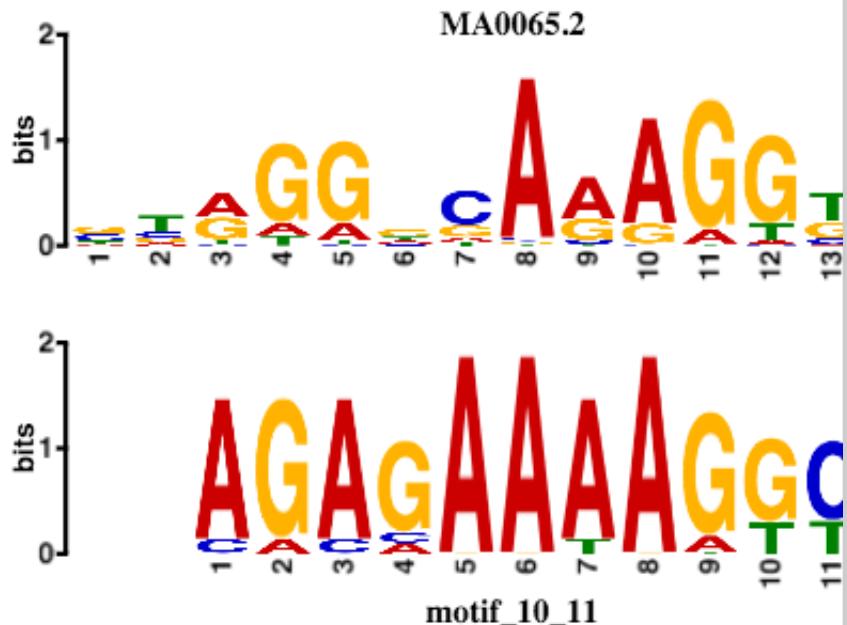


	Y-value
Overlap	9
Offset	1
Orientation	Reverse Complement
Show logo download options	

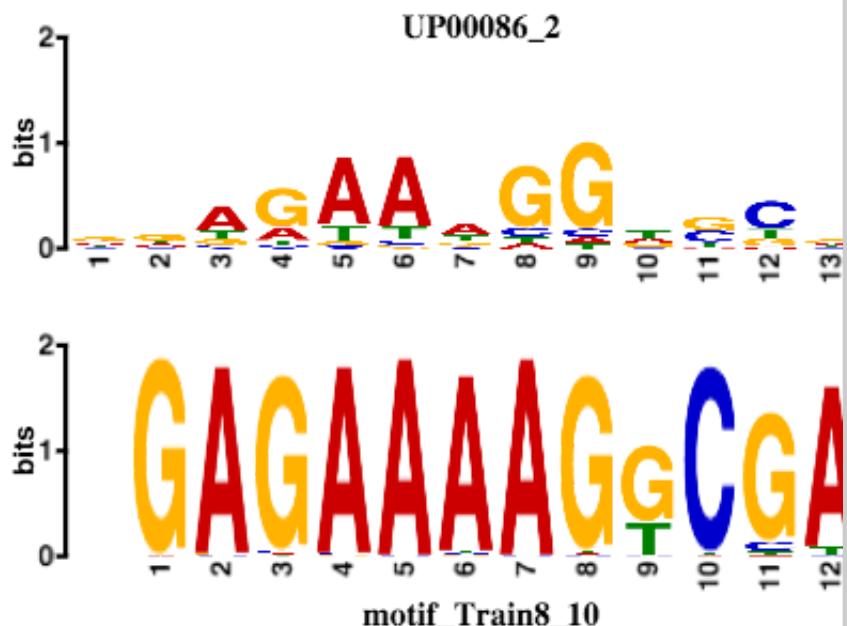
TOMTOM

**Summary**

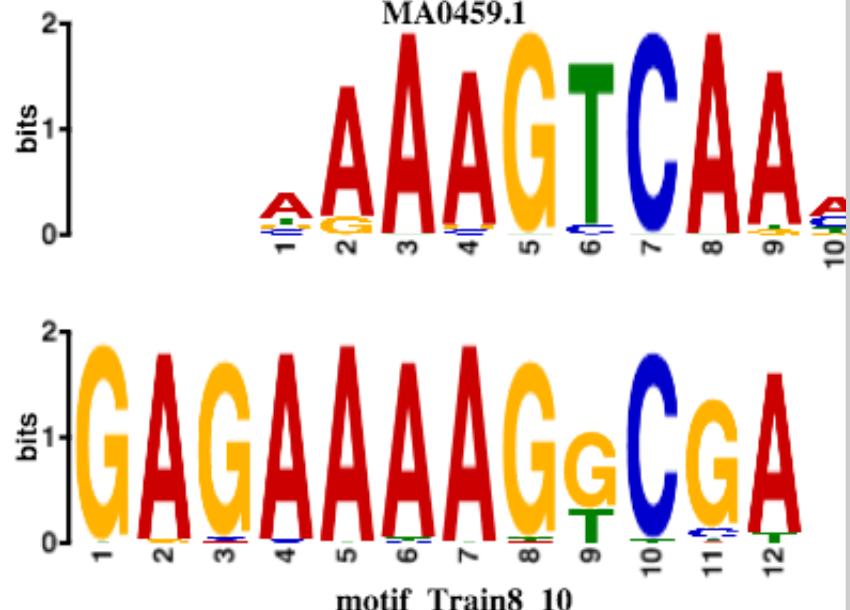
Name	MA0065.2 (PPARG::RXRA)
Database	JASPAR CORE 2014
p-value	1.02e-02
E-value	9.94e+00
q-value	1.00e+00
Overlap	12
Offset	2
Orientation	Normal
Show logo download options	

Alignment**MATCHES TO MOTIF_TRAIN8_10 (11-GAGAAAAGGCGA)**[Previous](#) [Next](#) [Top](#)**Summary**

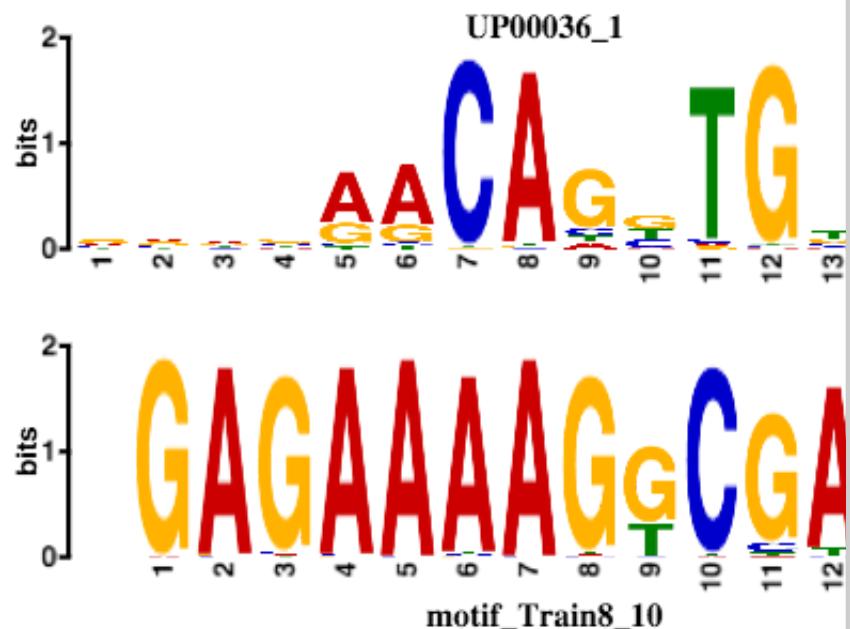
Name	UP00086_2 (Irf3 secondary)
Database	uniprobe mouse
p-value	3.15e-03
E-value	3.08e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal
Show logo download options	

Alignment**Summary****Alignment**

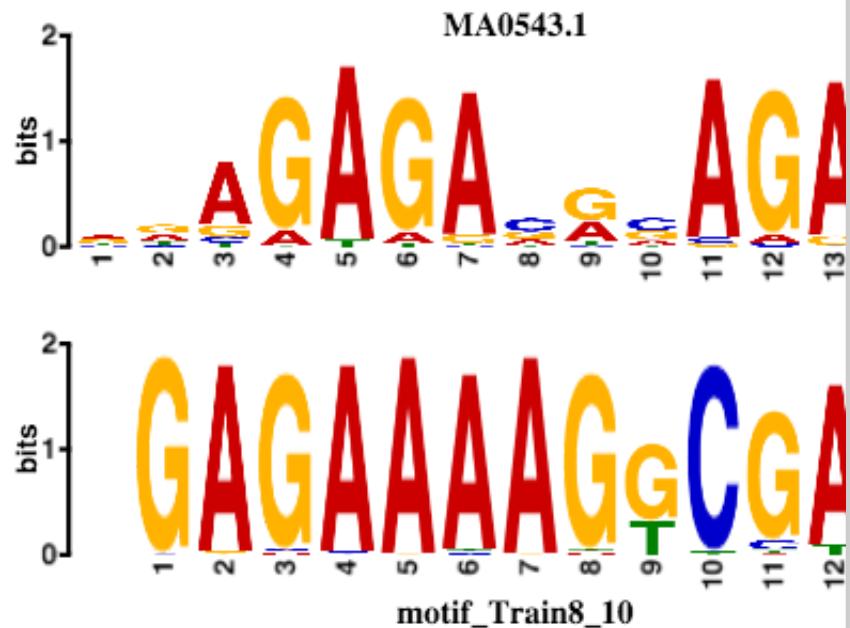
Name	MA0459.1 (tll)
Database	JASPAR CORE 2014
p-value	3.32e-03
E-value	3.25e+00
q-value	1.00e+00
Overlap	9
Offset	-3
Orientation	Normal
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**Summary****Alignment**

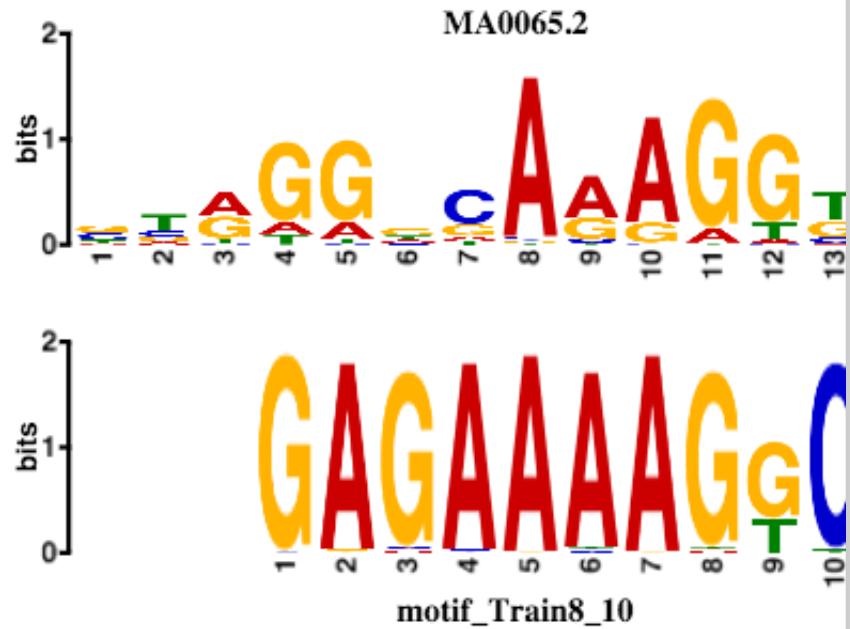
Name	UP00036_1 (Myf6_primary)
Database	uniprobe mouse
p-value	6.95e-03
E-value	6.81e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal
Show logo download options	

**Summary****Alignment**

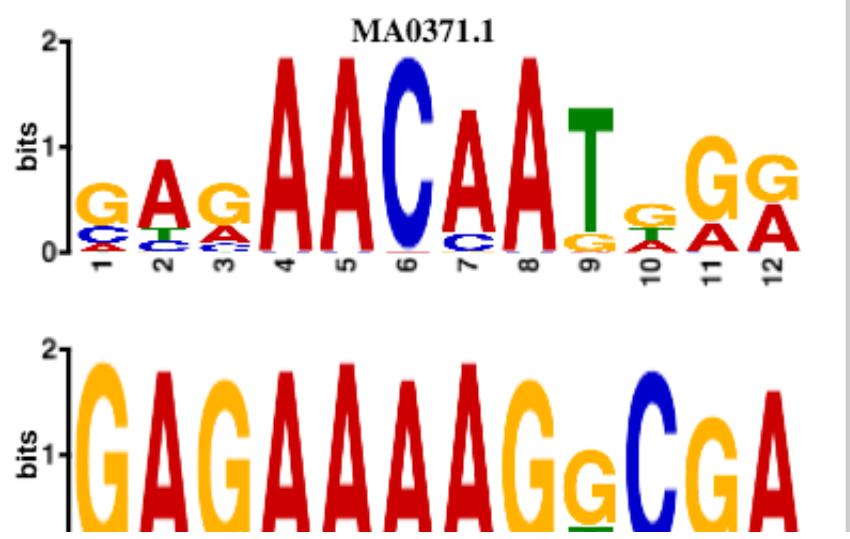
Name	MA0543.1 (EOR-1)
Database	JASPAR CORE 2014
p-value	7.08e-03
E-value	6.93e+00
q-value	1.00e+00
Overlap	12
Offset	1
Orientation	Normal
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[Show logo download options](#)**Summary****Alignment**

Name	MA0065.2 (PPARG::RXRA)
Database	JASPAR CORE 2014
p-value	7.37e-03
E-value	7.22e+00
q-value	1.00e+00
Overlap	12
Offset	3
Orientation	Normal

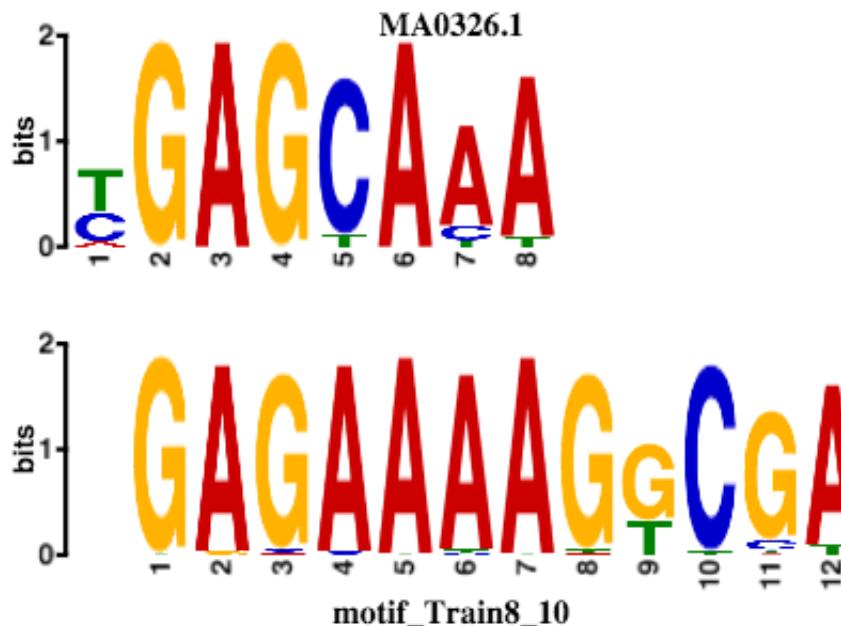
[Show logo download options](#)**Summary****Alignment**

Name	MA0371.1 (ROX1)
Database	JASPAR CORE 2014
p-value	7.98e-03
E-value	7.81e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Reverse Complement

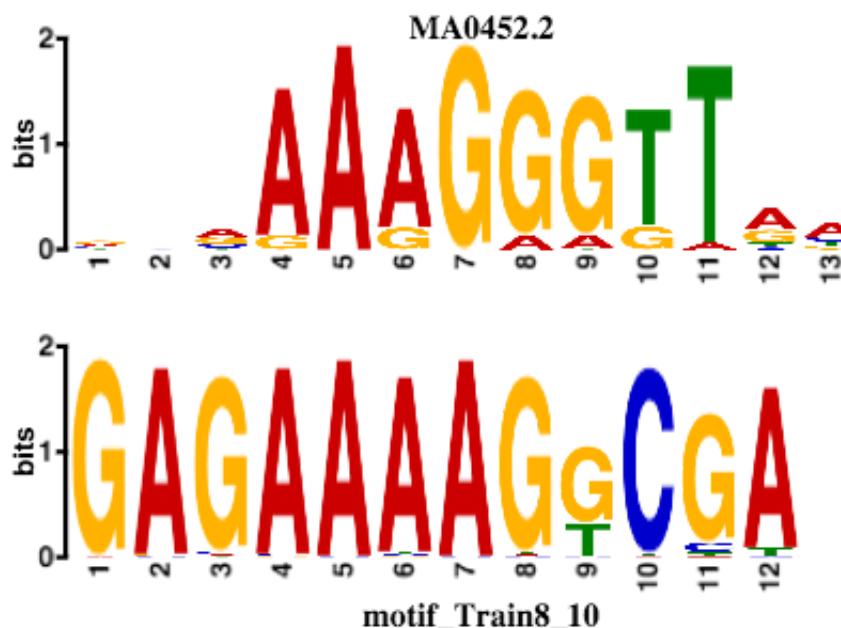


[Show logo download options](#)**Summary****Alignment**

Name	MA0326.1 (MAC1)
Database	JASPAR CORE 2014
p-value	9.62e-03
E-value	9.41e+00
q-value	1.00e+00
Overlap	7
Offset	1
Orientation	Reverse Complement

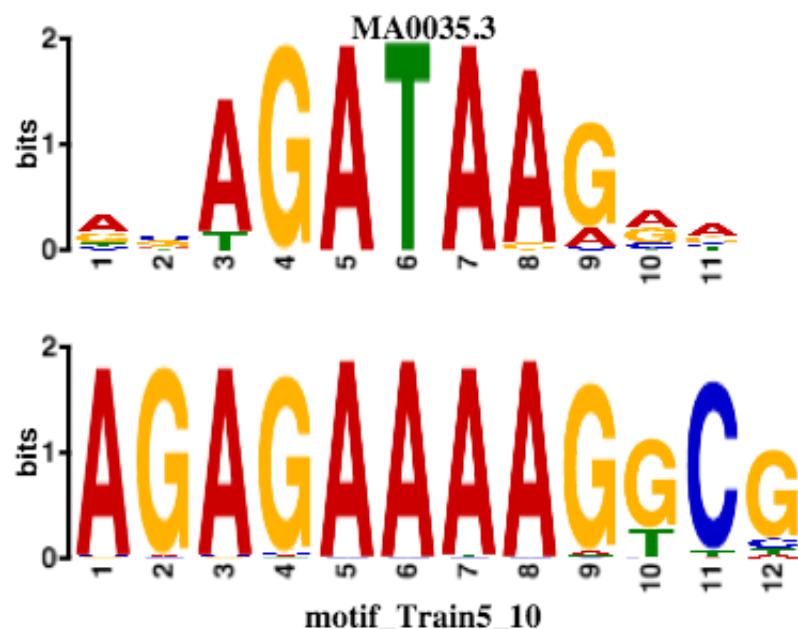
[Show logo download options](#)**Summary****Alignment**

Name	MA0452.2 (KR)
Database	JASPAR CORE 2014
p-value	9.95e-03
E-value	9.74e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Reverse Complement

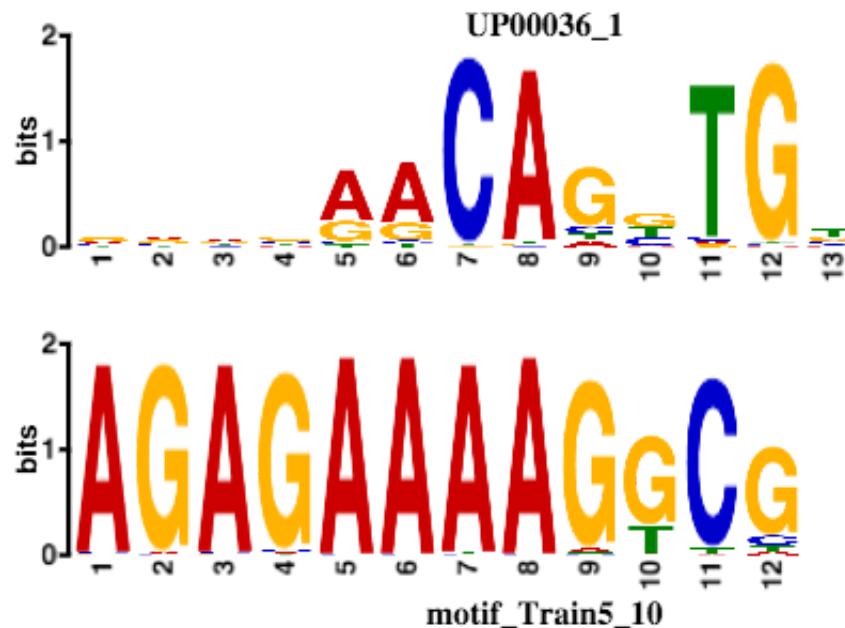
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MATCHES TO MOTIF_TRAIN5_10 (11-AGAGAAAAGGCG)[Previous](#) [Next](#) [Top](#)**Summary**

Name	MA0035.3 (Gata1)
Database	JASPAR CORE 2014
p-value	2.40e-03
E-value	2.35e+00
q-value	1.00e+00
Overlap	11
Offset	0
Orientation	Reverse Complement

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

Name	UP00036_1 (Myf6_primary)
Database	uniprobe mouse
p-value	2.56e-03
E-value	2.51e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Normal

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

Name	MA0482.1 (Gata4)
Database	JASPAR CORE 2014
p-value	3.05e-03
E-value	2.98e+00

Alignment

Overlap 10
Offset 1
Orientation Reverse Complement

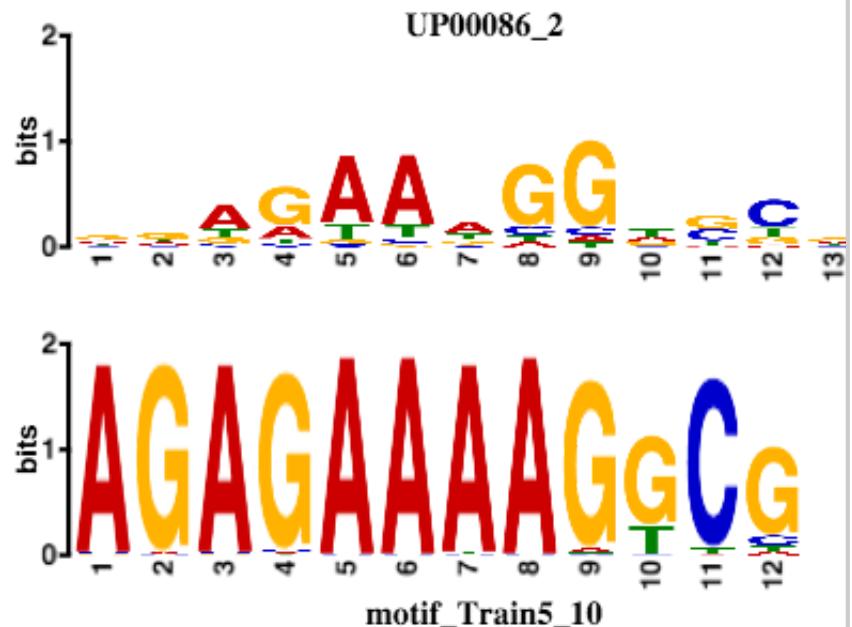
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Summary

Name UP00086_2
(Irf3 secondary)
Database uniprobe mouse
p-value 4.91e-03
E-value 4.80e+00
q-value 1.00e+00
Overlap 12
Offset 0
Orientation Normal
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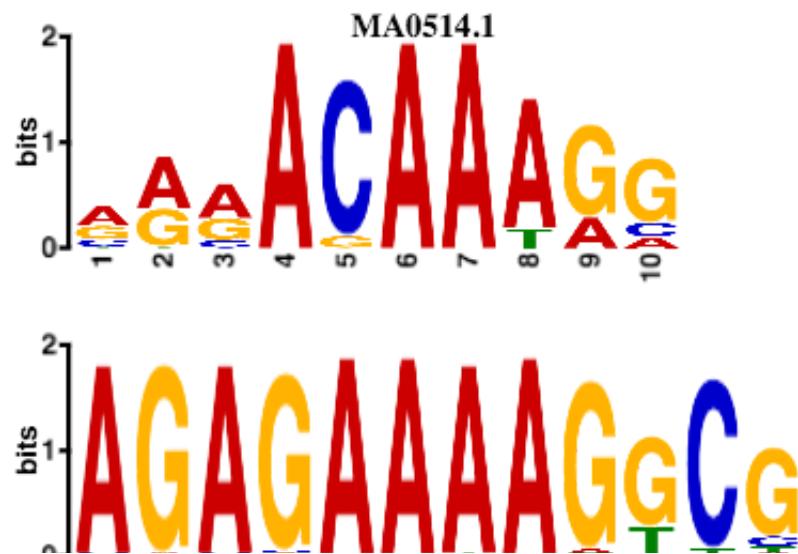
Alignment



Summary

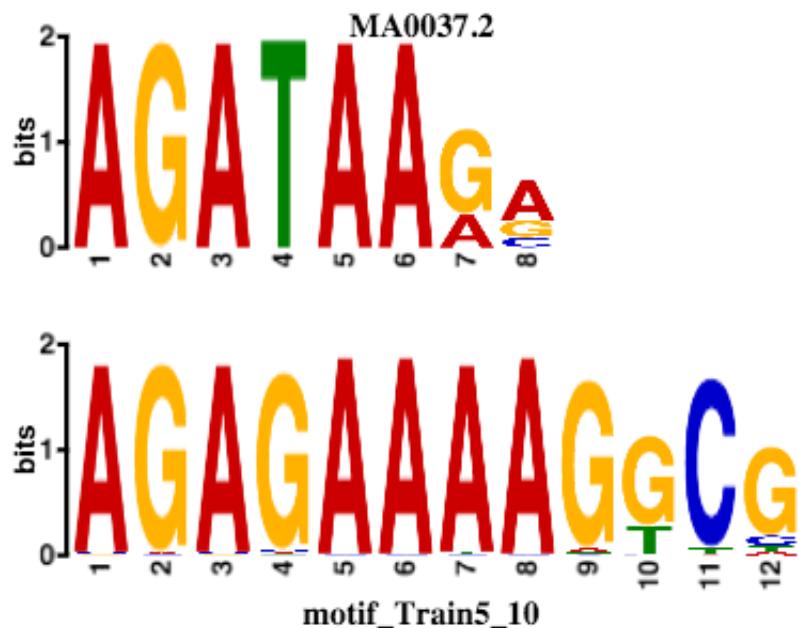
Name MA0514.1
(Sox3)
Database JASPAR CORE
2014
p-value 7.00e-03
E-value 6.85e+00
q-value 1.00e+00
Overlap 10
Offset 0
Orientation Reverse Complement

Alignment

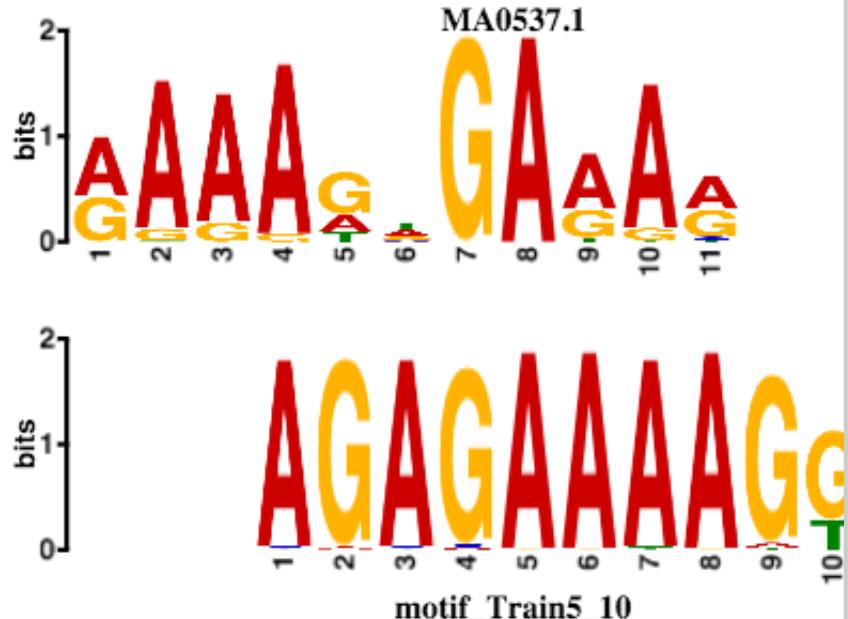


[Show logo download options](#)**Summary****Alignment**

Name	MA0037.2 (GATA3)
Database	JASPAR CORE 2014
p-value	7.20e-03
E-value	7.05e+00
q-value	1.00e+00
Overlap	8
Offset	0
Orientation	Normal

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

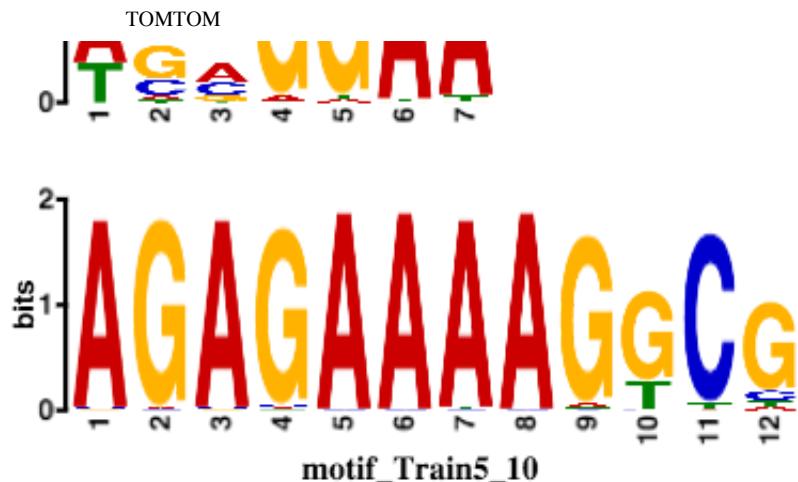
Name	MA0537.1 (BLMP-1)
Database	JASPAR CORE 2014
p-value	7.66e-03
E-value	7.50e+00
q-value	1.00e+00
Overlap	8
Offset	3
Orientation	Normal

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

Name	MA0081.1 (SPIB)
Database	JASPAR CORE 2014



p-value	9.77e-03
E-value	9.56e+00
q-value	1.00e+00
Overlap	7
Offset	0
Orientation	Normal

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MATCHES TO MOTIF_TRAIN2_10 (12-AGAGAAAAGGGCG)

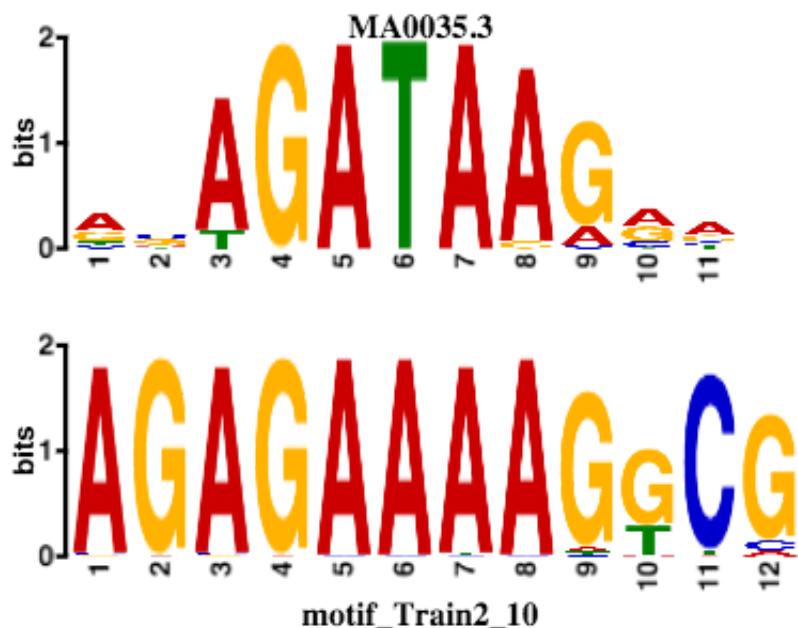
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Summary

Name	MA0035.3 (Gata1)
Database	JASPAR CORE 2014
p-value	2.39e-03
E-value	2.34e+00
q-value	1.00e+00
Overlap	11
Offset	0
Orientation	Reverse Complement

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Alignment

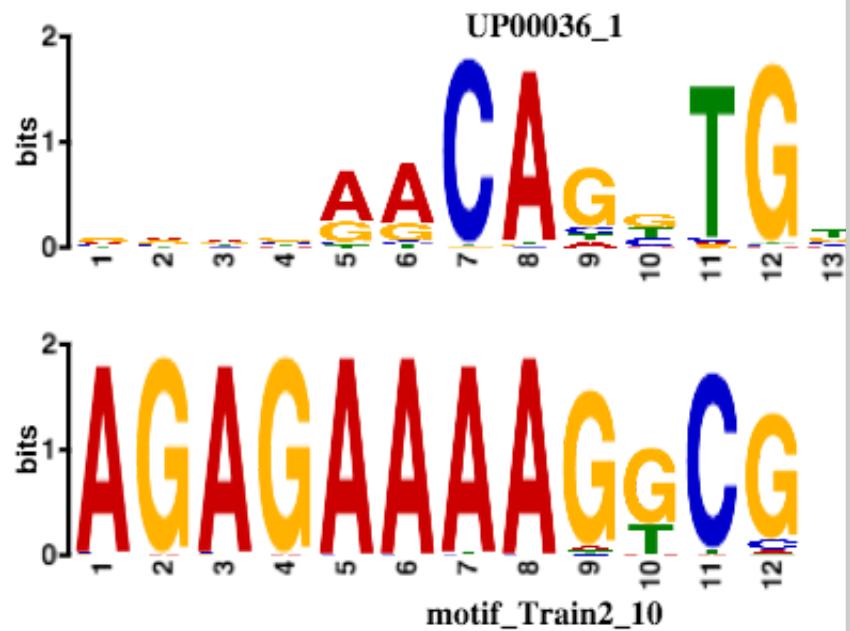


Summary

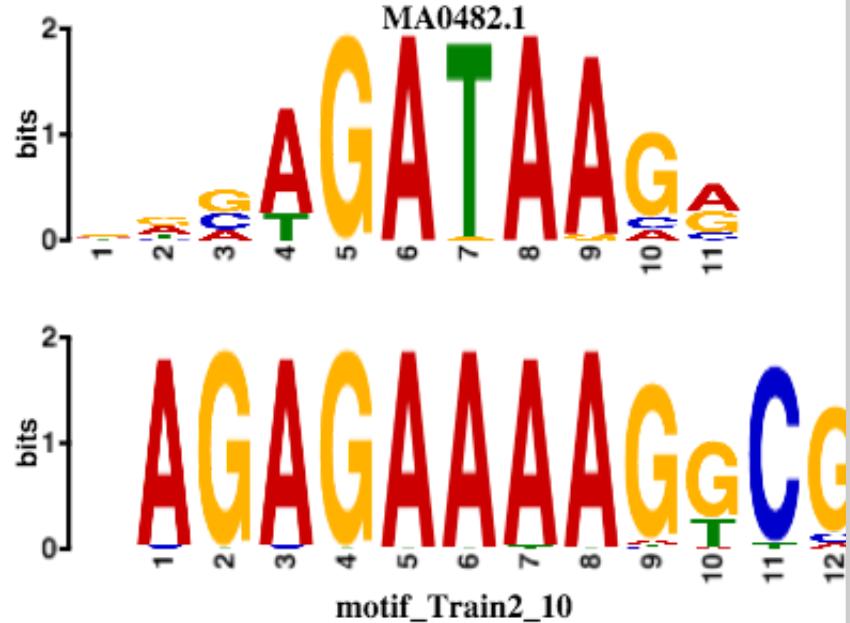
Name	UP00036_1 (Myf6_primary)
Database	uniprobe mouse
p-value	2.65e-03
E-value	2.59e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Normal

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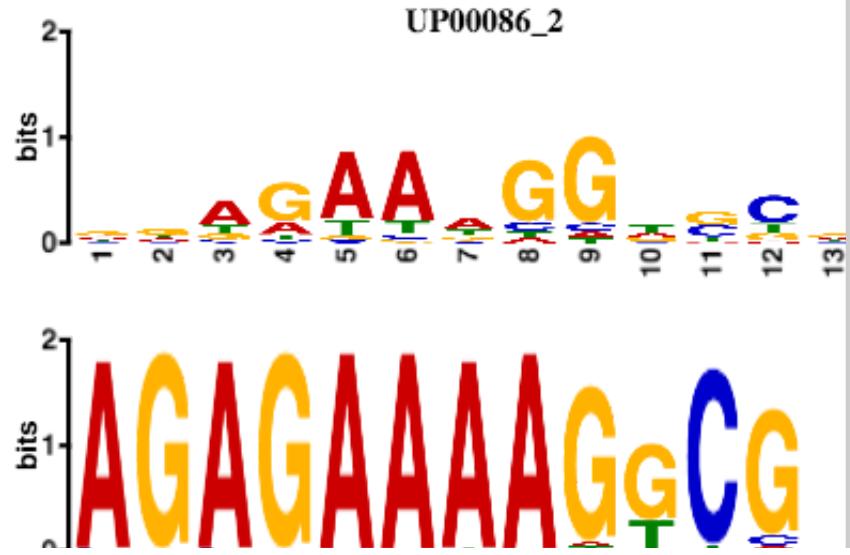
Alignment

**Summary**

Name	MA0482.1 (Gata4)
Database	JASPAR CORE 2014
p-value	3.33e-03
E-value	3.26e+00
q-value	1.00e+00
Overlap	10
Offset	1
Orientation	Reverse Complement
Show logo download options	

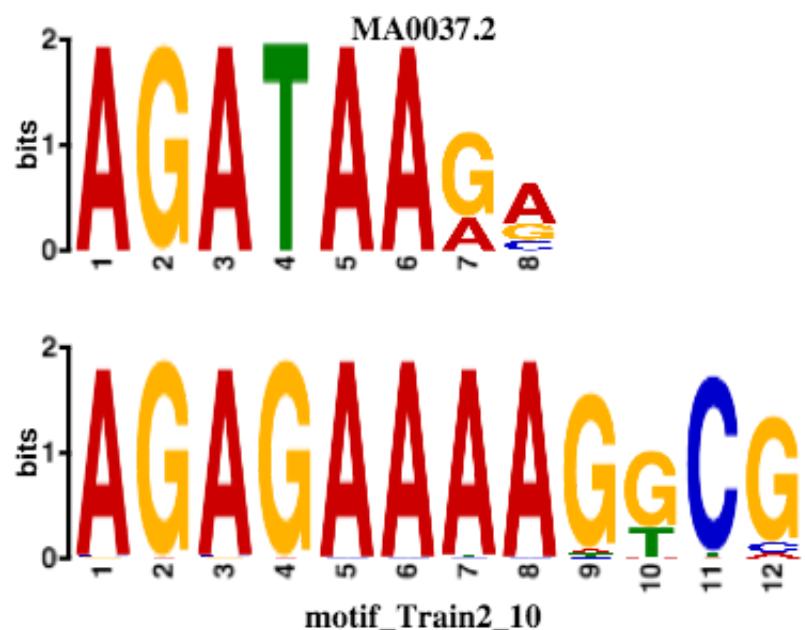
Alignment**Summary**

Name	UP00086_2 (Irf3 secondary)
Database	uniprobe mouse
p-value	4.68e-03
E-value	4.58e+00
q-value	1.00e+00
Overlap	12
Offset	0
Orientation	Normal
Show logo download options	

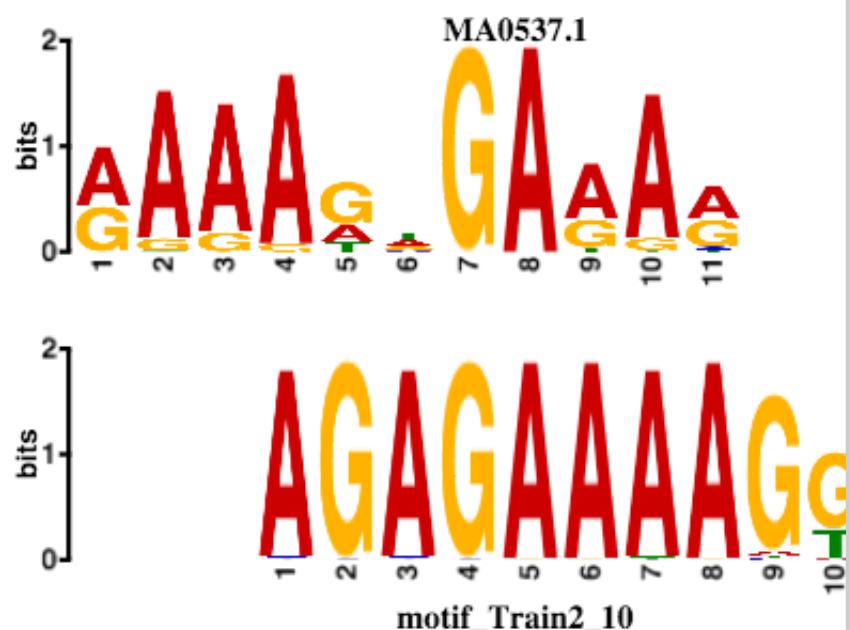
Alignment

**Summary****Alignment**

Name	MA0037.2 (GATA3)
Database	JASPAR CORE 2014
p-value	6.90e-03
E-value	6.76e+00
q-value	1.00e+00
Overlap	8
Offset	0
Orientation	Normal

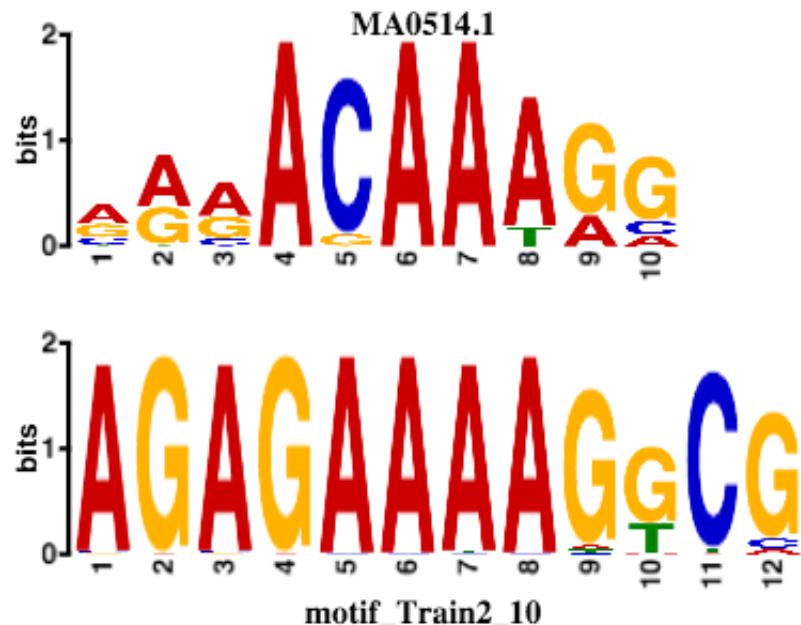
[Show logo download options](#)**Summary****Alignment**

Name	MA0537.1 (BLMP-1)
Database	JASPAR CORE 2014
p-value	7.63e-03
E-value	7.47e+00
q-value	1.00e+00
Overlap	8
Offset	3
Orientation	Normal

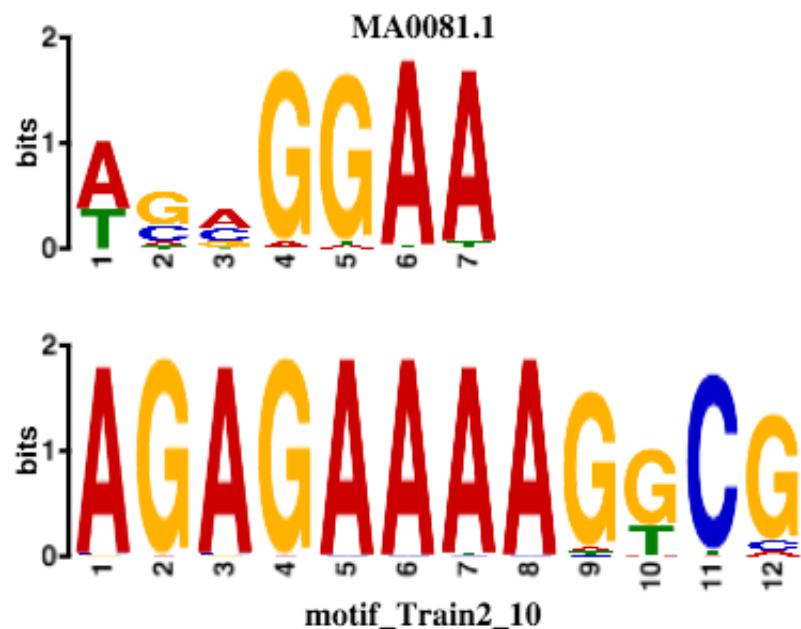
[Show logo download options](#)

Summary

Name	MA0514.1 (Sox3)
Database	JASPAR CORE 2014
p-value	7.66e-03
E-value	7.50e+00
q-value	1.00e+00
Overlap	10
Offset	0
Orientation	Reverse Complement
	Show logo download options

Alignment**Summary**

Name	MA0081.1 (SPIB)
Database	JASPAR CORE 2014
p-value	9.81e-03
E-value	9.60e+00
q-value	1.00e+00
Overlap	7
Offset	0
Orientation	Normal
	Show logo download options

Alignment**SETTINGS**[Previous](#) [Next](#) [Top](#)**Background**

Name	Bg.		Bg.	Name		
Adenine	0.250	A	~	T	0.250	Thymine
Cytosine	0.250	C	~	G	0.250	Guanine

Other Settings

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

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TOMTOM version

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

Reference

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

Command line

```
tomtom -no-ssc -oc . -verbosity 1 -min-overlap 5 -dist pearson -evalue -thresh 10.0 motif_group3.txt
```

Result calculation took 11.282 seconds

