Tomtom
Motif Comparison Tool

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]

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

QUERY MOTIFS   Next Top

Database	ID	Alt. ID	Preview
motif of interest	pattern/Type1/motif_visualization/pwm_Motif_100.feather	pattern/Type1/motif_visualization/pwm_Motif_100.feather	
motif of interest	pattern/Type1/motif_visualization/pwm_Motif_106.feather	pattern/Type1/motif_visualization/pwm_Motif_106.feather	
motif of interest	pattern/Type1/motif_visualization/pwm_Motif_125.feather	pattern/Type1/motif_visualization/pwm_Motif_125.feather	
motif of interest	pattern/Type1/motif_visualization/pwm_Motif_185.feather	pattern/Type1/motif_visualization/pwm_Motif_185.feather	
motif of interest	pattern/Type1/motif_visualization/pwm_Motif_275.feather	pattern/Type1/motif_visualization/pwm_Motif_275.feather	
motif of interest	pattern/Type1/motif_visualization/pwm_Motif_278.feather	pattern/Type1/motif_visualization/pwm_Motif_278.feather	
motif of interest	pattern/Type1/motif_visualization/pwm_Motif_29.feather	pattern/Type1/motif_visualization/pwm_Motif_29.feather	
motif of interest	pattern/Type1/motif_visualization/pwm_Motif_291.feather	pattern/Type1/motif_visualization/pwm_Motif_291.feather	
motif of interest	pattern/Type1/motif_visualization/pwm_Motif_4.feather	pattern/Type1/motif_visualization/pwm_Motif_4.feather	
motif of interest	pattern/Type1/motif_visualization/pwm_Motif_78.feather	pattern/Type1/motif_visualization/pwm_Motif_78.feather	

TARGET DATABASES   Previous Next Top

| Database	Used	Matched
Homo sapiens	733	42

MATCHES TO pattern/Type1/motif_visualization/pwm_Motif_185.feather (pattern/Type1/motif_visualization/pwm_Motif_185.feather)   Previous Next Top

Summary		Alignment
Name	M6483_1.02 (SP4)	
Database	Homo sapiens	
p-value	6.32e-05	
E-value	4.63e-02	
q-value	6.71e-02	
Overlap	8	

Offset	2
Orientation	Reverse Complement

Show logo download options

M6483_1.02

pattern/Type1/motif_visualization/pwm_Motif_185.feather
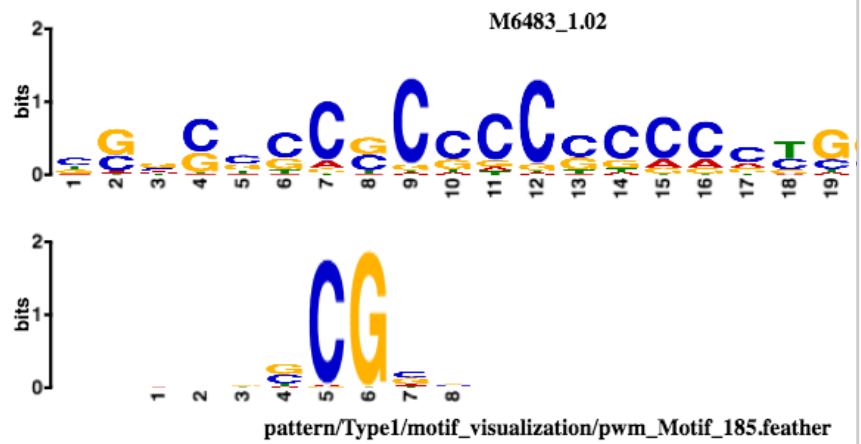
Summary | **Alignment**

Name	M0609_1.02 (DNMT1)
Database	Homo sapiens
p-value	1.01e-04
E-value	7.41e-02
q-value	6.71e-02
Overlap	8
Offset	1
Orientation	Normal

Show logo download options

M0609_1.02

ttern/Type1/motif_visualization/pwm_Motif_185.fe
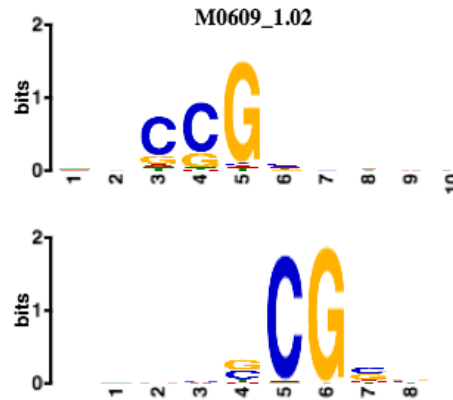
Summary | **Alignment**

Name	M1963_1.02 ((ZFY)_(Mus_musculus)_(DBD_0.97))
Database	Homo sapiens
p-value	2.88e-04
E-value	2.11e-01
q-value	6.71e-02
Overlap	8
Offset	1
Orientation	Normal

Show logo download options

M1963_1.02

pattern/Type1/motif_visualization/pwm_Motif_185.feather
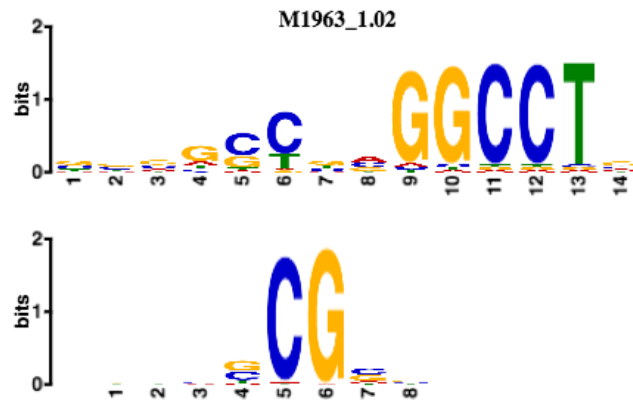
Summary | **Alignment**

Name	M6146_1.02 (TFAP2D)
Database	Homo sapiens
p-value	2.88e-04
E-value	2.11e-01
q-value	6.71e-02
Overlap	8
Offset	5
Orientation	Reverse Complement

Show logo download options

M6146_1.02

pattern/Type1/motif_visualization/pwm_Motif_185.feather
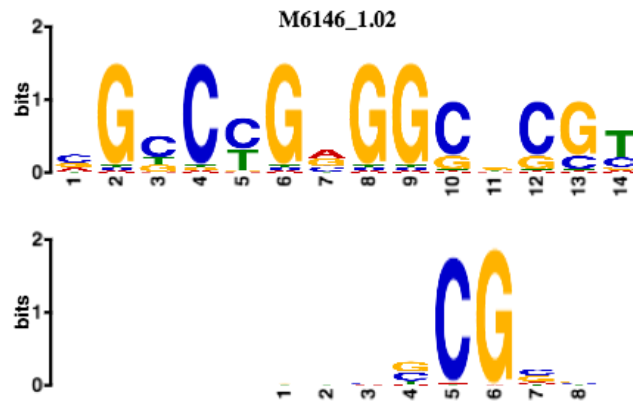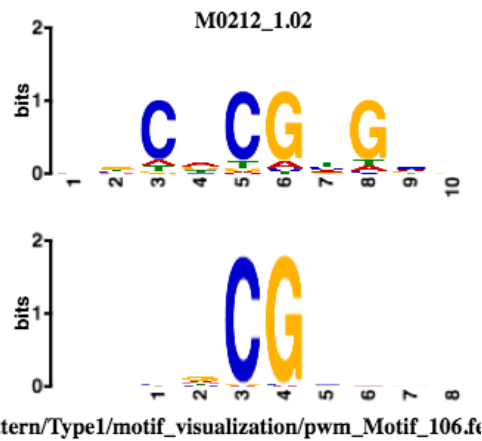
Summary | **Alignment**

Name	M6547_1.02 (ZFX)
Database	Homo sapiens
p-value	3.25e-04
E-value	2.38e-01
q-value	6.71e-02
Overlap	8
Offset	10
Orientation	Reverse Complement

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_185.feather

MATCHES TO PATTERN/TYPE1/MOTIF_VISUALIZATION/PWM_MOTIF_106.FEATHER (PATTERN/TYPE1/MOTIF_VISUALIZATION/PWM_MOTIF_106.FEATHER)

Summary | **Alignment**

Name	M0212_1.02 ((TCFL5)_(Mus_musculus)_(DBD_1.00))
Database	Homo sapiens
p-value	8.01e-05
E-value	5.87e-02
q-value	5.74e-02
Overlap	8
Offset	2
Orientation	Normal

Show logo download options

ttern/Type1/motif_visualization/pwm_Motif_106.fe

Summary | **Alignment**

Name	M1927_1.02 ((MYCL1)_(Mus_musculus)_(DBD_0.66))
Database	Homo sapiens
p-value	1.25e-04
E-value	9.14e-02
q-value	5.96e-02
Overlap	8
Offset	0
Orientation	Reverse Complement

Show logo download options

ı/Type1/motif_visualization/pwm_Motif_1

MATCHES TO PATTERN/TYPE1/MOTIF_VISUALIZATION/PWM_MOTIF_275.FEATHER (PATTERN/TYPE1/MOTIF_VISUALIZATION/PWM_MOTIF_275.FEATHER)

Summary | **Alignment**
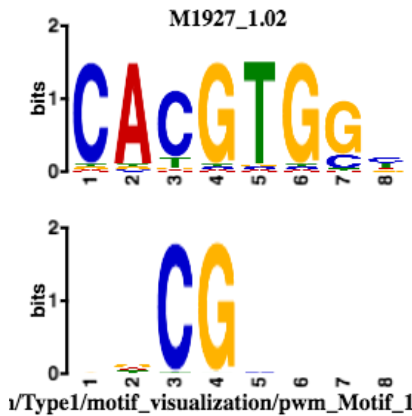
Name	M4427_1.02 (CTCF)
Database	Homo sapiens
p-value	4.22e-06
E-value	3.09e-03
q-value	3.76e-03

M4427_1.02

pattern/Type1/motif_visualization/pwm_Motif_275.feathe

Overlap	8
Offset	3
Orientation	Reverse Complement

Show logo download options
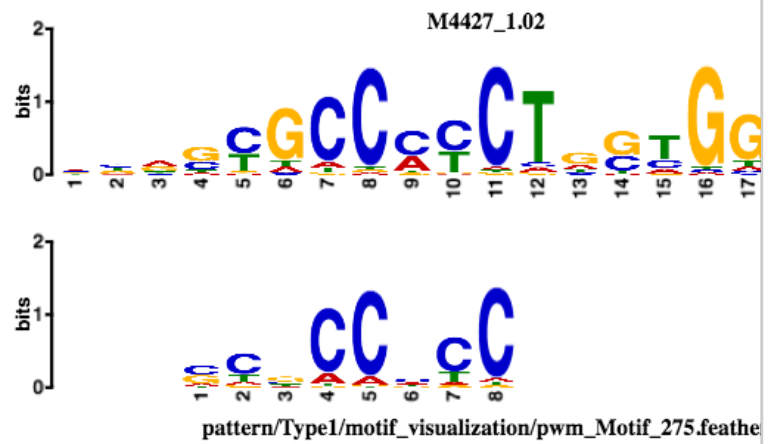
Summary | **Alignment**

Name	M4612_1.02 (CTCFL)
Database	Homo sapiens
p-value	7.75e-06
E-value	5.68e-03
q-value	3.76e-03
Overlap	8
Offset	1
Orientation	Reverse Complement

Show logo download options

M4612_1.02

pattern/Type1/motif_visualization/pwm_Motif_275.feather
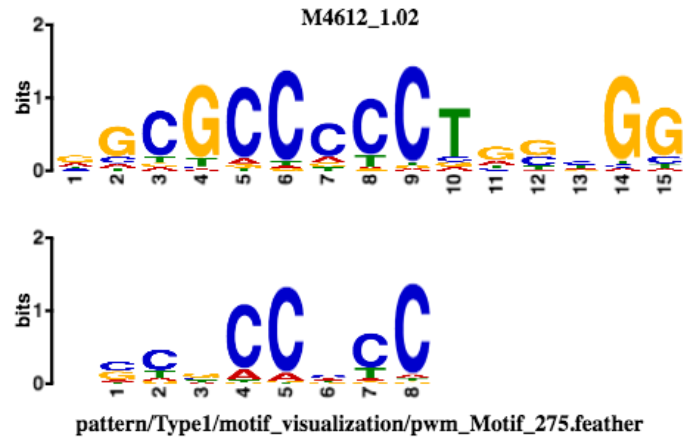
Summary | **Alignment**

Name	M6325_1.02 (KLF6)
Database	Homo sapiens
p-value	7.89e-06
E-value	5.78e-03
q-value	3.76e-03
Overlap	8
Offset	0
Orientation	Reverse Complement

Show logo download options

M6325_1.02

ι/Type1/motif_visualization/pwm_Motif_2
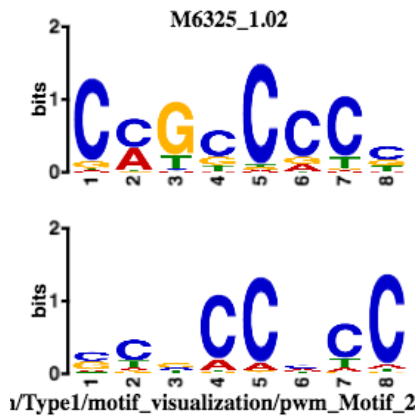
Summary | **Alignment**

Name	M1906_1.02 (SP1)
Database	Homo sapiens
p-value	2.17e-05
E-value	1.59e-02
q-value	7.02e-03
Overlap	8
Offset	3
Orientation	Reverse Complement

Show logo download options

M1906_1.02

pattern/Type1/motif_visualization/pwm_Motif_275.feat
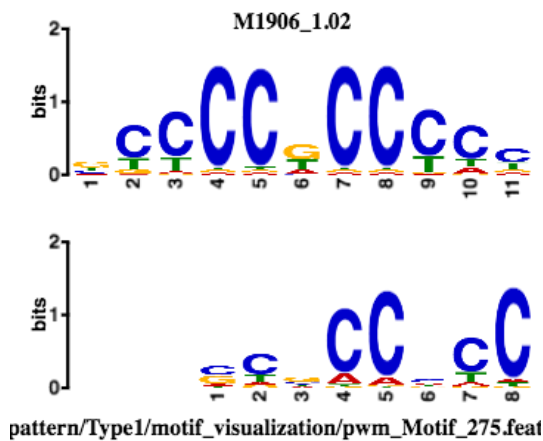
Summary | **Alignment**

Name	M6482_1.02 (SP3)	
Database	Homo sapiens	
p-value	2.73e-05	
E-value	2.00e-02	
q-value	7.02e-03	
Overlap	8	
Offset	8	
Orientation	Reverse Complement	

Show logo download options

M6482_1.02

pattern/Type1/motif_visualization/pwm_Motif_275.feather
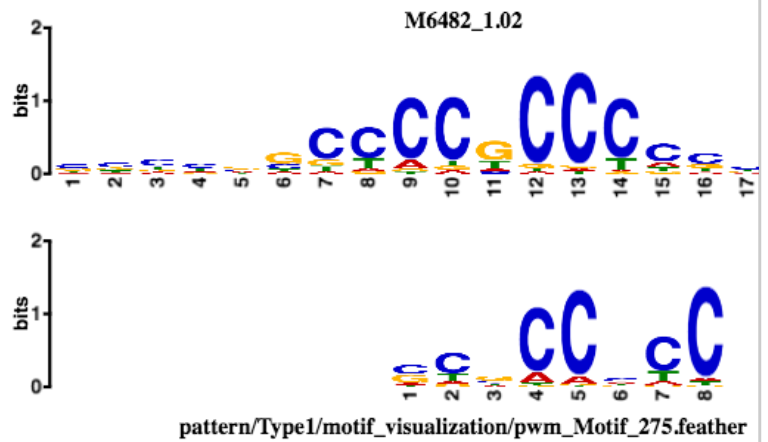
Summary   **Alignment**

Name	M6535_1.02 (WT1)	
Database	Homo sapiens	
p-value	2.94e-05	
E-value	2.16e-02	
q-value	7.02e-03	
Overlap	8	
Offset	3	
Orientation	Reverse Complement	

Show logo download options

M6535_1.02

pattern/Type1/motif_visualization/pwm_Motif_275.feather
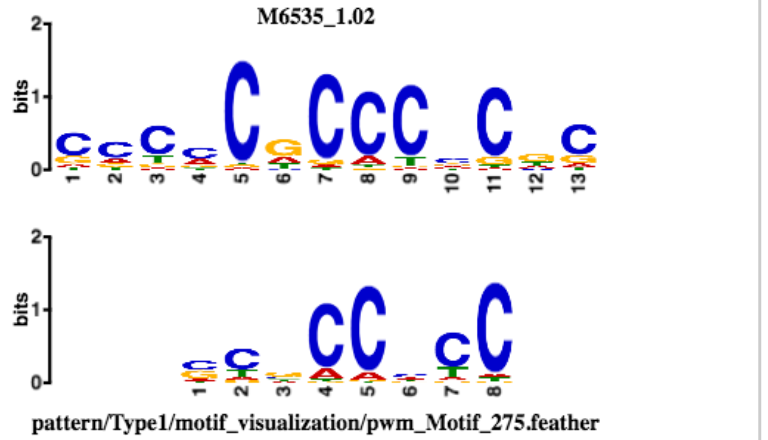
Summary   **Alignment**

Name	M2314_1.02 (SP2)	
Database	Homo sapiens	
p-value	3.93e-05	
E-value	2.88e-02	
q-value	8.02e-03	
Overlap	8	
Offset	3	
Orientation	Reverse Complement	

Show logo download options

M2314_1.02

pattern/Type1/motif_visualization/pwm_Motif_275.feather
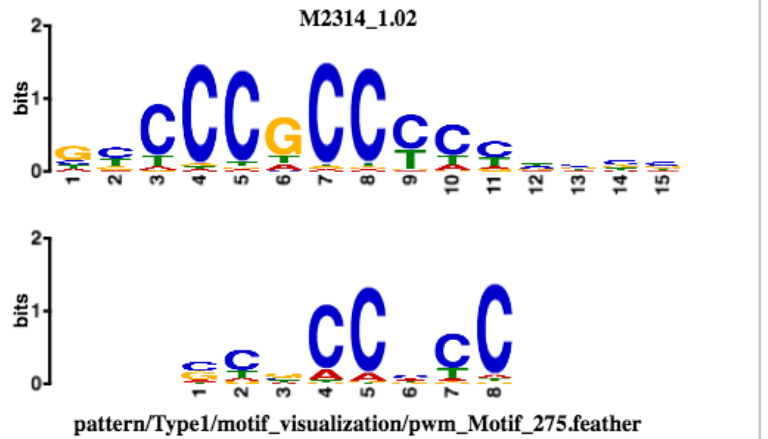
Summary   **Alignment**

Name	M6483_1.02 (SP4)	
Database	Homo sapiens	
p-value	5.30e-05	
E-value	3.88e-02	
q-value	9.41e-03	
Overlap	8	
Offset	5	
Orientation	Reverse Complement	

Show logo download options

M6483_1.02

pattern/Type1/motif_visualization/pwm_Motif_275.
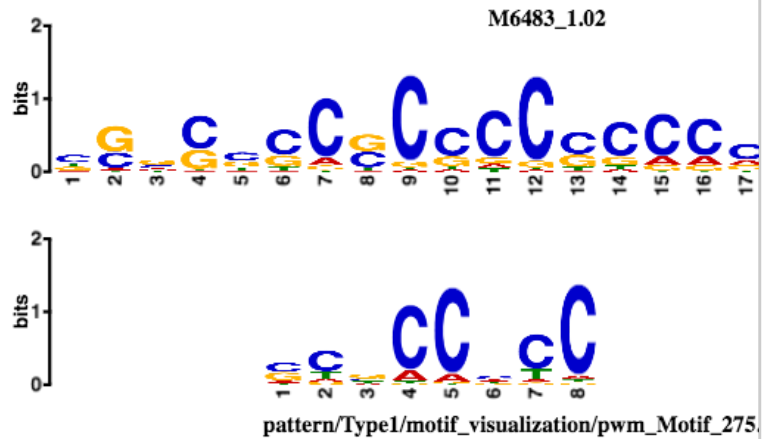
Summary   **Alignment**

Name	M6539_1.02 (ZBTB7B)
Database	Homo sapiens
p-value	5.92e-05
E-value	4.34e-02
q-value	9.41e-03
Overlap	8
Offset	8
Orientation	Reverse Complement
	Show logo download options
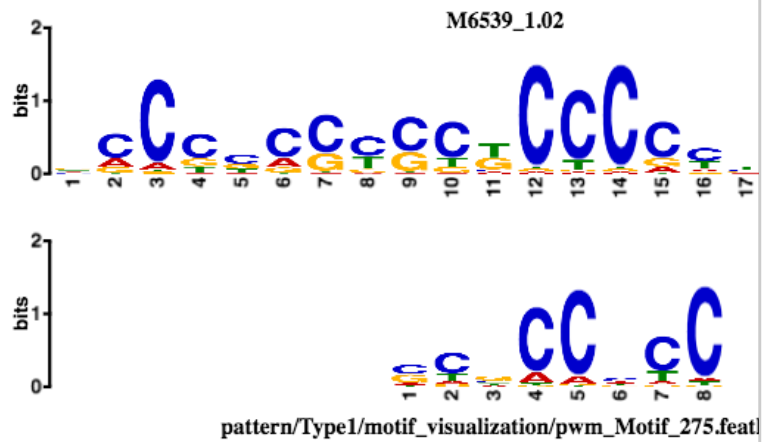
Summary   **Alignment**

Name	M6553_1.02 (ZNF219)
Database	Homo sapiens
p-value	8.55e-05
E-value	6.27e-02
q-value	1.22e-02
Overlap	8
Offset	1
Orientation	Reverse Complement
	Show logo download options
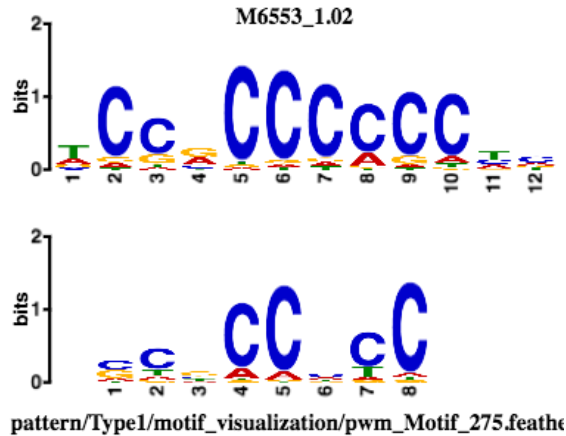
Summary   **Alignment**

Name	M4459_1.02 (EGR1)
Database	Homo sapiens
p-value	1.43e-04
E-value	1.05e-01
q-value	1.86e-02
Overlap	8
Offset	8
Orientation	Reverse Complement
	Show logo download options
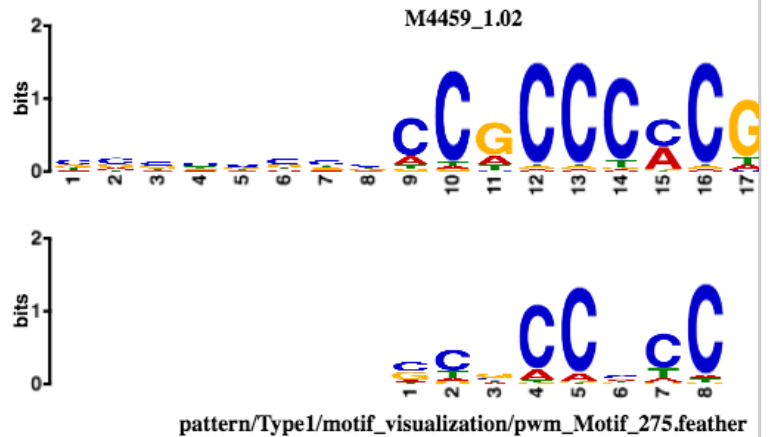
Summary   **Alignment**

Name	M5593_1.02 (KLF16)
Database	Homo sapiens
p-value	2.07e-04
E-value	1.52e-01
q-value	2.47e-02
Overlap	8
Offset	3
Orientation	Reverse Complement
	Show logo download options
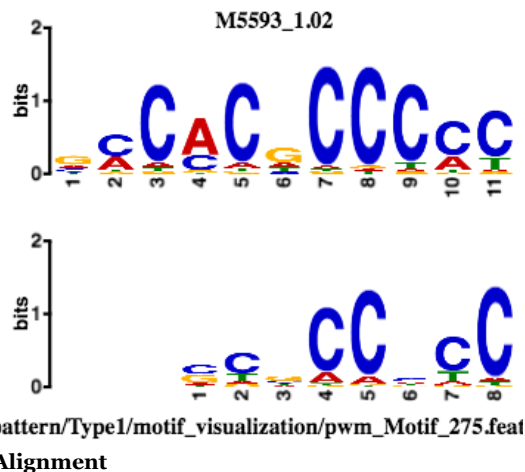
Summary   **Alignment**

Name	M5977_1.02 (ZNF740)
Database	Homo sapiens
p-value	2.41e-04
E-value	1.77e-01
q-value	2.66e-02
Overlap	8
Offset	0
Orientation	Reverse Complement

Show logo download options
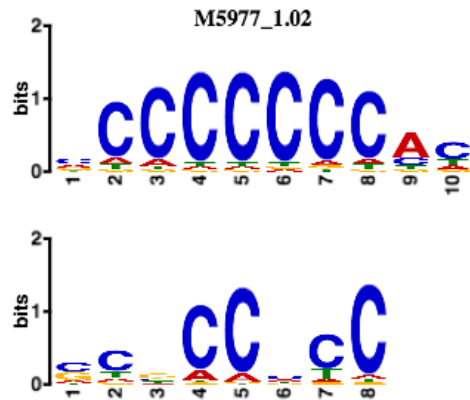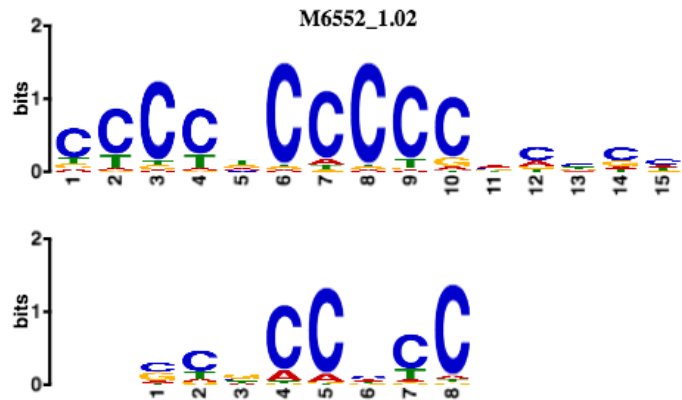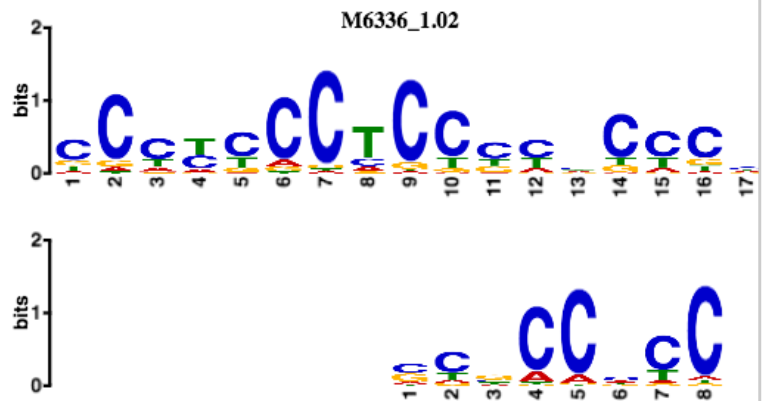

ttern/Type1/motif_visualization/pwm_Motif_275.fe

Summary **Alignment**

Name	M6552_1.02 (ZNF148)
Database	Homo sapiens
p-value	2.90e-04
E-value	2.12e-01
q-value	2.96e-02
Overlap	8
Offset	2
Orientation	Reverse Complement

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_275.feather

Summary **Alignment**

Name	M6336_1.02 (MAZ)
Database	Homo sapiens
p-value	3.61e-04
E-value	2.65e-01
q-value	3.45e-02
Overlap	8
Offset	8
Orientation	Reverse Complement

Show logo download options
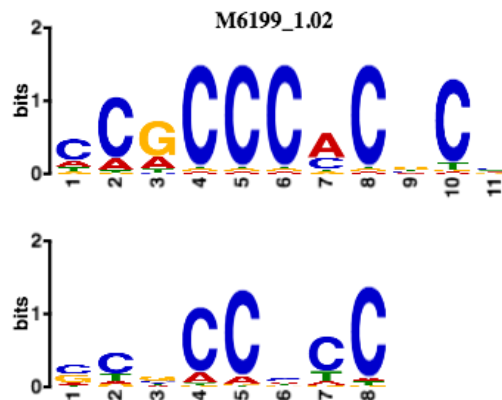

pattern/Type1/motif_visualization/pwm_Motif_275.feather

Summary **Alignment**

Name	M6199_1.02 (EGR2)
Database	Homo sapiens
p-value	3.90e-04
E-value	2.86e-01
q-value	3.49e-02
Overlap	8
Offset	0
Orientation	Reverse Complement

Show logo download options
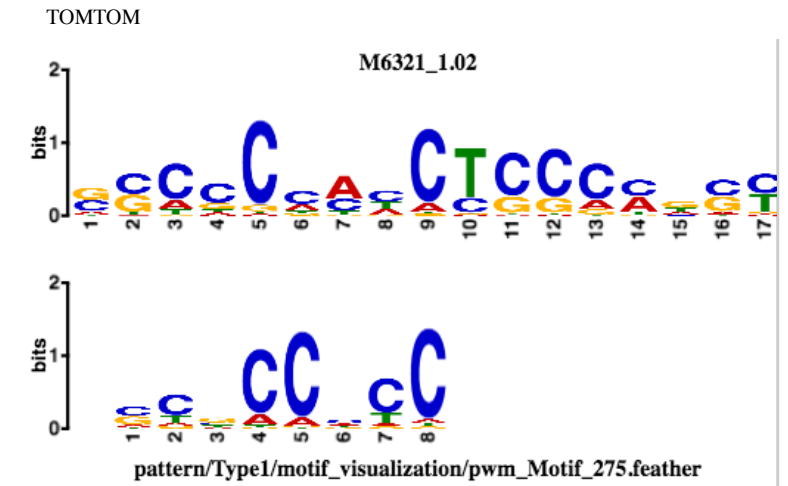

pattern/Type1/motif_visualization/pwm_Motif_275.feat

Summary **Alignment**

Name	[M6321_1.02 (KLF15)](#)
Database	Homo sapiens
p-value	5.80e-04
E-value	4.25e-01
q-value	4.88e-02
Overlap	8
Offset	1
Orientation	Reverse Complement

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_275.feather

Summary   **Alignment**

Name	[M5209_1.02 ((SP5) (Drosophila_melanogaster) (DBD_0.93))](#)
Database	Homo sapiens
p-value	6.84e-04
E-value	5.01e-01
q-value	5.06e-02
Overlap	8
Offset	3
Orientation	Reverse Complement

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_275.feat
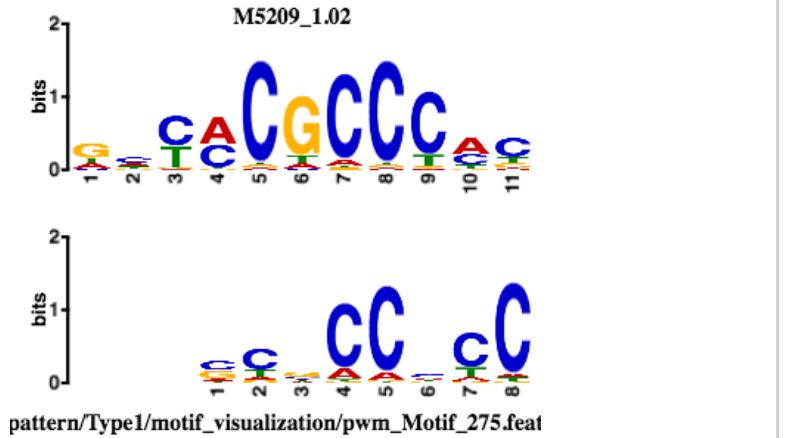
Summary   **Alignment**

Name	[M6306_1.02 (INSM1)](#)
Database	Homo sapiens
p-value	6.85e-04
E-value	5.02e-01
q-value	5.06e-02
Overlap	7
Offset	-1
Orientation	Reverse Complement

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_275.feather
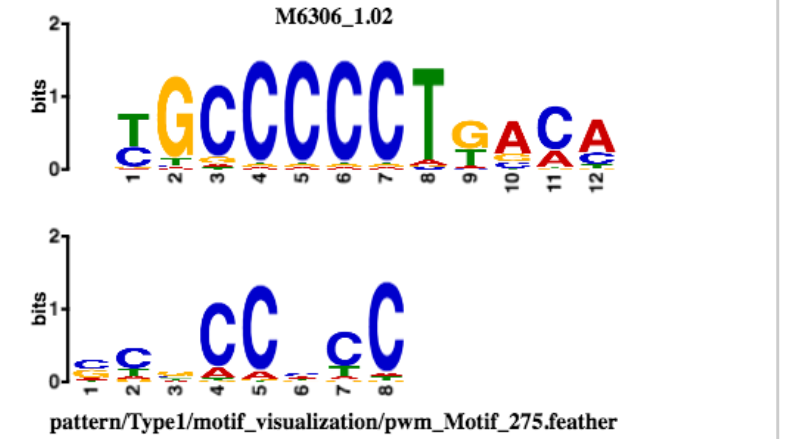
Summary   **Alignment**

Name	[M4640_1.02 (ZBTB7A)](#)
Database	Homo sapiens
p-value	7.07e-04
E-value	5.18e-01
q-value	5.06e-02
Overlap	8
Offset	2
Orientation	Reverse Complement

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_275.feather
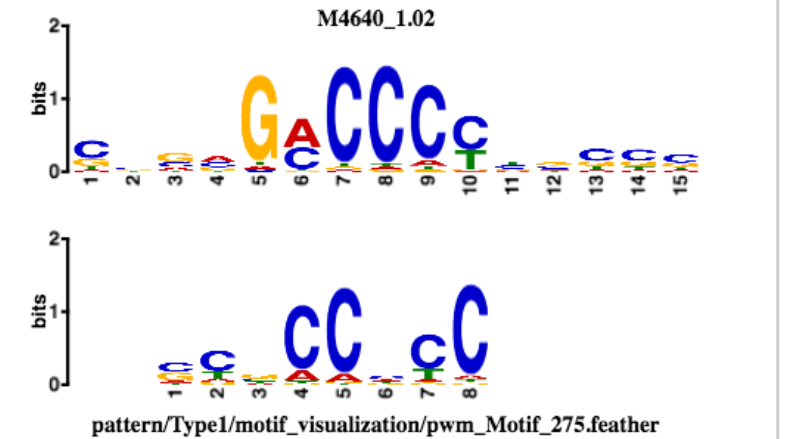
Summary   **Alignment**

Name	M6123_1.02 ((ZNF281)_(Mus_musculus)_(DBD_1.00))
Database	Homo sapiens
p-value	8.13e-04
E-value	5.96e-01
q-value	5.54e-02
Overlap	8
Offset	2
Orientation	Reverse Complement

Show logo download options
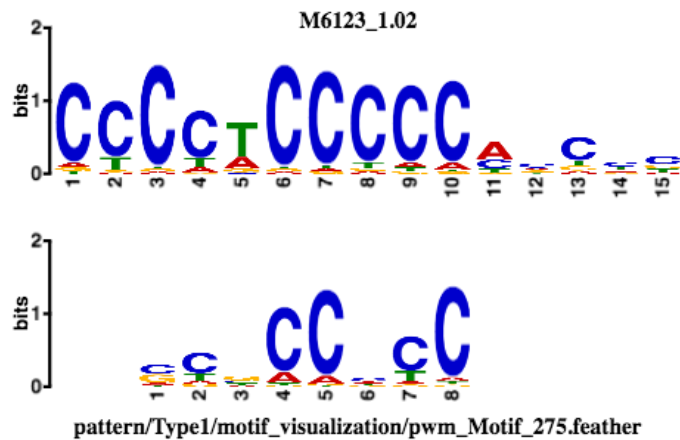
Summary   **Alignment**

Name	M6442_1.02 (PURA)
Database	Homo sapiens
p-value	1.01e-03
E-value	7.40e-01
q-value	6.35e-02
Overlap	8
Offset	2
Orientation	Normal

Show logo download options
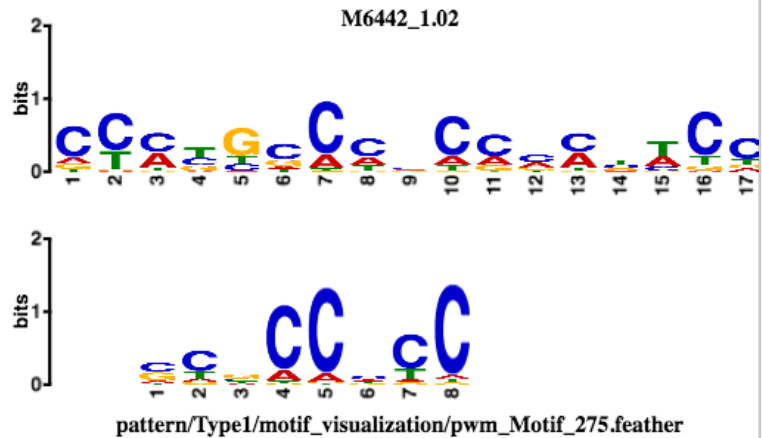
Summary   **Alignment**

Name	M6201_1.02 (EGR4)
Database	Homo sapiens
p-value	1.02e-03
E-value	7.48e-01
q-value	6.35e-02
Overlap	8
Offset	3
Orientation	Reverse Complement

Show logo download options
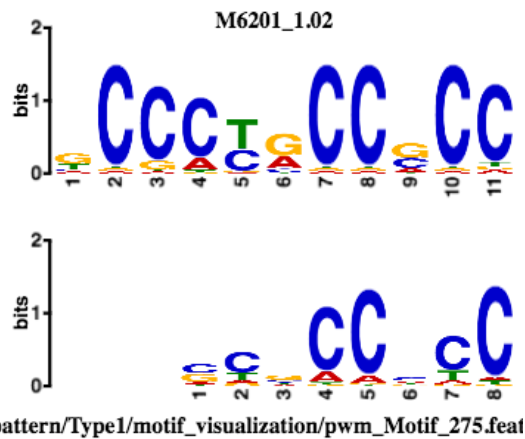
Summary   **Alignment**

Name	M5592_1.02 (KLF14)
Database	Homo sapiens
p-value	1.16e-03
E-value	8.51e-01
q-value	6.92e-02
Overlap	8
Offset	4
Orientation	Reverse Complement

Show logo download options
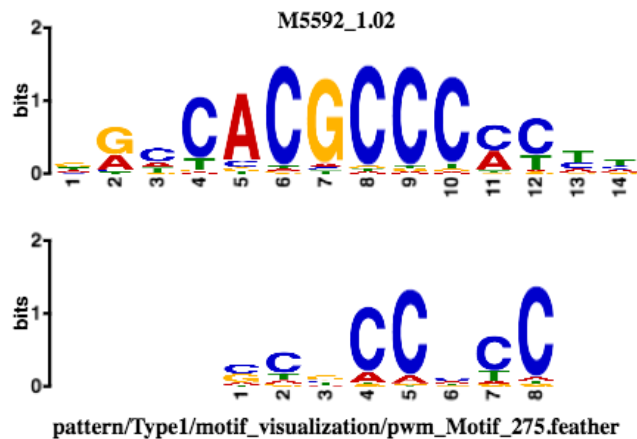
Summary   **Alignment**

Name	M6422_1.02 (PLAGL1)	
Database	Homo sapiens	
p-value	1.21e-03	
E-value	8.89e-01	
q-value	6.92e-02	
Overlap	8	
Offset	0	
Orientation	Reverse Complement	
Show logo download options		

ttern/Type1/motif_visualization/pwm_Motif_275.fe

Summary   **Alignment**
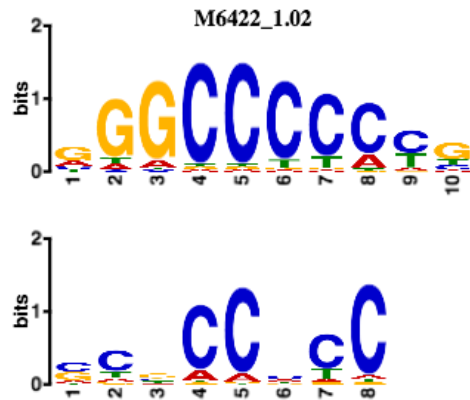
Name	M5856_1.02 (SP8)	
Database	Homo sapiens	
p-value	1.26e-03	
E-value	9.21e-01	
q-value	6.92e-02	
Overlap	8	
Offset	3	
Orientation	Reverse Complement	
Show logo download options		

pattern/Type1/motif_visualization/pwm_Motif_275.feathe

Summary   **Alignment**
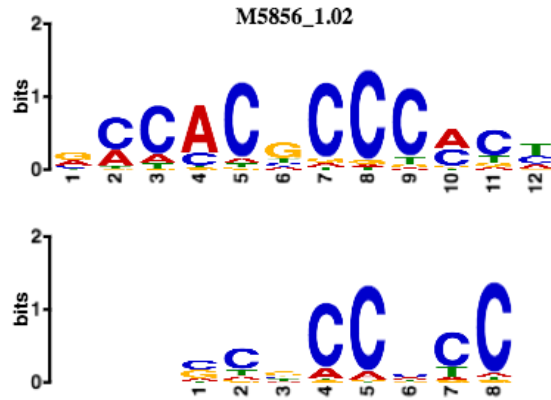
Name	M0404_1.02 ((ZNF202)_(Mus_musculus)_(DBD_0.87))	
Database	Homo sapiens	
p-value	1.80e-03	
E-value	1.32e+00	
q-value	9.43e-02	
Overlap	8	
Offset	1	
Orientation	Reverse Complement	
Show logo download options		

ttern/Type1/motif_visualization/pwm_Motif_275.fe

Summary   **Alignment**
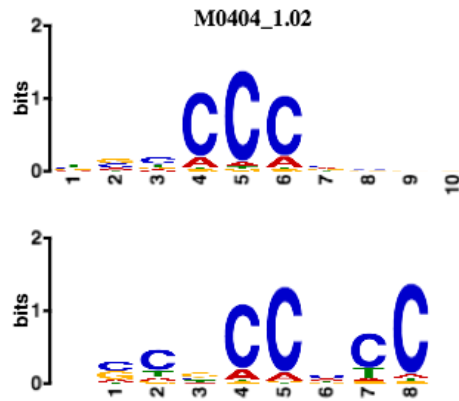
Name	M6270_1.02 (NHLH1)	
Database	Homo sapiens	
p-value	1.85e-03	
E-value	1.35e+00	
q-value	9.43e-02	
Overlap	8	
Offset	12	
Orientation	Normal	
Show logo download options		
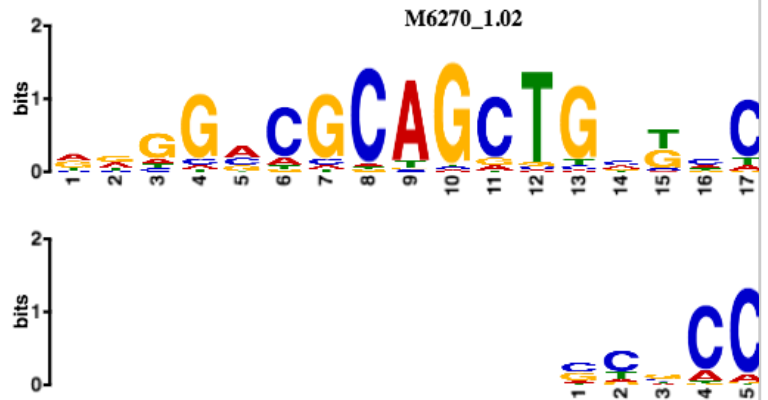
pattern/Type1/motif_visualization/pwm_Motif_275.feather

MATCHES TO PATTERN/TYPE1/MOTIF_VISUALIZATION/PWM_MOTIF_78.FEATHER (PATTERN/TYPE1/MOTIF_VISUALIZATION/PWM_MOTIF_78.FEATHER)
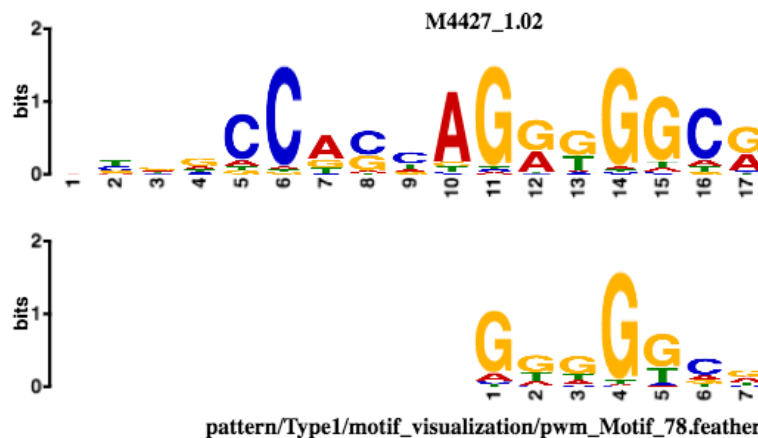
Summary		Alignment
Name	M4427_1.02 (CTCF)	
Database	Homo sapiens	
p-value	1.13e-05	
E-value	8.25e-03	
q-value	4.16e-03	
Overlap	8	
Offset	10	
Orientation	Normal	
	Show logo download options	

Summary		Alignment
Name	M1906_1.02 (SP1)	
Database	Homo sapiens	
p-value	1.38e-05	
E-value	1.01e-02	
q-value	4.16e-03	
Overlap	8	
Offset	0	
Orientation	Normal	
	Show logo download options	
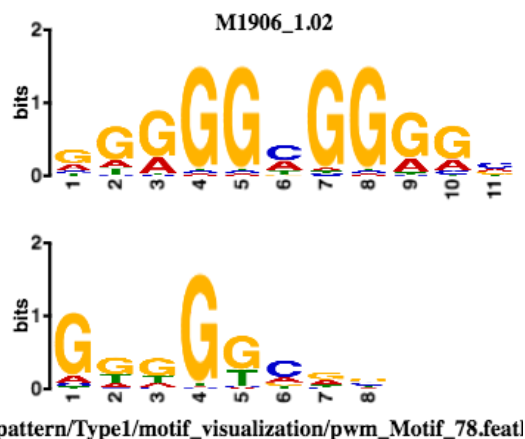
Summary		Alignment
Name	M6535_1.02 (WT1)	
Database	Homo sapiens	
p-value	1.62e-05	
E-value	1.19e-02	
q-value	4.16e-03	
Overlap	8	
Offset	2	
Orientation	Normal	
	Show logo download options	
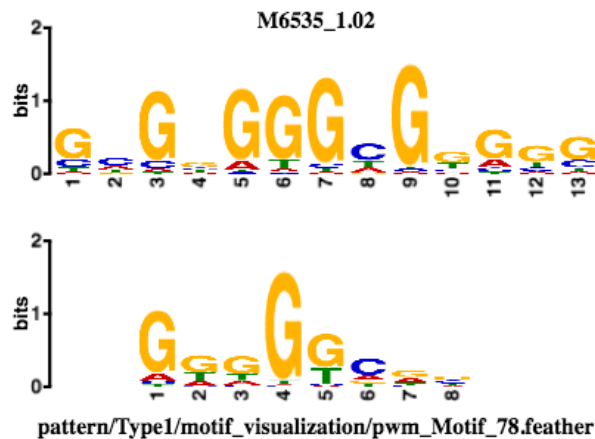
Summary		Alignment
Name	M6482_1.02 (SP3)	
Database	Homo sapiens	
p-value	1.73e-05	
E-value	1.27e-02	
q-value	4.16e-03	
Overlap	8	
Offset	4	
Orientation	Normal	
	Show logo download options	

M6482_1.02

pattern/Type1/motif_visualization/pwm_Motif_78.feather

Summary

Alignment

M6325_1.02

Name	M6325_1.02 (KLF6)
Database	Homo sapiens
p-value	1.76e-05
E-value	1.29e-02
q-value	4.16e-03
Overlap	8
Offset	0
Orientation	Normal

Show logo download options

n/Type1/motif_visualization/pwm_Motif_7

Summary

Alignment

M2314_1.02

Name	M2314_1.02 (SP2)
Database	Homo sapiens
p-value	2.16e-05
E-value	1.58e-02
q-value	4.16e-03
Overlap	8
Offset	4
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.feather

Summary

Alignment

M4612_1.02

Name	M4612_1.02 (CTCFL)
Database	Homo sapiens
p-value	2.16e-05
E-value	1.58e-02
q-value	4.16e-03
Overlap	8
Offset	6
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.feather

Summary

Alignment

Name	M4459_1.02 (EGR1)
Database	Homo sapiens
p-value	2.34e-05
E-value	1.72e-02
q-value	4.16e-03
Overlap	8
Offset	4
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.feather
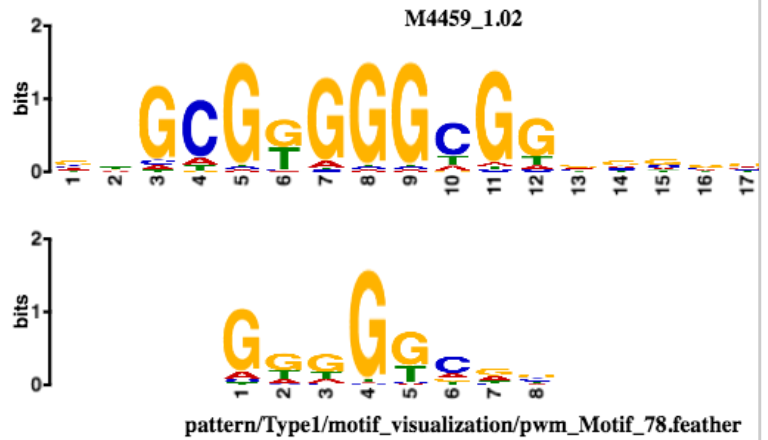
Summary   **Alignment**

Name	M6553_1.02 (ZNF219)
Database	Homo sapiens
p-value	5.77e-05
E-value	4.23e-02
q-value	9.11e-03
Overlap	8
Offset	3
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.feather
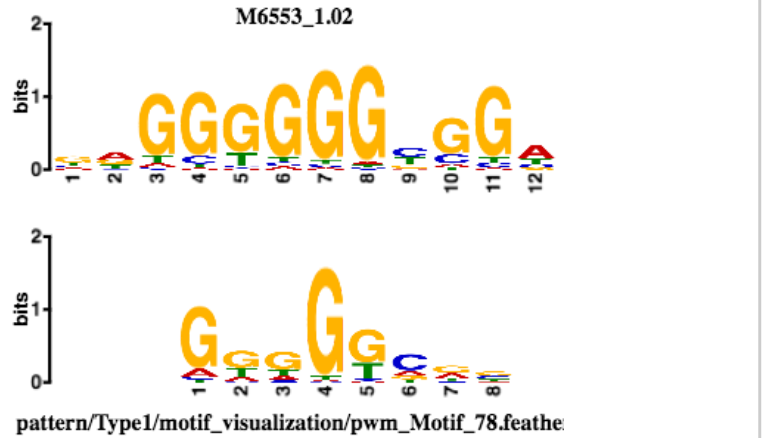
Summary   **Alignment**

Name	M5593_1.02 (KLF16)
Database	Homo sapiens
p-value	8.22e-05
E-value	6.03e-02
q-value	1.14e-02
Overlap	8
Offset	0
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.feath
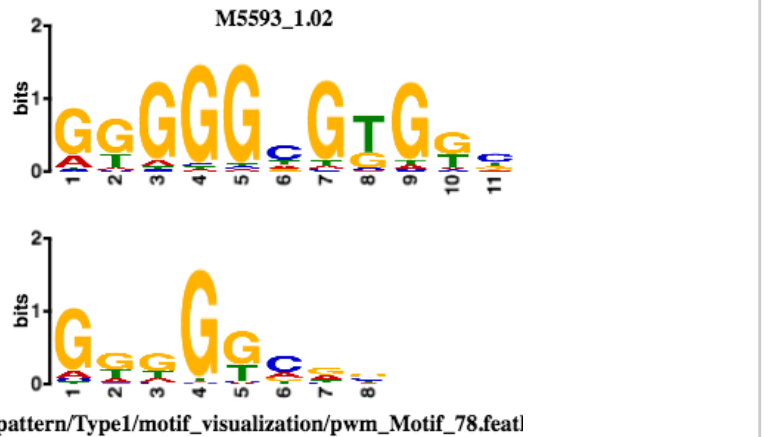
Summary   **Alignment**

Name	M6539_1.02 (ZBTB7B)
Database	Homo sapiens
p-value	8.92e-05
E-value	6.54e-02
q-value	1.14e-02
Overlap	8
Offset	6
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.feath
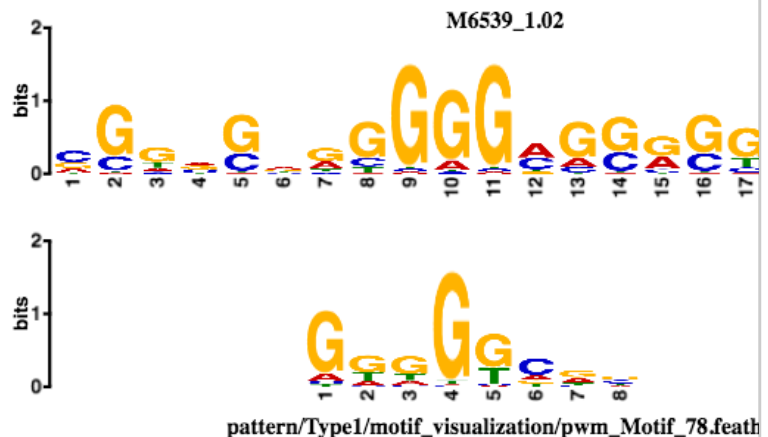
Summary   **Alignment**

Name	M6199_1.02 (EGR2)	
Database	Homo sapiens	
p-value	9.60e-05	
E-value	7.04e-02	
q-value	1.14e-02	
Overlap	8	
Offset	3	
Orientation	Normal	
Show logo download options		

M6199_1.02

pattern/Type1/motif_visualization/pwm_Motif_78.featl

Summary   **Alignment**
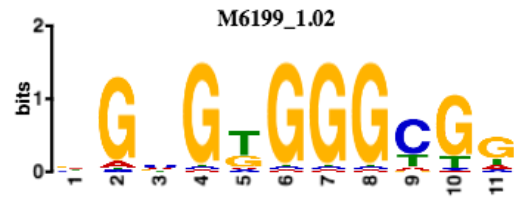
Name	M5209_1.02 ((SP5) (Drosophila_melanogaster) (DBD_0.93))	
Database	Homo sapiens	
p-value	1.12e-04	
E-value	8.20e-02	
q-value	1.22e-02	
Overlap	8	
Offset	0	
Orientation	Normal	
Show logo download options		

M5209_1.02
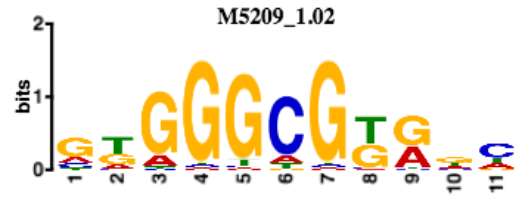
pattern/Type1/motif_visualization/pwm_Motif_78.featl

Summary   **Alignment**

Name	M6442_1.02 (PURA)	
Database	Homo sapiens	
p-value	1.37e-04	
E-value	1.00e-01	
q-value	1.39e-02	
Overlap	8	
Offset	7	
Orientation	Reverse Complement	
Show logo download options		
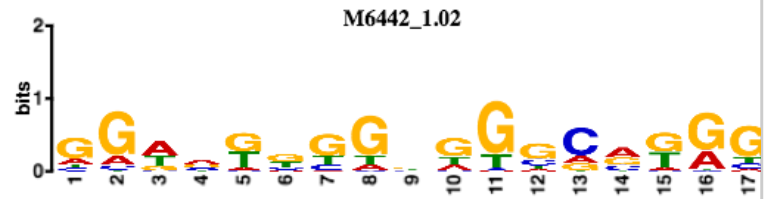
M6442_1.02

pattern/Type1/motif_visualization/pwm_Motif_78.feather

Summary   **Alignment**

Name	M6306_1.02 (INSM1)	
Database	Homo sapiens	
p-value	1.62e-04	
E-value	1.19e-01	
q-value	1.54e-02	
Overlap	7	
Offset	5	
Orientation	Normal	
Show logo download options		

M6306_1.02

pattern/Type1/motif_visualization/pwm_Motif_78.feather

Summary   **Alignment**

Name	M6483_1.02 (SP4)
Database	Homo sapiens
p-value	2.33e-04
E-value	1.71e-01
q-value	2.07e-02
Overlap	8
Offset	11
Orientation	Normal

Show logo download options

M6483_1.02

pattern/Type1/motif_visualization/pwm_Motif_78.
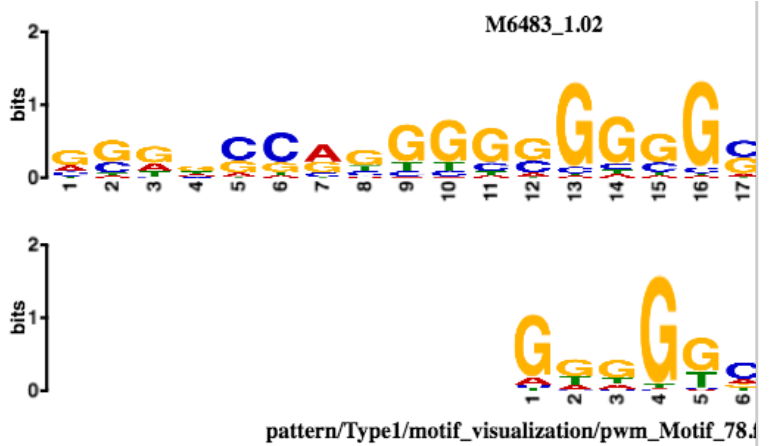
Summary **Alignment**

Name	M6201_1.02 (EGR4)
Database	Homo sapiens
p-value	2.72e-04
E-value	2.00e-01
q-value	2.27e-02
Overlap	8
Offset	0
Orientation	Normal

Show logo download options

M6201_1.02

pattern/Type1/motif_visualization/pwm_Motif_78.featl
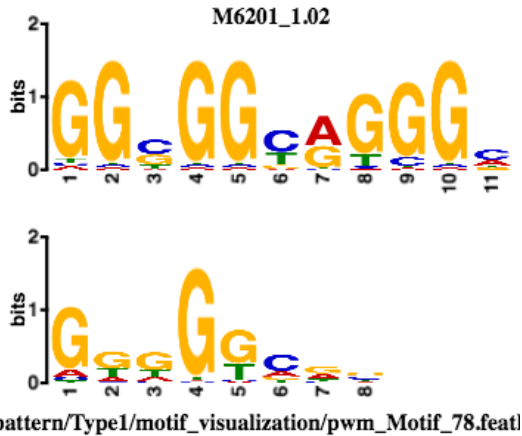
Summary **Alignment**

Name	M5856_1.02 (SP8)
Database	Homo sapiens
p-value	2.92e-04
E-value	2.14e-01
q-value	2.31e-02
Overlap	8
Offset	1
Orientation	Normal

Show logo download options

M5856_1.02

pattern/Type1/motif_visualization/pwm_Motif_78.feathe
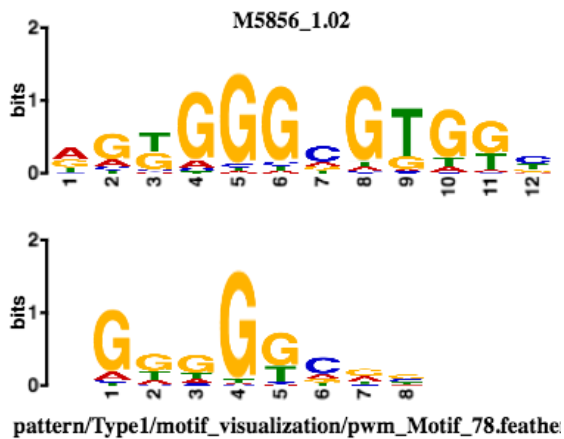
Summary **Alignment**

Name	M5592_1.02 (KLF14)
Database	Homo sapiens
p-value	3.77e-04
E-value	2.77e-01
q-value	2.82e-02
Overlap	8
Offset	2
Orientation	Normal

Show logo download options

M5592_1.02

pattern/Type1/motif_visualization/pwm_Motif_78.feather
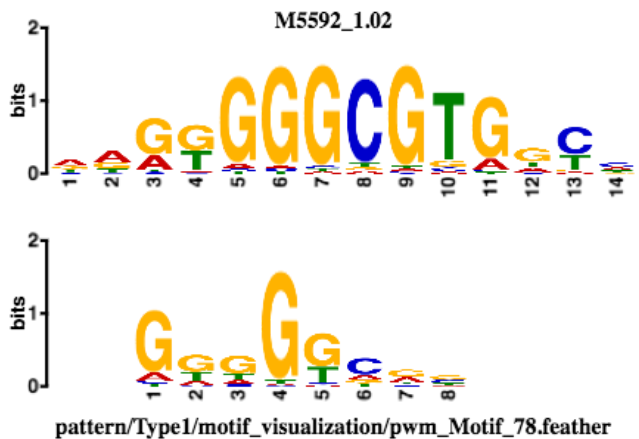
Summary **Alignment**

Name	M6552_1.02 (ZNF148)
Database	Homo sapiens
p-value	4.30e-04
E-value	3.15e-01
q-value	3.05e-02
Overlap	8
Offset	5
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.feather
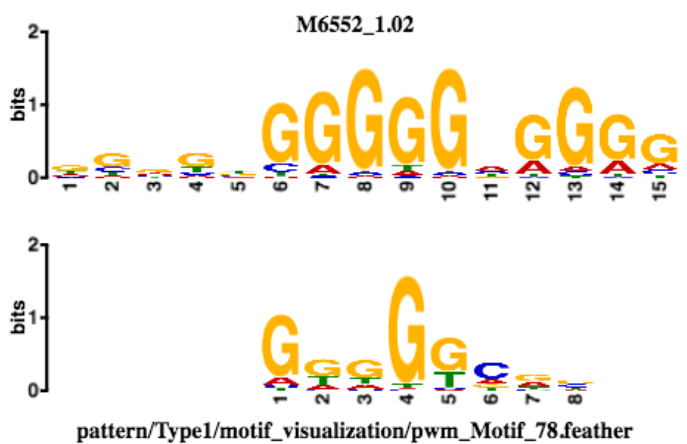
Summary **Alignment**

Name	M5977_1.02 (ZNF740)
Database	Homo sapiens
p-value	5.57e-04
E-value	4.08e-01
q-value	3.77e-02
Overlap	8
Offset	2
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.fe
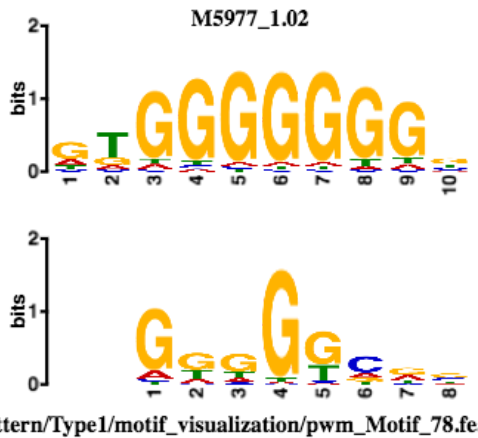
Summary **Alignment**

Name	M4640_1.02 (ZBTB7A)
Database	Homo sapiens
p-value	7.02e-04
E-value	5.15e-01
q-value	4.53e-02
Overlap	8
Offset	5
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.feather
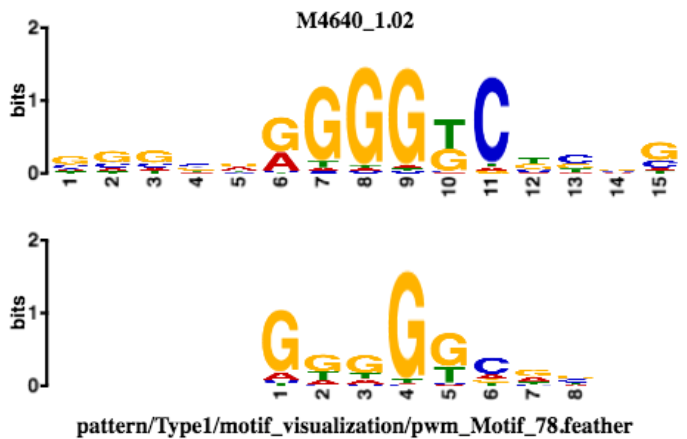
Summary **Alignment**

Name	M6336_1.02 (MAZ)
Database	Homo sapiens
p-value	9.35e-04
E-value	6.85e-01
q-value	5.77e-02
Overlap	8
Offset	1
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.feather
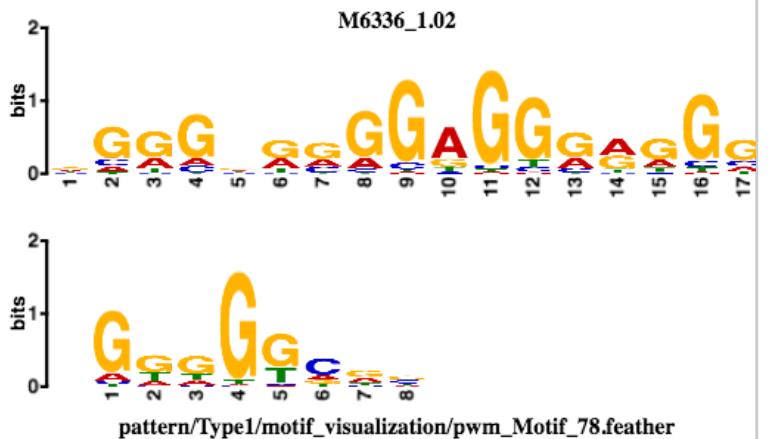
Summary **Alignment**

Name	M6446_1.02 (RARG)
Database	Homo sapiens
***p*-value**	9.83e-04
***E*-value**	7.20e-01
***q*-value**	5.82e-02
Overlap	8
Offset	1
Orientation	Reverse Complement
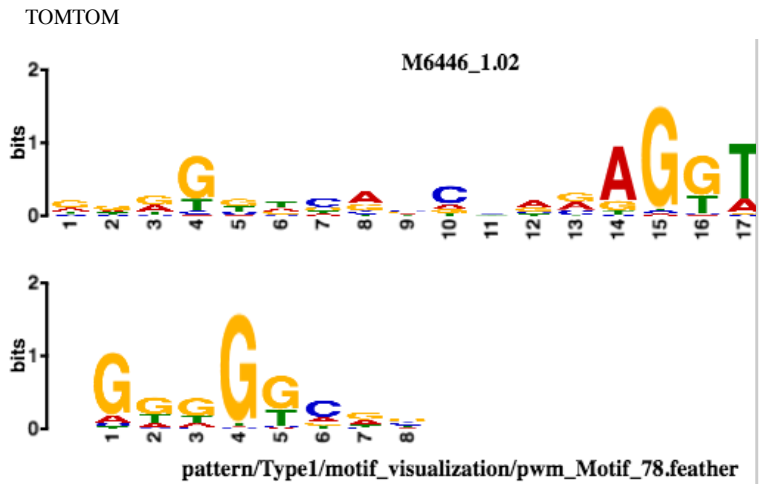
Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.feather

Summary   **Alignment**

Name	M6123_1.02 ((ZNF281)_(Mus_musculus)_(DBD_1.00))
Database	Homo sapiens
***p*-value**	1.22e-03
***E*-value**	8.91e-01
***q*-value**	6.91e-02
Overlap	8
Offset	5
Orientation	Normal
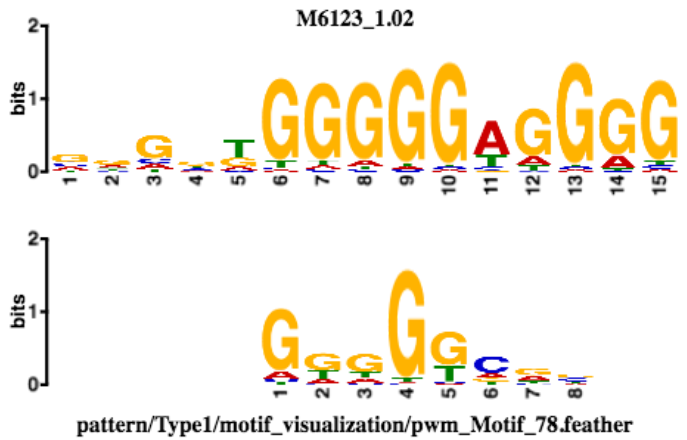
Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.feather

Summary   **Alignment**

Name	M0404_1.02 ((ZNF202)_(Mus_musculus)_(DBD_0.87))
Database	Homo sapiens
***p*-value**	1.31e-03
***E*-value**	9.61e-01
***q*-value**	7.16e-02
Overlap	7
Offset	3
Orientation	Normal
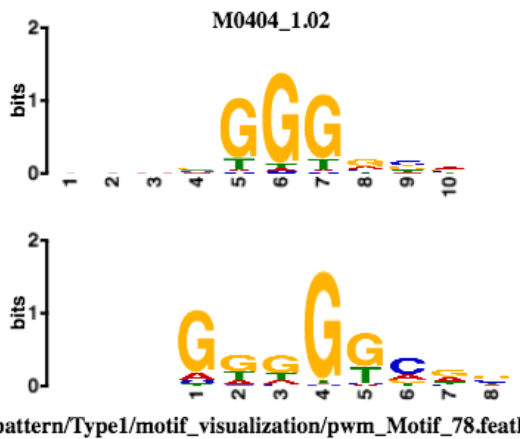
Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_78.featl

MATCHES TO PATTERN/TYPE1/MOTIF_VISUALIZATION/PWM_MOTIF_291.FEATHER (PATTERN/TYPE1/MOTIF_VISUALIZATION/PWM_MOTIF_291.FEATHER)

Summary   **Alignment**

Name	M4612_1.02 (CTCFL)
Database	Homo sapiens
***p*-value**	1.44e-07
***E*-value**	1.05e-04
***q*-value**	2.07e-04
Overlap	8
Offset	5
Orientation	Normal

M4612_1.02

pattern/Type1/motif_visualization/pwm_Motif_291.feather
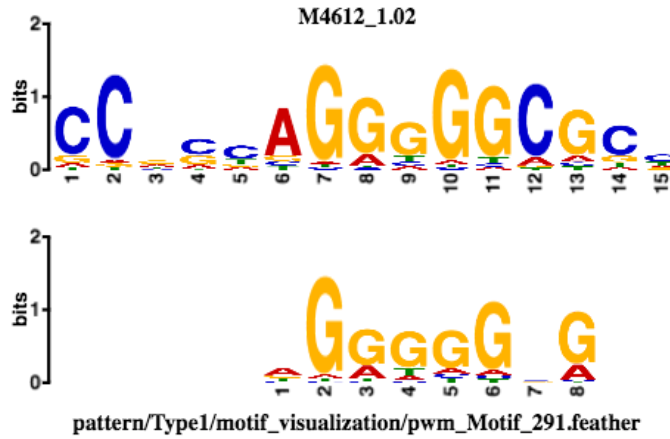
Summary		**Alignment**

M4427_1.02

Name	M4427_1.02 (CTCF)	
Database	Homo sapiens	
p-value	1.60e-05	
E-value	1.18e-02	
q-value	1.16e-02	
Overlap	8	
Offset	9	
Orientation	Normal	

pattern/Type1/motif_visualization/pwm_Motif_291.feather
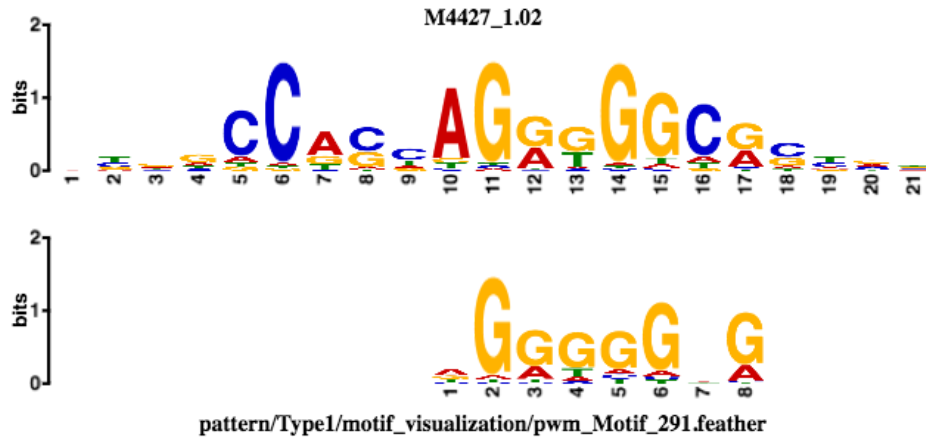
Summary		**Alignment**

M6306_1.02

Name	M6306_1.02 (INSM1)	
Database	Homo sapiens	
p-value	2.70e-05	
E-value	1.98e-02	
q-value	1.24e-02	
Overlap	8	
Offset	4	
Orientation	Normal	

pattern/Type1/motif_visualization/pwm_Motif_291.feathe
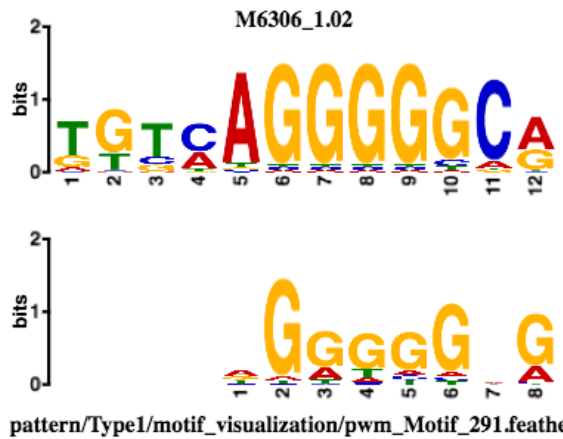
Summary		**Alignment**

M5592_1.02

Name	M5592_1.02 (KLF14)	
Database	Homo sapiens	
p-value	3.45e-05	
E-value	2.53e-02	
q-value	1.24e-02	
Overlap	8	
Offset	1	
Orientation	Normal	

pattern/Type1/motif_visualization/pwm_Motif_291.feather
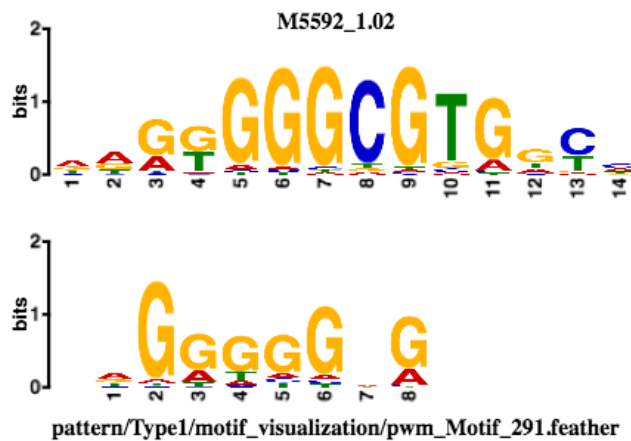
Summary		**Alignment**

Name	M5856_1.02 (SP8)	
Database	Homo sapiens	
p-value	4.77e-05	
E-value	3.49e-02	
q-value	1.24e-02	
Overlap	8	
Offset	0	
Orientation	Normal	
Show logo download options		

M5856_1.02

pattern/Type1/motif_visualization/pwm_Motif_291.feathe
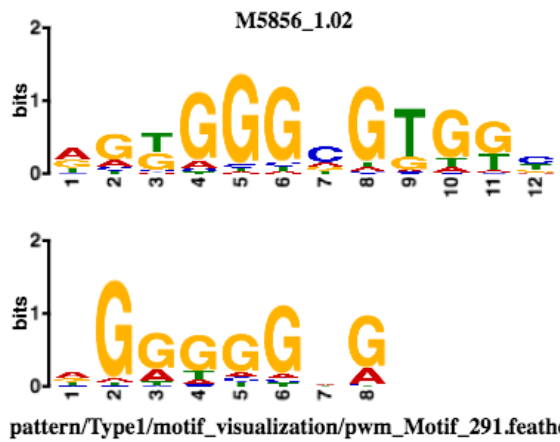
Summary   **Alignment**

Name	M2314_1.02 (SP2)	
Database	Homo sapiens	
p-value	5.15e-05	
E-value	3.77e-02	
q-value	1.24e-02	
Overlap	8	
Offset	3	
Orientation	Normal	
Show logo download options		

M2314_1.02

pattern/Type1/motif_visualization/pwm_Motif_291.feather
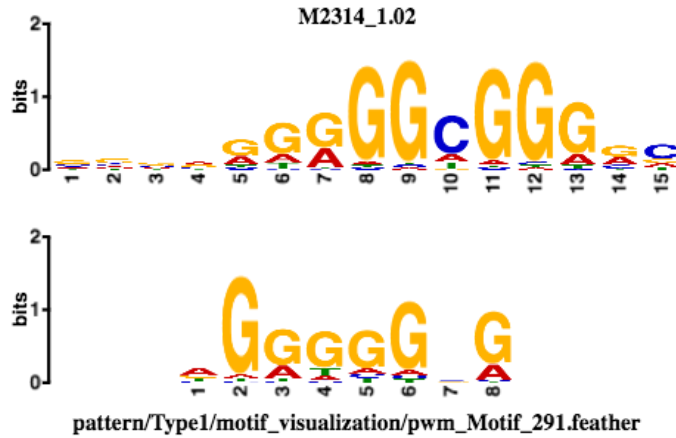
Summary   **Alignment**

Name	M6539_1.02 (ZBTB7B)	
Database	Homo sapiens	
p-value	8.86e-05	
E-value	6.49e-02	
q-value	1.83e-02	
Overlap	8	
Offset	5	
Orientation	Normal	
Show logo download options		

M6539_1.02

pattern/Type1/motif_visualization/pwm_Motif_291.feather
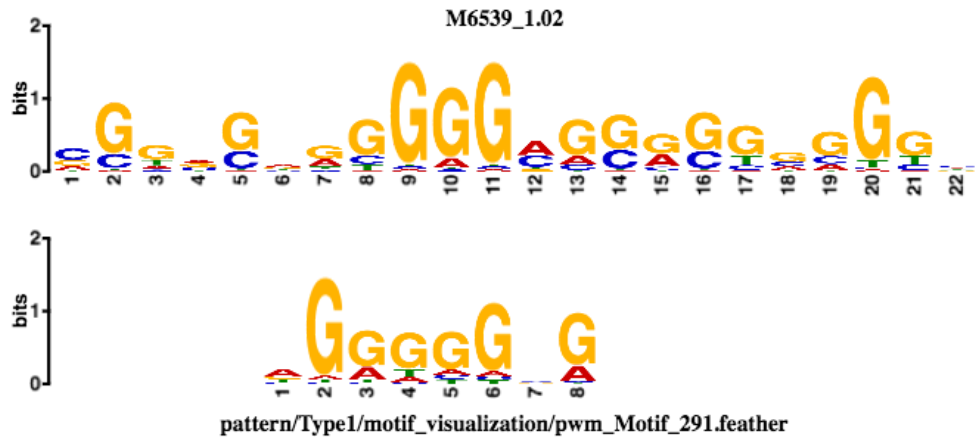
Summary   **Alignment**

Name	M6325_1.02 (KLF6)	
Database	Homo sapiens	
p-value	1.66e-04	
E-value	1.22e-01	
q-value	2.81e-02	
Overlap	7	
Offset	-1	
Orientation	Normal	
Show logo download options		

M6325_1.02

ern/Type1/motif_visualization/pwm_Motif_291
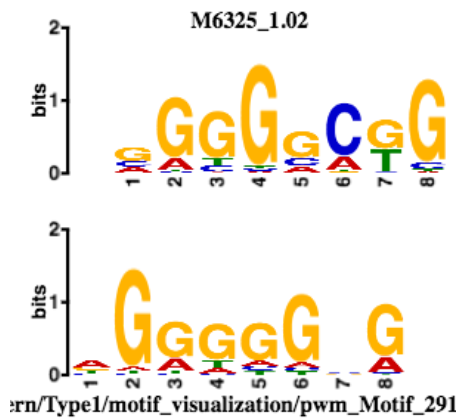
Summary   **Alignment**

Name	M6482_1.02 (SP3)	
Database	Homo sapiens	
p-value	1.75e-04	
E-value	1.29e-01	
q-value	2.81e-02	
Overlap	8	
Offset	3	
Orientation	Normal	
Show logo download options		

M6482_1.02

pattern/Type1/motif_visualization/pwm_Motif_291.feather
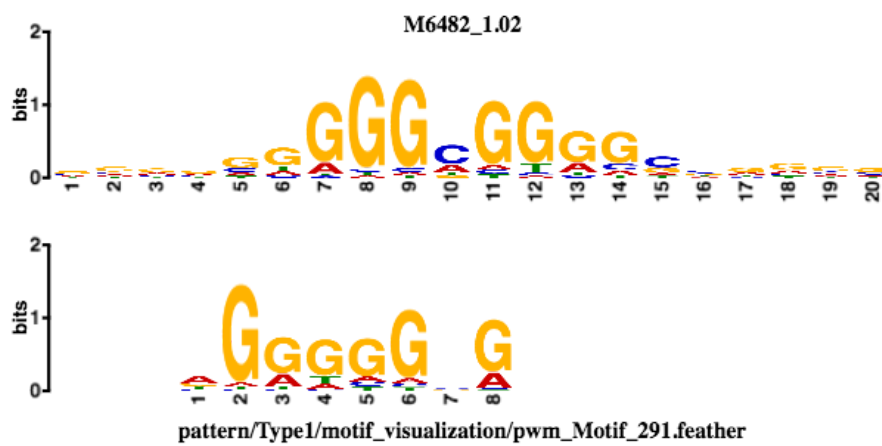
Summary   **Alignment**

Name	M1906_1.02 (SP1)	
Database	Homo sapiens	
p-value	2.49e-04	
E-value	1.82e-01	
q-value	3.23e-02	
Overlap	7	
Offset	-1	
Orientation	Normal	
Show logo download options		

M1906_1.02

pattern/Type1/motif_visualization/pwm_Motif_291.feathe
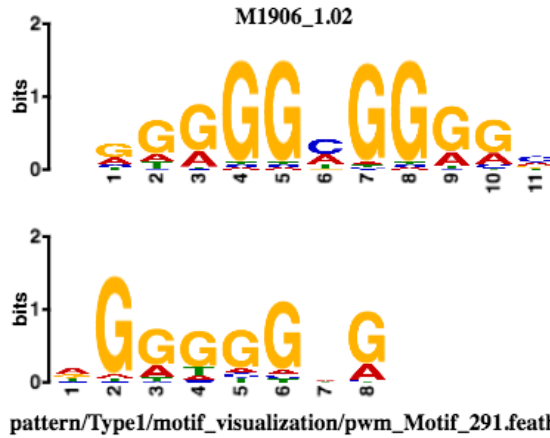
Summary   **Alignment**

Name	M5591_1.02 (KLF13)	
Database	Homo sapiens	
p-value	2.49e-04	
E-value	1.83e-01	
q-value	3.23e-02	
Overlap	8	
Offset	4	
Orientation	Normal	
Show logo download options		

M5591_1.02

pattern/Type1/motif_visualization/pwm_Motif_291.feather
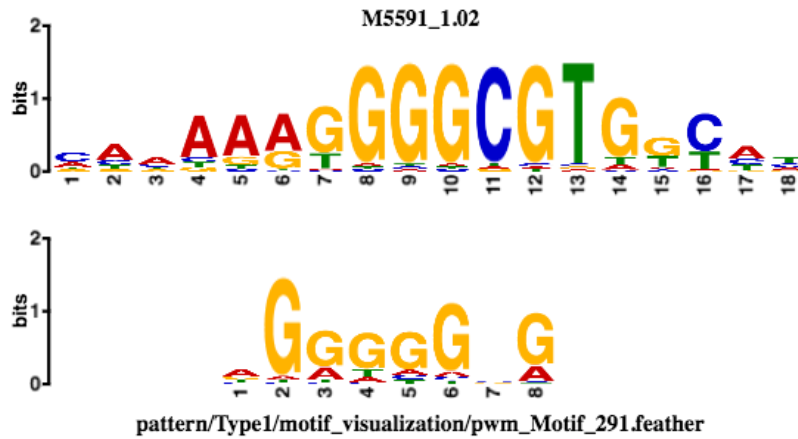
Summary   **Alignment**

Name	M5593_1.02 (KLF16)	
Database	Homo sapiens	
p-value	2.69e-04	
E-value	1.97e-01	
q-value	3.23e-02	
Overlap	7	
Offset	-1	
Orientation	Normal	
Show logo download options		

M5593_1.02

pattern/Type1/motif_visualization/pwm_Motif_291.feathe
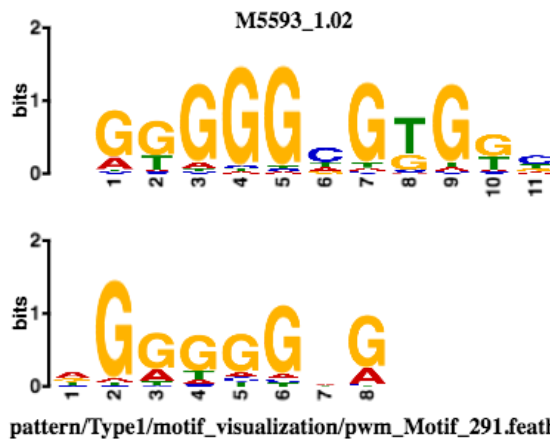
Summary   **Alignment**

Name	M6535_1.02 (WT1)	
Database	Homo sapiens	
p-value	8.45e-04	
E-value	6.19e-01	
q-value	9.38e-02	
Overlap	8	
Offset	1	
Orientation	Normal	
Show logo download options		

M6535_1.02

pattern/Type1/motif_visualization/pwm_Motif_291.feather

MATCHES TO PATTERN/TYPE1/MOTIF_VISUALIZATION/PWM_MOTIF_278.FEATHER (PATTERN/TYPE1/MOTIF_VISUALIZATION/PWM_MOTIF_278.FEATHER)

Summary	Alignment
Name M4427_1.02 (CTCF)	
Database Homo sapiens	
p-value 1.57e-06	
E-value 1.15e-03	
q-value 2.28e-03	
Overlap 8	
Offset 4	
Orientation Reverse Complement	
Show logo download options	

M4427_1.02

pattern/Type1/motif_visualization/pwm_Motif_278.feather

Summary	Alignment
Name M4612_1.02 (CTCFL)	
Database Homo sapiens	
p-value 2.56e-05	
E-value 1.88e-02	
q-value 1.86e-02	
Overlap 8	
Offset 2	
Orientation Reverse Complement	
Show logo download options	

M4612_1.02

pattern/Type1/motif_visualization/pwm_Motif_278.feather

Summary	Alignment
Name M6306_1.02 (INSM1)	
Database Homo sapiens	
p-value 1.83e-04	
E-value 1.34e-01	
q-value 8.84e-02	
Overlap 8	
Offset 0	
Orientation Reverse Complement	
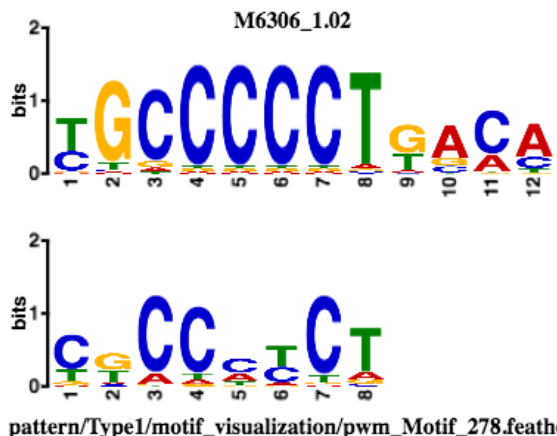
M6306_1.02

pattern/Type1/motif_visualization/pwm_Motif_278.feathe

MATCHES TO PATTERN/TYPE1/MOTIF_VISUALIZATION/PWM_MOTIF_100.FEATHER (PATTERN/TYPE1/MOTIF_VISUALIZATION/PWM_MOTIF_100.FEATHER)

Summary	Alignment

Name	M6123_1.02 ((ZNF281)_(Mus_musculus)_(DBD_1.00))
Database	Homo sapiens
p-value	2.93e-06
E-value	2.15e-03
q-value	4.22e-03
Overlap	8
Offset	1
Orientation	Normal

Show logo download options

M6123_1.02

pattern/Type1/motif_visualization/pwm_Motif_100.feather
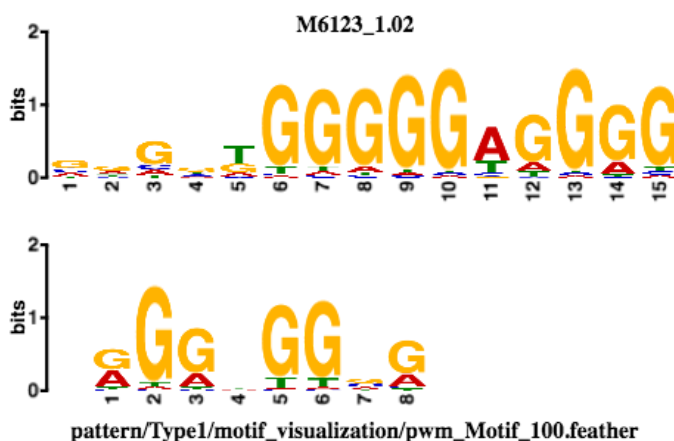
Summary	Alignment

Name	M6321_1.02 (KLF15)
Database	Homo sapiens
p-value	2.13e-05
E-value	1.56e-02
q-value	1.53e-02
Overlap	8
Offset	7
Orientation	Normal

Show logo download options

M6321_1.02

pattern/Type1/motif_visualization/pwm_Motif_100.feather
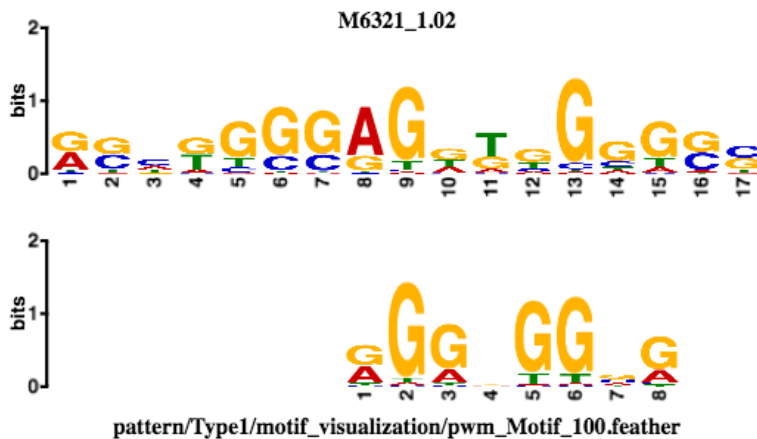
Summary	Alignment

Name	M6552_1.02 (ZNF148)
Database	Homo sapiens
p-value	6.57e-05
E-value	4.81e-02
q-value	2.95e-02
Overlap	8
Offset	1
Orientation	Normal

Show logo download options

M6552_1.02

pattern/Type1/motif_visualization/pwm_Motif_100.feather

Summary	Alignment

M6336_1.02

Name	M6336_1.02 (MAZ)
Database	Homo sapiens
p-value	8.21e-05
E-value	6.01e-02
q-value	2.95e-02
Overlap	8
Offset	0
Orientation	Normal
	Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_100.feather

Summary	Alignment
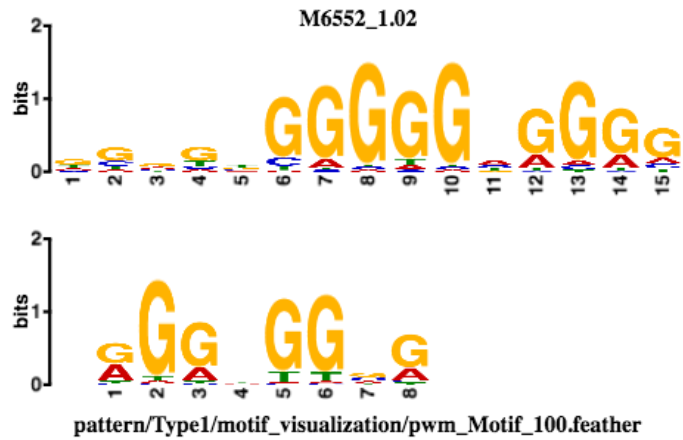
M6356_1.02

Name	M6356_1.02 (MZF1)
Database	Homo sapiens
p-value	1.90e-04
E-value	1.39e-01
q-value	3.87e-02
Overlap	7
Offset	-1
Orientation	Normal
	Show logo download options

ttern/Type1/motif_visualization/pwm_Motif_100.fe

Summary	Alignment
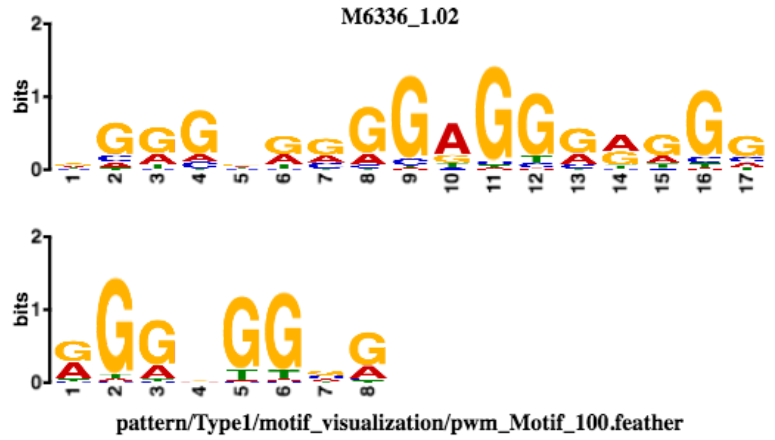
M5977_1.02

Name	M5977_1.02 (ZNF740)
Database	Homo sapiens
p-value	2.03e-04
E-value	1.48e-01
q-value	3.87e-02
Overlap	8
Offset	2
Orientation	Normal
	Show logo download options

ttern/Type1/motif_visualization/pwm_Motif_100.fe
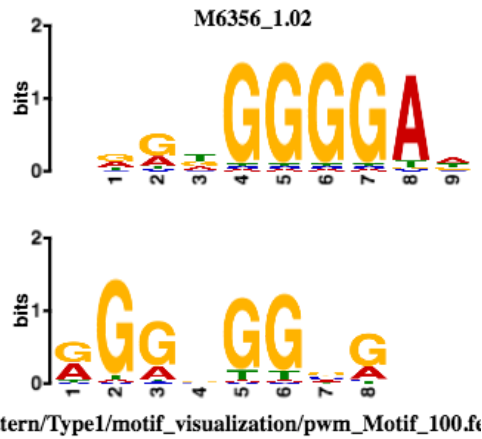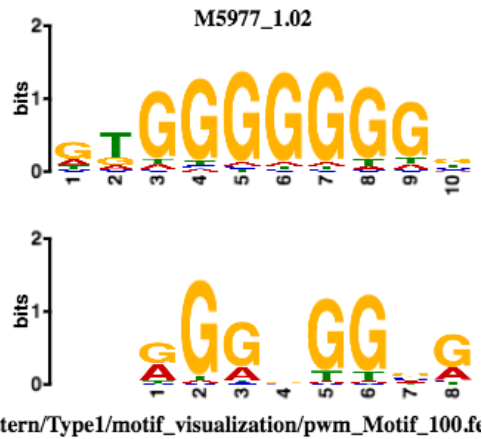
Summary	Alignment

Name	M6323_1.02 (KLF3)
Database	Homo sapiens
p-value	2.12e-04
E-value	1.55e-01
q-value	3.87e-02
Overlap	8
Offset	5
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_100.feather
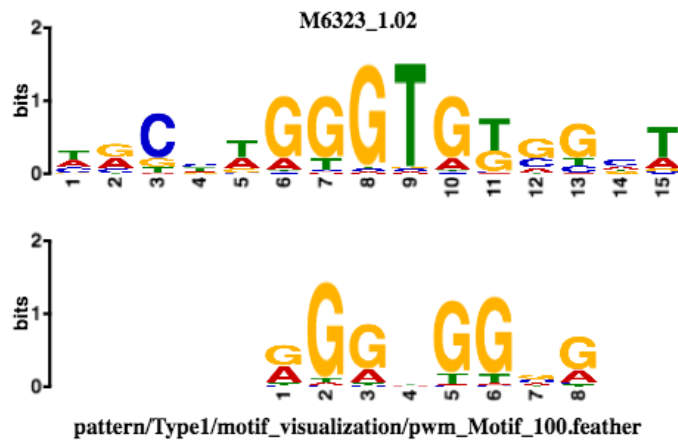
Summary   **Alignment**

Name	M6322_1.02 (KLF1)
Database	Homo sapiens
p-value	2.16e-04
E-value	1.58e-01
q-value	3.87e-02
Overlap	8
Offset	2
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_100.feat
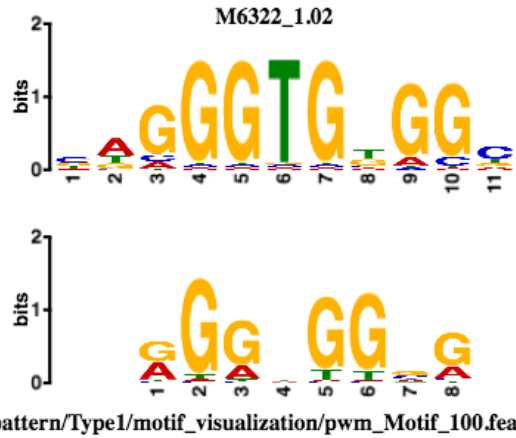
Summary   **Alignment**

Name	M6482_1.02 (SP3)
Database	Homo sapiens
p-value	3.43e-04
E-value	2.52e-01
q-value	4.58e-02
Overlap	8
Offset	3
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_100.feather
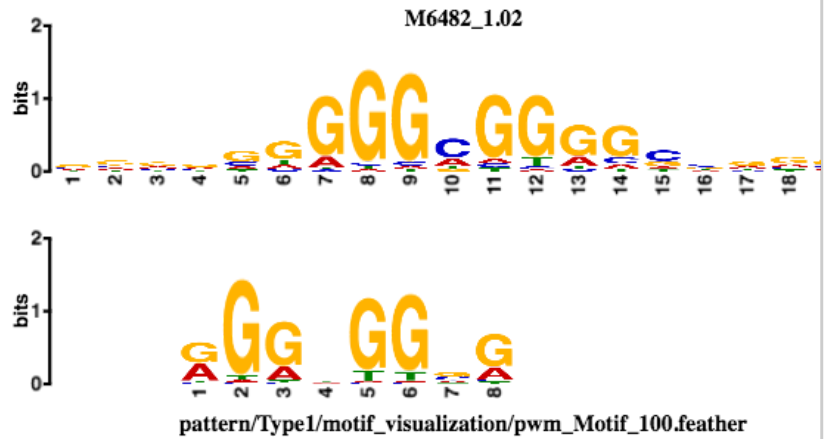
Summary   **Alignment**

Name	M6483_1.02 (SP4)
Database	Homo sapiens
p-value	3.45e-04
E-value	2.53e-01
q-value	4.58e-02
Overlap	8
Offset	10
Orientation	Normal

Show logo download options

pattern/Type1/motif_visualization/pwm_Motif_100.feathe
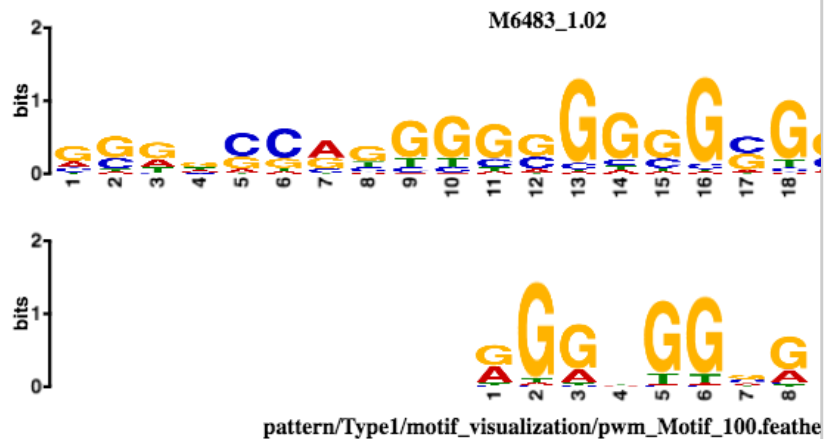
Summary   **Alignment**

Name	M4427_1.02 (CTCF)	
Database	Homo sapiens	
p-value	3.70e-04	
E-value	2.71e-01	
q-value	4.58e-02	
Overlap	8	
Offset	9	
Orientation	Normal	
Show logo download options		

pattern/Type1/motif_visualization/pwm_Motif_100.feather
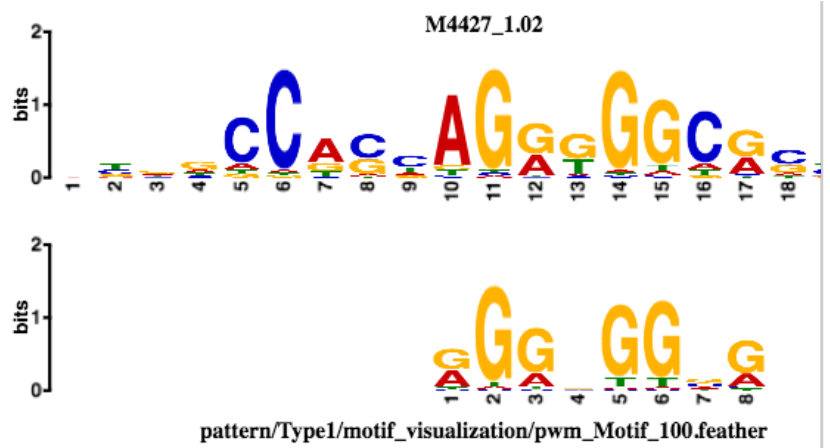
Summary **Alignment**

Name	M4612_1.02 (CTCFL)	
Database	Homo sapiens	
p-value	3.83e-04	
E-value	2.81e-01	
q-value	4.58e-02	
Overlap	8	
Offset	5	
Orientation	Normal	
Show logo download options		

pattern/Type1/motif_visualization/pwm_Motif_100.feather
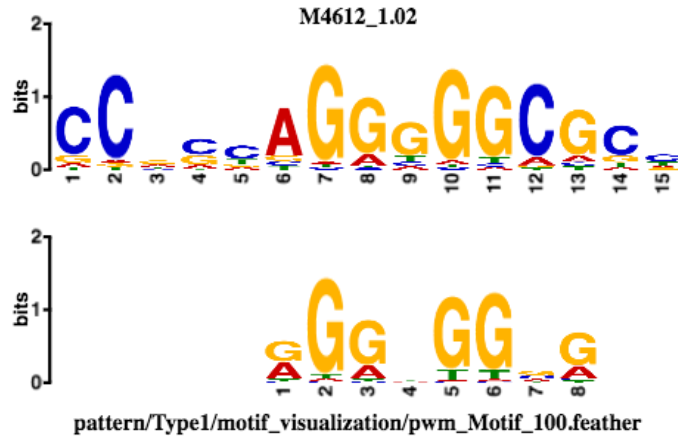
Summary **Alignment**

Name	M2314_1.02 (SP2)	
Database	Homo sapiens	
p-value	5.27e-04	
E-value	3.87e-01	
q-value	5.76e-02	
Overlap	8	
Offset	3	
Orientation	Normal	
Show logo download options		

pattern/Type1/motif_visualization/pwm_Motif_100.feather
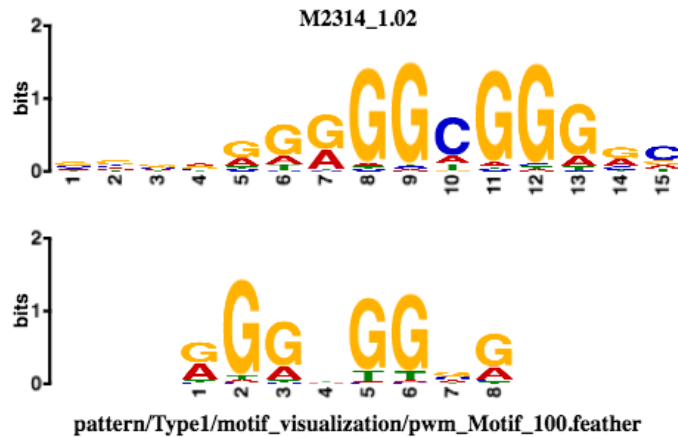
Summary **Alignment**

Name	M2391_1.02 (KLF5)	
Database	Homo sapiens	
p-value	5.61e-04	
E-value	4.12e-01	
q-value	5.76e-02	
Overlap	8	
Offset	1	
Orientation	Normal	
Show logo download options		

ttern/Type1/motif_visualization/pwm_Motif_100.fe
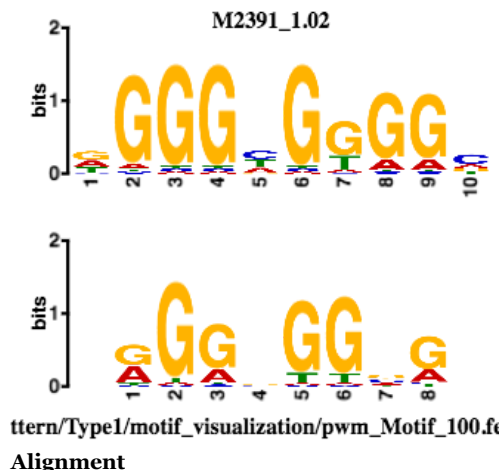
Summary **Alignment**

Name	M1871_1.02 ((KLF2)_(Mus_musculus)_(DBD_0.95))	
Database	Homo sapiens	
p-value	6.82e-04	
E-value	5.00e-01	
q-value	5.99e-02	
Overlap	8	
Offset	1	
Orientation	Normal	
	Show logo download options	
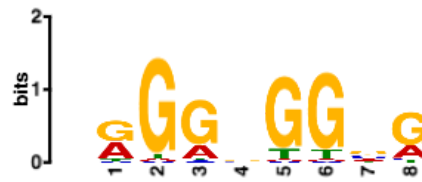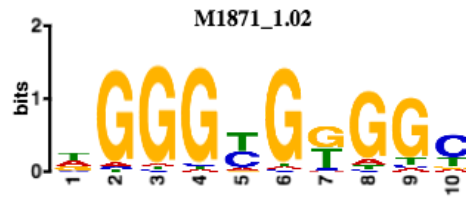
ttern/Type1/motif_visualization/pwm_Motif_100.fe

Summary		**Alignment**

Name	M5592_1.02 (KLF14)	
Database	Homo sapiens	
p-value	6.93e-04	
E-value	5.08e-01	
q-value	5.99e-02	
Overlap	8	
Offset	1	
Orientation	Normal	
	Show logo download options	

pattern/Type1/motif_visualization/pwm_Motif_100.feather

Summary		**Alignment**

Name	M6539_1.02 (ZBTB7B)	
Database	Homo sapiens	
p-value	7.15e-04	
E-value	5.24e-01	
q-value	5.99e-02	
Overlap	8	
Offset	5	
Orientation	Normal	
	Show logo download options	
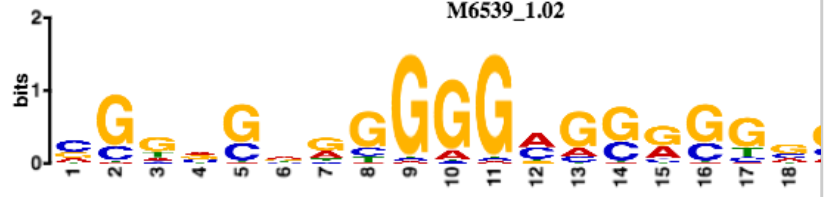
pattern/Type1/motif_visualization/pwm_Motif_100.feather

Summary		**Alignment**

Name	M0404_1.02 ((ZNF202)_(Mus_musculus)_(DBD_0.87))	
Database	Homo sapiens	
p-value	7.51e-04	
E-value	5.50e-01	
q-value	5.99e-02	
Overlap	8	
Offset	1	
Orientation	Normal	
	Show logo download options	
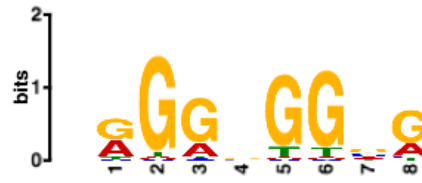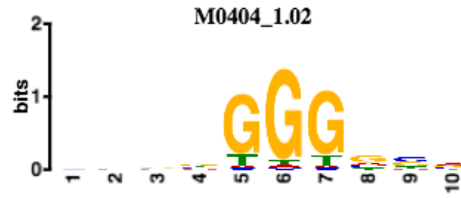
ttern/Type1/motif_visualization/pwm_Motif_100.fe

Summary		**Alignment**

Name	M5856_1.02 (SP8)	
Database	Homo sapiens	
p-value	8.16e-04	
E-value	5.98e-01	
q-value	6.17e-02	
Overlap	8	
Offset	0	
Orientation	Normal	

Show logo download options

M5856_1.02

pattern/Type1/motif_visualization/pwm_Motif_100.feathe

Summary   **Alignment**
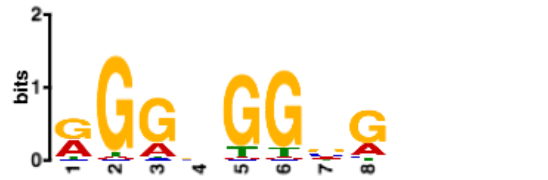
Name	M6324_1.02 (KLF4)	
Database	Homo sapiens	
p-value	9.10e-04	
E-value	6.67e-01	
q-value	6.53e-02	
Overlap	8	
Offset	1	
Orientation	Normal	
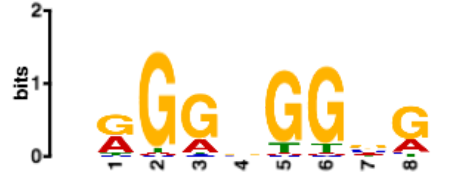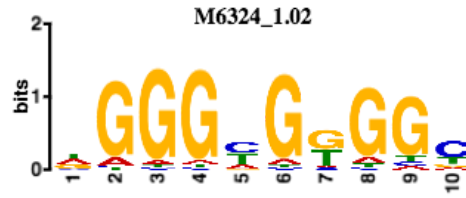
Show logo download options

M6324_1.02

ttern/Type1/motif_visualization/pwm_Motif_100.fe

Summary   **Alignment**

Name	M6306_1.02 (INSM1)	
Database	Homo sapiens	
p-value	1.08e-03	
E-value	7.95e-01	
q-value	7.42e-02	
Overlap	8	
Offset	4	
Orientation	Normal	

Show logo download options

M6306_1.02

pattern/Type1/motif_visualization/pwm_Motif_100.feathe

Summary   **Alignment**

Name	M4459_1.02 (EGR1)	
Database	Homo sapiens	
p-value	1.15e-03	
E-value	8.45e-01	
q-value	7.52e-02	
Overlap	8	
Offset	11	
Orientation	Normal	
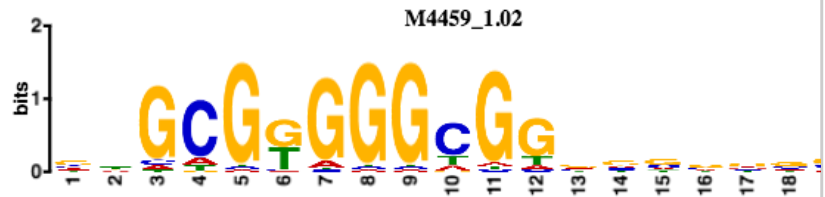
Show logo download options

M4459_1.02

pattern/Type1/motif_visualization/pwm_Motif_100.feather

Summary   **Alignment**

Name	[M6325_1.02 (KLF6)](#)	
Database	Homo sapiens	
p-value	1.48e-03	
E-value	1.08e+00	
q-value	9.24e-02	
Overlap	7	
Offset	-1	
Orientation	Normal	

Show logo download options
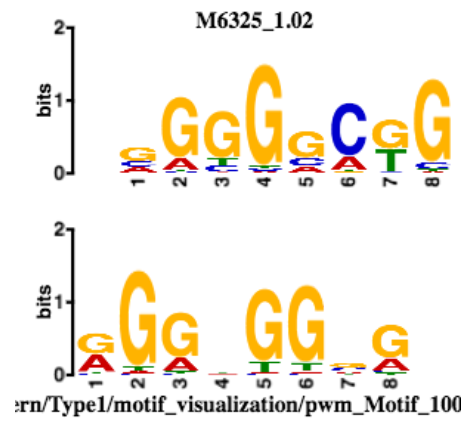
SETTINGS

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 q-value of 0.1 or smaller.

TOMTOM version
4.11.4 (Release date: Fri Apr 07 18:02:37 2017 -0700)

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 -thresh 0.1 motif_of_interest.meme db/CIS-BP/Homo_sapiens.meme

Result calculation took 2.947 seconds