



For further information on how to interpret these results please access <https://meme-suite.org/meme/doc/tomtom-output-format.html>.  
To get a copy of the MEME software please access <https://meme-suite.org>.

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](#) | [RESULTS IN TSV FORMAT](#) | [RESULTS IN XML FORMAT](#)

## QUERY MOTIFS

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Database	ID	Alt. ID	Preview	Matches	List
streme.xml	1-CCACCCCCACCTCC	STREME-1		39	<a href="#">EGR2 HUMAN.H11MO.0.A</a> , <a href="#">TBX15 HUMAN.H11MO.0.D</a> , <a href="#">ZBT17 HUMAN.H11MO.0.A</a> , <a href="#">MAZ HUMAN.H11MO.0.A</a> ,
streme.xml	2-ACTTTG	STREME-2		2	<a href="#">HNF4A HUMAN.H11MO.0.A</a> , <a href="#">HNF4G HUMAN.H11MO.0.B</a>
streme.xml	3-TAATCCCAGCA	STREME-3		1	<a href="#">PITX2 HUMAN.H11MO.0.D</a>
streme.xml	4-AAATGCAAAA	STREME-4		7	<a href="#">PO5F1 HUMAN.H11MO.1.A</a> , <a href="#">NFAC1 HUMAN.H11MO.1.B</a> , <a href="#">PO3F1 HUMAN.H11MO.0.C</a> , <a href="#">PO2F2 HUMAN.H11MO.0.A</a> ,
streme.xml	5-GATGTCAG	STREME-5		9	<a href="#">RXRA HUMAN.H11MO.1.A</a> , <a href="#">COT1 HUMAN.H11MO.1.C</a> , <a href="#">RARB HUMAN.H11MO.0.D</a> , <a href="#">NR4A1 HUMAN.H11MO.0.A</a> ,

## TARGET DATABASES

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Database	Used	Matched
HOCOMOCOV11_full_HUMAN_mono_meme_format	769	58

## MATCHES TO 1-CCACCCCCACCTCC (STREME-1)

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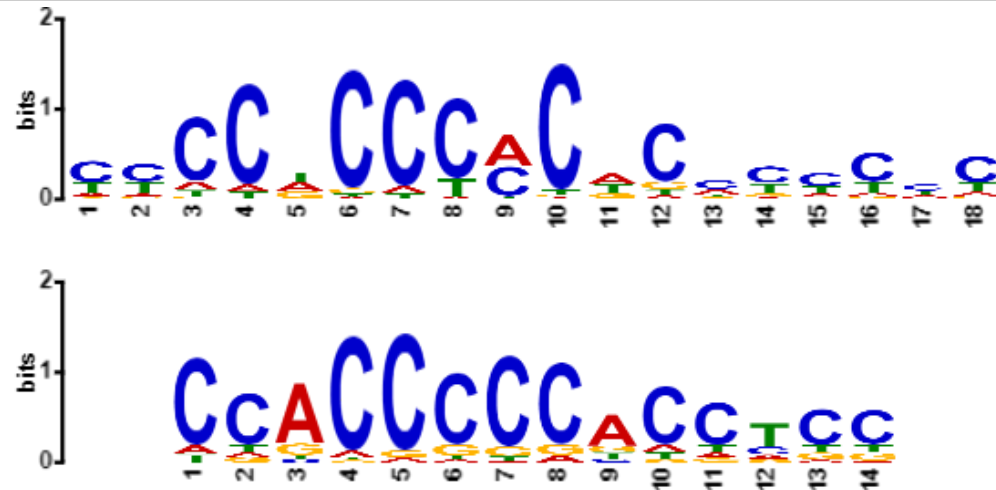
## Summary

**Name** [EGR2\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 7.21e-07  
**E-value** 5.54e-04  
**q-value** 1.06e-03

**Overlap** 14  
**Offset** 2  
**Orientation** Reverse Complement

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## Optimal Alignment



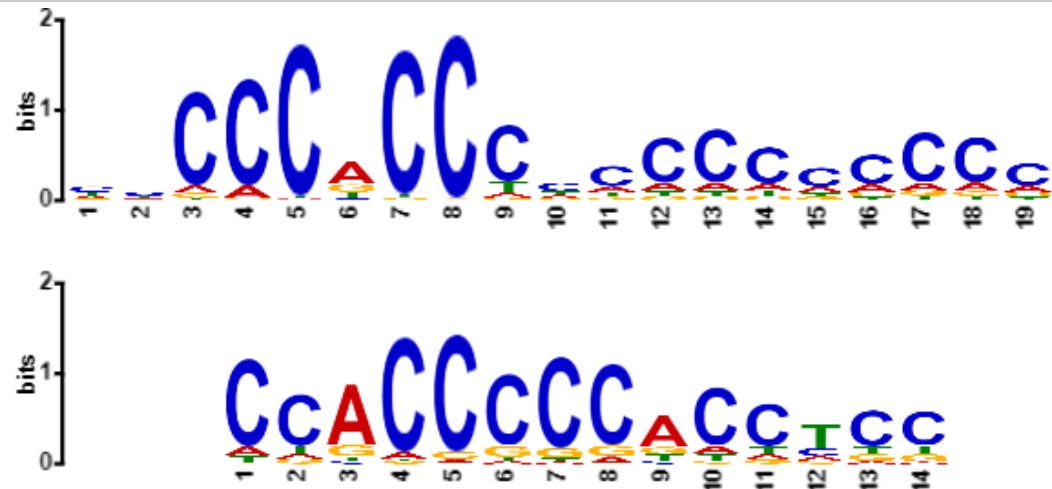
## Summary

**Name** [TBX15\\_HUMAN.H11MO.0.D](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 3.05e-06  
**E-value** 2.35e-03  
**q-value** 2.25e-03

**Overlap** 14  
**Offset** 3  
**Orientation** Reverse Complement

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## Optimal Alignment



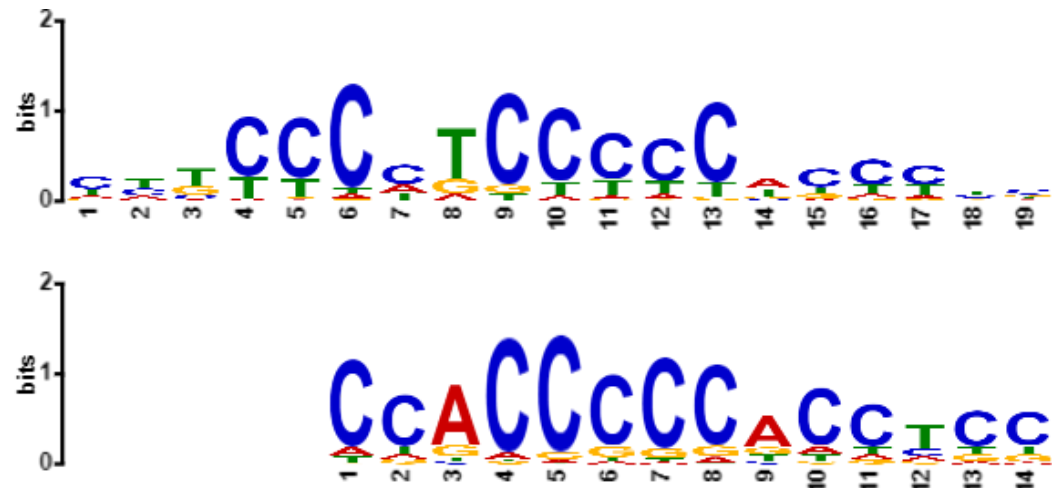
## Summary

## Optimal Alignment

**Name** [ZBT17\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 7.49e-06  
**E-value** 5.76e-03  
**q-value** 3.68e-03

**Overlap** 14  
**Offset** 5  
**Orientation** Reverse Complement

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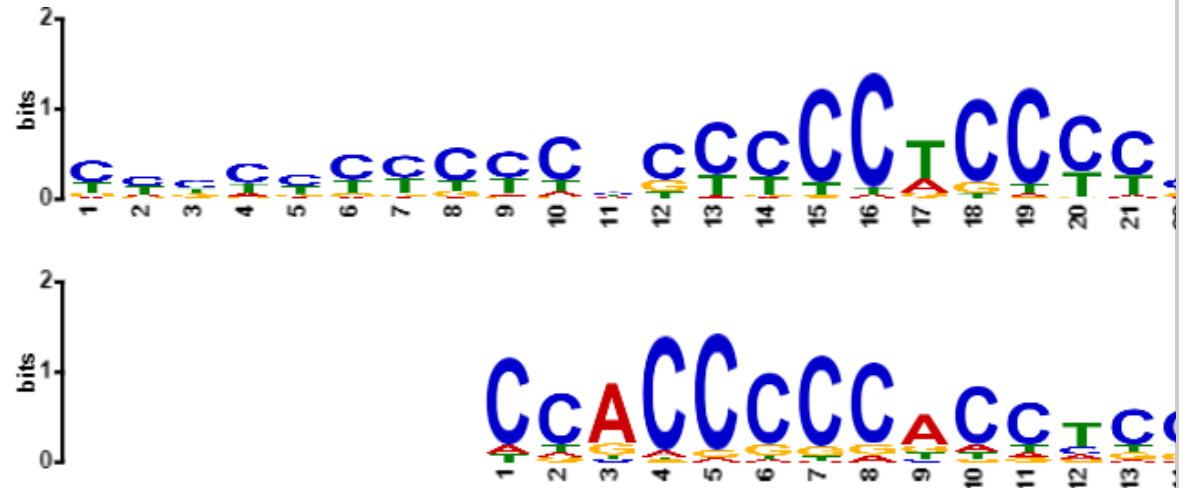
## Summary

**Name** [MAZ\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 3.07e-05  
**E-value** 2.36e-02  
**q-value** 8.22e-03

**Overlap** 14  
**Offset** 8  
**Orientation** Reverse Complement

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## Optimal Alignment



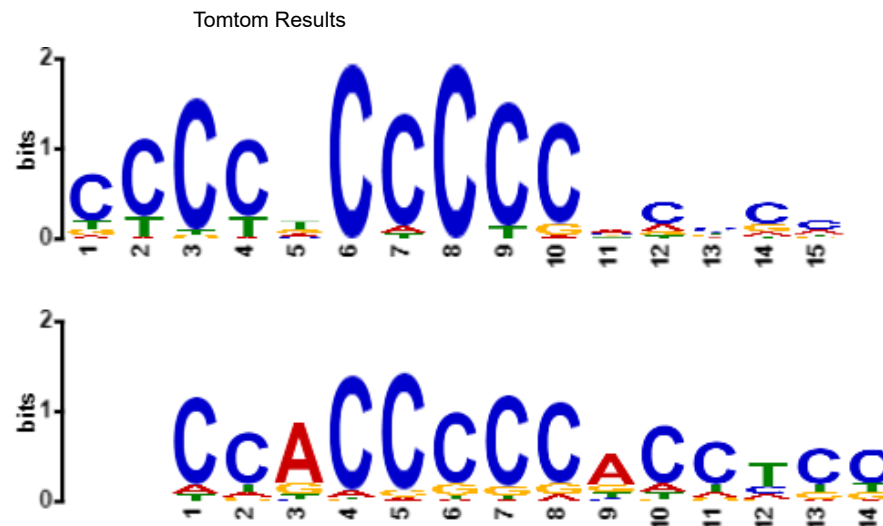
## Summary

## Optimal Alignment

**Name** [ZN148\\_HUMAN.H11MO.0.D](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 3.38e-05  
**E-value** 2.60e-02  
**q-value** 8.22e-03

**Overlap** 13  
**Offset** 2  
**Orientation** Reverse Complement

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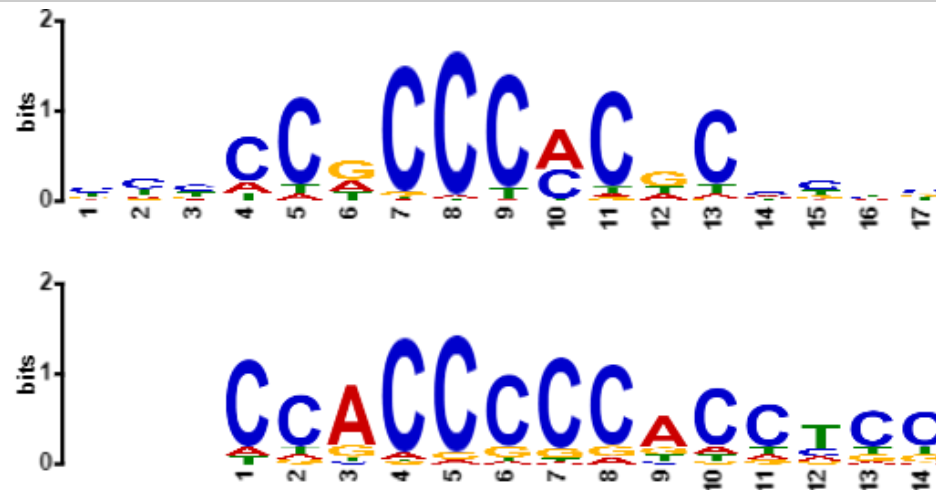
### Summary

**Name** [EGR1\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 3.84e-05  
**E-value** 2.95e-02  
**q-value** 8.22e-03

**Overlap** 14  
**Offset** 3  
**Orientation** Reverse Complement

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### Optimal Alignment



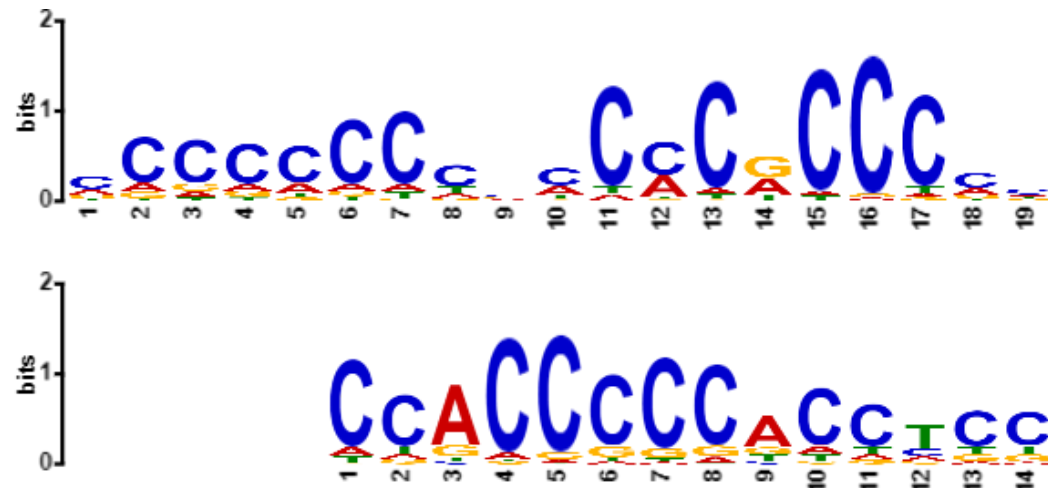
### Summary

### Optimal Alignment

**Name** [KLF16\\_HUMAN.H11MO.0.D](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 3.90e-05  
**E-value** 3.00e-02  
**q-value** 8.22e-03

**Overlap** 14  
**Offset** 5  
**Orientation** Reverse Complement

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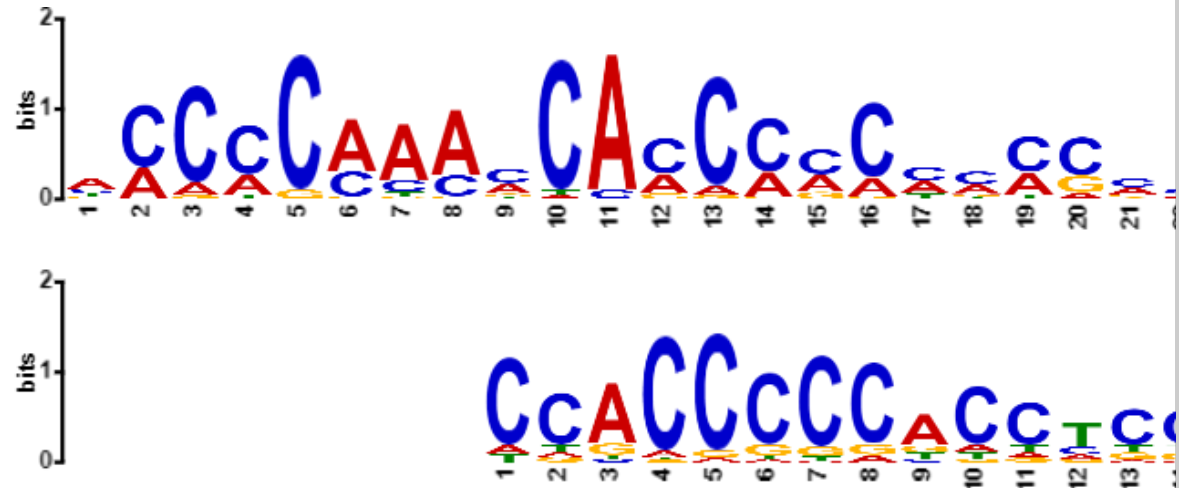
## Summary

**Name** [RREB1\\_HUMAN.H11MO.0.D](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 6.31e-05  
**E-value** 4.85e-02  
**q-value** 1.14e-02

**Overlap** 14  
**Offset** 8  
**Orientation** Reverse Complement

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## Optimal Alignment



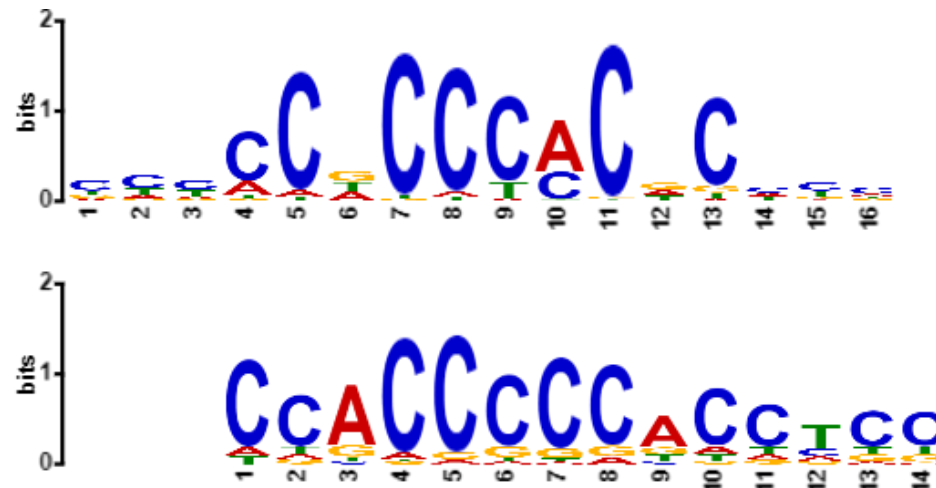
## Summary

## Optimal Alignment

<b>Name</b>	<a href="#">EGR2_HUMAN.H11MO.1.A</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	7.02e-05
<b>E-value</b>	5.40e-02
<b>q-value</b>	1.14e-02

<b>Overlap</b>	13
<b>Offset</b>	3
<b>Orientation</b>	Reverse Complement

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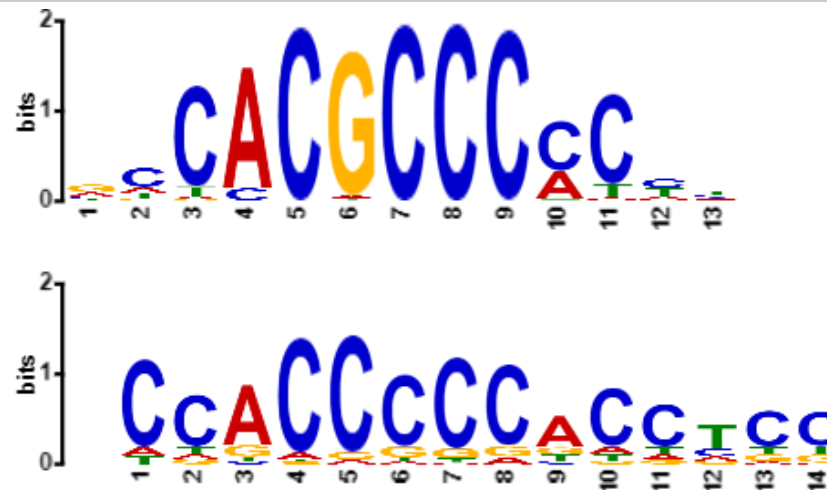
## Summary

<b>Name</b>	<a href="#">KLF14_HUMAN.H11MO.0.D</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	9.01e-05
<b>E-value</b>	6.93e-02
<b>q-value</b>	1.14e-02

<b>Overlap</b>	12
<b>Offset</b>	1
<b>Orientation</b>	Reverse Complement

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## Optimal Alignment



## Summary

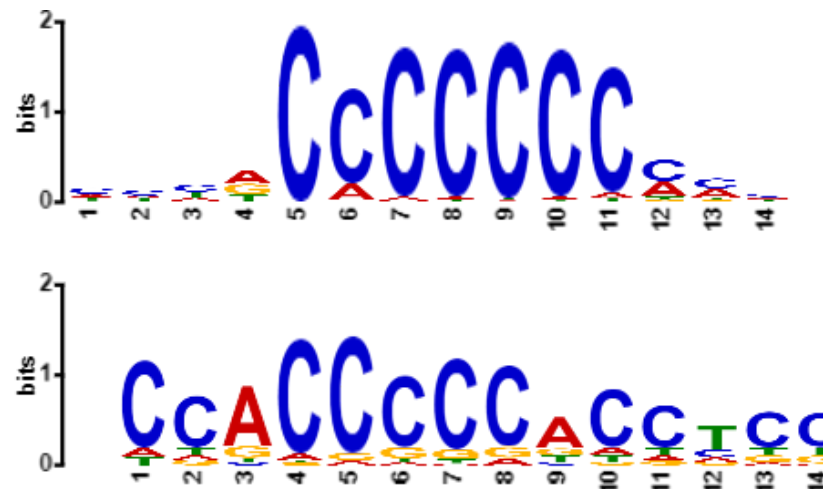
## Optimal Alignment

**Name** [ZN740\\_HUMAN.H11MO.0.D](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 9.03e-05  
**E-value** 6.94e-02  
**q-value** 1.14e-02

**Overlap** 13  
**Offset** 1  
**Orientation** Reverse Complement

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Tomtom Results



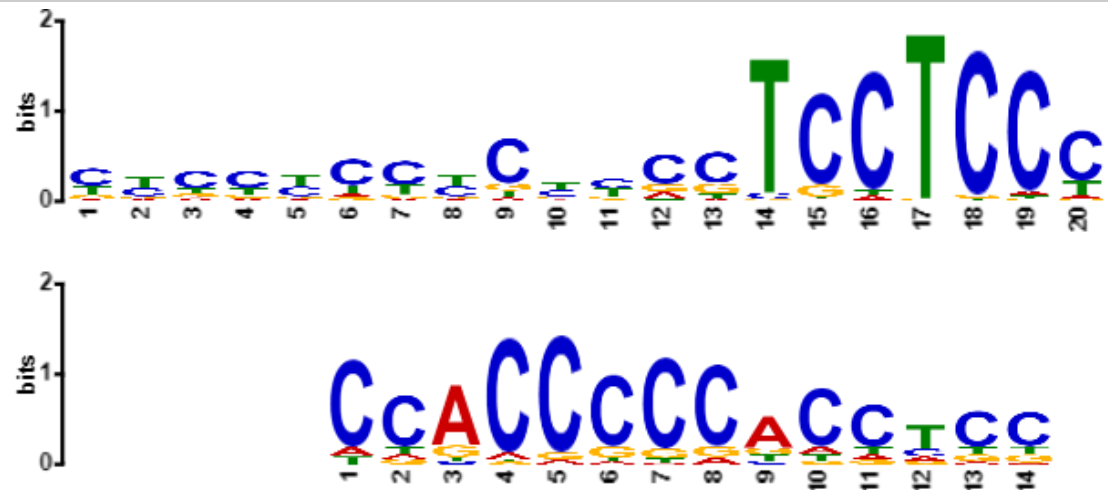
## Summary

**Name** [ZN263\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 9.48e-05  
**E-value** 7.29e-02  
**q-value** 1.14e-02

**Overlap** 14  
**Offset** 5  
**Orientation** Reverse Complement

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## Optimal Alignment



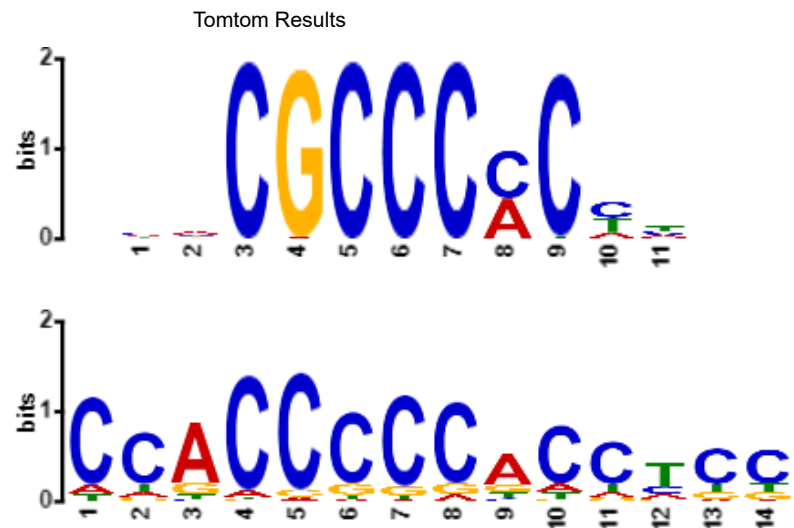
## Summary

## Optimal Alignment

<b>Name</b>	<a href="#">KLF13_HUMAN.H11MO.0.D</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	1.03e-04
<b>E-value</b>	7.88e-02
<b>q-value</b>	1.14e-02

**Overlap** 11  
**Offset** -1  
**Orientation** Reverse Complement

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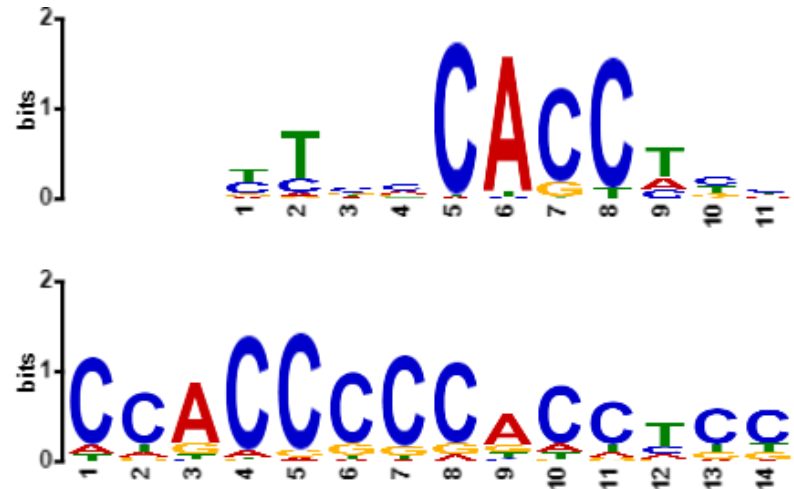
## Summary

<b>Name</b>	<a href="#">TBX3_HUMAN.H11MO.0.C</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	1.08e-04
<b>E-value</b>	8.31e-02
<b>q-value</b>	1.14e-02

**Overlap** 11  
**Offset** -3  
**Orientation** Reverse Complement

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## Optimal Alignment



## Summary

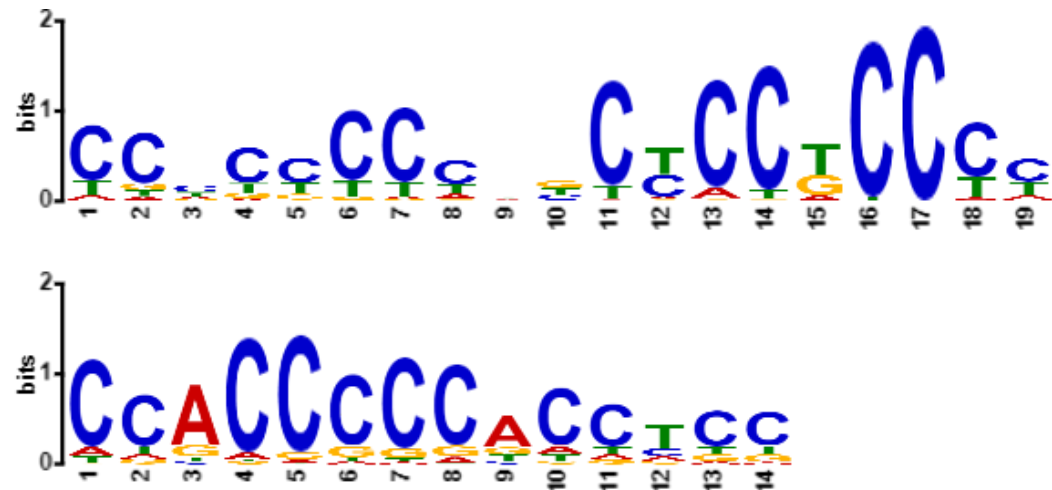
## Optimal Alignment



**Name** [KLF15\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 1.16e-04  
**E-value** 8.94e-02  
**q-value** 1.14e-02

**Overlap** 14  
**Offset** 0  
**Orientation** Reverse Complement

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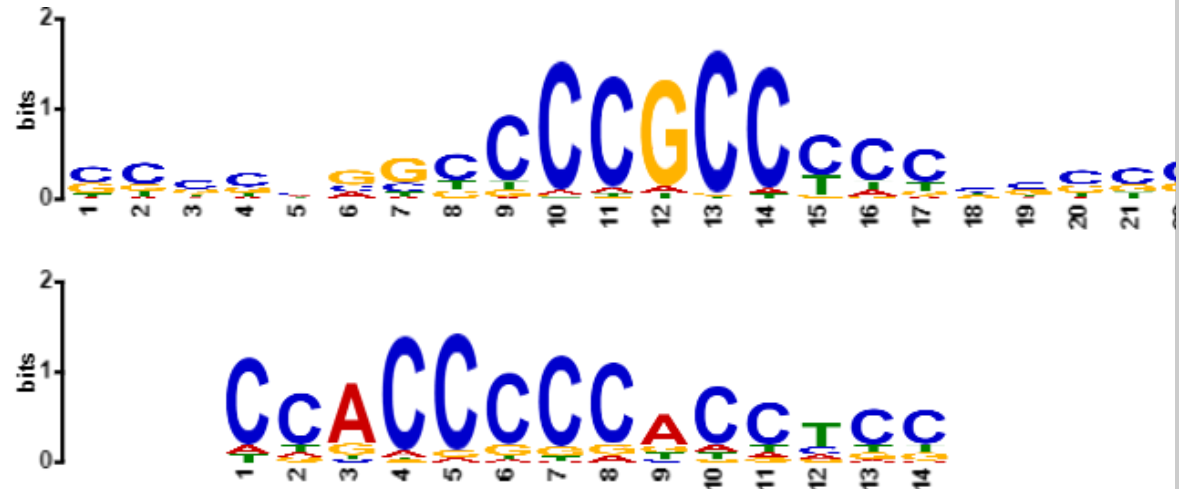
## Summary

**Name** [SP2\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 1.39e-04  
**E-value** 1.07e-01  
**q-value** 1.23e-02

**Overlap** 14  
**Offset** 3  
**Orientation** Reverse Complement

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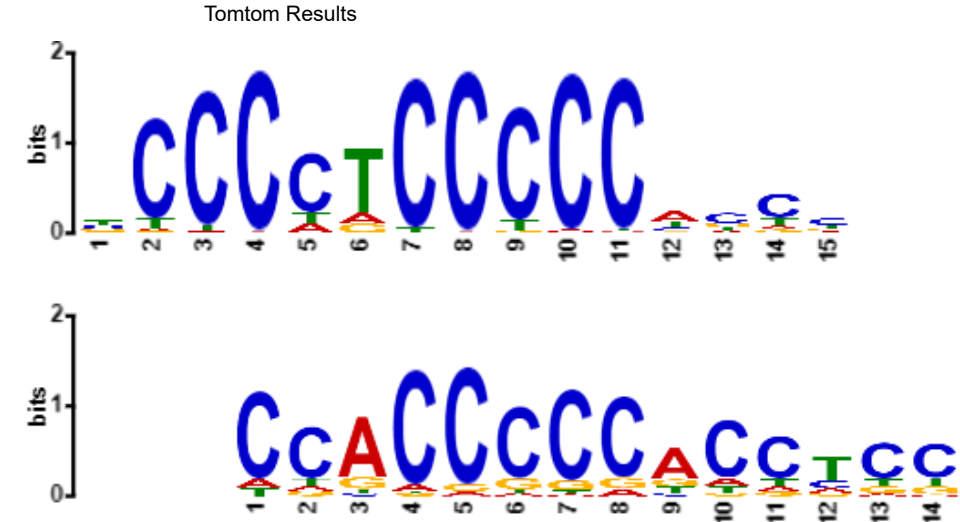
## Optimal Alignment



## Summary

## Optimal Alignment

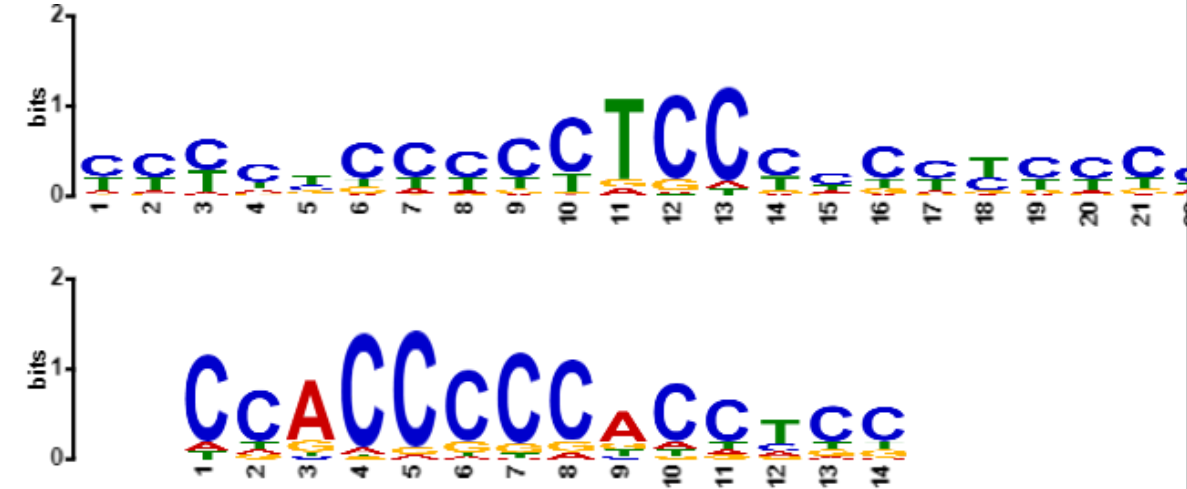
Name	ZN281_HUMAN.H11MO.0.A
Database	HOCOMOCov11_full_HUMAN_mono_meme_format
p-value	1.42e-04
E-value	1.09e-01
q-value	1.23e-02
Overlap	12
Offset	3
Orientation	Reverse Complement
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Summary

Name	VEZF1_HUMAN.H11MO.0.C
Database	HOCOMOCov11_full_HUMAN_mono_meme_format
p-value	1.53e-04
E-value	1.18e-01
q-value	1.25e-02
Overlap	14
Offset	2
Orientation	Reverse Complement
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Optimal Alignment



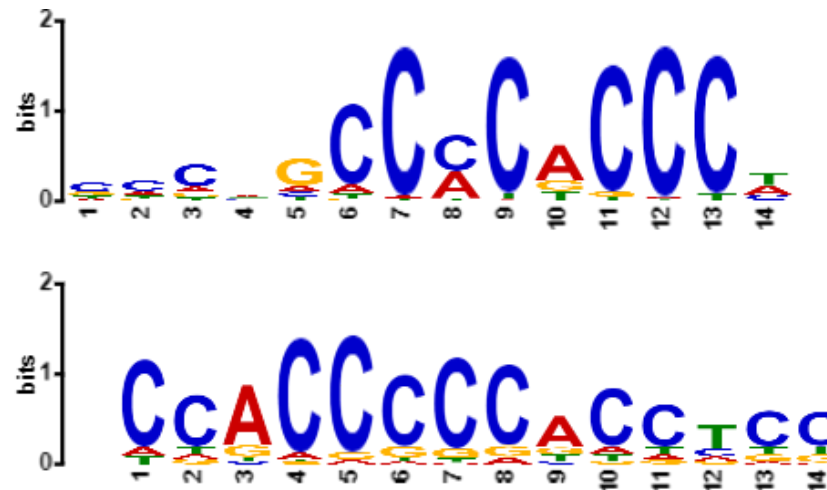
Summary

Optimal Alignment

**Name** [KLF5\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 2.25e-04  
**E-value** 1.73e-01  
**q-value** 1.75e-02

**Overlap** 13  
**Offset** 1  
**Orientation** Reverse Complement

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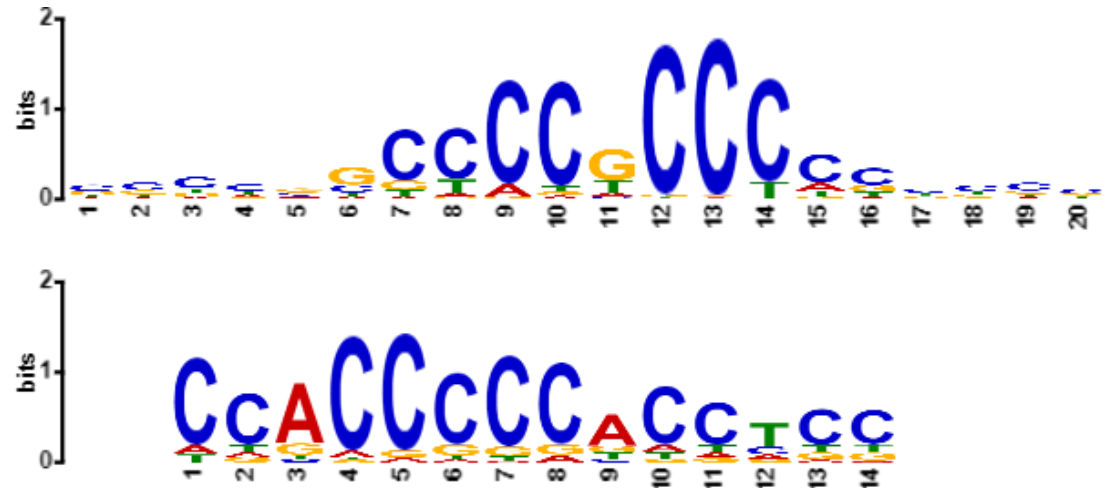
## Summary

**Name** [SP3\\_HUMAN.H11MO.0.B](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 2.90e-04  
**E-value** 2.23e-01  
**q-value** 2.12e-02

**Overlap** 14  
**Offset** 2  
**Orientation** Reverse Complement

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## Optimal Alignment



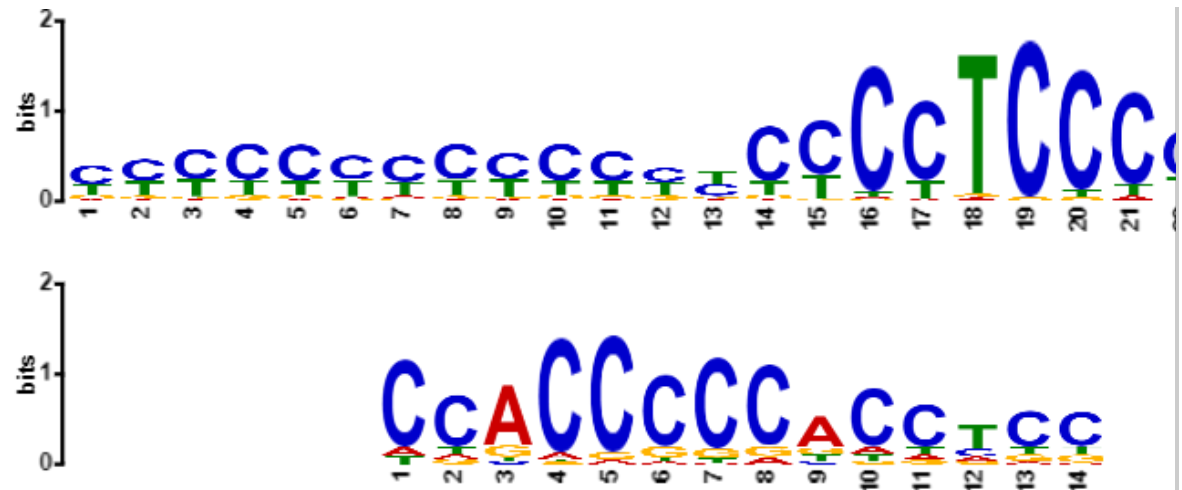
## Summary

## Optimal Alignment

**Name** [ZN467\\_HUMAN.H11MO.0.C](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 3.02e-04  
**E-value** 2.32e-01  
**q-value** 2.12e-02

**Overlap** 14  
**Offset** 6  
**Orientation** Reverse Complement

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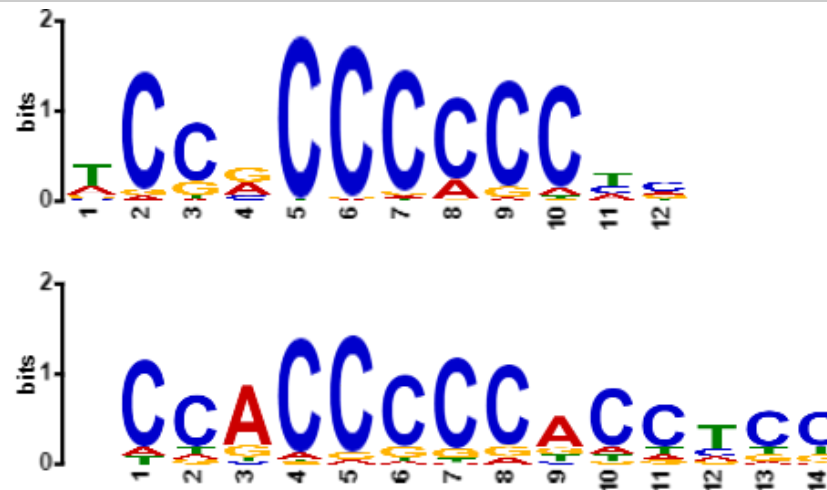
## Summary

**Name** [ZN219\\_HUMAN.H11MO.0.D](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 3.17e-04  
**E-value** 2.44e-01  
**q-value** 2.12e-02

**Overlap** 11  
**Offset** 1  
**Orientation** Reverse Complement

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## Optimal Alignment



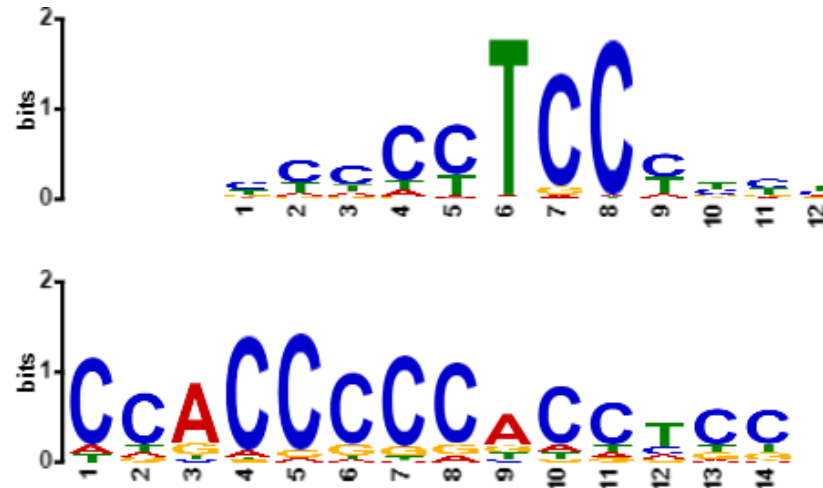
## Summary

## Optimal Alignment

**Name** [VEZF1\\_HUMAN.H11MO.1.C](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 3.48e-04  
**E-value** 2.67e-01  
**q-value** 2.22e-02

**Overlap** 11  
**Offset** -3  
**Orientation** Reverse Complement

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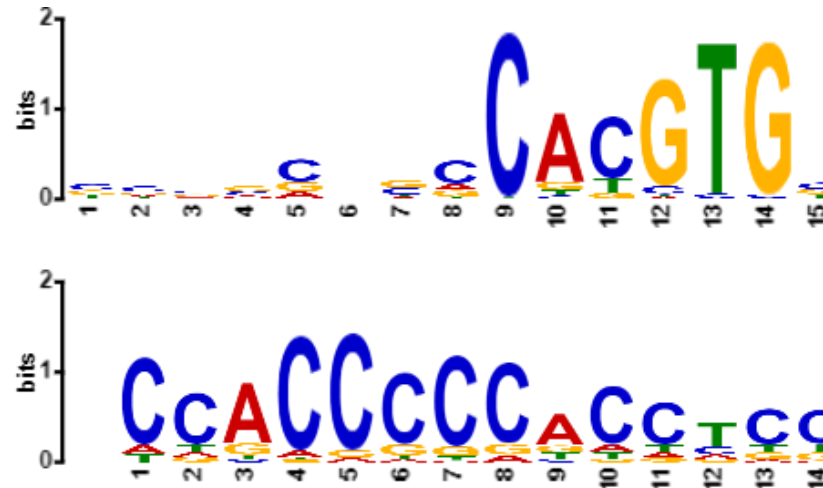
## Summary

**Name** [MXI1\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 3.62e-04  
**E-value** 2.78e-01  
**q-value** 2.22e-02

**Overlap** 14  
**Offset** 1  
**Orientation** Reverse Complement

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## Optimal Alignment



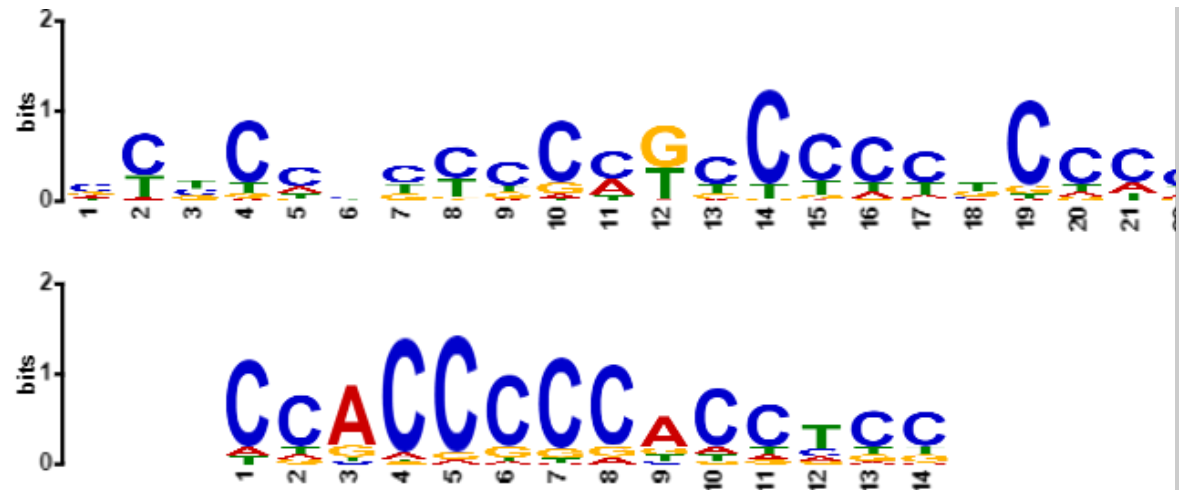
## Summary

## Optimal Alignment

**Name** [PATZ1\\_HUMAN.H11MO.0.C](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 4.38e-04  
**E-value** 3.37e-01  
**q-value** 2.49e-02

**Overlap** 14  
**Offset** 3  
**Orientation** Reverse Complement

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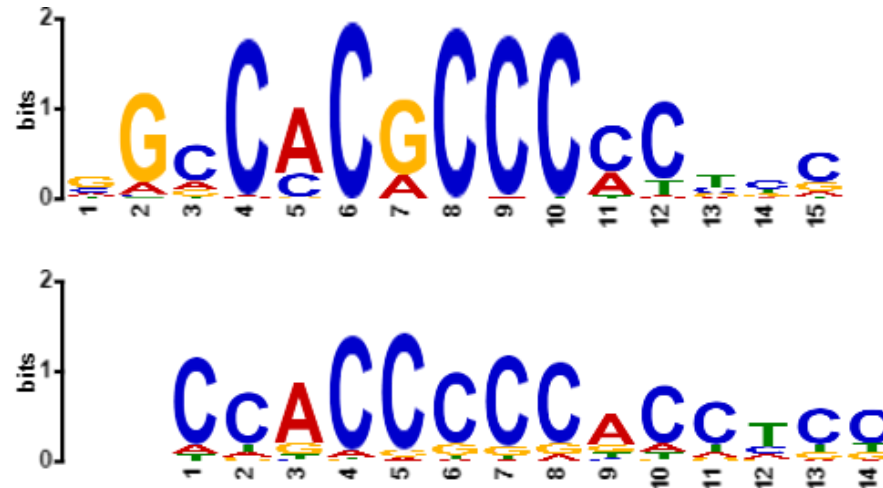
## Summary

**Name** [KLF9\\_HUMAN.H11MO.0.C](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 4.50e-04  
**E-value** 3.46e-01  
**q-value** 2.49e-02

**Overlap** 13  
**Offset** 2  
**Orientation** Reverse Complement

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## Optimal Alignment

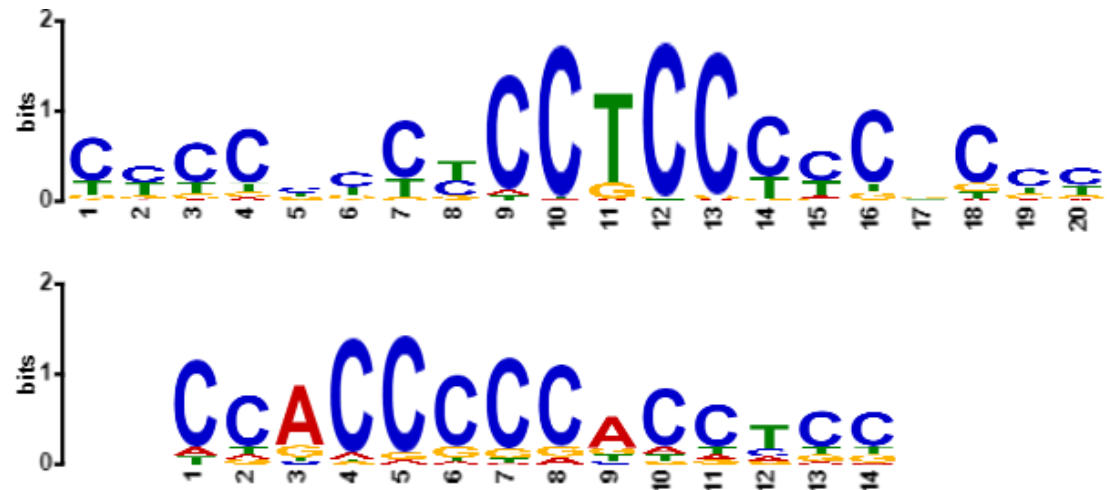


## Summary

## Optimal Alignment

<b>Overlap</b>	14
<b>Offset</b>	2
<b>Orientation</b>	Reverse Complement

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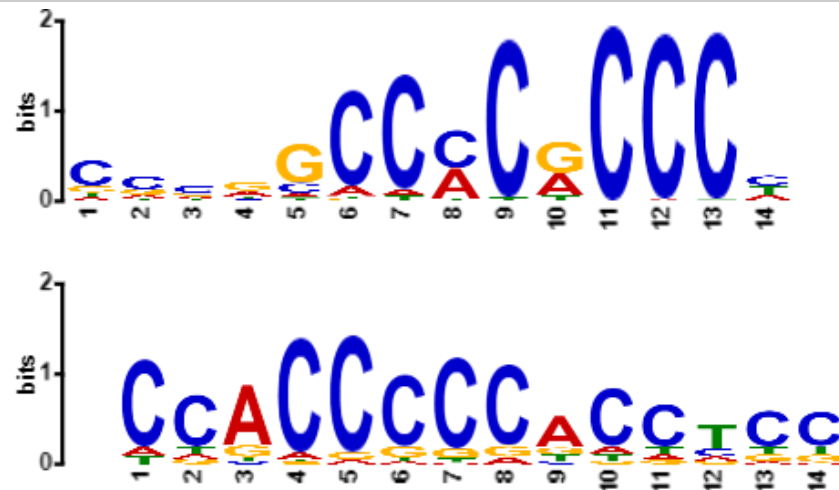


## Optimal Alignment

<b>Name</b>	<a href="#">KLF1_HUMAN.H11MO.0.A</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b><i>p</i>-value</b>	4.84e-04
<b><i>E</i>-value</b>	3.72e-01
<b><i>q</i>-value</b>	2.55e-02

<b>Overlap</b>	13
<b>Offset</b>	1
<b>Orientation</b>	Reverse Complement

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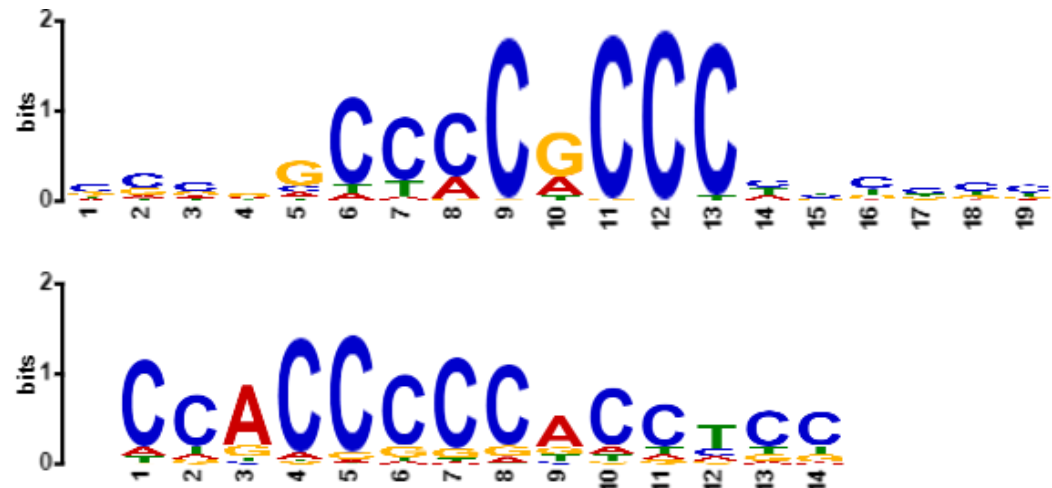


## Optimal Alignment

**Name** [KLF3\\_HUMAN.H11MO.0.B](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 5.41e-04  
**E-value** 4.16e-01  
**q-value** 2.68e-02

**Overlap** 14  
**Offset** 1  
**Orientation** Reverse Complement

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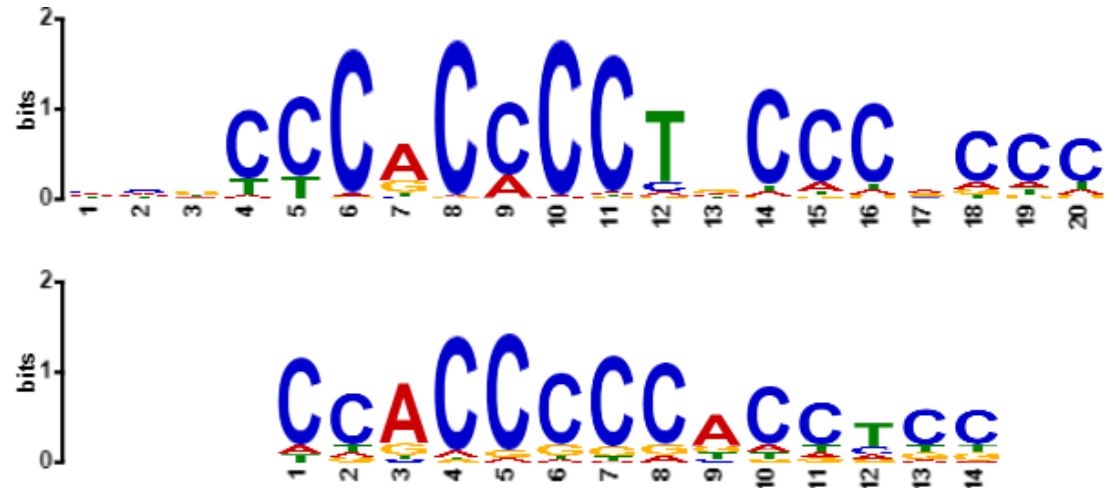
## Summary

**Name** [TBX1\\_HUMAN.H11MO.0.D](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 5.45e-04  
**E-value** 4.19e-01  
**q-value** 2.68e-02

**Overlap** 14  
**Offset** 4  
**Orientation** Reverse Complement

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## Optimal Alignment



## Summary

## Optimal Alignment

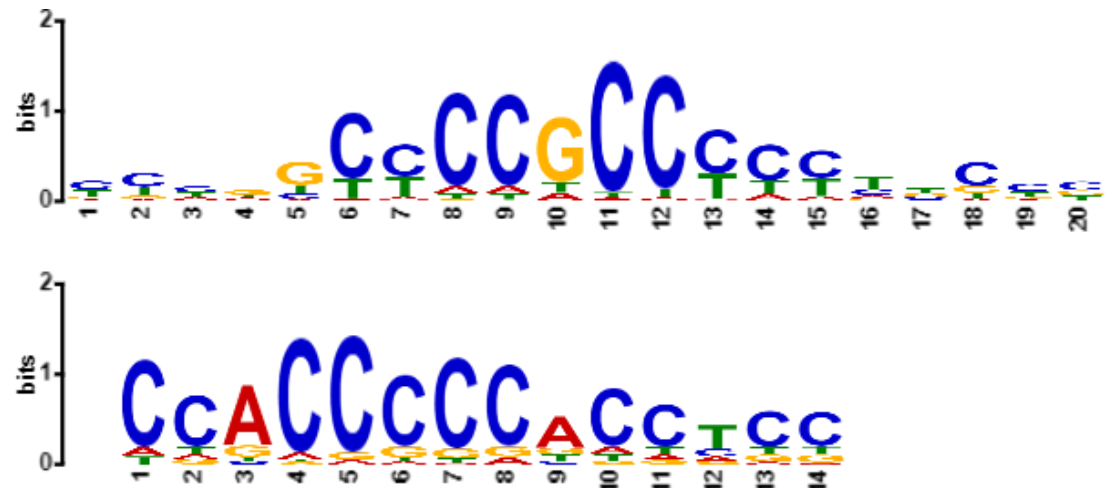


**Name** [SP4\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 7.06e-04  
**E-value** 5.43e-01  
**q-value** 3.31e-02

**Overlap** 14  
**Offset** 1  
**Orientation** Reverse Complement

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Tomtom Results



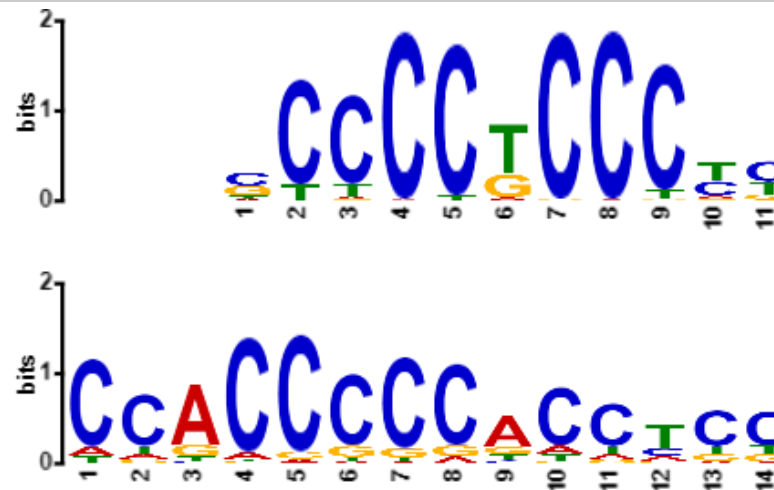
## Summary

**Name** [MAZ\\_HUMAN.H11MO.1.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 7.19e-04  
**E-value** 5.53e-01  
**q-value** 3.31e-02

**Overlap** 11  
**Offset** -3  
**Orientation** Reverse Complement

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## Optimal Alignment



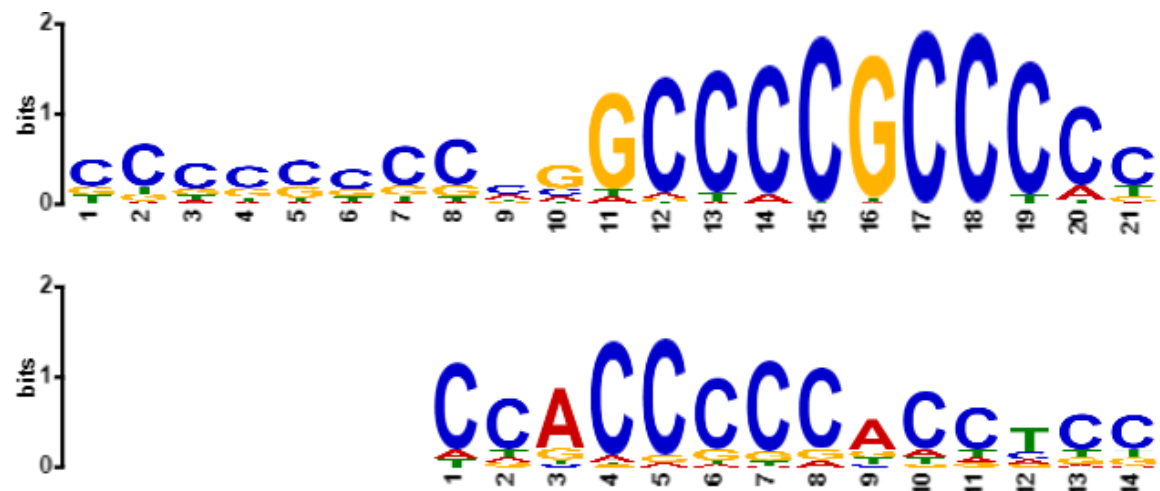
## Summary

## Optimal Alignment

**Name** [SP1\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 7.80e-04  
**E-value** 6.00e-01  
**q-value** 3.48e-02

**Overlap** 14  
**Offset** 7  
**Orientation** Reverse Complement

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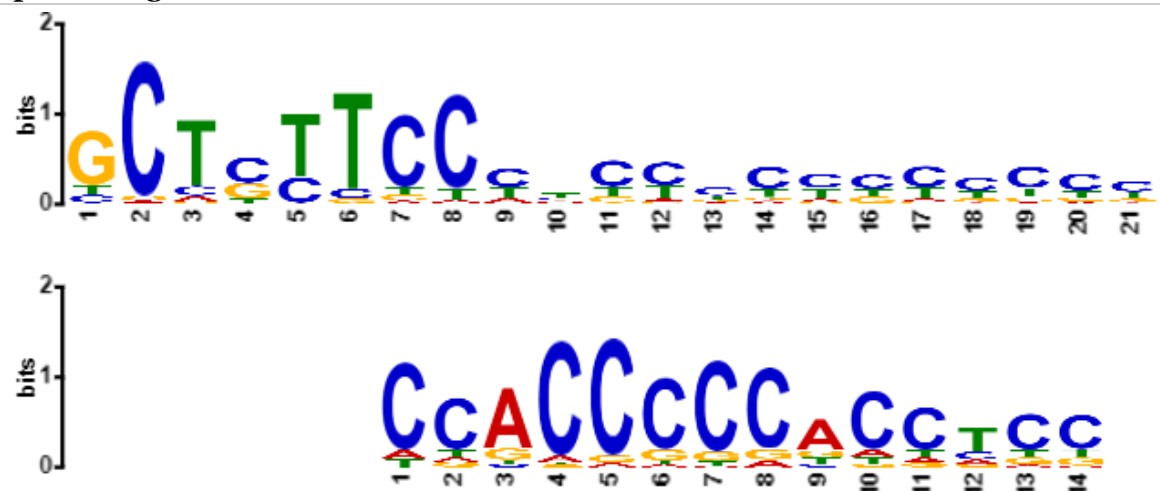
## Summary

**Name** [ZN341\\_HUMAN.H11MO.0.C](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 9.25e-04  
**E-value** 7.11e-01  
**q-value** 4.01e-02

**Overlap** 14  
**Offset** 6  
**Orientation** Reverse Complement

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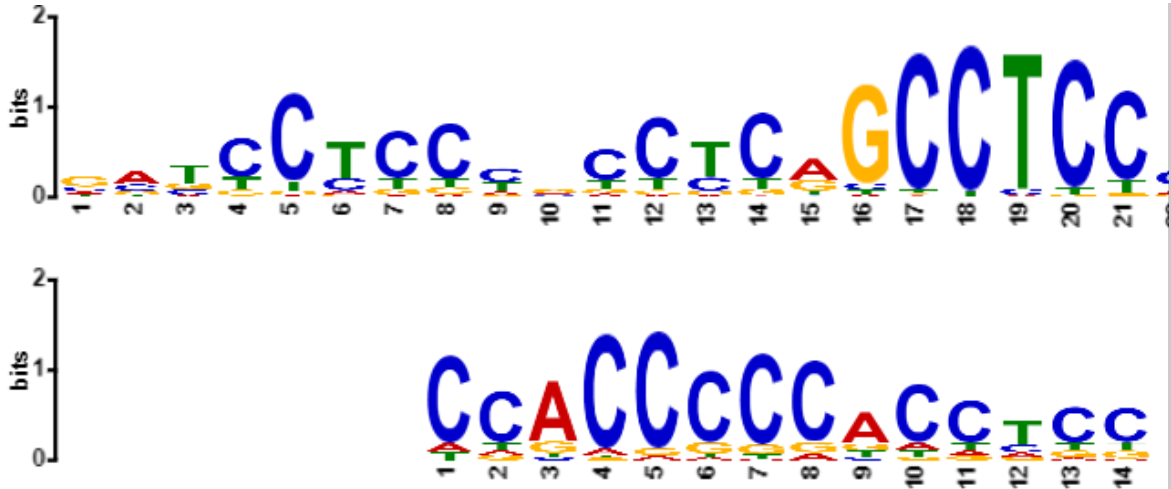
## Optimal Alignment



## Summary

## Optimal Alignment

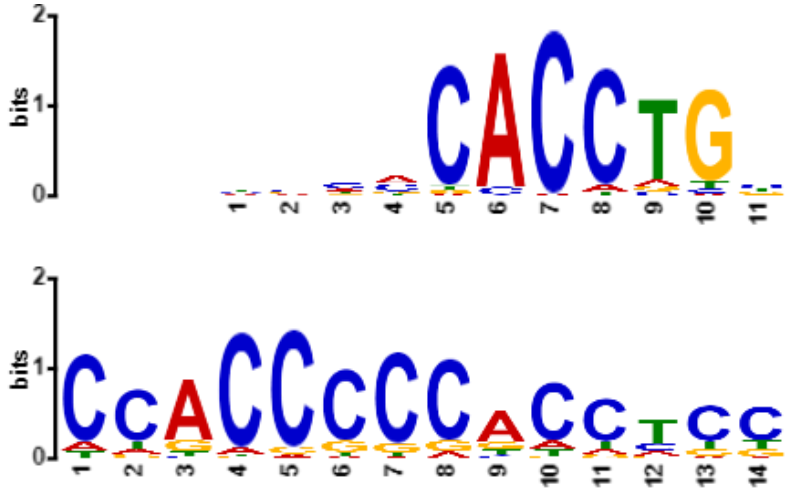
Name	ZN770_HUMAN.H11MO.0.C
Database	HOCOMOCov11_full_HUMAN_mono_meme_format
p-value	1.01e-03
E-value	7.74e-01
q-value	4.08e-02
Overlap	14
Offset	7
Orientation	Reverse Complement
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Summary

Name	MESP1_HUMAN.H11MO.0.D
Database	HOCOMOCov11_full_HUMAN_mono_meme_format
p-value	1.04e-03
E-value	8.03e-01
q-value	4.08e-02
Overlap	11
Offset	-3
Orientation	Reverse Complement
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Optimal Alignment



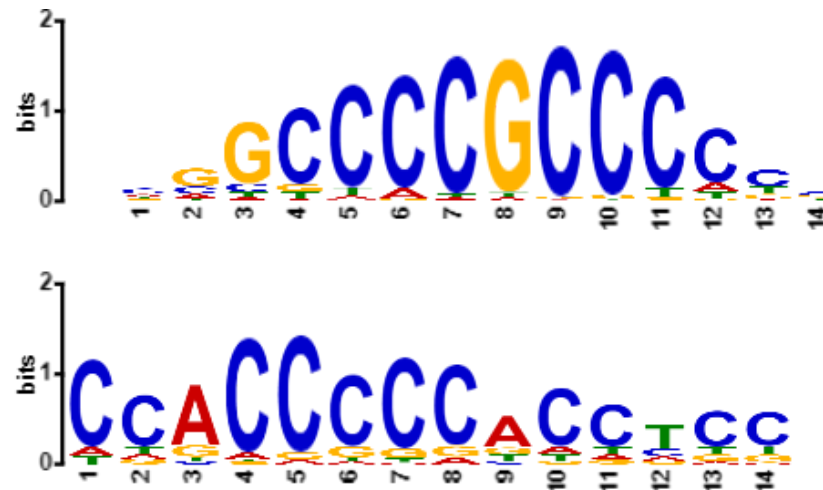
Summary

Optimal Alignment

<b>Name</b>	<a href="#">SP1_HUMAN.H11MO.1.A</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	1.04e-03
<b>E-value</b>	8.04e-01
<b>q-value</b>	4.08e-02

<b>Overlap</b>	13
<b>Offset</b>	-1
<b>Orientation</b>	Reverse Complement

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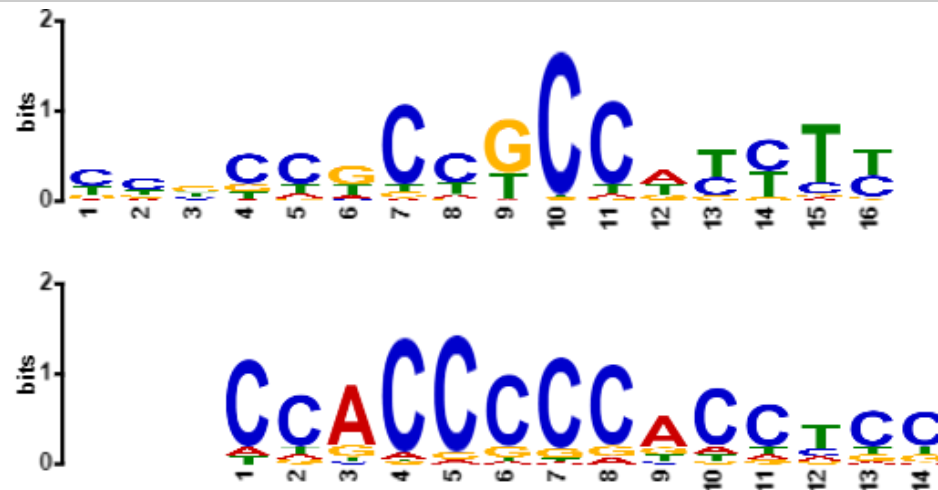
## Summary

<b>Name</b>	<a href="#">TAF1_HUMAN.H11MO.0.A</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	1.05e-03
<b>E-value</b>	8.09e-01
<b>q-value</b>	4.08e-02

<b>Overlap</b>	13
<b>Offset</b>	3
<b>Orientation</b>	Reverse Complement

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## Optimal Alignment



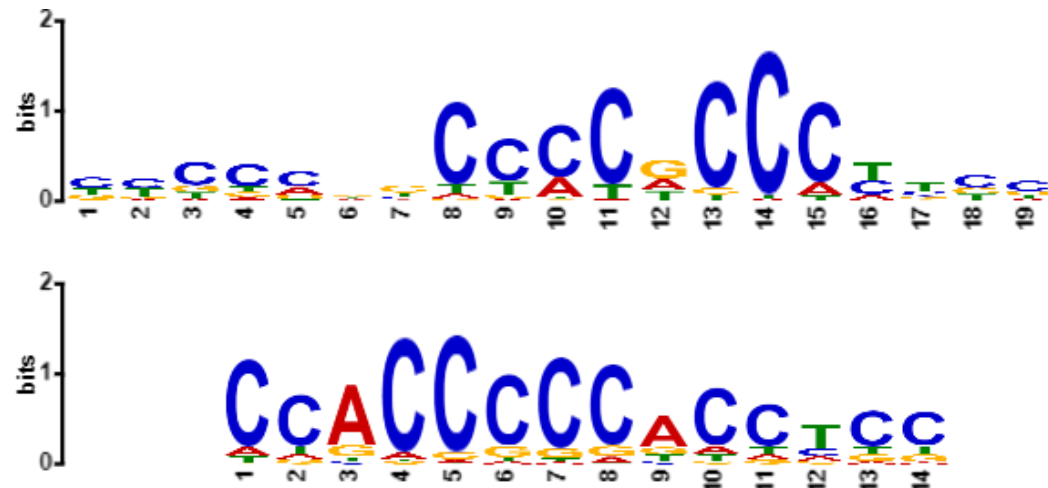
## Summary

## Optimal Alignment

**Name** [KLF6\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 1.26e-03  
**E-value** 9.71e-01  
**q-value** 4.77e-02

**Overlap** 14  
**Offset** 3  
**Orientation** Reverse Complement

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## MATCHES TO 2-ACTTTG (STREME-2)

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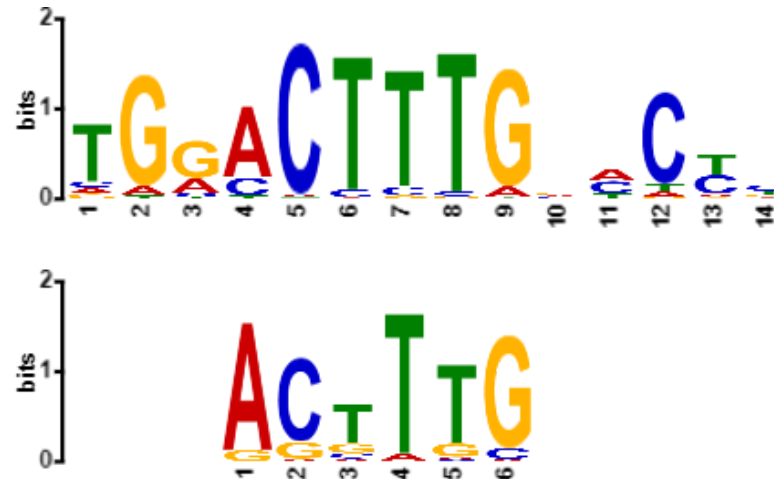
### Summary

**Name** [HNF4A\\_HUMAN.H11MO.0.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 2.82e-04  
**E-value** 2.17e-01  
**q-value** 4.34e-01

**Overlap** 6  
**Offset** 3  
**Orientation** Reverse Complement

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### Optimal Alignment



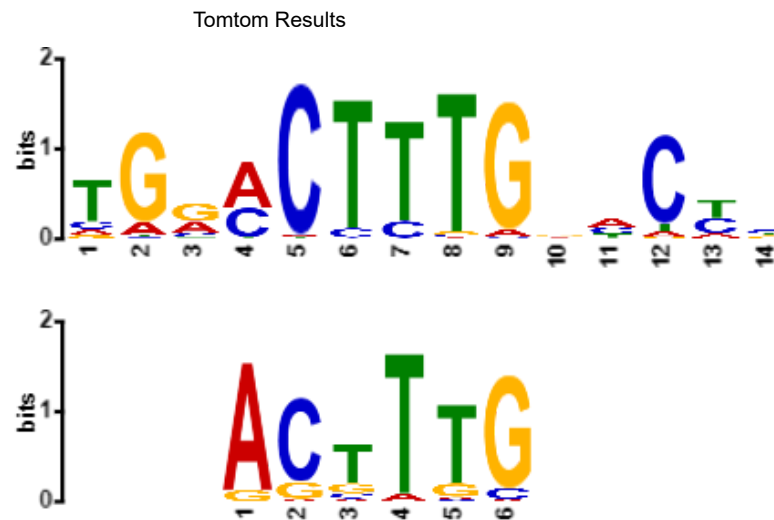
### Summary

### Optimal Alignment

<b>Name</b>	<a href="#">HNF4G_HUMAN.H11MO.0.B</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	1.29e-03
<b>E-value</b>	9.96e-01
<b>q-value</b>	9.59e-01

<b>Overlap</b>	6
<b>Offset</b>	3
<b>Orientation</b>	Reverse Complement

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### MATCHES TO 3-TAATCCCAGCA (STREME-3)

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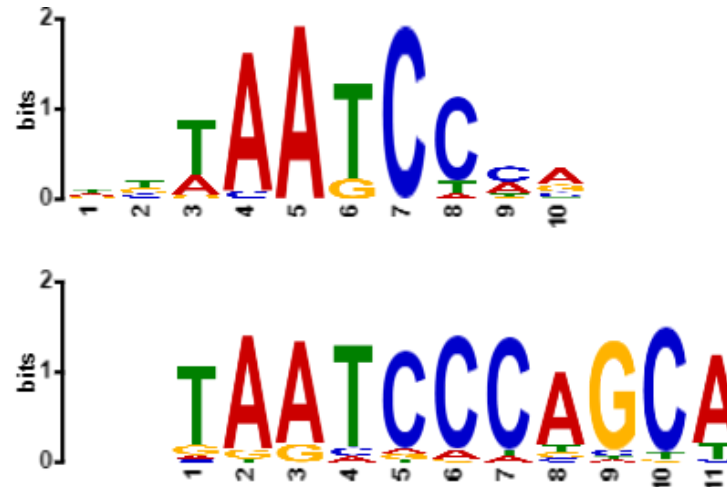
#### Summary

<b>Name</b>	<a href="#">PITX2_HUMAN.H11MO.0.D</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	8.54e-04
<b>E-value</b>	6.57e-01
<b>q-value</b>	7.86e-01

<b>Overlap</b>	8
<b>Offset</b>	2
<b>Orientation</b>	Reverse Complement

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#### Optimal Alignment



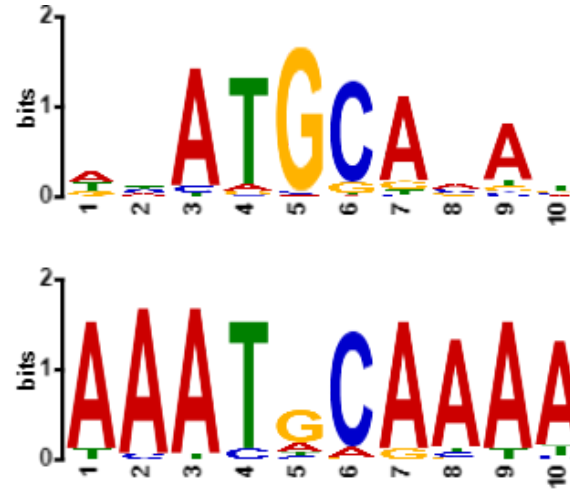
### MATCHES TO 4-AAATGCAAAA (STREME-4)

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## Summary

<b>Name</b>	<a href="#">PO5F1_HUMAN.H11MO.1.A</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	1.86e-04
<b>E-value</b>	1.43e-01
<b>q-value</b>	2.49e-01
<b>Overlap</b>	10
<b>Offset</b>	0
<b>Orientation</b>	Normal
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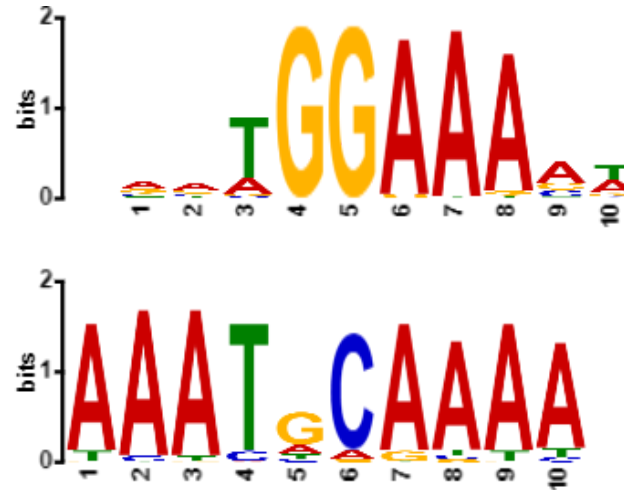
## Optimal Alignment



## Summary

<b>Name</b>	<a href="#">NFAC1_HUMAN.H11MO.1.B</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	3.46e-04
<b>E-value</b>	2.66e-01
<b>q-value</b>	2.49e-01
<b>Overlap</b>	9
<b>Offset</b>	-1
<b>Orientation</b>	Normal
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## Optimal Alignment



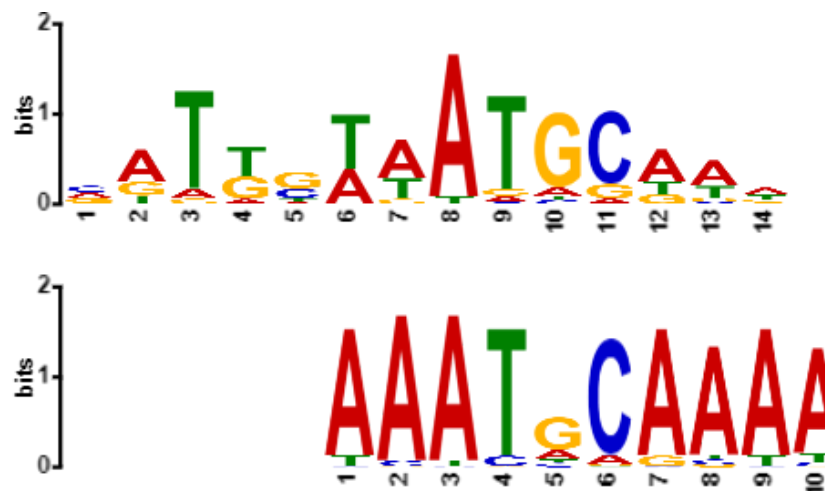
## Summary

## Optimal Alignment

<b>Name</b>	<a href="#">PO3F1_HUMAN.H11MO.0.C</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	4.86e-04
<b>E-value</b>	3.74e-01
<b>q-value</b>	2.49e-01

**Overlap** 9  
**Offset** 5  
**Orientation** Normal

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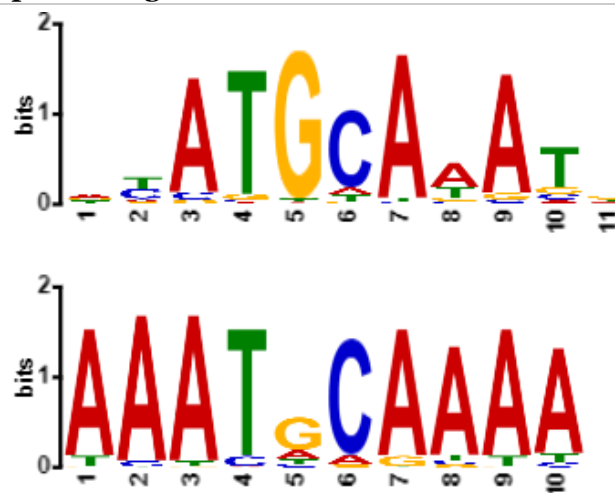
## Summary

<b>Name</b>	<a href="#">PO2F2_HUMAN.H11MO.0.A</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	8.33e-04
<b>E-value</b>	6.40e-01
<b>q-value</b>	2.77e-01

**Overlap** 10  
**Offset** 0  
**Orientation** Normal

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## Optimal Alignment



## Summary

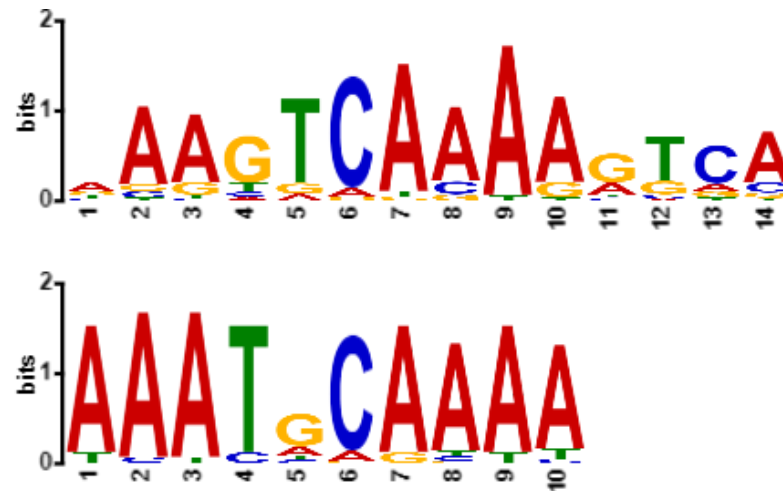
## Optimal Alignment



<b>Name</b>	<a href="#">NR2E3_HUMAN.H11MO.0.C</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	1.02e-03
<b>E-value</b>	7.83e-01
<b>q-value</b>	2.77e-01

**Overlap** 10  
**Offset** 0  
**Orientation** Normal

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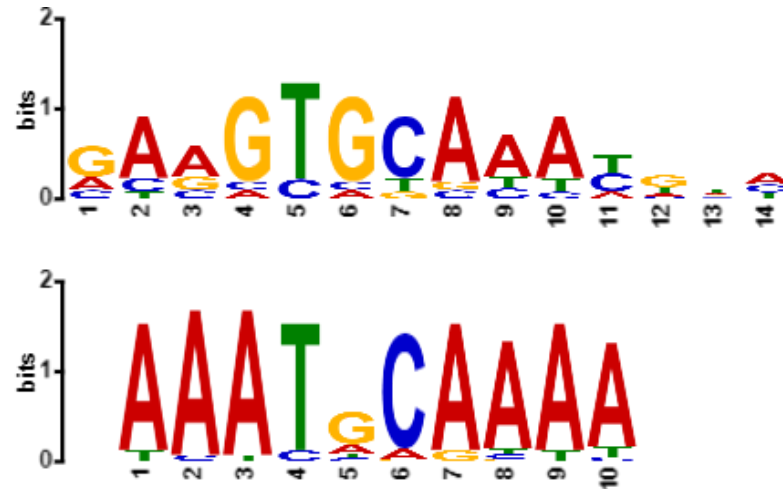
## Summary

<b>Name</b>	<a href="#">ETV3_HUMAN.H11MO.0.D</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	1.13e-03
<b>E-value</b>	8.69e-01
<b>q-value</b>	2.77e-01

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

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## Optimal Alignment



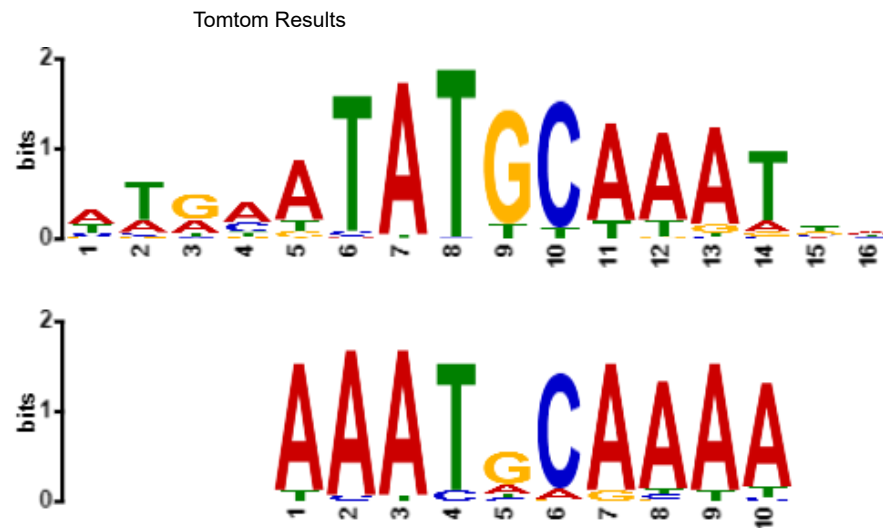
## Summary

## Optimal Alignment

**Name** [P5F1B\\_HUMAN.H11MO.0.D](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 1.26e-03  
**E-value** 9.72e-01  
**q-value** 2.77e-01

**Overlap** 10  
**Offset** 4  
**Orientation** Reverse Complement

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## MATCHES TO 5-GATGTCAG (STREME-5)

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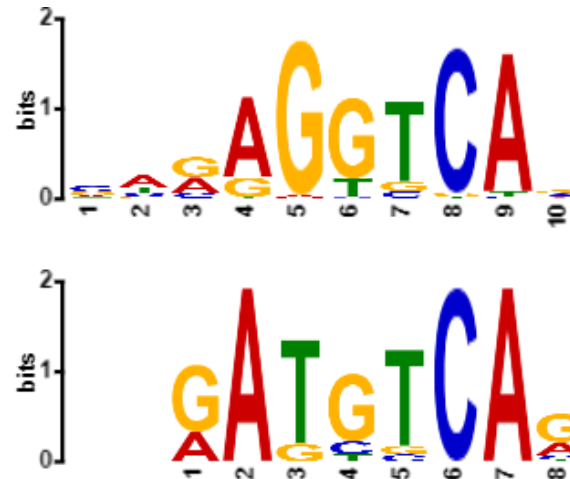
### Summary

**Name** [RXRA\\_HUMAN.H11MO.1.A](#)  
**Database** HOCOMOCov11\_full\_HUMAN\_mono\_meme\_format  
**p-value** 3.97e-04  
**E-value** 3.05e-01  
**q-value** 1.73e-01

**Overlap** 8  
**Offset** 2  
**Orientation** Normal

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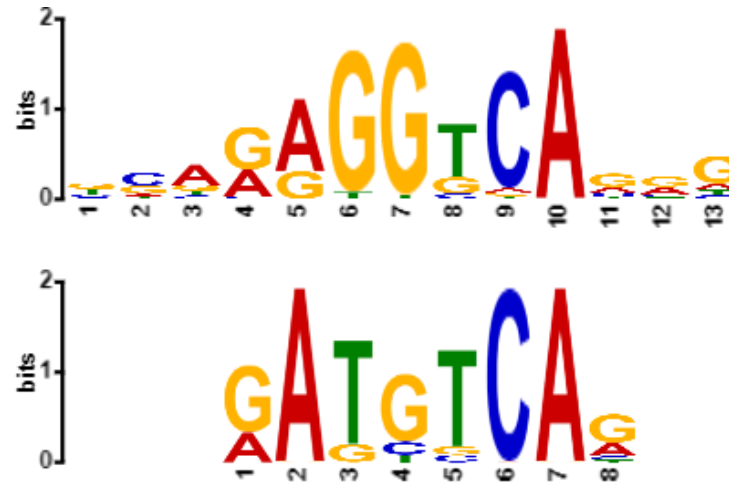
### Optimal Alignment



### Summary

### Optimal Alignment

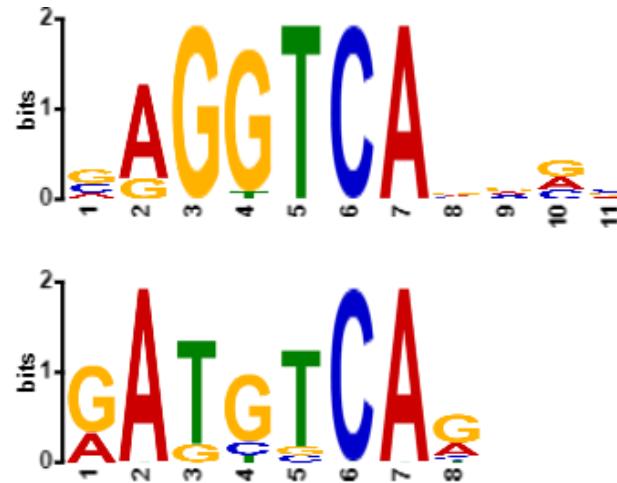
<b>Name</b>	<a href="#">COT1_HUMAN.H11MO.1.C</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	4.37e-04
<b>E-value</b>	3.36e-01
<b>q-value</b>	1.73e-01
<b>Overlap</b>	8
<b>Offset</b>	3
<b>Orientation</b>	Normal
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### Summary

<b>Name</b>	<a href="#">RARB_HUMAN.H11MO.0.D</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	6.40e-04
<b>E-value</b>	4.92e-01
<b>q-value</b>	1.73e-01
<b>Overlap</b>	8
<b>Offset</b>	0
<b>Orientation</b>	Normal
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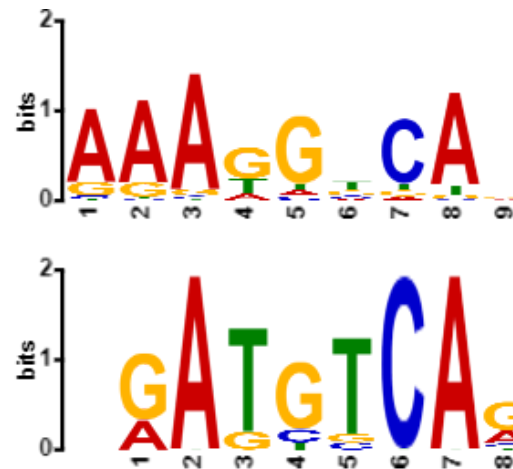
### Optimal Alignment



### Summary

### Optimal Alignment

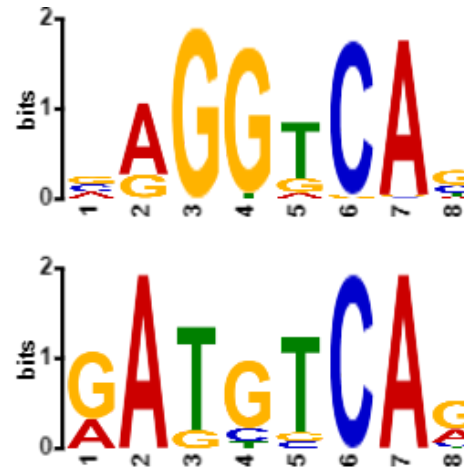
<b>Name</b>	<a href="#">NR4A1_HUMAN.H11MO.0.A</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	6.40e-04
<b>E-value</b>	4.92e-01
<b>q-value</b>	1.73e-01
<b>Overlap</b>	8
<b>Offset</b>	1
<b>Orientation</b>	Normal
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### Summary

<b>Name</b>	<a href="#">RARG_HUMAN.H11MO.1.B</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	6.83e-04
<b>E-value</b>	5.25e-01
<b>q-value</b>	1.73e-01
<b>Overlap</b>	8
<b>Offset</b>	0
<b>Orientation</b>	Normal
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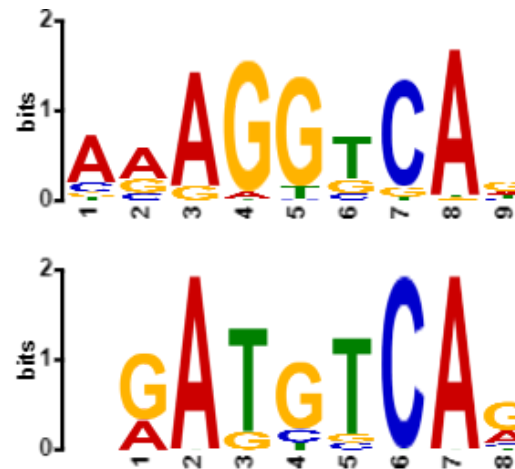
### Optimal Alignment



### Summary

### Optimal Alignment

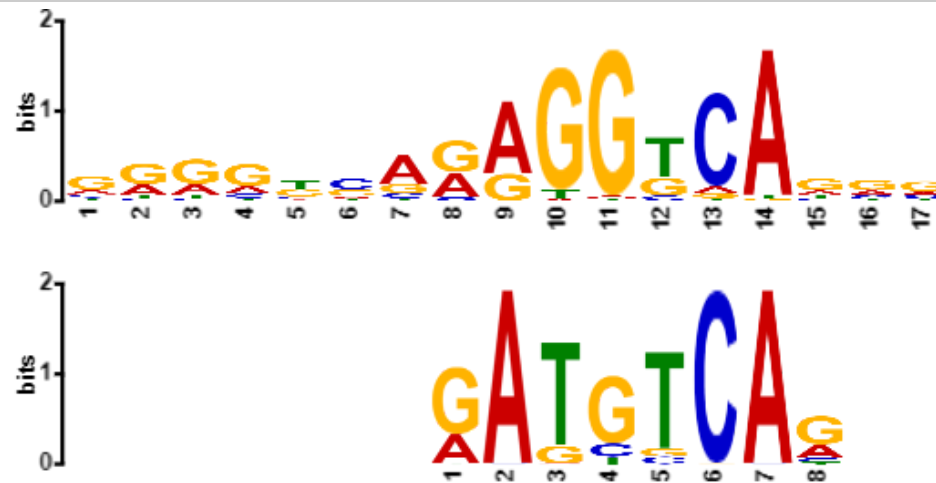
<b>Name</b>	<a href="#">PPARA_HUMAN.H11MO.1.B</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	7.86e-04
<b>E-value</b>	6.04e-01
<b>q-value</b>	1.73e-01
<b>Overlap</b>	8
<b>Offset</b>	1
<b>Orientation</b>	Normal
	<a href="#">Show logo download options</a>



### Summary

<b>Name</b>	<a href="#">COT1_HUMAN.H11MO.0.C</a>
<b>Database</b>	HOCOMOCov11_full_HUMAN_mono_meme_format
<b>p-value</b>	8.77e-04
<b>E-value</b>	6.74e-01
<b>q-value</b>	1.73e-01
<b>Overlap</b>	8
<b>Offset</b>	7
<b>Orientation</b>	Normal
	<a href="#">Show logo download options</a>

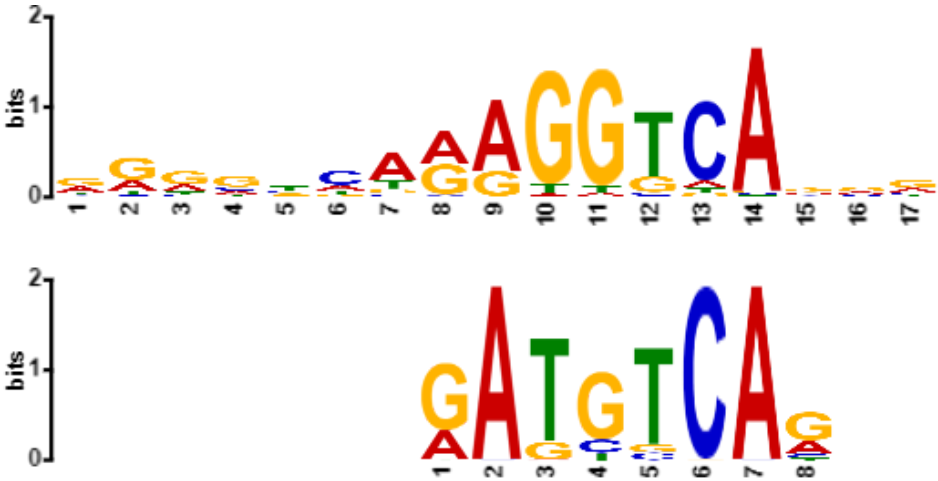
### Optimal Alignment



### Summary

### Optimal Alignment

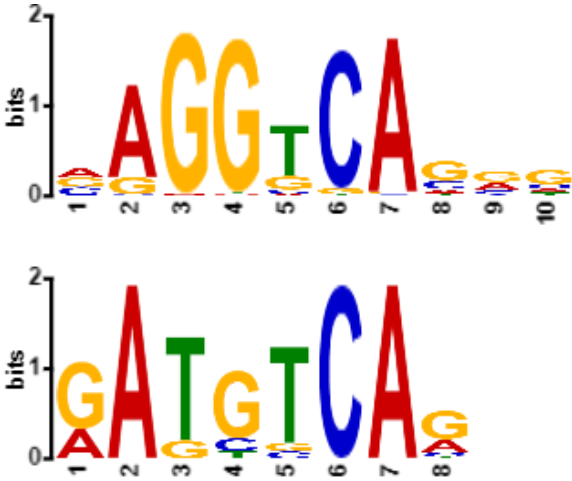
Name	COT2_HUMAN.H11MO.1.A
Database	HOCOMOCov11_full_HUMAN_mono_meme_format
p-value	9.98e-04
E-value	7.68e-01
q-value	1.73e-01
Overlap	8
Offset	7
Orientation	Normal
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Summary

Name	RARA_HUMAN.H11MO.1.A
Database	HOCOMOCov11_full_HUMAN_mono_meme_format
p-value	1.03e-03
E-value	7.92e-01
q-value	1.73e-01
Overlap	8
Offset	0
Orientation	Normal
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Optimal Alignment



SETTINGS

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Alphabet

**Source:** the query file

Name	Bg.				Bg.	Name
Adenine	0.25	A	~	T	0.25	Thymine
Cytosine	0.25	C	~	G	0.25	Guanine

### Other Settings

<b>Strand Handling</b>	Motifs may be reverse complemented before comparison to find a better match.
<b>Distance Measure</b>	Pearson correlation coefficient
<b>Match Threshold</b>	Matches must have a <i>E</i> -value of 1 or smaller.

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### Tomtom version

5.5.1 (Release date: Sun Jan 29 10:33:12 2023 -0800)

### Reference

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

### Command line

```
tomtom -verbosity 1 -oc streme_tomtom_out -min-overlap 5 -dist pearson -evaluate -thresh 1 -no-ssc streme_out/streme.xml
```

Result calculation took 2.771 seconds

