



MOTIFSIM - MOTIF SIMilarity Detection Tool

Version 2.1

INPUT

Input Parameters

Number of files:	4
Number of top significant motifs:	10
Number of best matches:	10
Similarity cutoff $\geq$	0.75
Matching motif database:	UniProbe Mus Musculus
Phylogenetic tree:	Yes
Combined similar motifs:	Yes
Output file type:	All
Output file format:	All

Input files and motif counts

File name	Count of motifs	Dataset number
DREME_DM721.txt	16	1
MEME-ChIP_DM721.txt	11	2
PScanChIP_DM721.txt	37	3
RSAT_peak-motifs_DM721.txt	40	4

RESULTS

Best Matches in Database for Each Motif (Highest to Lowest)

Dataset #: 1 **Motif ID: 1** **Motif name: Motif 1**

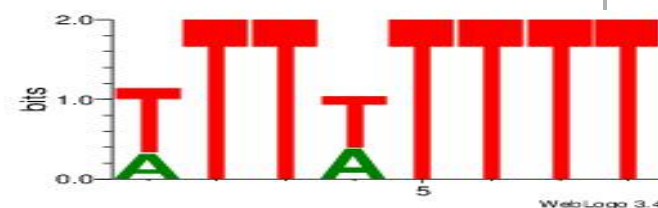
Original motif

Consensus sequence: AAAAWAAA



Reverse complement motif

Consensus sequence: TTTWTTTT



Best Matches for Motif ID 1 (Highest to Lowest)

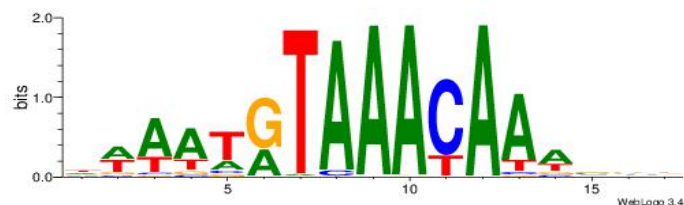
Motif ID:	UP00061
Motif name:	Foxl1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	8
Similarity score:	0

Alignment:

```
VVVWTTGTTTAMATTWD  
---TTTWTTTT-----
```

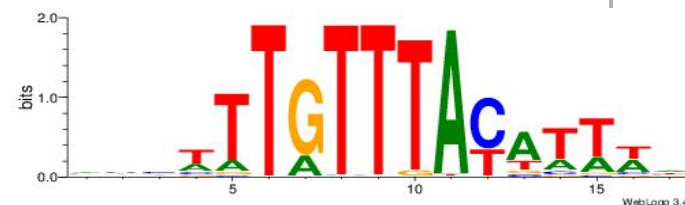
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



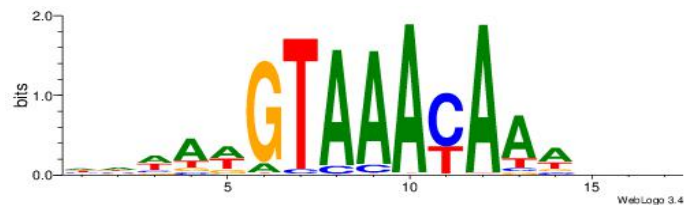
Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.00234495

Alignment:

HHWAWGTAAAYAAVDB
 -----AAAAWAAA----

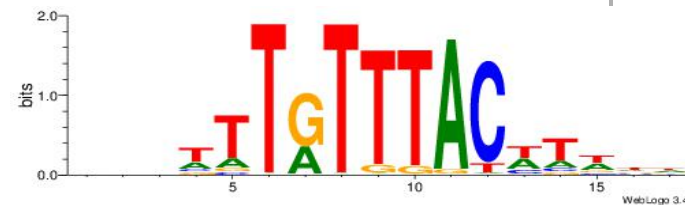
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



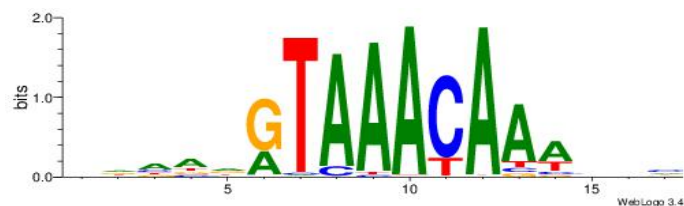
Motif ID: [UP00039](#)
Motif name: Foxj3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0.00263137

Alignment:

DVTTTGTTCACDTHDH
---TTTWTTC-----

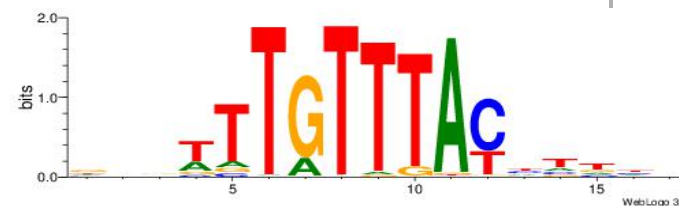
Original motif

Consensus sequence: HDHADGTAAACAAVVH



Reverse complement motif

Consensus sequence: DVTTTGTTCACDTHDH



Motif ID: [UP00134](#)
Motif name: Hoxb13
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward

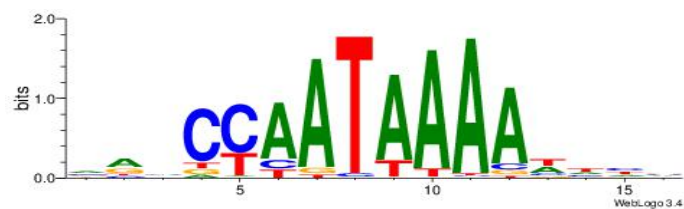
Position number: 4
Number of overlap: 8
Similarity score: 0.00284772

Alignment:

VDHWTTTATTGGDKB
---TTTWTTTT-----

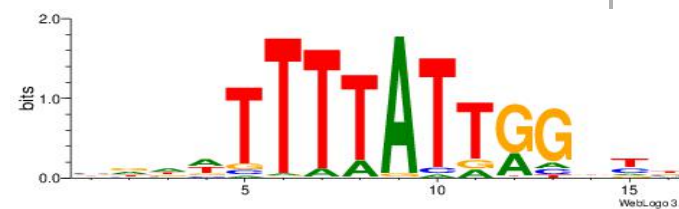
Original motif

Consensus sequence: VRHCCAATAAAWHHV



Reverse complement motif

Consensus sequence: VDHWTTTATTGGDKB



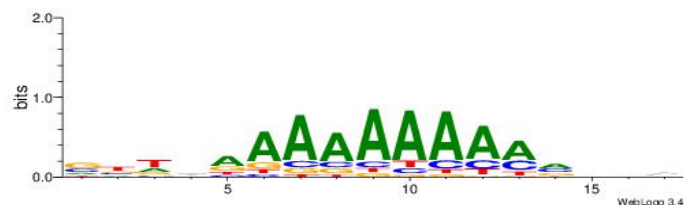
Motif ID: [UP00077](#)
Motif name: Srf_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 8
Similarity score: 0.0029041

Alignment:

HHVBYTTTTTTTTDDVV
-----TTTWTTTT-----

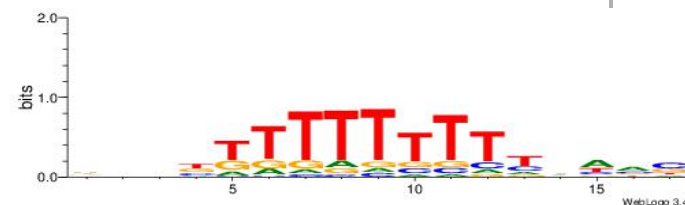
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTTDDV



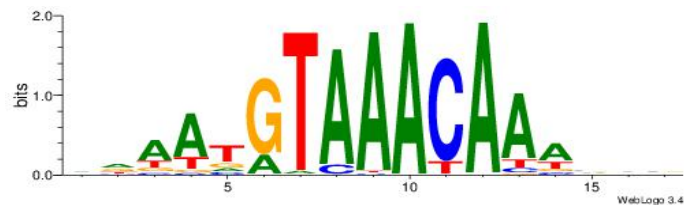
Motif ID: [UP00025](#)
Motif name: Foxk1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 7
Number of overlap: 8
Similarity score: 0.00413427

Alignment:

```
BBVTTTGTTTACATTDD  
---TTTWTTTT-----
```

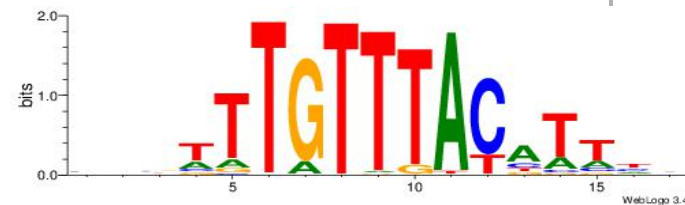
Original motif

Consensus sequence: DDAATGTAAACAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD



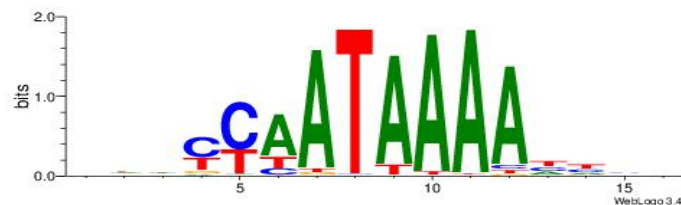
Motif ID: [UP00180](#)
Motif name: Hoxd13
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 8
Similarity score: 0.00521252

Alignment:

HDHYAATAAAHHHH
-----AAAWAAA---

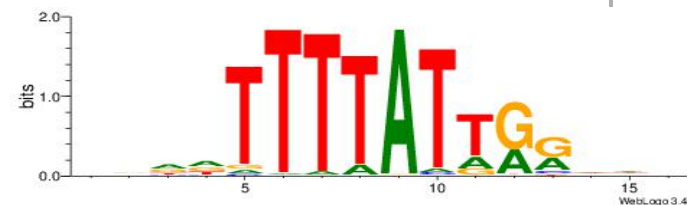
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD



Motif ID: [UP00090](#)
Motif name: Elf3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward

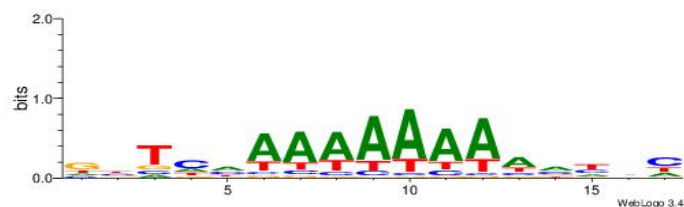
Position number: 5
Number of overlap: 8
Similarity score: 0.0056978

Alignment:

DBTHHAAAAAAAAAVHDDH
-----AAAAWAAA-----

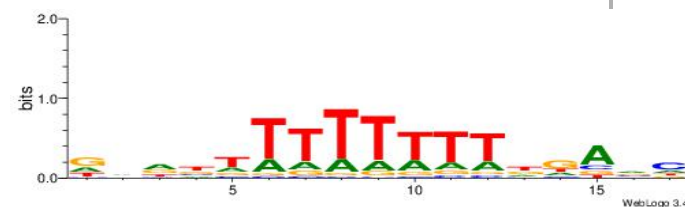
Original motif

Consensus sequence: DBTHHAAAAAAAAAVHDDH



Reverse complement motif

Consensus sequence: DDHBTTTTTTTTTHDAVH



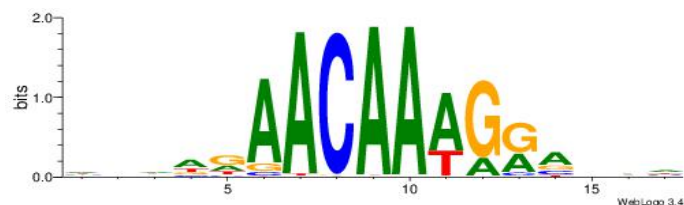
Motif ID: [UP00030](#)
Motif name: Sox11_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 7
Number of overlap: 8
Similarity score: 0.00616244

Alignment:

HBDDRAACAAAGRABHH
---AAAAWAAA-----

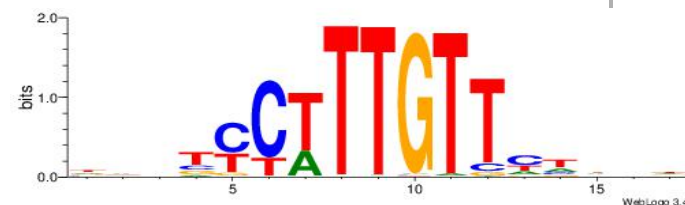
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



Motif ID: [UP00061](#)
Motif name: Foxl1_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 8
Similarity score: 0.00844854

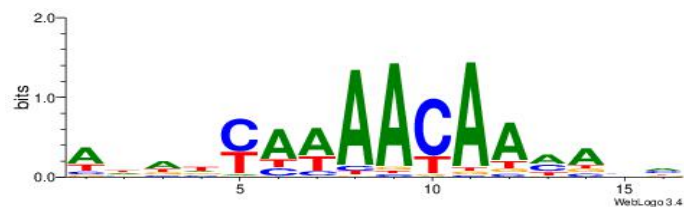
Alignment:

ADDDYAWAACAAMAHH

-----AAAAWAAA---

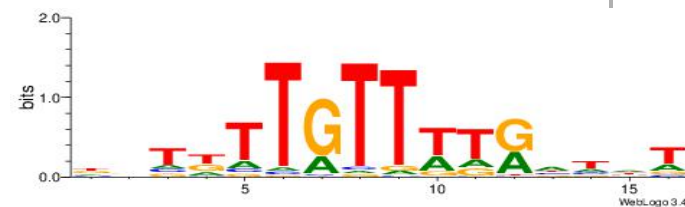
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

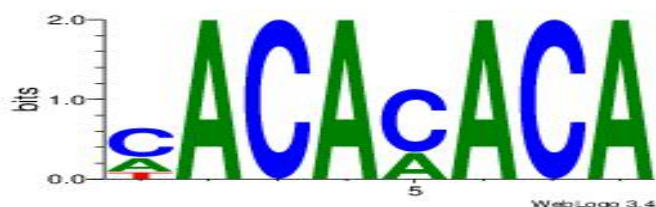
Consensus sequence: HDTYTTGTTWTKDDDT



Dataset #: 1 **Motif ID: 2** **Motif name: Motif 2**

Original motif

Consensus sequence: CACACACA



Reverse complement motif

Consensus sequence: TGTGTGTG



Best Matches for Motif ID 2 (Highest to Lowest)

Motif ID:	UP00042
Motif name:	Gm397_second
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	6
Number of overlap:	8
Similarity score:	0

Alignment:

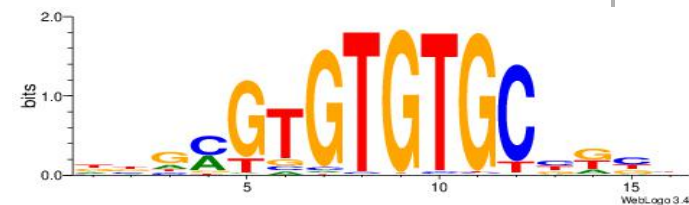
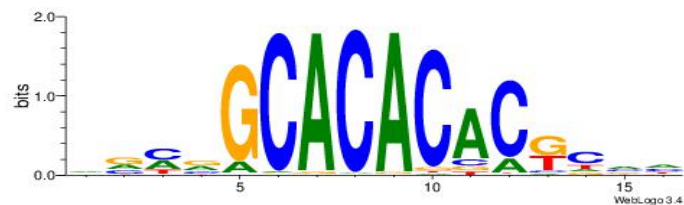
```
HBGYGTGTGTGCVRVD
---TGTGTGTG-----
```

Original motif

Consensus sequence: DVMVGCACACACKCVH

Reverse complement motif

Consensus sequence: HBGYGTGTGTGCVRVD

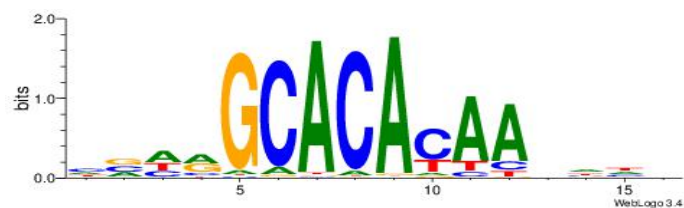


Motif ID: [UP00026](#)
 Motif name: Zscan4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0178637

Alignment:
 BHHHTTGTGTGCKHVD
 -----TGTGTGTG---

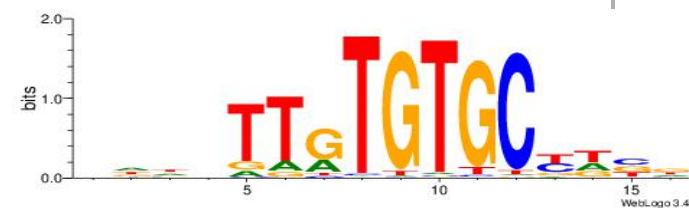
Original motif

Consensus sequence: HVHRGCACACAHHHV



Reverse complement motif

Consensus sequence: BHHHTTGTGTGCKHVD



Motif ID: [UP00004](#)

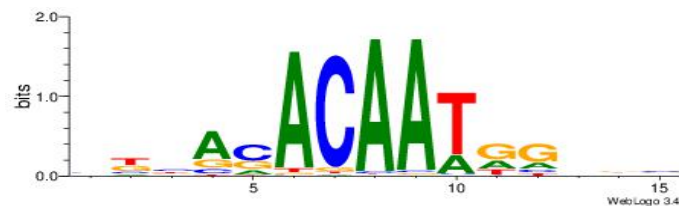
Motif name: Sox14_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.0291592

Alignment:

BBDCMATTGTSTBRB
 -----TGTGTGTG

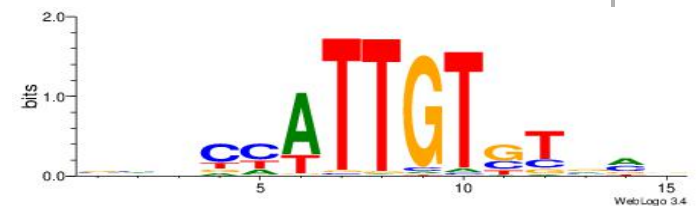
Original motif

Consensus sequence: BKBASACAATRGHBB



Reverse complement motif

Consensus sequence: BBDCMATTGTSTBRB



Motif ID: [UP00042](#)
 Motif name: Gm397_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 9
 Number of overlap: 8

Similarity score: 0.0316665

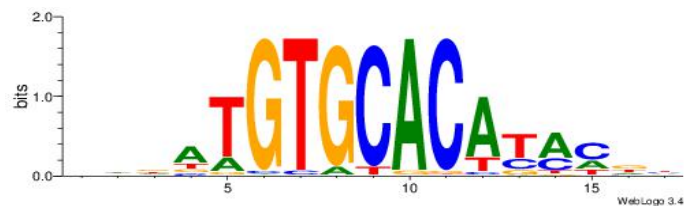
Alignment:

HHRTATGTGCACATHHD

-TGTGTGTG-----

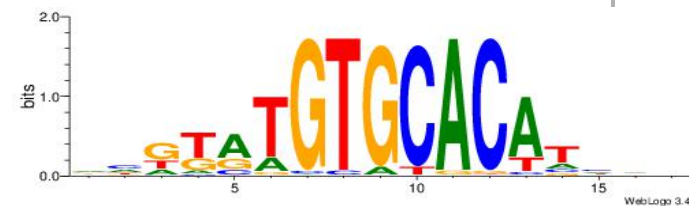
Original motif

Consensus sequence: HHDATGTGCACATAMDH



Reverse complement motif

Consensus sequence: HHRTATGTGCACATHHD



Motif ID: [UP00026](#)
Motif name: Zscan4_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 8
Similarity score: 0.0327662

Alignment:

DHVDTGTGCACAYAHHD

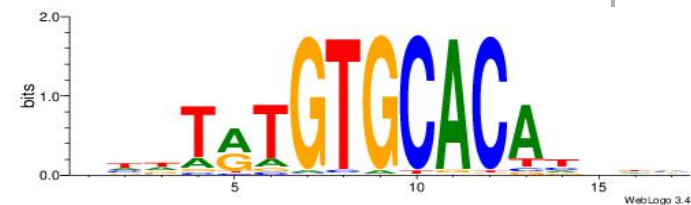
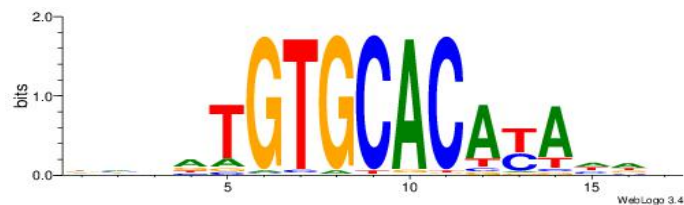
-----CACACACA-

Original motif

Consensus sequence: DHVDTGTGCACAYAHHD

Reverse complement motif

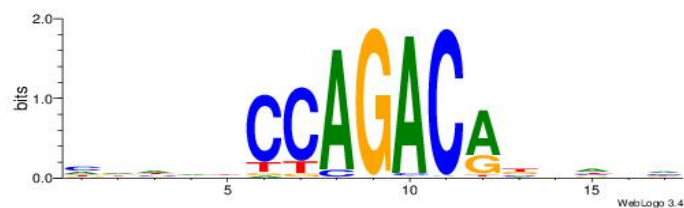
Consensus sequence: HDHTMTGTGCACADVHD



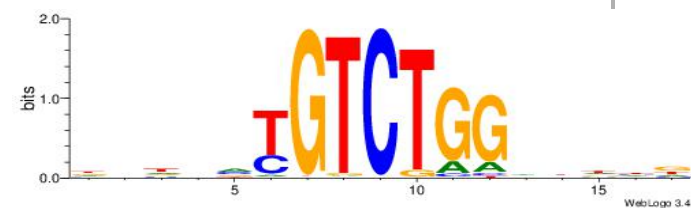
Motif ID: [UP00000](#)
 Motif name: Smad3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0329902

Alignment:
 HVHBVTGTCTGGDDHDD
 -----TGTGTGTG-----

Original motif
 Consensus sequence: HDHDDCCAGACABBHVH



Reverse complement motif
 Consensus sequence: HVHBVTGTCTGGDDHDD



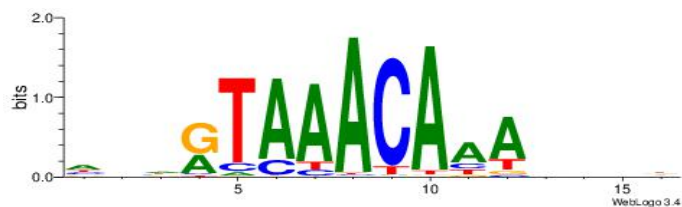
Motif ID: [UP00041](#)
 Motif name: Foxj1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 8
 Similarity score: 0.0361089

Alignment:

HDHRTAAACAAHDDD
 --CACACACA-----

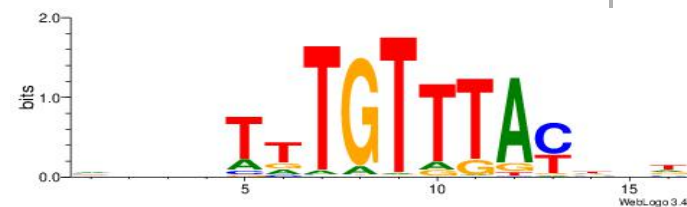
Original motif

Consensus sequence: HDHRTAAACAAHDDD



Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDDH



Motif ID: [UP00101](#)
 Motif name: Sox12_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6

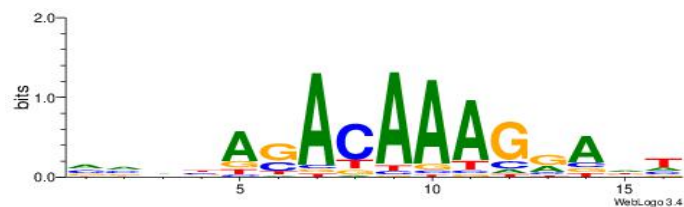
Number of overlap: 8
Similarity score: 0.039766

Alignment:

HDTMCTTTGTSTVDBB
-----TGTGTGTG---

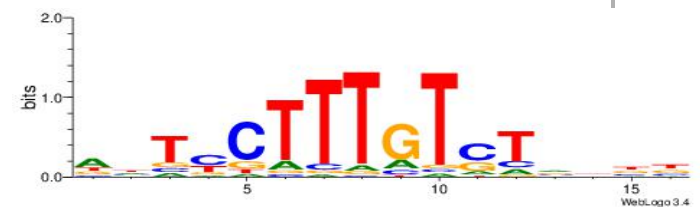
Original motif

Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



Motif ID: [UP00039](#)
Motif name: Foxj3_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 8
Similarity score: 0.0414454

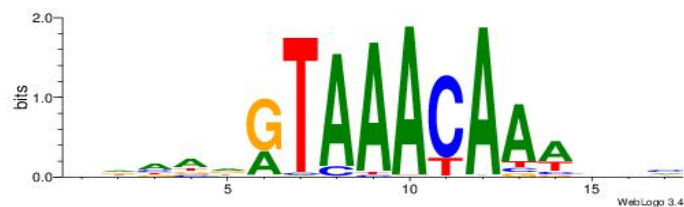
Alignment:

HDHADGTAAACAAAVVH
-----CACACACA-----

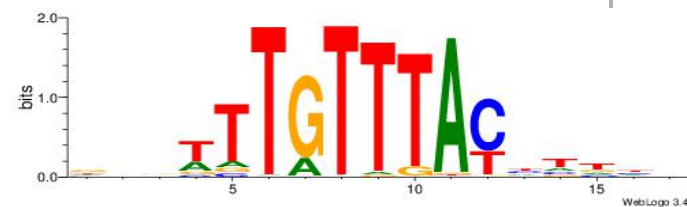
Original motif

Reverse complement motif

Consensus sequence: HDHADGTAAACAAVVH



Consensus sequence: DVVTTTGTTCACDTHDH



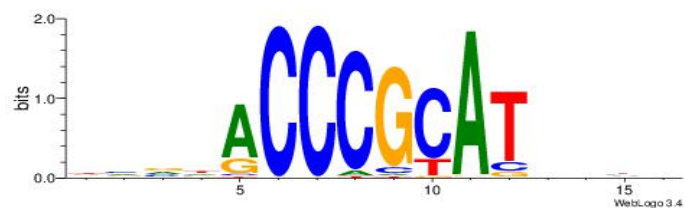
Motif ID: [UP00070](#)
Motif name: Gcm1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0.0420768

Alignment:

HVVHACCCGCATVDHD
---CACACACA-----

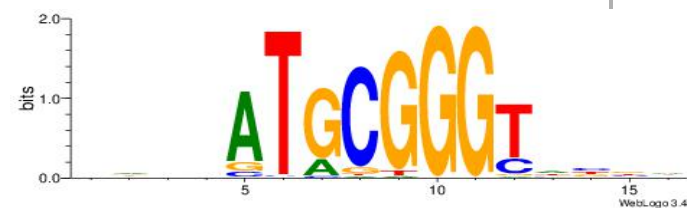
Original motif

Consensus sequence: HVVHACCCGCATVDHD



Reverse complement motif

Consensus sequence: DHDVATGCGGGTHVVH



Dataset #: 1 **Motif ID: 3** **Motif name: Motif 3**

Original motif

Consensus sequence: AWATAMA



Reverse complement motif

Consensus sequence: TYTATWT



Best Matches for Motif ID 3 (Highest to Lowest)

Motif ID:	UP00180
Motif name:	Hoxd13
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	7
Similarity score:	0

Alignment:

HDHHTTTTATTKKHDD

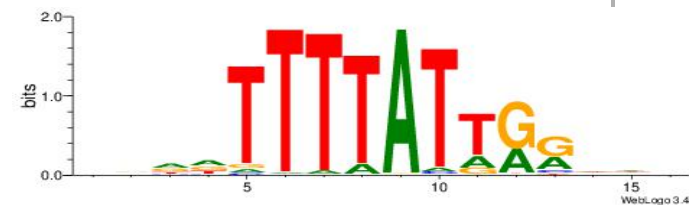
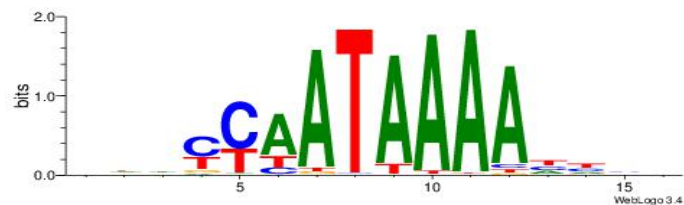
-----TYTATWT-----

Original motif

Consensus sequence: HDHYAATAAAHHHH

Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD

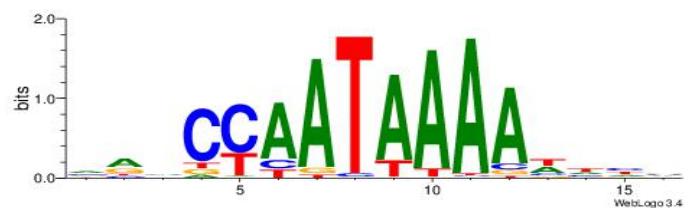


Motif ID: [UP00134](#)
 Motif name: Hoxb13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 7
 Similarity score: 0.0065385

Alignment:
 VDHWT TTTATTGGDKB
 -----TYTATWT-----

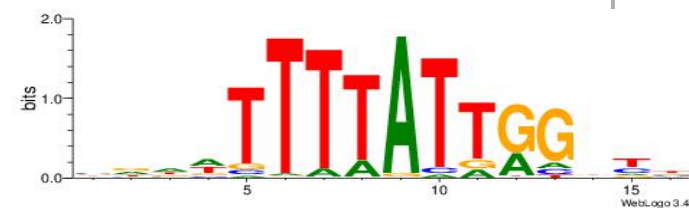
Original motif

Consensus sequence: VRHCCAATAAAWHHV



Reverse complement motif

Consensus sequence: VDHWT TTTATTGGDKB



Motif ID: [UP00121](#)

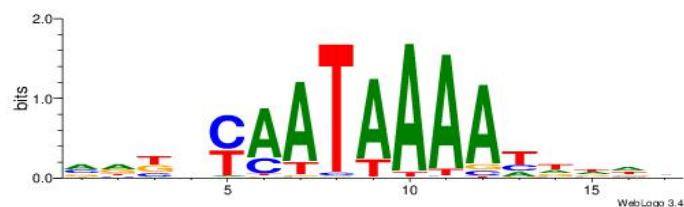
Motif name: Hoxd10
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 7
 Similarity score: 0.0124058

Alignment:

HDDDATTTTATTKVRDB
 -----TYTATWT-----

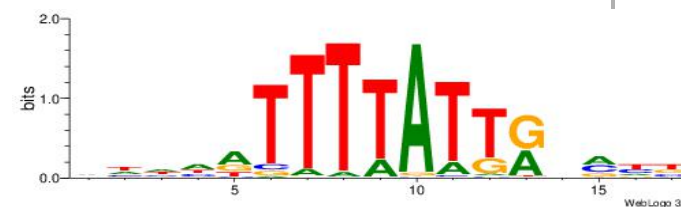
Original motif

Consensus sequence: VDKVYAATAAAATDDDH



Reverse complement motif

Consensus sequence: HDDDATTTTATTKVRDB



Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 7

Similarity score: 0.0126252

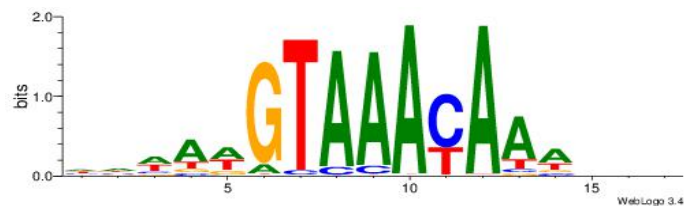
Alignment:

HHWAWGTAAAYAAVDB

-----AWATAMA----

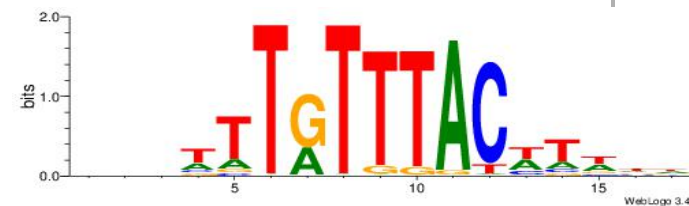
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



Motif ID: [UP00041](#)
Motif name: Foxj1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 7
Similarity score: 0.0147643

Alignment:

HDHRTAAACAAHDDD

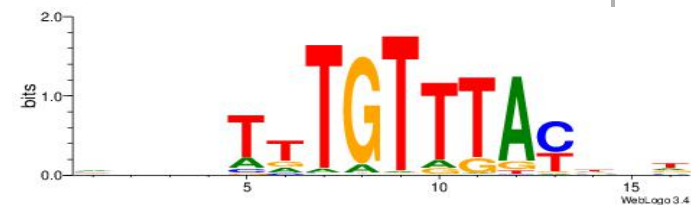
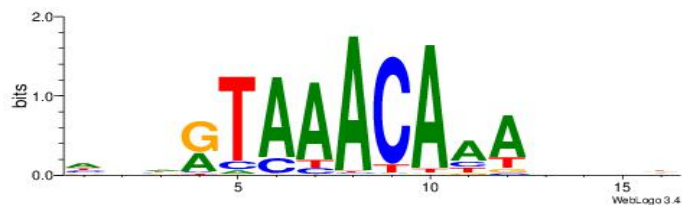
-----AWATAMA----

Original motif

Consensus sequence: HDHRTAAACAAHDDD

Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDD



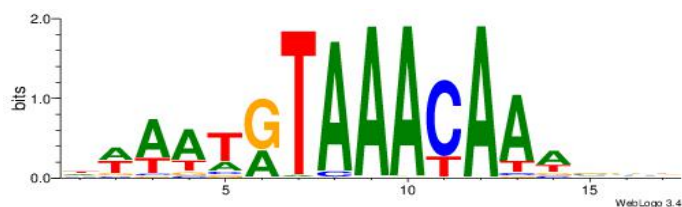
Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 7
 Similarity score: 0.0182155

Alignment:

DWAATRTAAACAAWVVB
 -----AWATAMA----

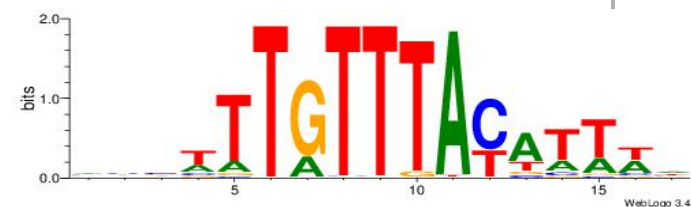
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



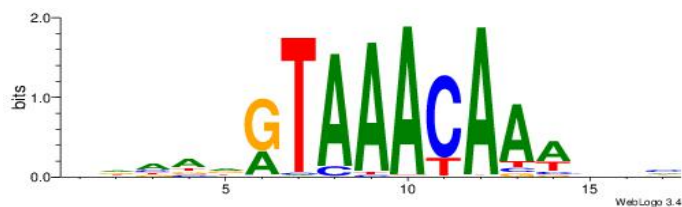
Motif ID: [UP00039](#)
 Motif name: Foxj3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 7
 Similarity score: 0.0194168

Alignment:

HDHADGTAAACAAAVVH
 -----AWATAMA----

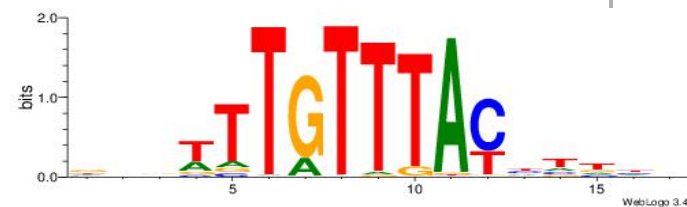
Original motif

Consensus sequence: HDHADGTAAACAAAVVH



Reverse complement motif

Consensus sequence: DVVTTTGTTTACDTHDH



Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8

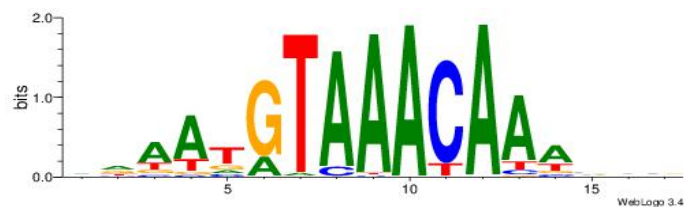
Number of overlap: 7
Similarity score: 0.0214053

Alignment:

DDAATGTAAACAAAVVB
-----AWATAMA----

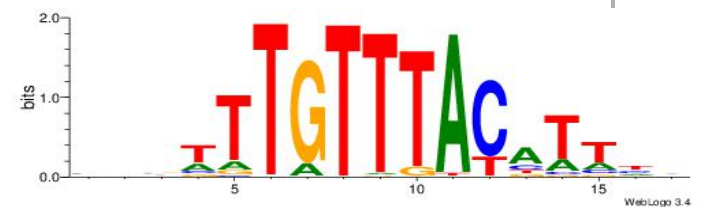
Original motif

Consensus sequence: DDAATGTAAACAAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTCACATDD



Motif ID: [UP00133](#)
Motif name: Cdx2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 7
Similarity score: 0.0216297

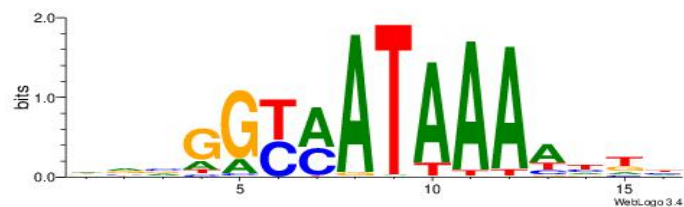
Alignment:

DVVGGYMATAAAHKH
-----AWATAMA-----

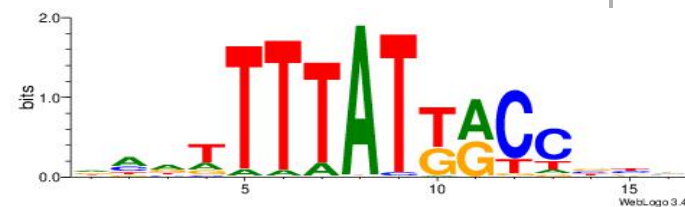
Original motif

Reverse complement motif

Consensus sequence: DVVGGYMATAAAAHKH



Consensus sequence: HRHTTTTATYMCCVBD



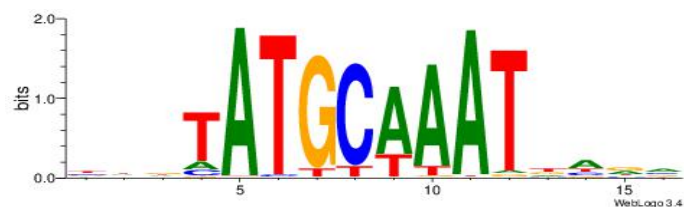
Motif ID: [UP00191](#)
Motif name: Pou2f2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 9
Number of overlap: 7
Similarity score: 0.0237828

Alignment:

BHDTATGCAAATDHDV
-----AWATAMA--

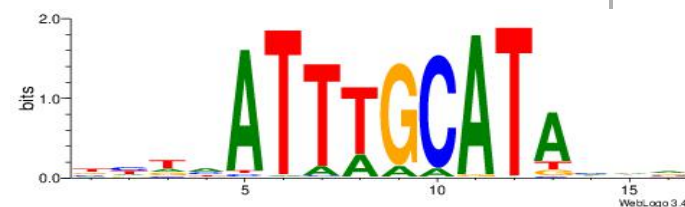
Original motif

Consensus sequence: BHDTATGCAAATDHDV



Reverse complement motif

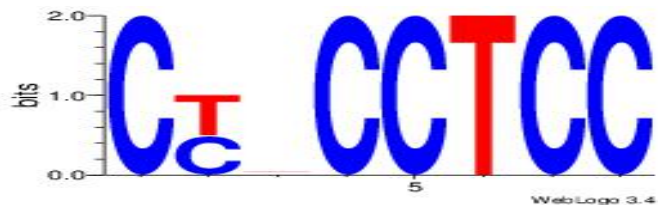
Consensus sequence: BHHDATTTGCATAHHV



Dataset #: 1 **Motif ID: 4** **Motif name: Motif 4**

Original motif

Consensus sequence: CYBCCTCC



Reverse complement motif

Consensus sequence: GGAGGVMG



Best Matches for Motif ID 4 (Highest to Lowest)

Motif ID:	UP00021
Motif name:	Zfp281_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	8
Similarity score:	0.0047591

Alignment:

DBCCCCCCCCCMYC

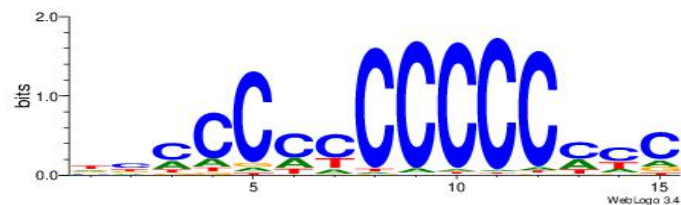
----CYBCCTCC----

Original motif

Consensus sequence: DBCCCCCCCCCMYC

Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD



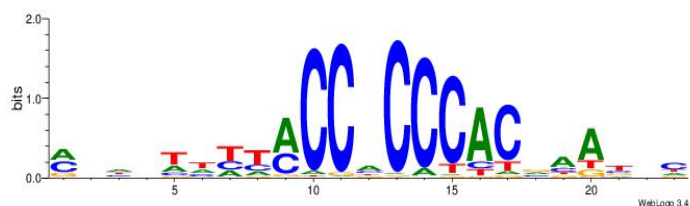
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 8
 Similarity score: 0.0211234

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 -----CYBCCTCC-----

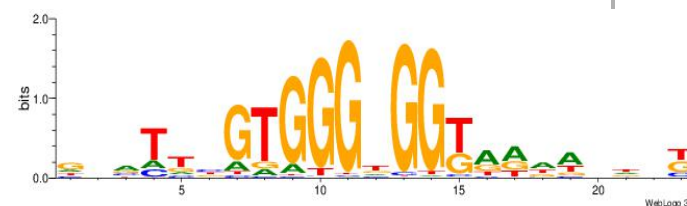
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Motif ID: [UP00540](#)

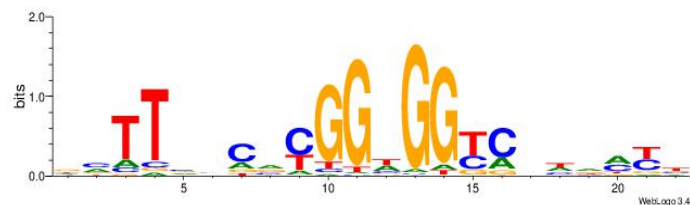
Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0214303

Alignment:

DVTTVVCVYGGHGGYCHHDMYB
 -----GGAGGVMG-----

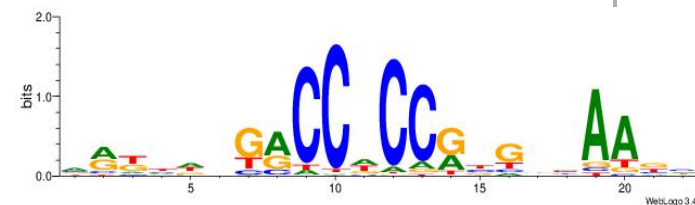
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKKBGVVAHVH



Motif ID: [UP00007](#)
 Motif name: Egr1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 8

Similarity score: 0.0215351

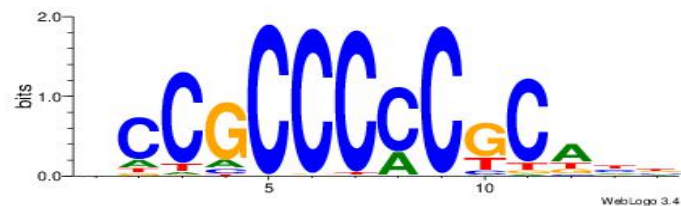
Alignment:

HCCGCCCCCGCAHB

-CYBCCTCC-----

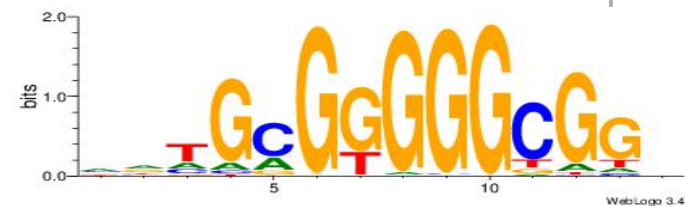
Original motif

Consensus sequence: HCCGCCCCCGCAHB



Reverse complement motif

Consensus sequence: VHTGCGGGGGCGGH



Motif ID: [UP00033](#)

Motif name: Zfp410_primary

Species: Mus musculus

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 3

Number of overlap: 8

Similarity score: 0.0262858

Alignment:

BDDYYCATCCCATDDBD

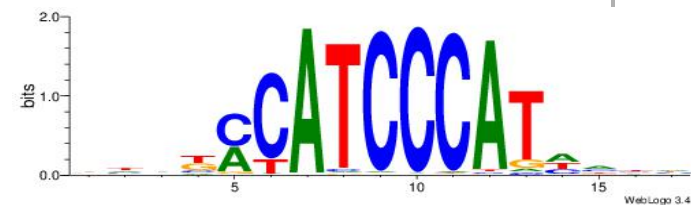
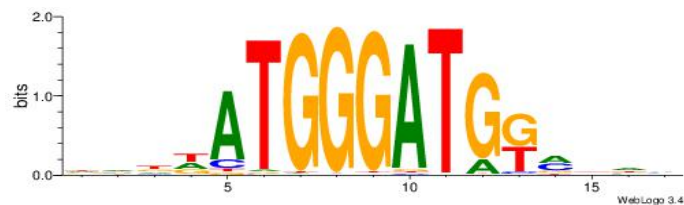
--CYBCCTCC-----

Original motif

Consensus sequence: DVDDATGGGATGKMDDV

Reverse complement motif

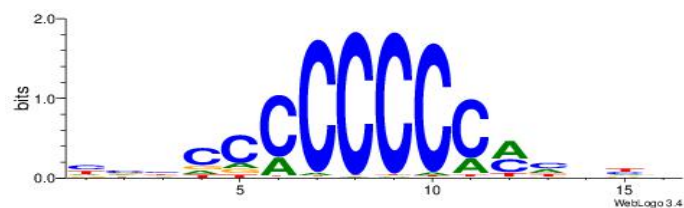
Consensus sequence: BDDYYCATCCCATDDBD



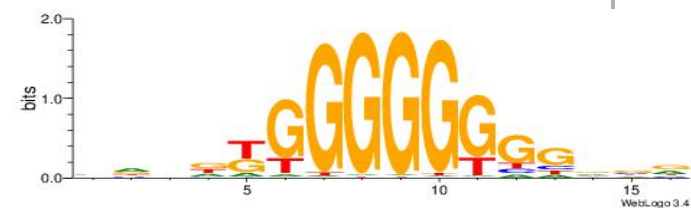
Motif ID: [UP00022](#)
 Motif name: Zfp740_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0273549

Alignment:
 HVBCCCCCCCCMHHHB
 ---CYBCCTCC-----

Original motif
 Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif
 Consensus sequence: BHHDYGGGGGGGGBVD



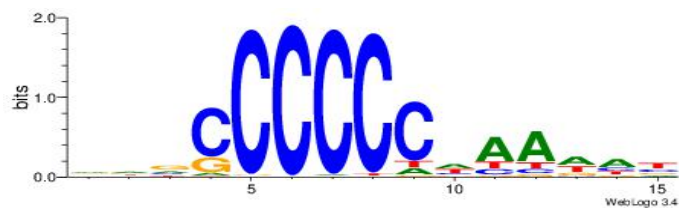
Motif ID: [UP00047](#)
 Motif name: Zbtb7b_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 8
 Similarity score: 0.0294721

Alignment:

VHWTTTHGGGGGGVDD
 -----GGAGGVMG-

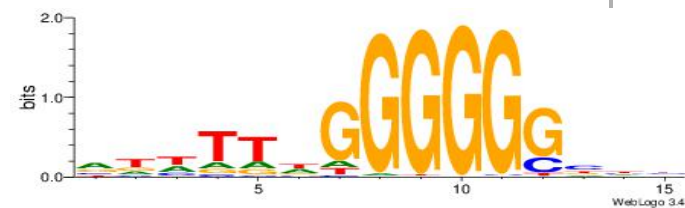
Original motif

Consensus sequence: DDVCCCCCCHAAWHB



Reverse complement motif

Consensus sequence: VHWTTTHGGGGGGVDD



Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3

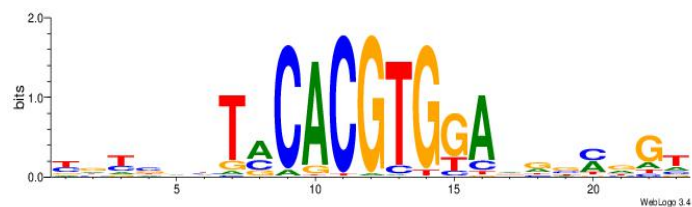
Number of overlap: 8
Similarity score: 0.0296935

Alignment:

YDYBDHTMCACGTGGADDBMDGT
-----GGAGGVMG--

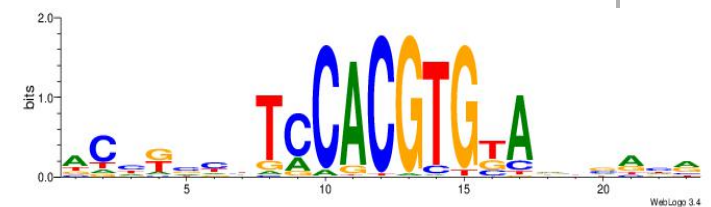
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



Motif ID: [UP00022](#)
Motif name: Zfp740_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 8
Number of overlap: 8
Similarity score: 0.0314233

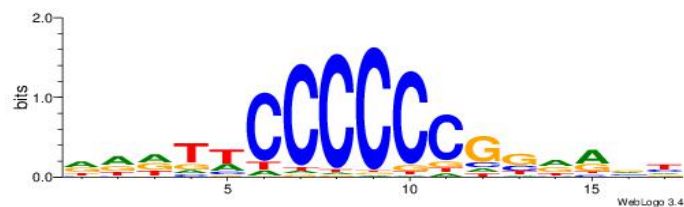
Alignment:

HVKDCCGGGGGGWADDD
-----GGAGGVMG--

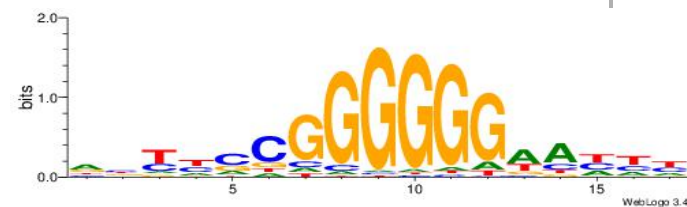
Original motif

Reverse complement motif

Consensus sequence: DDDTWCCCCCGGDRVH



Consensus sequence: HVKDCCGGGGGGWADDD



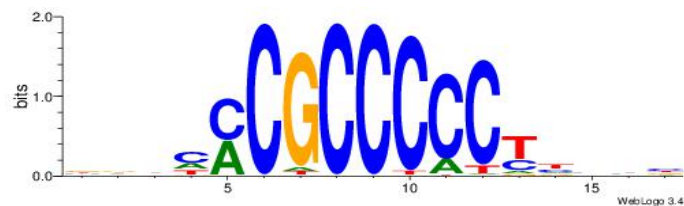
Motif ID: [UP00002](#)
Motif name: Sp4_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 8
Similarity score: 0.0324346

Alignment:

BDHHMCGCCCCCTHVBB
-----CYBCCTCC-----

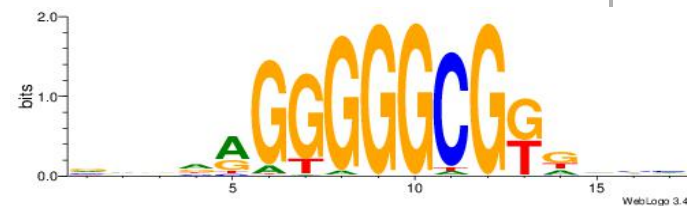
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



Dataset #: 1 **Motif ID: 5** **Motif name: Motif 5**

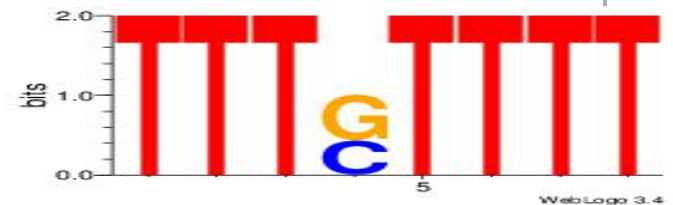
Original motif

Consensus sequence: AAAASAAA



Reverse complement motif

Consensus sequence: TTTSTTTT



Best Matches for Motif ID 5 (Highest to Lowest)

Motif ID:	UP00062
Motif name:	Sox4_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	7
Number of overlap:	8
Similarity score:	0

Alignment:

HBDDDAACAAAGRVBHH

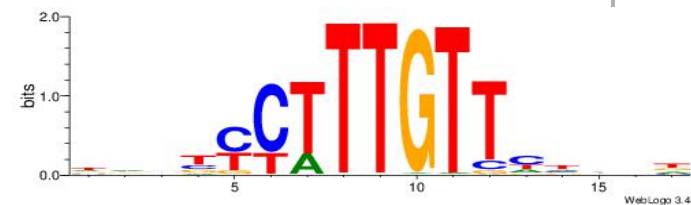
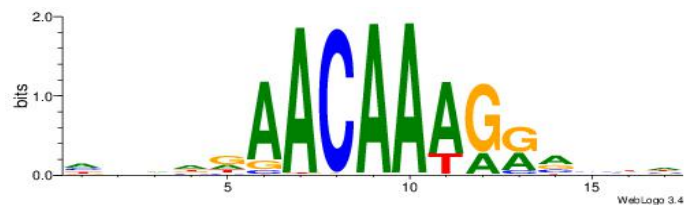
---AAAASAAA-----

Original motif

Consensus sequence: HBDDDAACAAAGRVBHH

Reverse complement motif

Consensus sequence: HHBBMCTTTGTTTHDDBH

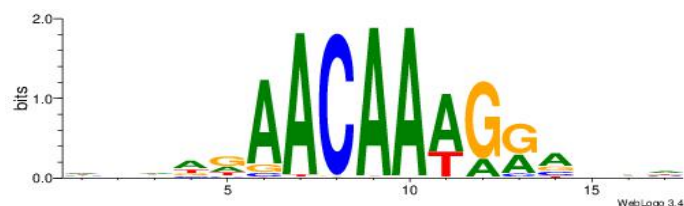


Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.000128474

Alignment:
 HBDDRAACAAAGRABHH
 ---AAAASAAA-----

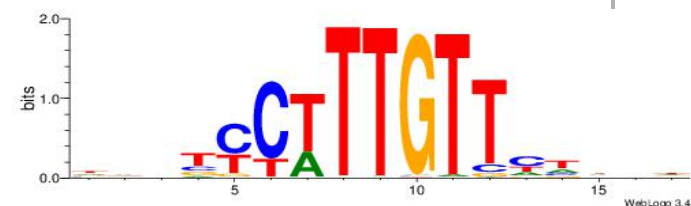
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



Motif ID: [UP00061](#)

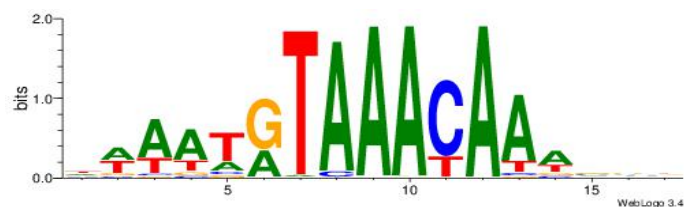
Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.000164173

Alignment:

DWAATRTAAACAAWVVB
 -----AAAASAAA---

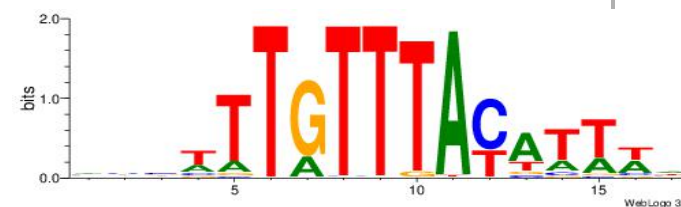
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD

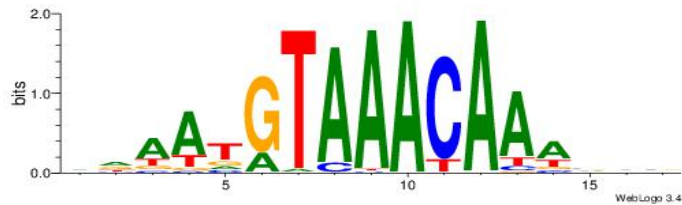


Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8

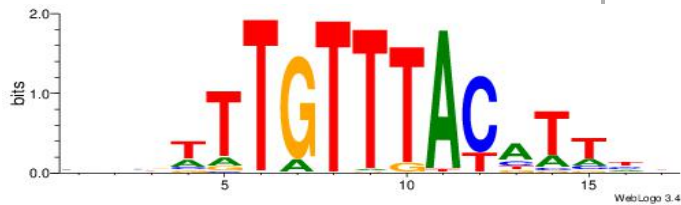
Similarity score: 0.000213551

Alignment:
DDAATGTAAACAAAVVB
-----AAAASAAA----

Original motif
Consensus sequence: DDAATGTAAACAAAVVB



Reverse complement motif
Consensus sequence: BBVTTTGTTCATTDD

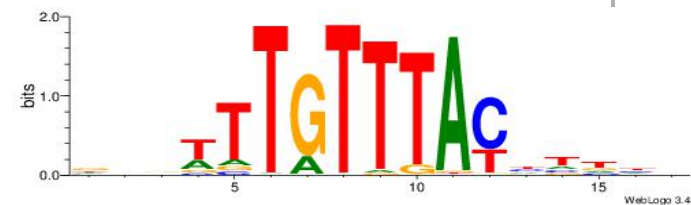
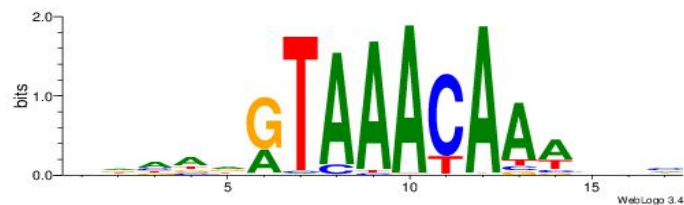


Motif ID: [UP00039](#)
Motif name: Foxj3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0.0017146

Alignment:
DVVTTTGTTCATDTHDH
---TTTSTTTT-----

Original motif
Consensus sequence: HDHADGTAAACAAAVVH

Reverse complement motif
Consensus sequence: DVVTTTGTTCATDTHDH

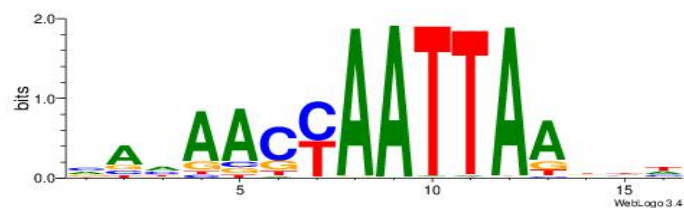


Motif ID: [UP00171](#)
 Motif name: Msx3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.00344628

Alignment:
 HHVTTAATTKGTTHTV
 -----TTTSTTTT-

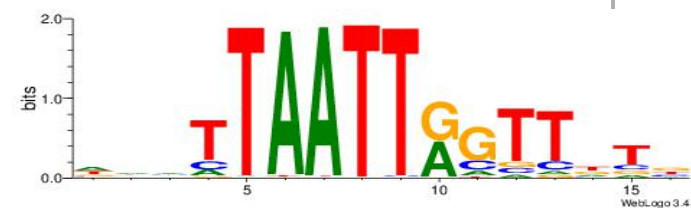
Original motif

Consensus sequence: VAHAACYAATTAABHH



Reverse complement motif

Consensus sequence: HHVTTAATTKGTTHTV



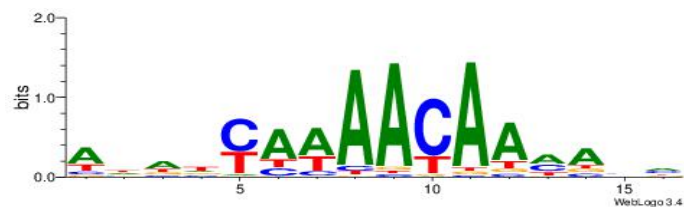
Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0055484

Alignment:

ADDDYAWAACAAMAHH
 -----AAAASAAA---

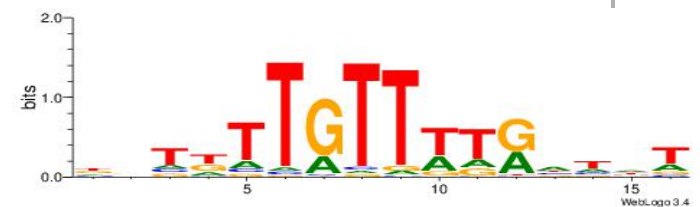
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4

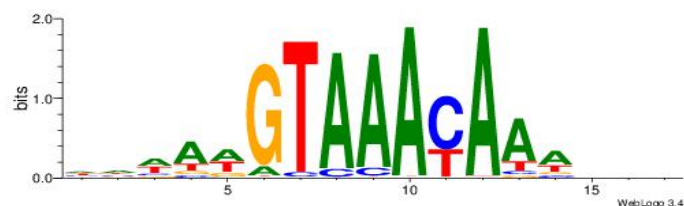
Number of overlap: 8
Similarity score: 0.00600115

Alignment:

BDVTTTKTTTACWTWHH
---TTTSTTTT-----

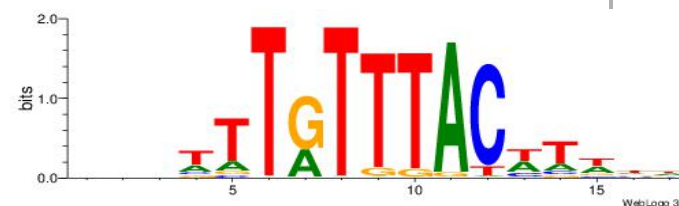
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



Motif ID: [UP00041](#)
Motif name: Foxj1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 8
Similarity score: 0.0108329

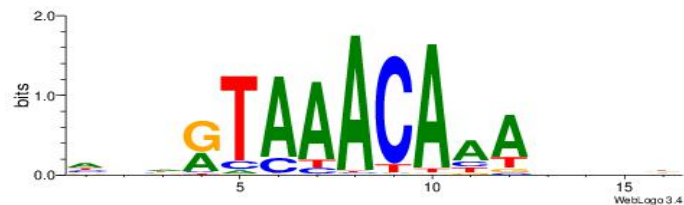
Alignment:

DDDHTTTGTTTAMHDH
----TTTSTTTT----

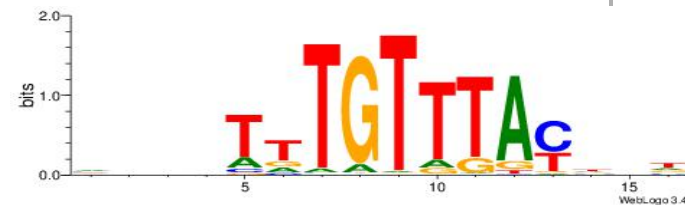
Original motif

Reverse complement motif

Consensus sequence: HDHRTAAACAAHDDD



Consensus sequence: DDDHTTTGTTTAMHDDH

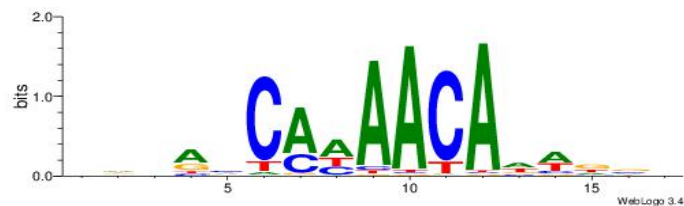


Motif ID: [UP00039](#)
Motif name: Foxj3_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 7
Number of overlap: 8
Similarity score: 0.0126083

Alignment:
DVHWDTGTTWTGDTBDH
---TTTSTTTT-----

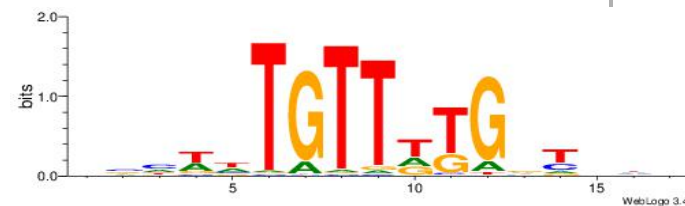
Original motif

Consensus sequence: HDBAHCAWAACADWDVD



Reverse complement motif

Consensus sequence: DVHWDTGTTWTGDTBDH



Dataset #: 1 **Motif ID: 6** **Motif name: Motif 6**

Original motif

Consensus sequence: CCCCRCCC



Reverse complement motif

Consensus sequence: GGGKGGGG



Best Matches for Motif ID 6 (Highest to Lowest)

Motif ID:	UP00093
Motif name:	Klf7_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	8
Similarity score:	0

Alignment:

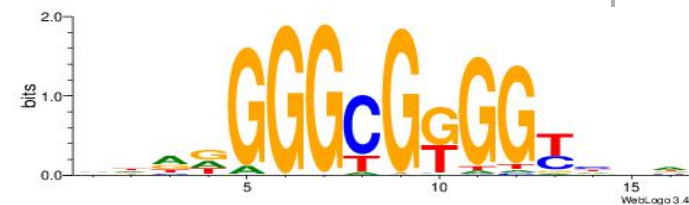
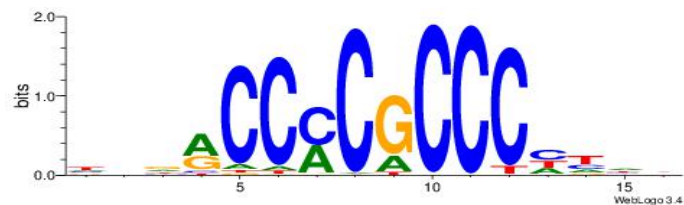
```
HBDRCCMCGCCCHHHD
-----CCCCRCCC-----
```

Original motif

Consensus sequence: HBDRC~~CMCGCCCHH~~HD

Reverse complement motif

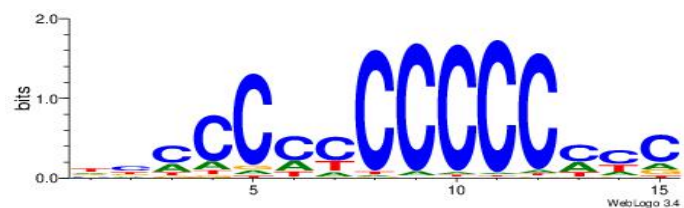
Consensus sequence: DHHDGGGCGRGGKHBH



Motif ID: [UP00021](#)
 Motif name: Zfp281_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.0189858

Alignment:
 GKRGGGGGGGGGGBD
 -----GGGKGGG--

Original motif
 Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif
 Consensus sequence: GKRGGGGGGGGGGBD



Motif ID: [UP00022](#)

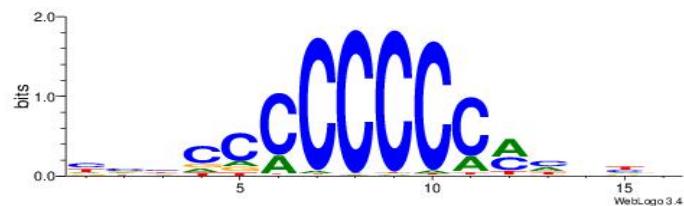
Motif name: Zfp740_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0254924

Alignment:

BHHDYGGGGGGGGBVD
 -----GGGKGGGG---

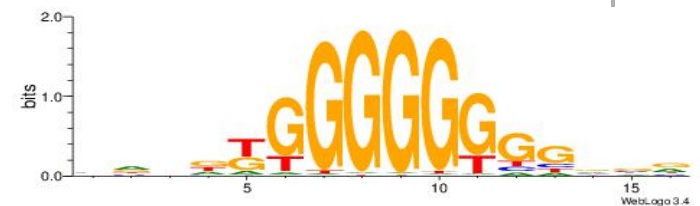
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGBVD

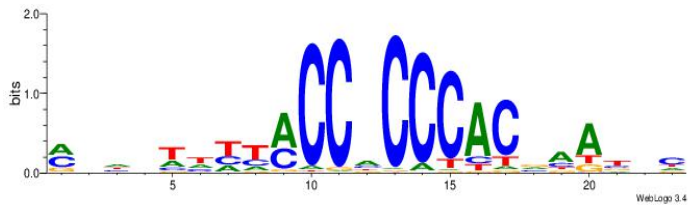


Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 8

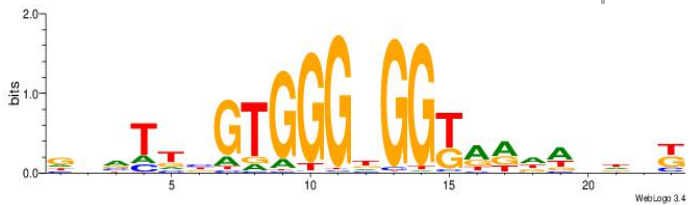
Similarity score: 0.0344544

Alignment:
MHHHWHYTMCCCHCCCACVAABVH
-----CCCCRCCC-----

Original motif
Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif
Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY

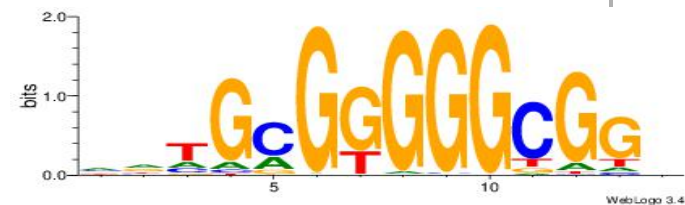
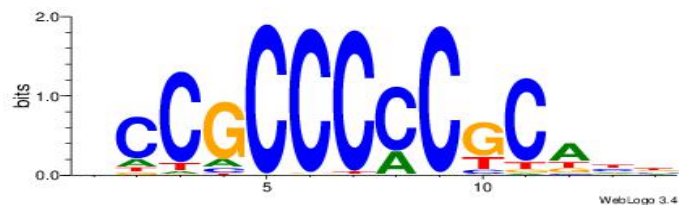


Motif ID: [UP00007](#)
Motif name: Egr1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 8
Similarity score: 0.0351247

Alignment:
VHTGCGGGGGCGGH
-----GGGKGGG-

Original motif
Consensus sequence: HCCGCCCCGCAHB

Reverse complement motif
Consensus sequence: VHTGCGGGGGCGGH



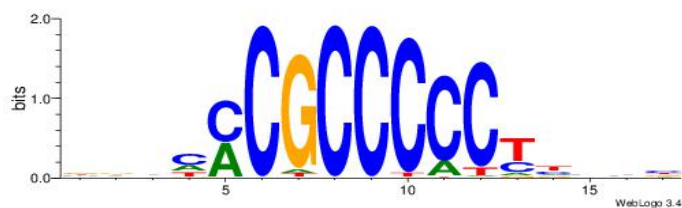
Motif ID: [UP00002](#)
 Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.0379829

Alignment:

BDHHMCGCCCCCTHVBB
 --CCCCRCCC-----

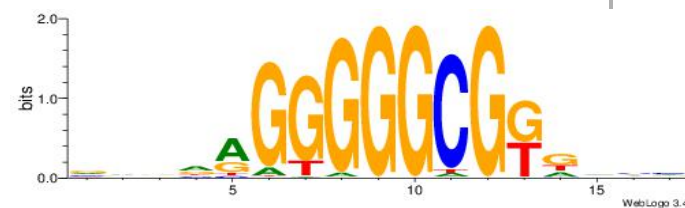
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



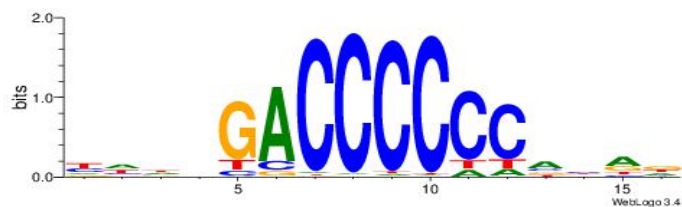
Motif ID: [UP00024](#)
 Motif name: Glis2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.0387654

Alignment:

HKBBGGGGGGTCVHHH
 --GGGKGGGG-----

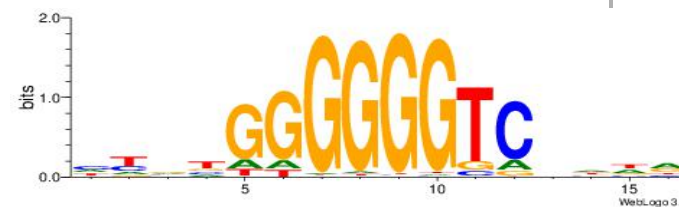
Original motif

Consensus sequence: HHHVGACCCCCVBRD



Reverse complement motif

Consensus sequence: HKBBGGGGGGTCVHHH



Motif ID: [UP00043](#)
 Motif name: Bcl6b_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3

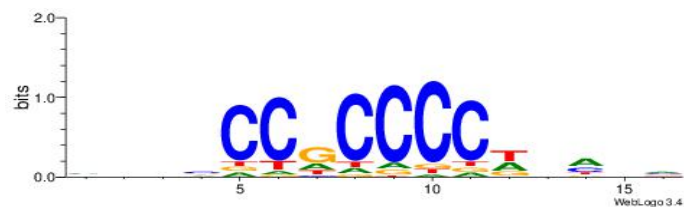
Number of overlap: 8
Similarity score: 0.044983

Alignment:

HBBBCCGCCCCWHHHV
--CCCCRCCC-----

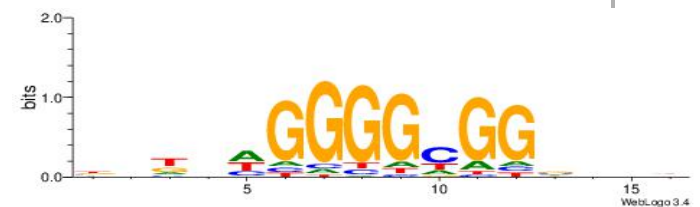
Original motif

Consensus sequence: HBBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



Motif ID: [UP00540](#)
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 7
Number of overlap: 8
Similarity score: 0.0449971

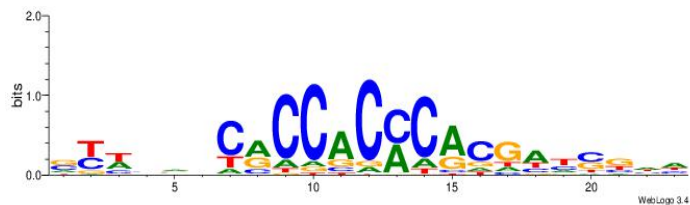
Alignment:

HHBSHTCGTGRGTGGKGDBVWMV
-----GGGKGGGG-----

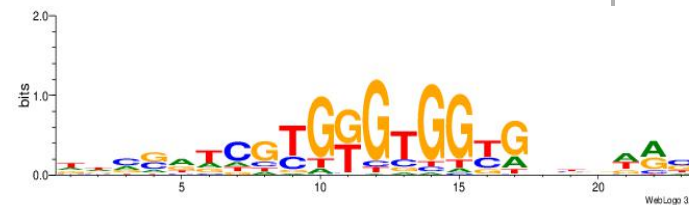
Original motif

Reverse complement motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



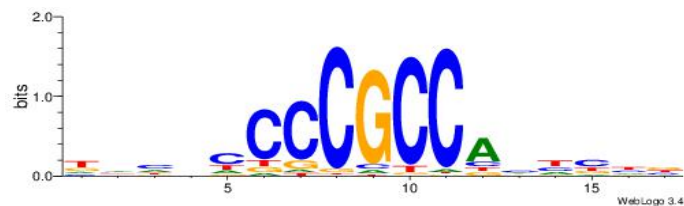
Motif ID: [UP00000](#)
Motif name: Smad3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 8
Similarity score: 0.0452062

Alignment:

```
DHHBCCCCGCCAHHBHB  
-----CCCCRCCC-----
```

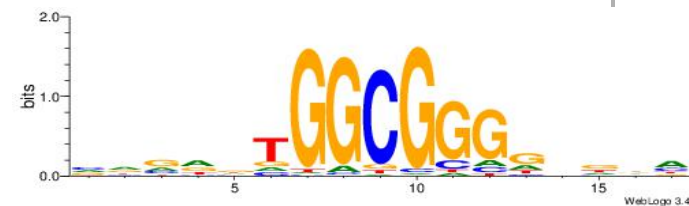
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD



Dataset #: 1 **Motif ID: 7** **Motif name: Motif 7**

Original motif

Consensus sequence: ASASAGAA



Reverse complement motif

Consensus sequence: TTCTSTST



Best Matches for Motif ID 7 (Highest to Lowest)

Motif ID:	UP00032
Motif name:	Gata3_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	6
Number of overlap:	8
Similarity score:	0

Alignment:

BDHDDADAGATAAGADHBDHVD

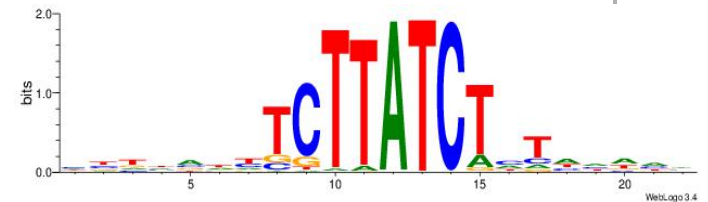
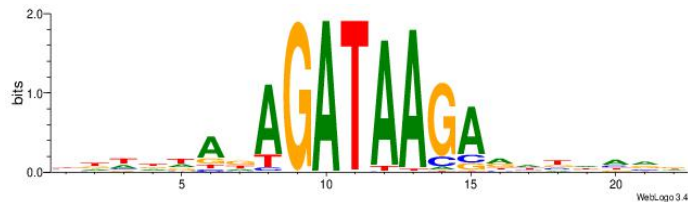
-----ASASAGAA-----

Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD

Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV

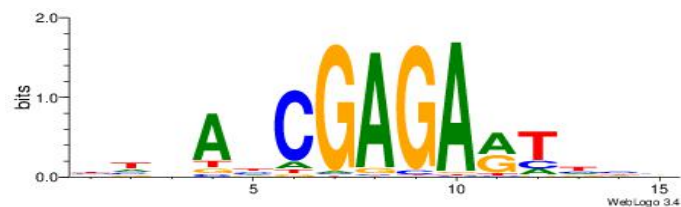


Motif ID: [UP00040](#)
 Motif name: Irf5_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.00562375

Alignment:
 BDAHCGAGARTHBV
 ---ASASAGAA----

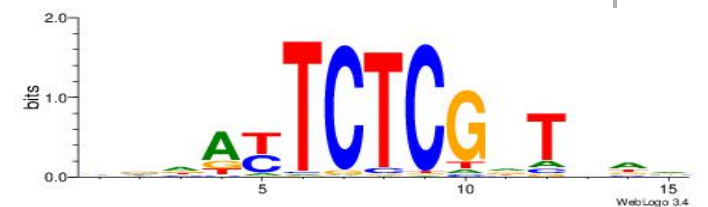
Original motif

Consensus sequence: BDAHCGAGARTHBV



Reverse complement motif

Consensus sequence: VBHAKTCTCGHTHHV



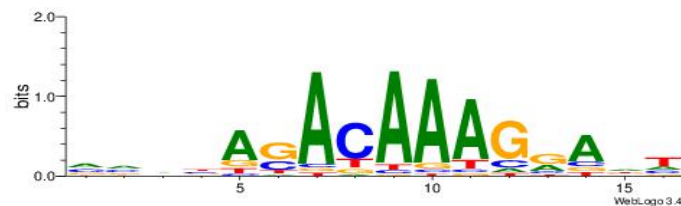
Motif ID: [UP00101](#)

Motif name: Sox12_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 8
 Similarity score: 0.0120605

Alignment:
 VVDBASACAAAGRADH
 --ASASAGAA-----

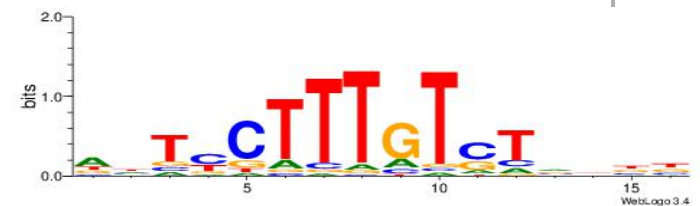
Original motif

Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



Motif ID: [UP00018](#)
 Motif name: Irf4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 8

Similarity score: 0.017471

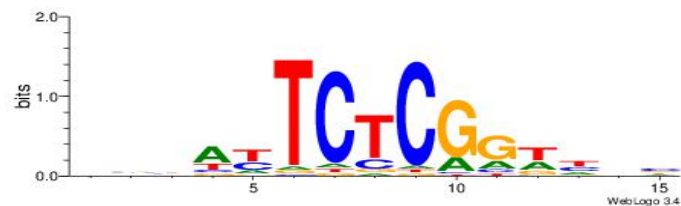
Alignment:

BHHWCCGAGAMTVVB

---ASASAGAA----

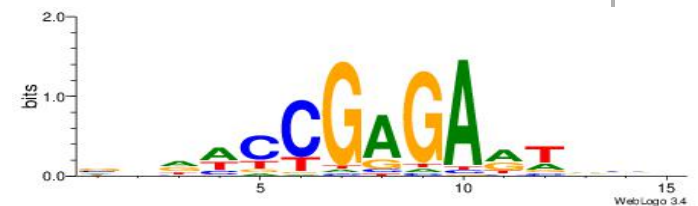
Original motif

Consensus sequence: VVBAYTCTCGGWHDB



Reverse complement motif

Consensus sequence: BHHWCCGAGAMTVVB



Motif ID: [UP00090](#)

Motif name: Elf3_primary

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 5

Number of overlap: 8

Similarity score: 0.018291

Alignment:

TDAMTTCCYYDTD

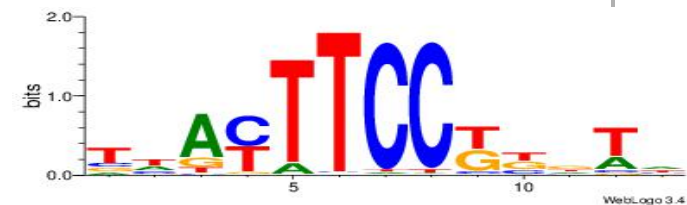
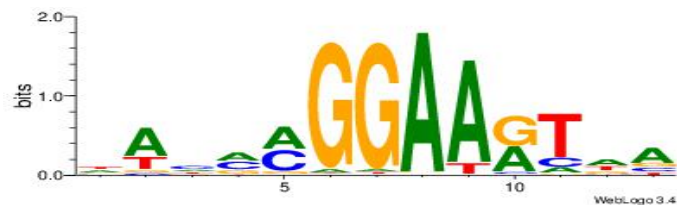
----TTCTSTST-

Original motif

Consensus sequence: DAHMMGGAARTDA

Reverse complement motif

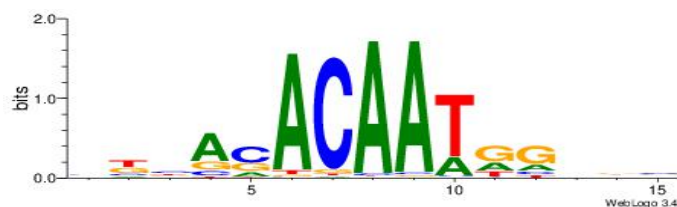
Consensus sequence: TDAMTTCCYYDTD



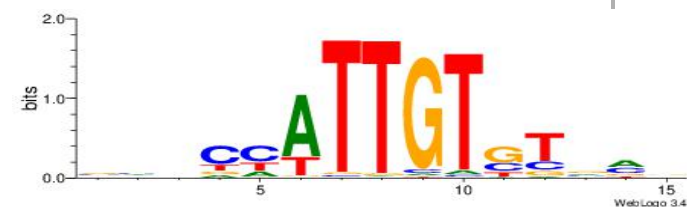
Motif ID: [UP00004](#)
 Motif name: Sox14_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.0185351

Alignment:
 BKBASACAATRGHBB
 -ASASAGAA-----

Original motif
 Consensus sequence: BKBASACAATRGHBB



Reverse complement motif
 Consensus sequence: BBDCMATTGTSTBRB



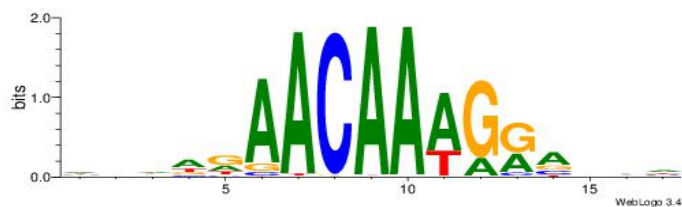
Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0187871

Alignment:

HBDDRAACAAAGRABHH
 -----ASASAGAA---

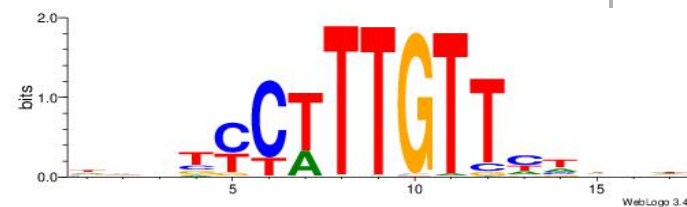
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



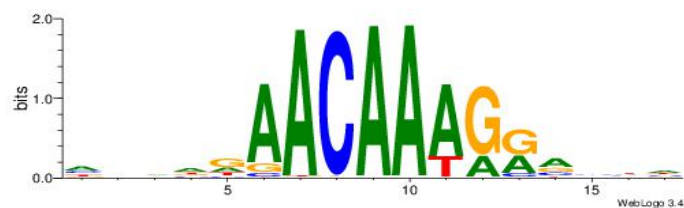
Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7

Number of overlap: 8
Similarity score: 0.0188246

Alignment:
HBDDDAACAAAGRVBHH
-----ASASAGAA---

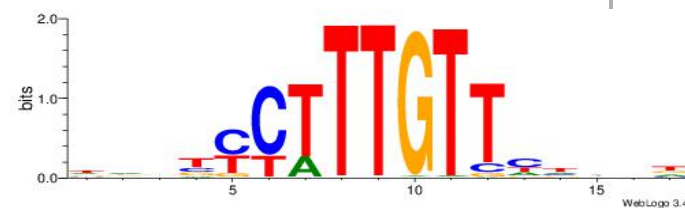
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTTHDDBH



Motif ID: [UP00409](#)
Motif name: Elf5
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 8
Similarity score: 0.0192614

Alignment:
BWAHSMGGAAGTWD
--ASASAGAA----

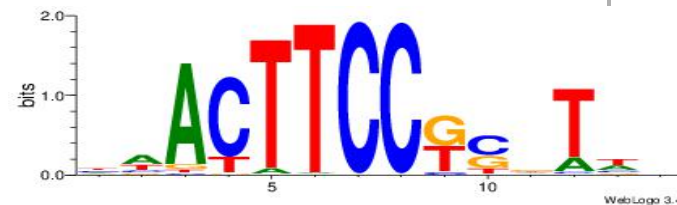
Original motif

Reverse complement motif

Consensus sequence: BWAHSMGGAAGTWD



Consensus sequence: DWACTTCCRSDTWV



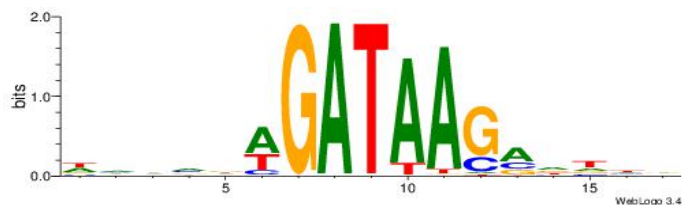
Motif ID: [UP00100](#)
Motif name: Gata6_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 8
Similarity score: 0.0192685

Alignment:

```
VHDDTCTTATCWHBDHD  
-----TTCTSTST---
```

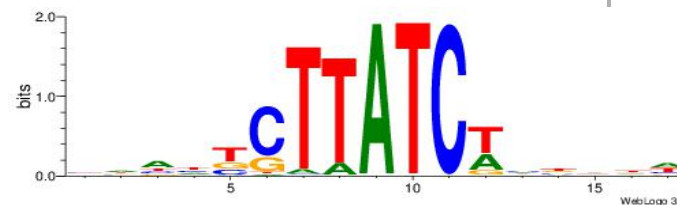
Original motif

Consensus sequence: DHDVDWGATAAGADDHV



Reverse complement motif

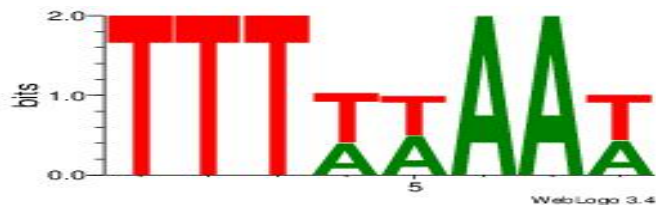
Consensus sequence: VHDDTCTTATCWHBDHD



Dataset #: 1 **Motif ID: 8** **Motif name: Motif 8**

Original motif

Consensus sequence: TTTWWAAW



Reverse complement motif

Consensus sequence: WTTWWAAA



Best Matches for Motif ID 8 (Highest to Lowest)

Motif ID:	UP00061
Motif name:	Foxl1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	8
Number of overlap:	8
Similarity score:	0.0113493

Alignment:

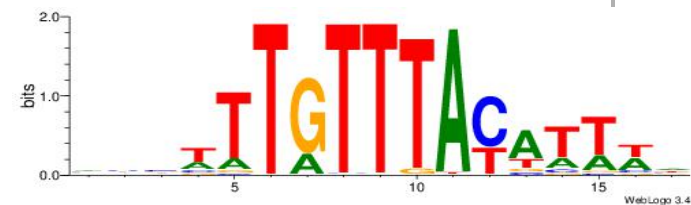
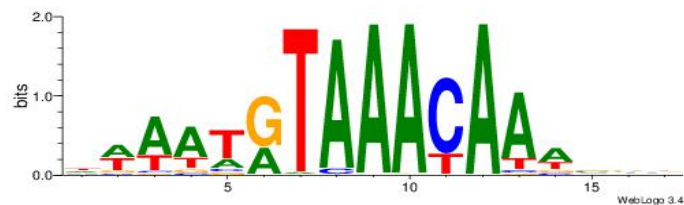
```
VVWTTGTTTAMATTWD  
-----TTTWWAAW--
```

Original motif

Consensus sequence: DWAATRTAAACAAWVVB

Reverse complement motif

Consensus sequence: VVWTTGTTTAMATTWD

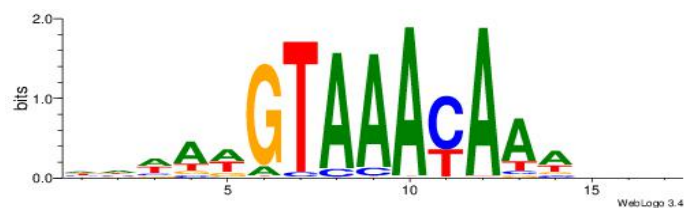


Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0142946

Alignment:
 BDVTTTKTTTACWTWHH
 -----TTTWAAW-----

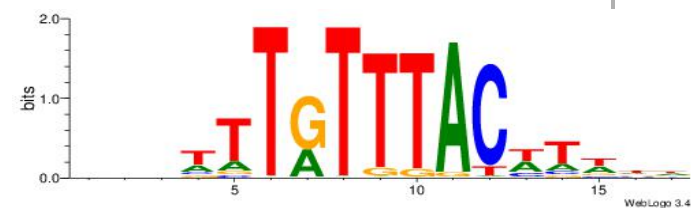
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



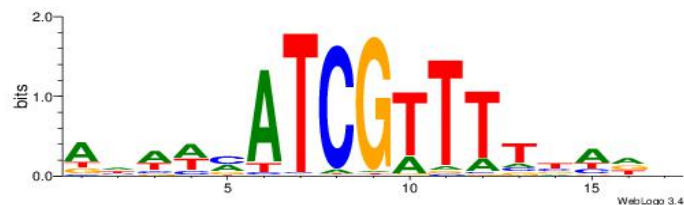
Motif ID: [UP00114](#)

Motif name: Homez
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.0164944

Alignment:
 HDTVAAAACGATRWWHT
 WTTWWAAA-----

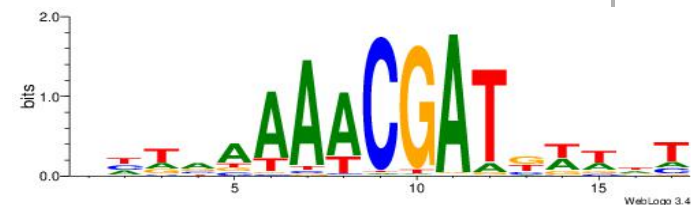
Original motif

Consensus sequence: AHWWMATCGTTTTBADD



Reverse complement motif

Consensus sequence: HDTVAAAACGATRWWHT



Motif ID: [UP00262](#)
 Motif name: Lhx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 8

Similarity score: 0.0167097

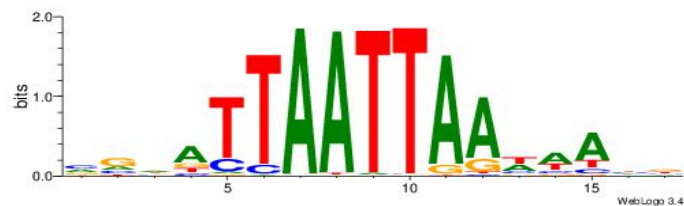
Alignment:

BHTWWTTAATTAATDVV

--TTTWAAW-----

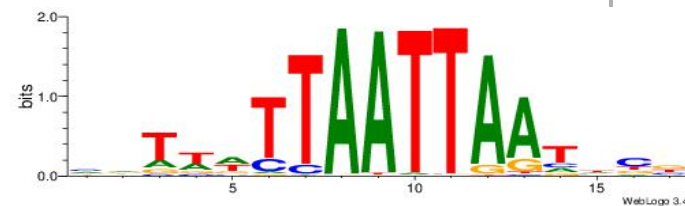
Original motif

Consensus sequence: VVDATTAATTAAWWAHB



Reverse complement motif

Consensus sequence: BHTWWTTAATTAATDVV



Motif ID: [UP00134](#)
Motif name: Hoxb13
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 8
Similarity score: 0.0168038

Alignment:

VRHCCAATAAAWHHV

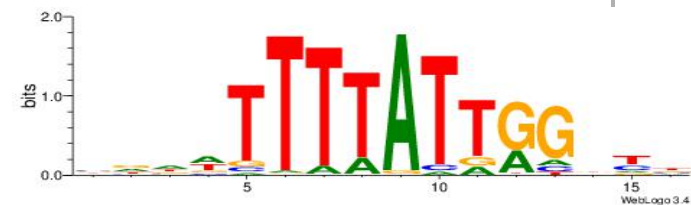
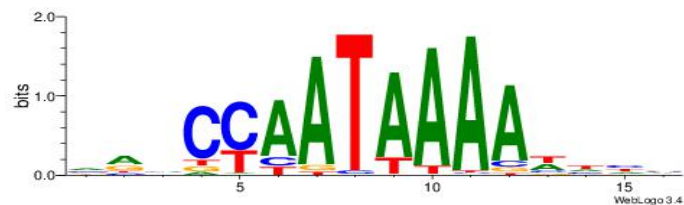
-----WTTWWAAA---

Original motif

Consensus sequence: VRHCCAATAAAWHHV

Reverse complement motif

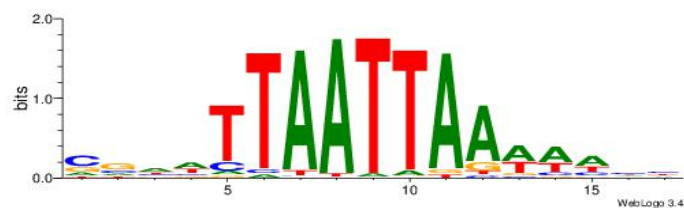
Consensus sequence: VDHWTTTTATTGGDKB



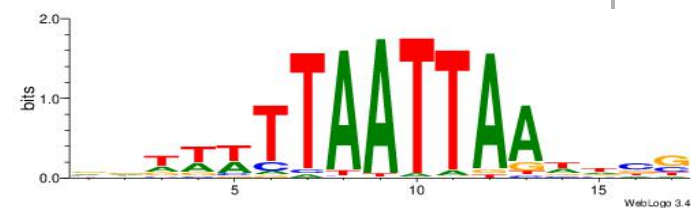
Motif ID: [UP00188](#)
 Motif name: Lmx1a
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.0169282

Alignment:
 BDWWTTAATTAAHHVG
 --TTTWWAAW-----

Original motif
 Consensus sequence: CVHHTTAATTAAWWWHB



Reverse complement motif
 Consensus sequence: BDWWTTAATTAAHHVG



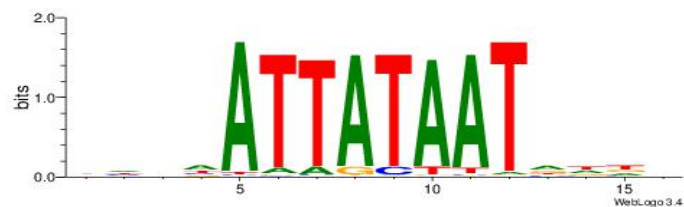
Motif ID: [UP00016](#)
 Motif name: Sry_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0172544

Alignment:

BHDHATTATAATDDDV
 ----TTTWWAAW----

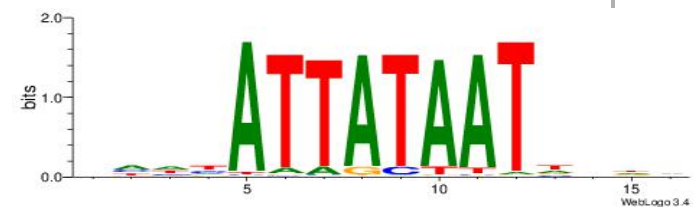
Original motif

Consensus sequence: BHDHATTATAATDDDV



Reverse complement motif

Consensus sequence: VDDDATTAATHDHV



Motif ID: [UP00023](#)
 Motif name: Sox30_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5

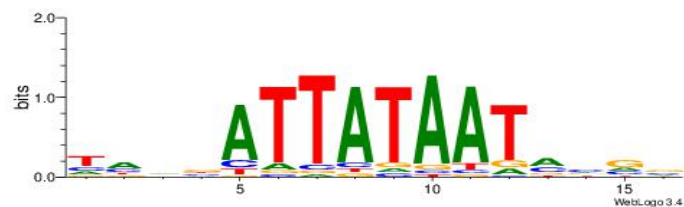
Number of overlap: 8
Similarity score: 0.0178935

Alignment:

THDBATTATAATMVVV
----WTTWWAAA----

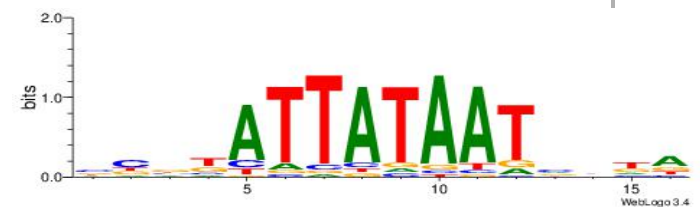
Original motif

Consensus sequence: THDBATTATAATMVVV



Reverse complement motif

Consensus sequence: VVVYATTATAATBDHA



Motif ID: [UP00173](#)
Motif name: Hoxc13
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0.0180658

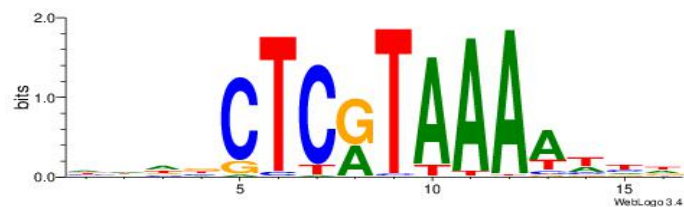
Alignment:

DHWTTTTAMGAGBDHH
---WTTWWAAA-----

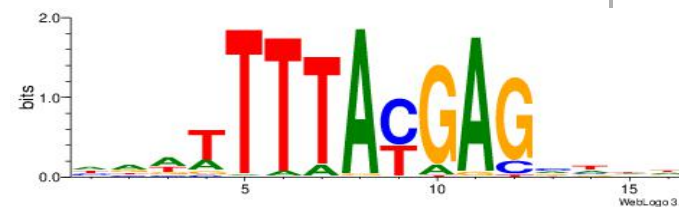
Original motif

Reverse complement motif

Consensus sequence: HHDBCTCRTAAAWHD



Consensus sequence: DHWTTTTAMGAGBDHH



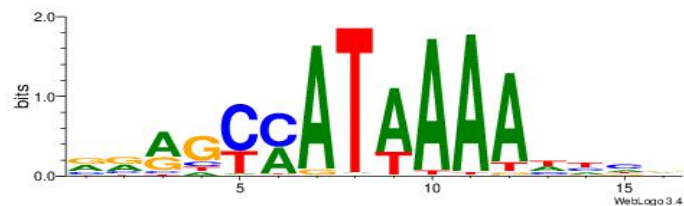
Motif ID: [UP00207](#)
Motif name: Hoxb9
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0.018356

Alignment:

HDHHTTTTATRGCKMV
---WTTWWAAA-----

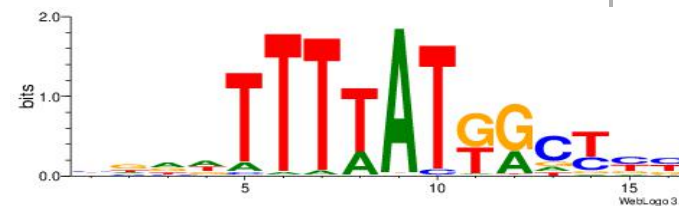
Original motif

Consensus sequence: VRRGCMATAAAHHHD



Reverse complement motif

Consensus sequence: HDHHTTTTATRGCKMV



Dataset #: 1 **Motif ID: 9** **Motif name: Motif 9**

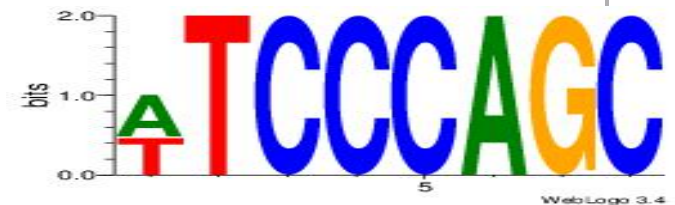
Original motif

Consensus sequence: GCTGGGAW



Reverse complement motif

Consensus sequence: WTCCCAGC



Best Matches for Motif ID 9 (Highest to Lowest)

Motif ID:	UP00033
Motif name:	Zfp410_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	7
Number of overlap:	8
Similarity score:	0

Alignment:

DVDDATGGGATGKMDDV

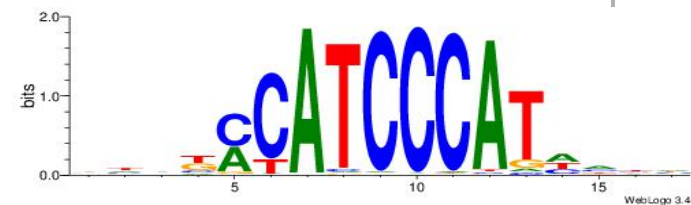
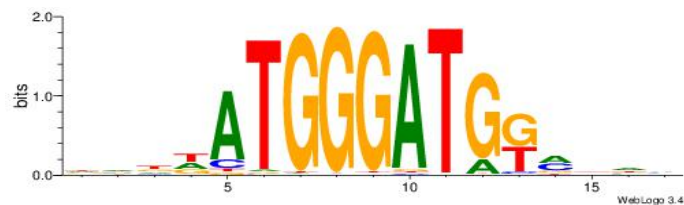
---GCTGGGAW-----

Original motif

Consensus sequence: DVDDATGGGATGKMDDV

Reverse complement motif

Consensus sequence: BDDYYCATCCCATDDBD



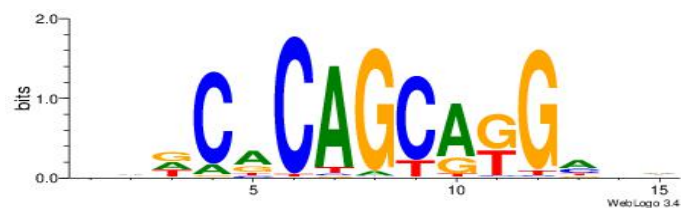
Motif ID: [UP00006](#)
 Motif name: Zic3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.0015592

Alignment:

DVHCYTGCTGTGHDH
 -----GCTGGGAW-

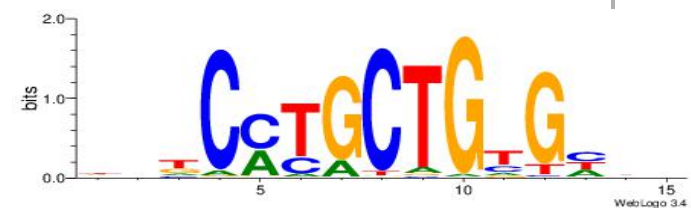
Original motif

Consensus sequence: DDDCACAGCAKGHVD



Reverse complement motif

Consensus sequence: DVHCYTGCTGTGHDH



Motif ID: [UP00102](#)

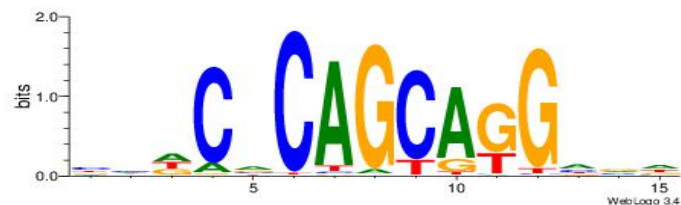
Motif name: Zic1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.00311134

Alignment:

DVHCCTGCTGBGDDDB
 -----GCTGGGAW-

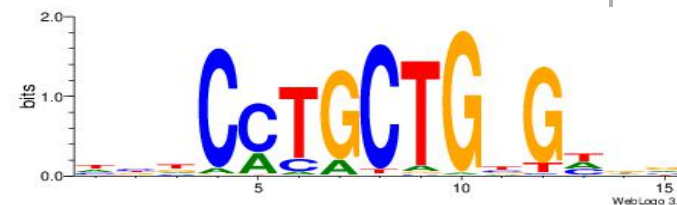
Original motif

Consensus sequence: BHDCVCAGCAGGHVD



Reverse complement motif

Consensus sequence: DVHCCTGCTGBGDDDB

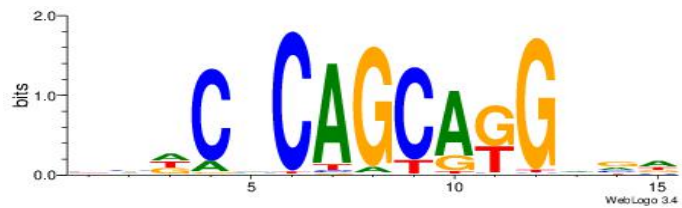


Motif ID: [UP00057](#)
 Motif name: Zic2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 8

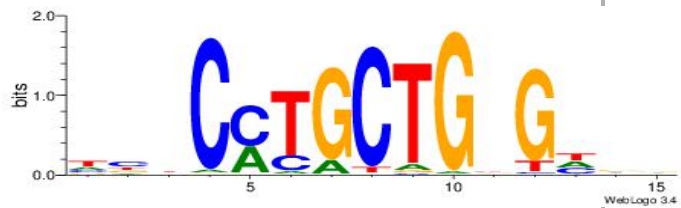
Similarity score: 0.00378731

Alignment:
DVBCYTGCTGBGDDD
-----GCTGGGAW-

Original motif
Consensus sequence: HHDCVCAGCAKGVVD



Reverse complement motif
Consensus sequence: DVBCYTGCTGBGDDD

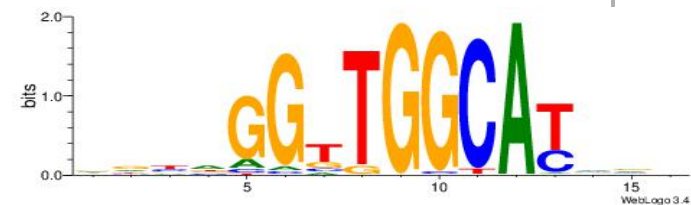
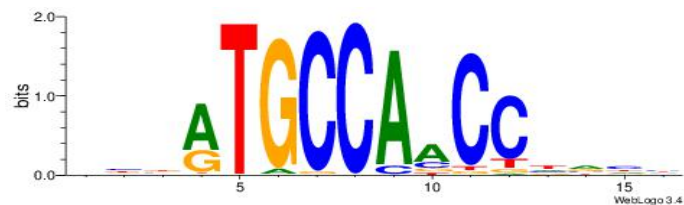


Motif ID: [UP00035](#)
Motif name: Hic1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 8
Similarity score: 0.00499352

Alignment:
DDBHGGTTGGCATVBD
-----GCTGGGAW---

Original motif
Consensus sequence: DBBATGCCAACCHVHH

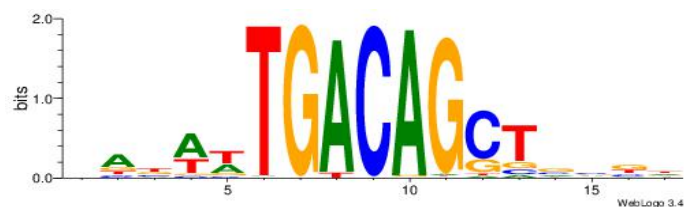
Reverse complement motif
Consensus sequence: DDBHGGTTGGCATVBD



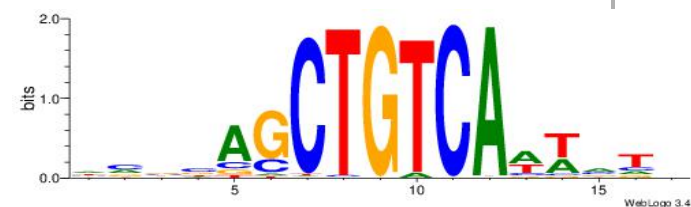
Motif ID: [UP00122](#)
 Motif name: Tgif1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.00832067

Alignment:
 DBVVAGCTGTCAWWVTH
 -----GCTGGGAW-----

Original motif
 Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif
 Consensus sequence: DBVVAGCTGTCAWWVTH



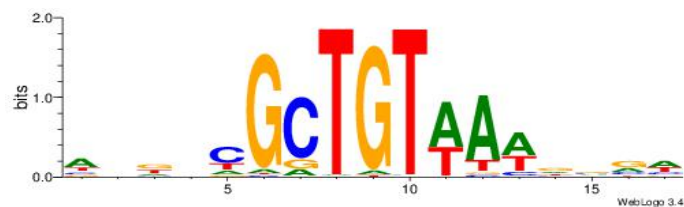
Motif ID: [UP00193](#)
 Motif name: Rhox11_2205.1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0141947

Alignment:

WVVHWTWACAGCGHHVT
 ----WTCCCAGC-----

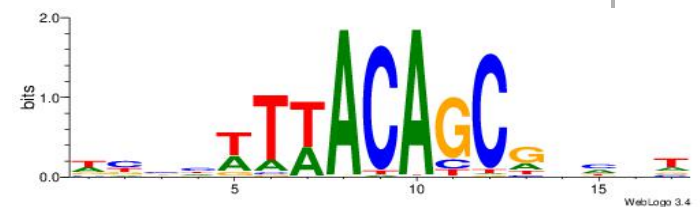
Original motif

Consensus sequence: AVDHCGCTGTAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGHHVT



Motif ID: [UP00193](#)
 Motif name: Rhox11_1765.2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5

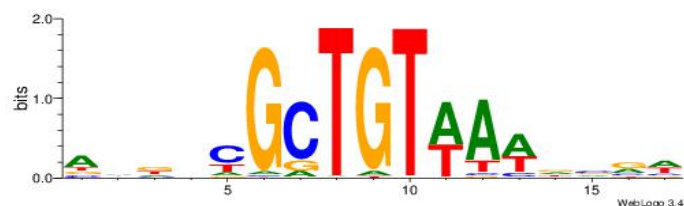
Number of overlap: 8
Similarity score: 0.014648

Alignment:

WVHWTWACAGCGBHBT
----WTCCCAGC-----

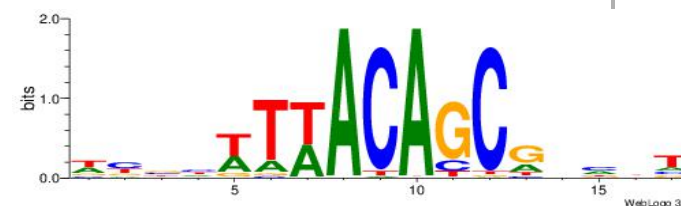
Original motif

Consensus sequence: AVDVCGCTGTWAWDVVW



Reverse complement motif

Consensus sequence: WVHWTWACAGCGBHBT



Motif ID: [UP00068](#)
Motif name: Eomes_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 8
Similarity score: 0.0155942

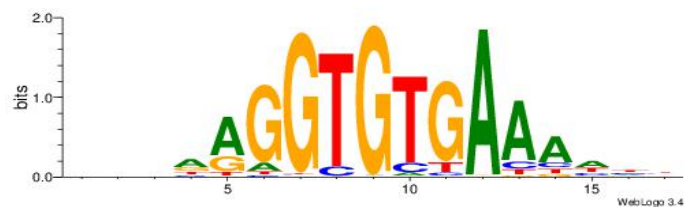
Alignment:

HHHTTTCACACCTDHBV
----WTCCCAGC-----

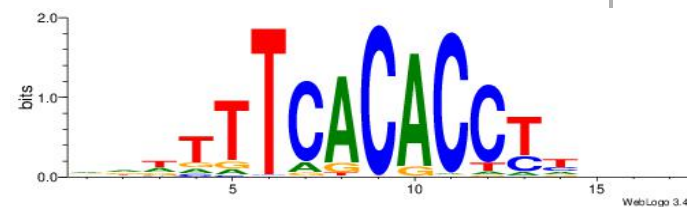
Original motif

Reverse complement motif

Consensus sequence: BVHDAGGTGTGAAHHH



Consensus sequence: HHHTTTCACACCTDHBV



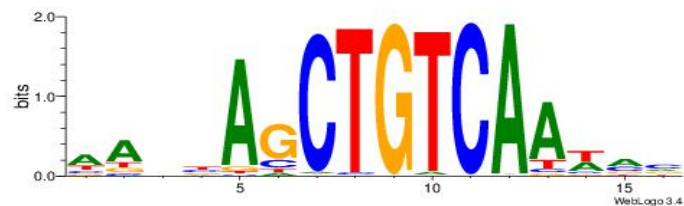
Motif ID: [UP00258](#)
Motif name: Tgif2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0.0159446

Alignment:

VBWTTGACAGCTVBTT
---WTCCCAGC-----

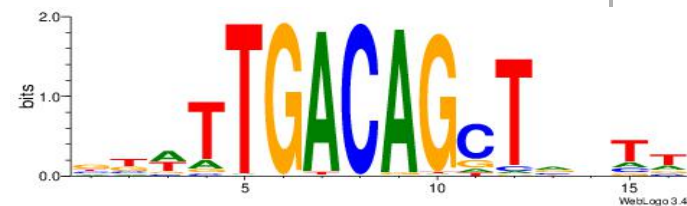
Original motif

Consensus sequence: AABAGCTGTCAAWVV



Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT



Dataset #: 1 **Motif ID: 10** **Motif name: Motif 10**

Original motif

Consensus sequence: TAMATA



Reverse complement motif

Consensus sequence: TATRTA



Best Matches for Motif ID 10 (Highest to Lowest)

Motif ID:	UP00082
Motif name:	Zfp187_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	6
Similarity score:	0

Alignment:

HWATTAGTACATAV

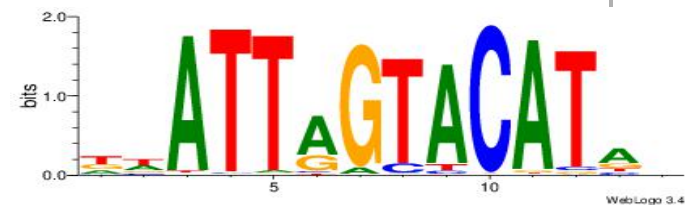
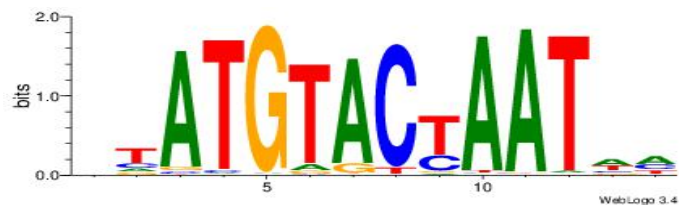
-----TAMATA-

Original motif

Consensus sequence: BTATGTACTAATWH

Reverse complement motif

Consensus sequence: HWATTAGTACATAV

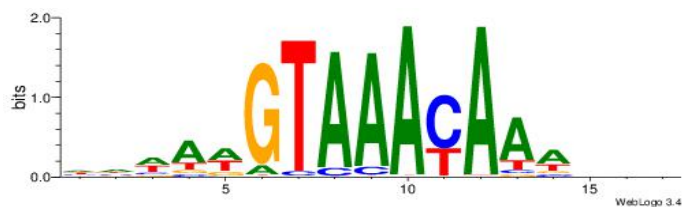


Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.00240236

Alignment:
 HHWAWGTAAAYAAVDB
 -----TAMATA-----

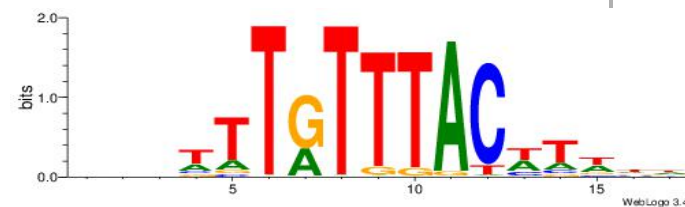
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



Motif ID: [UP00061](#)

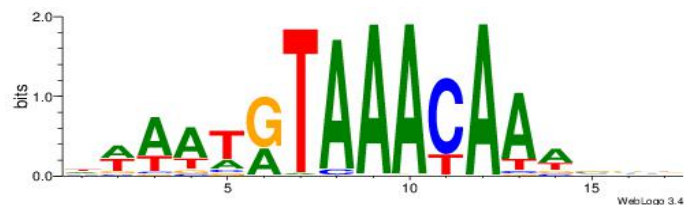
Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0.00807433

Alignment:

DWAATR TAAACA WVV B
 -----TAMATA-----

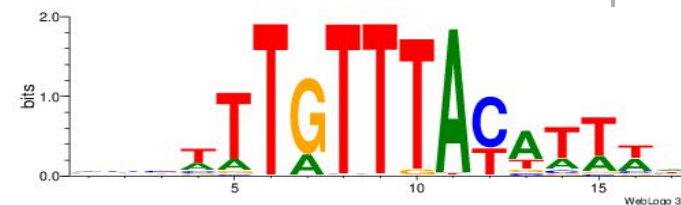
Original motif

Consensus sequence: DWAATR TAAACA WVV B



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



Motif ID: [UP00039](#)
 Motif name: Foxj3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 6

Similarity score: 0.0104466

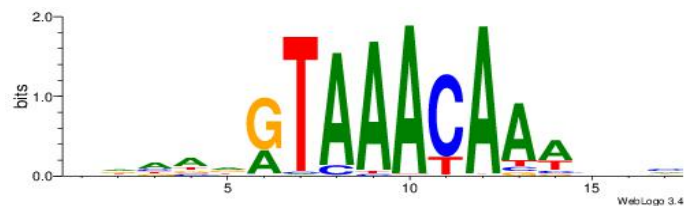
Alignment:

HDHADGTAAACAAVVH

-----TAMATA-----

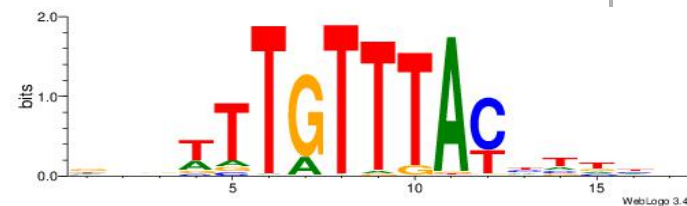
Original motif

Consensus sequence: HDHADGTAAACAAVVH



Reverse complement motif

Consensus sequence: DVVTTTGTTTACDTHDH



Motif ID: [UP00025](#)
Motif name: Foxk1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 6
Similarity score: 0.0133367

Alignment:

DDAATGTAAACAAVVB

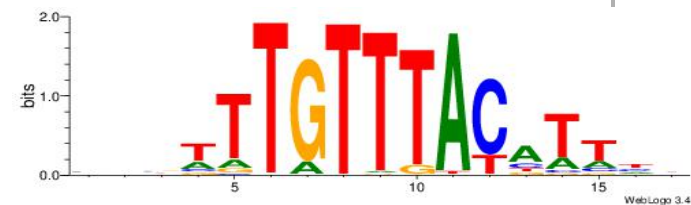
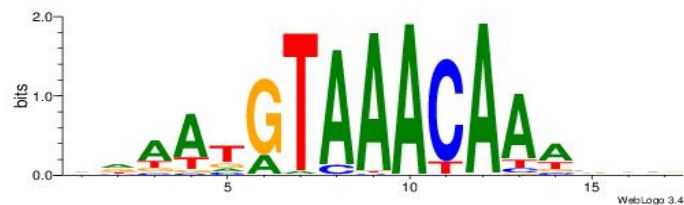
-----TAMATA-----

Original motif

Consensus sequence: DDAATGTAAACAAVVB

Reverse complement motif

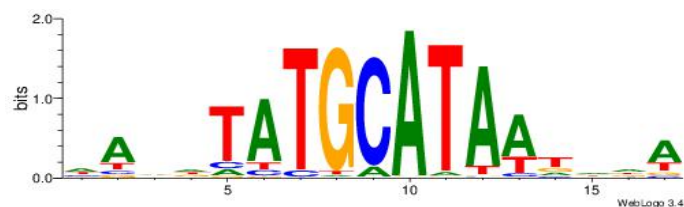
Consensus sequence: BBVTTTGTTTACATTDD



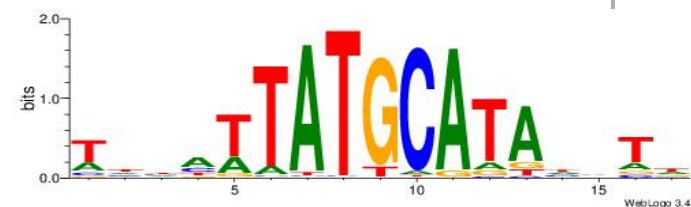
Motif ID: [UP00211](#)
 Motif name: Pou3f3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0.0159085

Alignment:
 TDDATTATGCATADDTH
 -----TATRTA-----

Original motif
 Consensus sequence: HADDTATGCATAATDDA



Reverse complement motif
 Consensus sequence: TDDATTATGCATADDTH



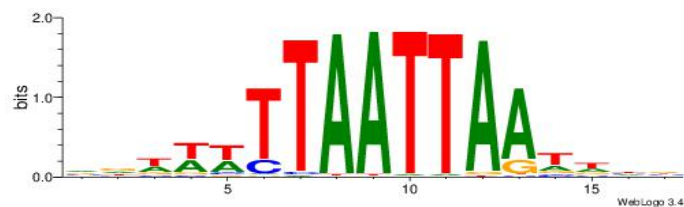
Motif ID: [UP00169](#)
 Motif name: Lmx1b
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0177771

Alignment:

BHDATTAATTAAWWWHB
 -----TAMATA-----

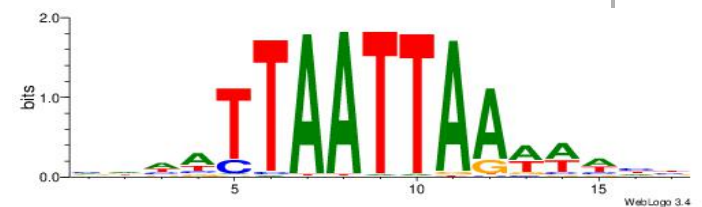
Original motif

Consensus sequence: VDWWWTTAATTAATDHB



Reverse complement motif

Consensus sequence: BHDATTAATTAAWWWHB



Motif ID: [UP00172](#)
 Motif name: Prop1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6

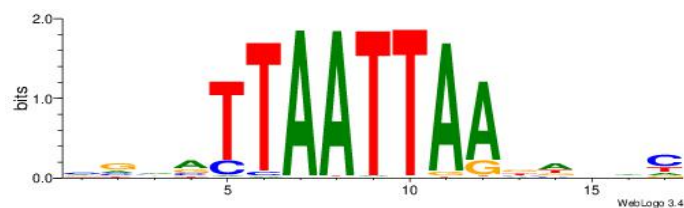
Number of overlap: 6
Similarity score: 0.0178756

Alignment:

GDDDBTTAATTAABBVV
-----TAMATA-----

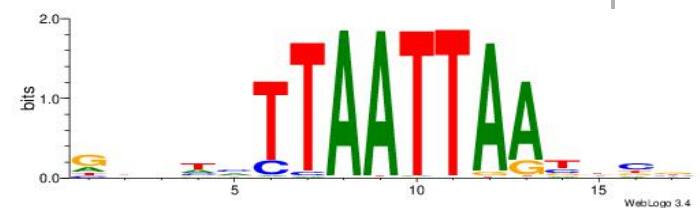
Original motif

Consensus sequence: VVVTTAATTAABDDDC



Reverse complement motif

Consensus sequence: GDDDBTTAATTAABBVV



Motif ID: [UP00237](#)
Motif name: Otp
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 7
Number of overlap: 6
Similarity score: 0.0179741

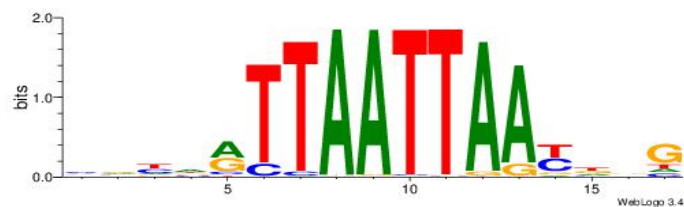
Alignment:

CHDMTTAATTAAKDHVV
-----TAMATA-----

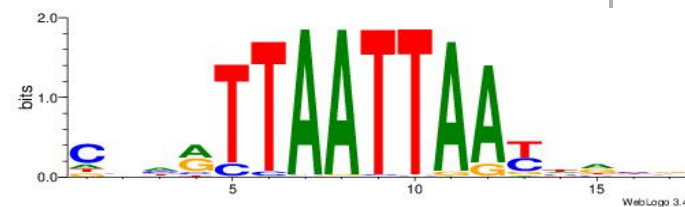
Original motif

Reverse complement motif

Consensus sequence: VVHDRTTAATTAAYDDG



Consensus sequence: CHDMTTAATTAAKDHVV



Motif ID: [UP00232](#)
Motif name: Dobox4
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 8
Number of overlap: 6
Similarity score: 0.0179753

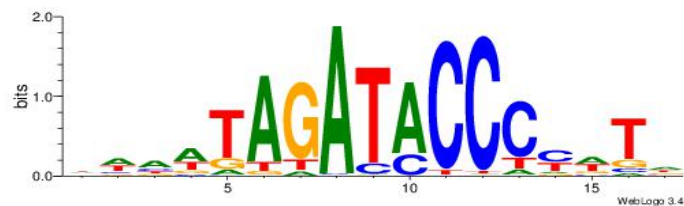
Alignment:

DAWKGGGTATCTAWHWH

-----TATRTA-----

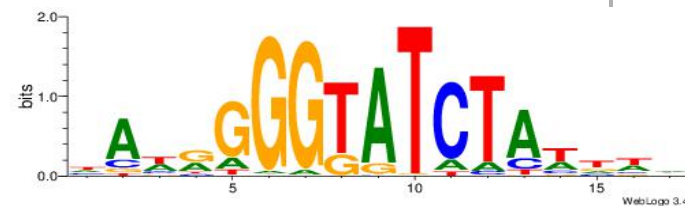
Original motif

Consensus sequence: HWHWTAGATACCCYWTD



Reverse complement motif

Consensus sequence: DAWKGGGTATCTAWHWH



Dataset #: 1 **Motif ID: 11** **Motif name: Motif 11**

Original motif

Consensus sequence: CCGCCGCC



Reverse complement motif

Consensus sequence: GGCGGCGG



Best Matches for Motif ID 11 (Highest to Lowest)

Motif ID:	UP00002
Motif name:	Sp4_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	5
Number of overlap:	8
Similarity score:	0.00319355

Alignment:

BDHHMCGCCCCCTHVBB

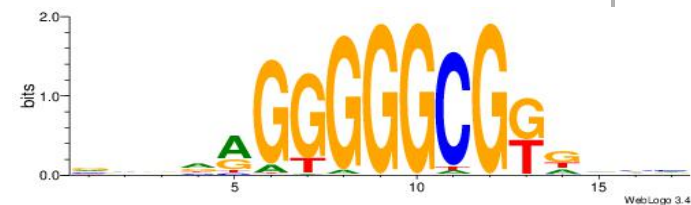
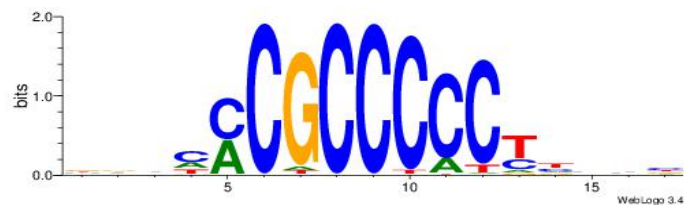
-----CCGCCGCC-----

Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB

Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB

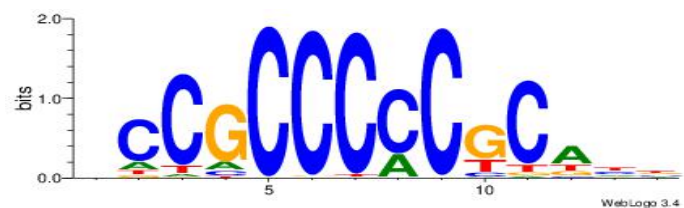


Motif ID: [UP00007](#)
 Motif name: Egr1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.00646974

Alignment:
 HCCGCCCCCGCAHB
 -CCGCCGCC-----

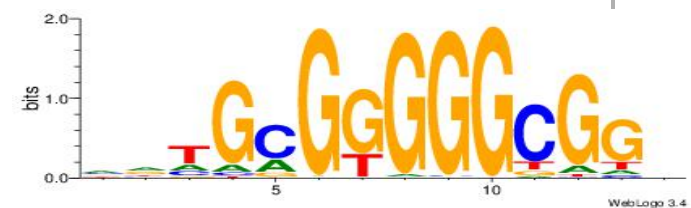
Original motif

Consensus sequence: HCCGCCCCCGCAHB



Reverse complement motif

Consensus sequence: VHTGCGGGGCGGH



Motif ID: [UP00093](#)

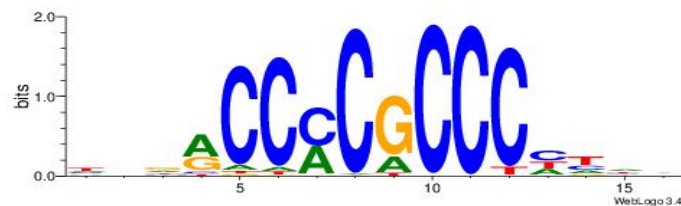
Motif name: Klf7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0238664

Alignment:

DHHDGGGCGRGGKHBH
 -----GGCGGCGG----

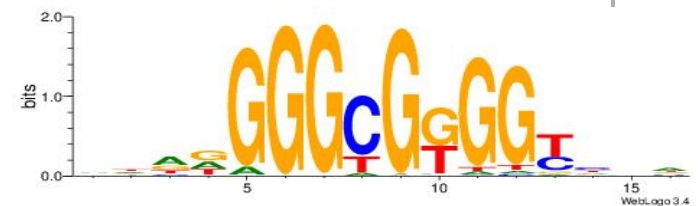
Original motif

Consensus sequence: HBDRCMCGCCCHHHD



Reverse complement motif

Consensus sequence: DHHDGGGCGRGGKHBH

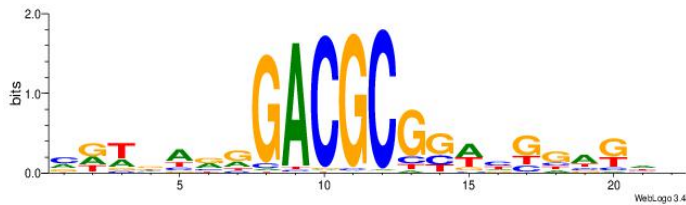


Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 9
 Number of overlap: 8

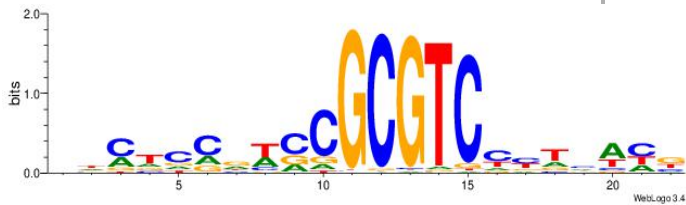
Similarity score: 0.0278448

Alignment:
VDWDARRGACGCGGWHGGAKHV
-----GCGGCGG-----

Original motif
Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV

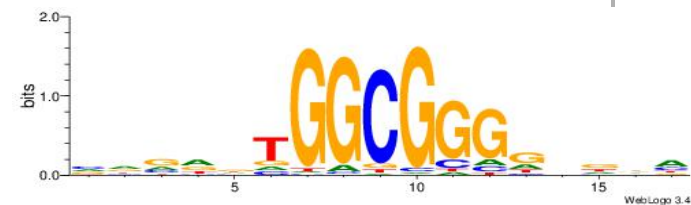
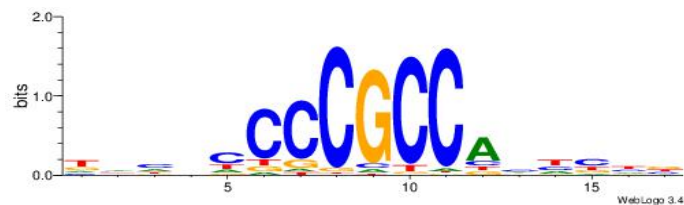


Motif ID: [UP00000](#)
Motif name: Smad3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0.028459

Alignment:
DHHBCCCCGCCAHHBHB
---CCGCCGCC-----

Original motif
Consensus sequence: DHHBCCCCGCCAHHBHB

Reverse complement motif
Consensus sequence: BHBHDTGGCGGGBDHD



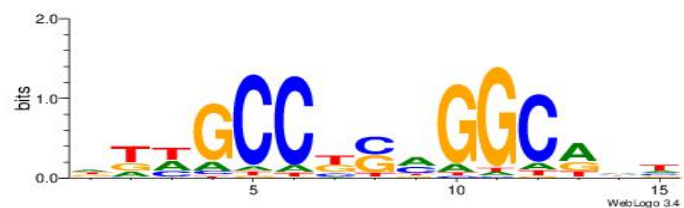
Motif ID: [UP00010](#)
 Motif name: Tcfap2b_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0291826

Alignment:

DTWGCKSMGGCRHH
 ---GGCGGCGG----

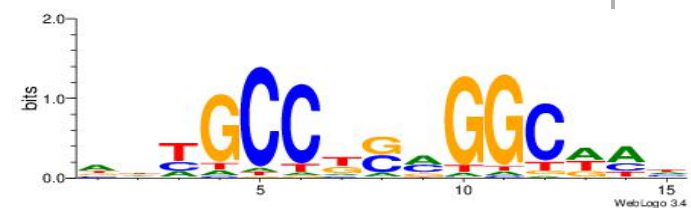
Original motif

Consensus sequence: DTWGCKSMGGCRHH



Reverse complement motif

Consensus sequence: HHKGCCYSRGGCWAD



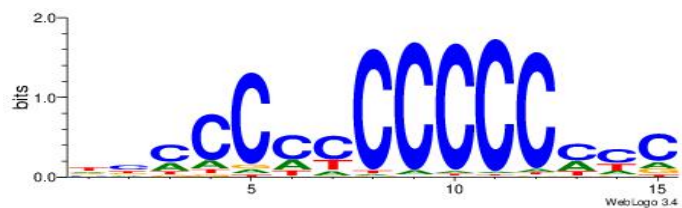
Motif ID: [UP00021](#)
 Motif name: Zfp281_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0293811

Alignment:

GKRGGGGGGGGGGBD
 ---GGCGGCGG----

Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD



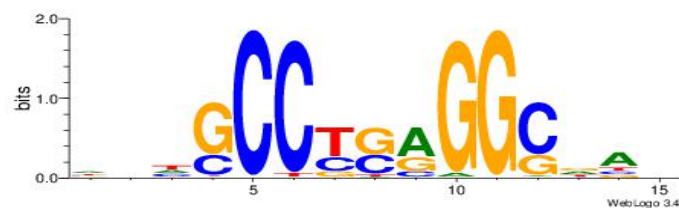
Motif ID: [UP00028](#)
 Motif name: Tcfap2e_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5

Number of overlap: 8
Similarity score: 0.0298524

Alignment:
DTHGCCTSAGGCHHH
---GGCGGCGG----

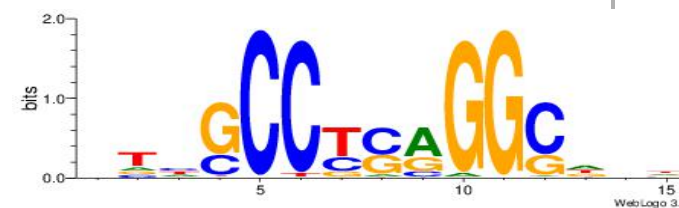
Original motif

Consensus sequence: HHHGCCTSAGGCDAD



Reverse complement motif

Consensus sequence: DTHGCCTSAGGCHHH



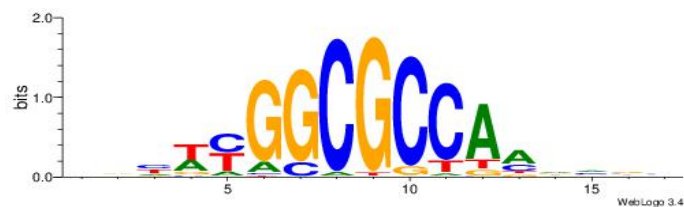
Motif ID: [UP00003](#)
Motif name: E2F3_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 8
Similarity score: 0.0333911

Alignment:
BBBDYTGGCGCKWDBD
-----GGCGGCGG---

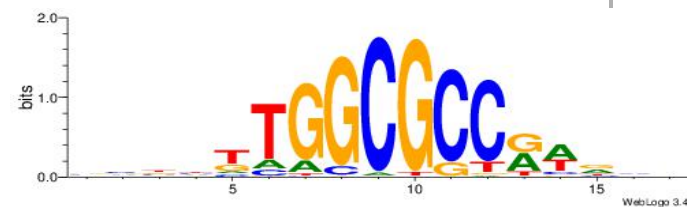
Original motif

Reverse complement motif

Consensus sequence: HBHWYGGCGCCAMDVB



Consensus sequence: BBBDYTGGCGCKWDBD



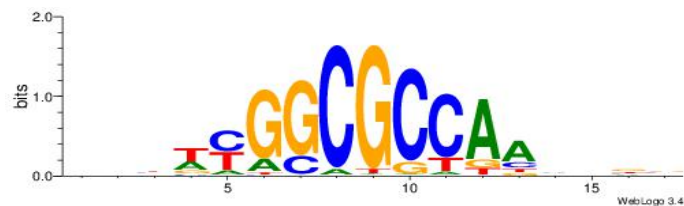
Motif ID: [UP00001](#)
Motif name: E2F2_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 7
Number of overlap: 8
Similarity score: 0.0345259

Alignment:

```
BBBDTTGGCGCKWVVD  
-----GGCGGCGG----
```

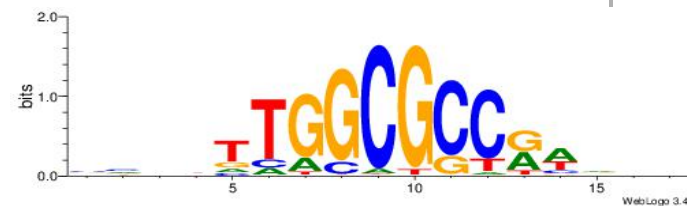
Original motif

Consensus sequence: HVBWYGGCGCCAADVBB



Reverse complement motif

Consensus sequence: BBBDTTGGCGCKWVVD



Dataset #: 1 **Motif ID: 12** **Motif name: Motif 12**

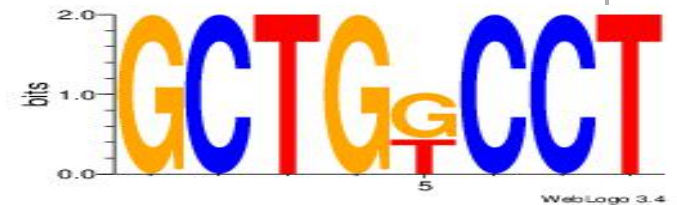
Original motif

Consensus sequence: AGGMCAGC



Reverse complement motif

Consensus sequence: GCTGRCCT



Best Matches for Motif ID 12 (Highest to Lowest)

Motif ID: [UP00045](#)
Motif name: Mafb_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 8
Similarity score: 0

Alignment:

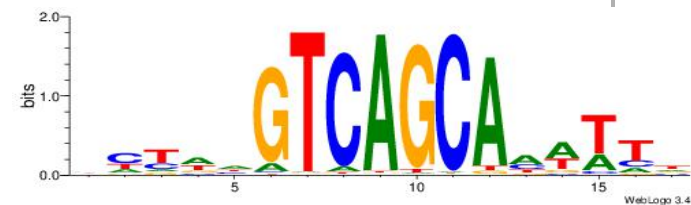
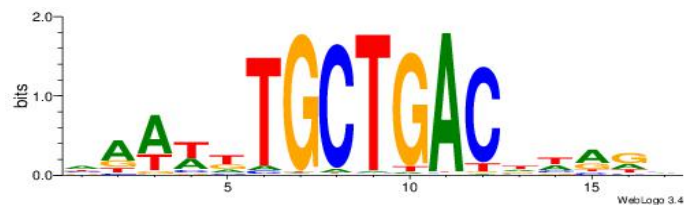
HAAWDTGCTGACDWARH
-----GCTGRCCT----

Original motif

Consensus sequence: HAAWDTGCTGACDWARH

Reverse complement motif

Consensus sequence: DMTWDGTCAGCADWTTH

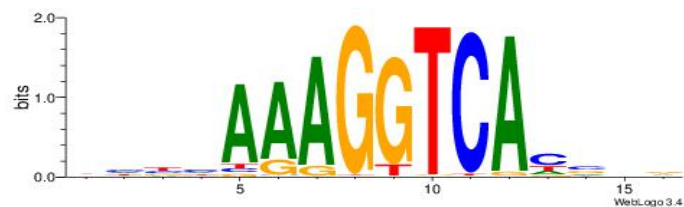


Motif ID: [UP00048](#)
 Motif name: Rara
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.00167433

Alignment:
 HHVGTGACCTTTDVDD
 --GCTGRCCT-----

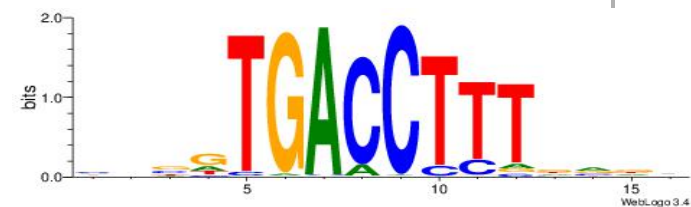
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD



Motif ID: [UP00079](#)

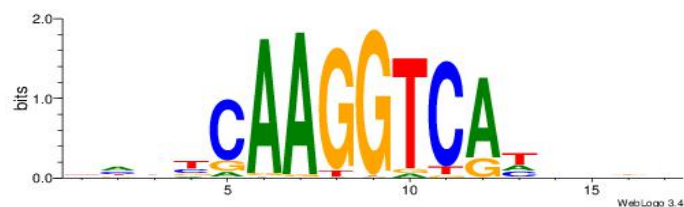
Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.00403191

Alignment:

HHBVHTGACCTTGVDHD
 ---GCTGRCCT-----

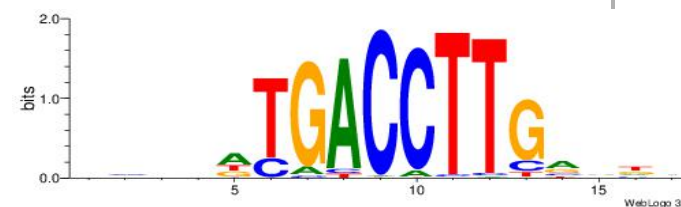
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



Motif ID: [UP00122](#)
 Motif name: Tgif1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 8

Similarity score: 0.00799523

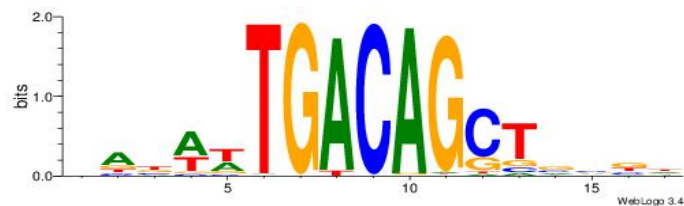
Alignment:

DABWWTGACAGCTVVBD

----AGGMCAGC-----

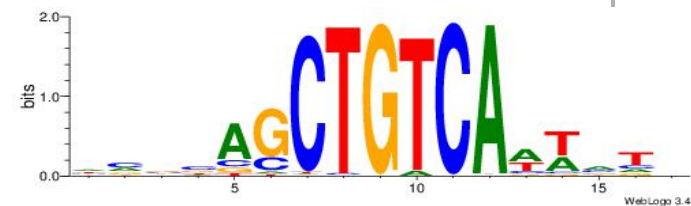
Original motif

Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



Motif ID: [UP00009](#)
Motif name: Nr2f2_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 8
Similarity score: 0.00808575

Alignment:

BHVDTGACCTTTDVDD

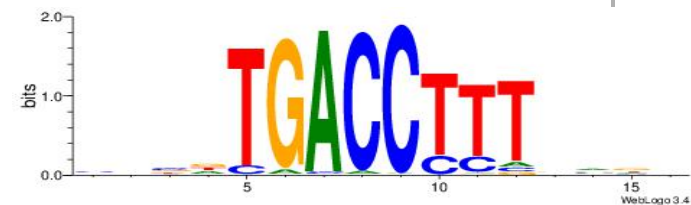
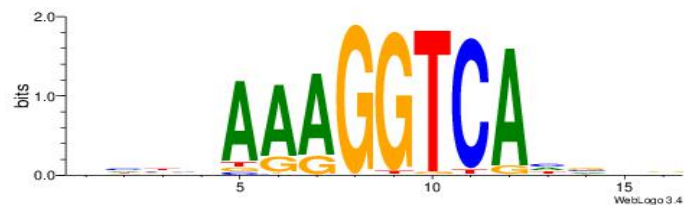
--GCTGRCCT-----

Original motif

Consensus sequence: DHBHAAAGGTCAHVHB

Reverse complement motif

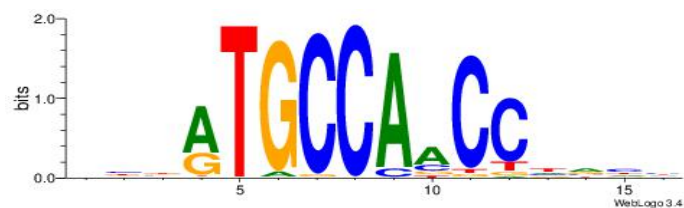
Consensus sequence: BHVDTGACCTTTDVDD



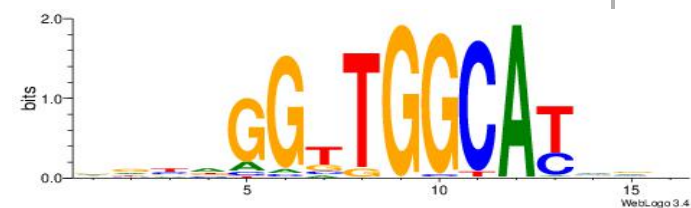
Motif ID: [UP00035](#)
 Motif name: Hic1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0141098

Alignment:
 DDBHGGTTGGCATVBD
 -----GCTGRCCT---

Original motif
 Consensus sequence: DBBATGCCAACCHVHH



Reverse complement motif
 Consensus sequence: DDBHGGTTGGCATVBD



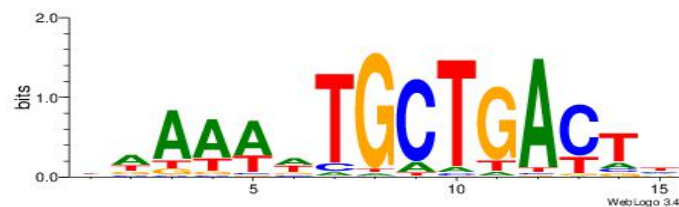
Motif ID: [UP00044](#)
 Motif name: Mafk_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.0149298

Alignment:

DWAAAWTGCTGACTH
 -----GCTGRCCT

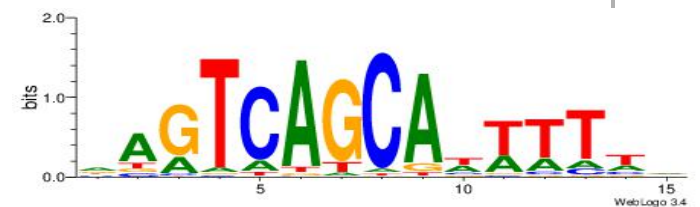
Original motif

Consensus sequence: DWAAAWTGCTGACTH



Reverse complement motif

Consensus sequence: HAGTCAGCAWTTTWD



Motif ID: [UP00258](#)
 Motif name: Tgif2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6

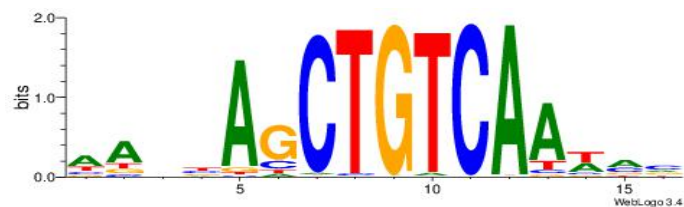
Number of overlap: 8
Similarity score: 0.0156273

Alignment:

VBWTTGACAGCTVBTT
---AGGMCAGC-----

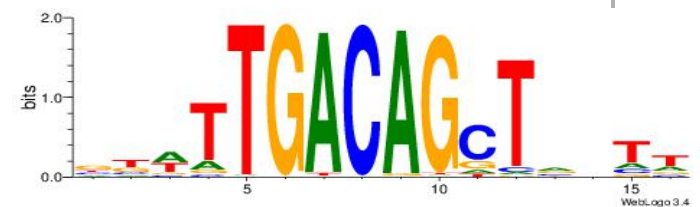
Original motif

Consensus sequence: AABAGCTGTCAAWV



Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT



Motif ID: [UP00186](#)
Motif name: Meis1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 6
Number of overlap: 8
Similarity score: 0.0171725

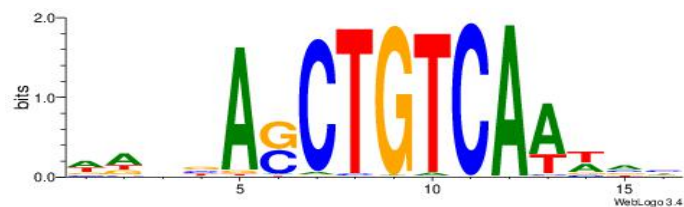
Alignment:

DBWTTGACAGSTBVTW
---AGGMCAGC-----

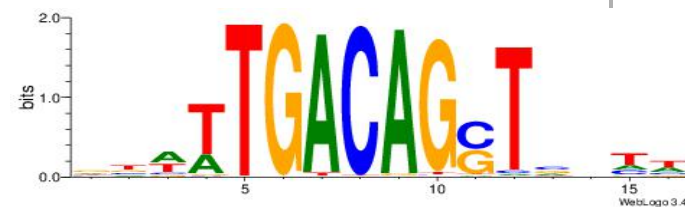
Original motif

Reverse complement motif

Consensus sequence: WAVBASCTGTCAAWVH



Consensus sequence: DBWTTGACAGSTBVTW



Motif ID: [UP00103](#)
Motif name: Jundm2_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 7
Number of overlap: 8
Similarity score: 0.0215057

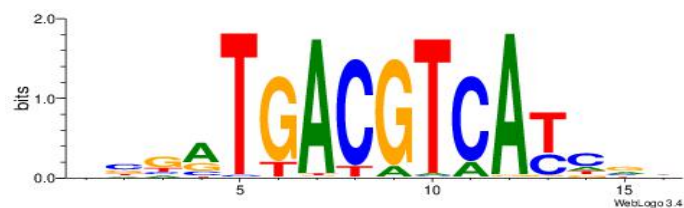
Alignment:

HVGMTGACGTCATCBB

--GCTGRCCT-----

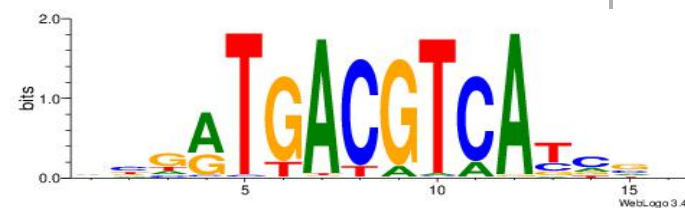
Original motif

Consensus sequence: BBGATGACGTCA YCVH



Reverse complement motif

Consensus sequence: HVGMTGACGTCATCBB



Dataset #: 1 **Motif ID: 13** **Motif name: Motif 13**

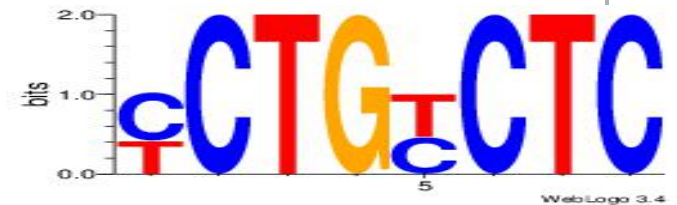
Original motif

Consensus sequence: GAGRCAGR



Reverse complement motif

Consensus sequence: MCTGKCTC



Best Matches for Motif ID 13 (Highest to Lowest)

Motif ID:	UP00205
Motif name:	Pknox2
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	6
Number of overlap:	8
Similarity score:	0

Alignment:

HAVSRCTGTCAATHB

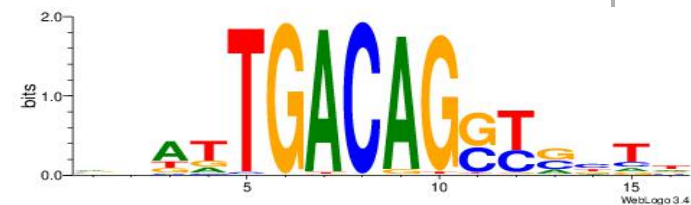
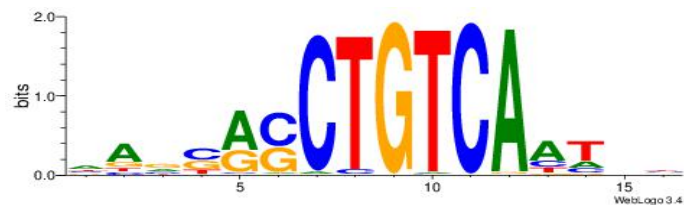
-----MCTGKCTC---

Original motif

Consensus sequence: HAVSRCTGTCAATHB

Reverse complement motif

Consensus sequence: VHATTGACAGSKSVTH

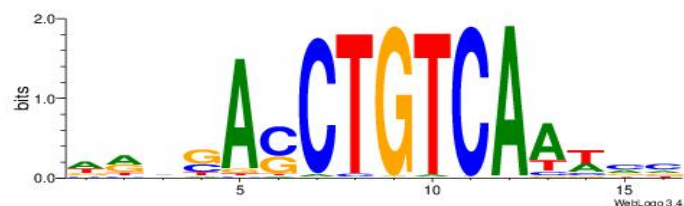


Motif ID: [UP00203](#)
 Motif name: Pknx1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0024357

Alignment:
 DRV SASCTGTCAAWVV
 -----MCTGKCTC---

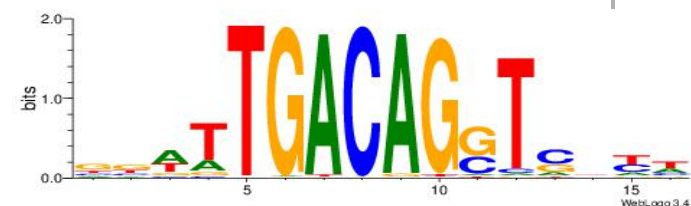
Original motif

Consensus sequence: DRV SASCTGTCAAWVV



Reverse complement motif

Consensus sequence: VVWTTGACAGSTSBKD



Motif ID: [UP00226](#)

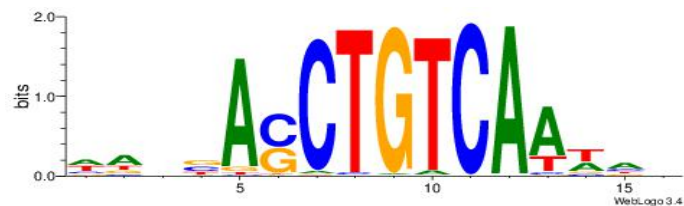
Motif name: Mrg1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.00532831

Alignment:

WAVBASCTGTCAAWHB
 -----MCTGKCTC---

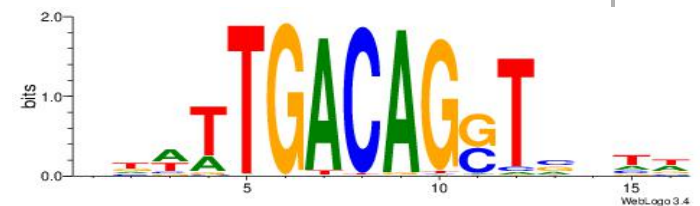
Original motif

Consensus sequence: WAVBASCTGTCAAWHB



Reverse complement motif

Consensus sequence: BHWTTGACAGSTBBTW



Motif ID: [UP00210](#)
 Motif name: Mrg2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8

Similarity score: 0.00847279

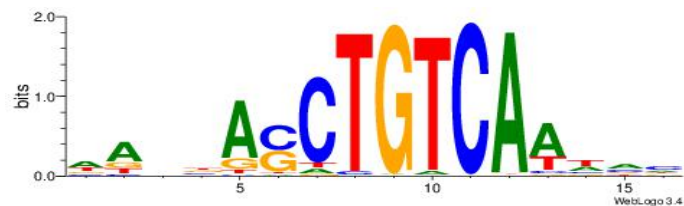
Alignment:

DADBASCTGTCAAHVH

-----MCTGKCTC---

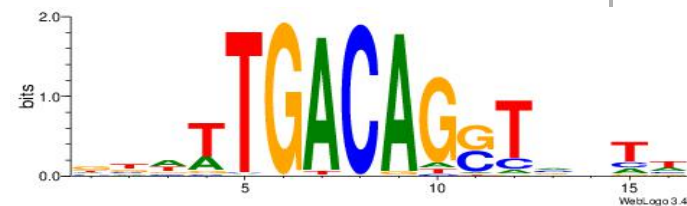
Original motif

Consensus sequence: DADBASCTGTCAAHVH



Reverse complement motif

Consensus sequence: DBHTTGACAGSTVDTD



Motif ID: [UP00186](#)

Motif name: Meis1

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Forward

Position number: 6

Number of overlap: 8

Similarity score: 0.00869293

Alignment:

WAVBASCTGTCAAWVH

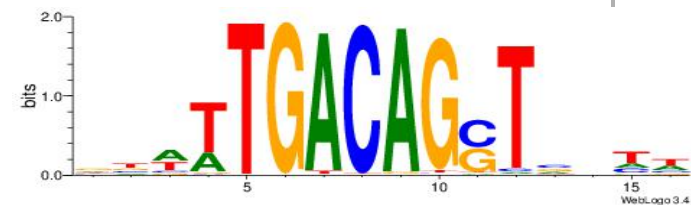
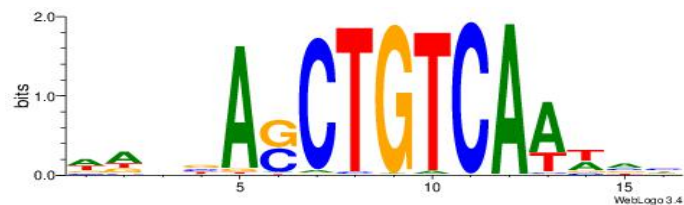
-----MCTGKCTC---

Original motif

Consensus sequence: WAVBASCTGTCAAWVH

Reverse complement motif

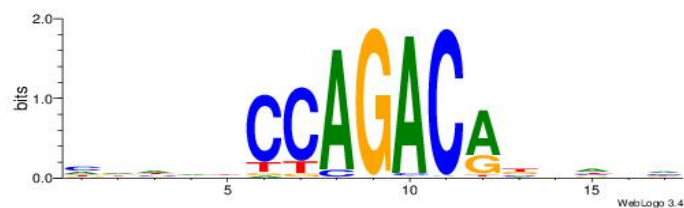
Consensus sequence: DBWTTGACAGSTBVTW



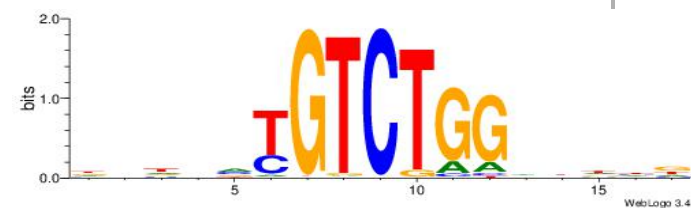
Motif ID: [UP000000](#)
 Motif name: Smad3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 8
 Similarity score: 0.00919674

Alignment:
 HDHDDCCAGACABBHVH
 -----GAGRCAGR----

Original motif
 Consensus sequence: HDHDDCCAGACABBHVH



Reverse complement motif
 Consensus sequence: HVHBVTGTCTGGDDHDD



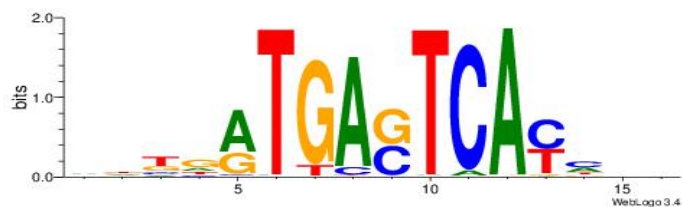
Motif ID: [UP00103](#)
 Motif name: Jundm2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.00968214

Alignment:

HDDKTGASTCAKHRDB
 -----GAGRCAGR---

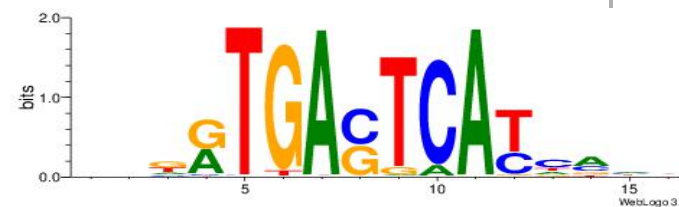
Original motif

Consensus sequence: VDKDRTGASTCAYHDH



Reverse complement motif

Consensus sequence: HDDKTGASTCAKHRDB



Motif ID: [UP00095](#)
 Motif name: Zfp691_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3

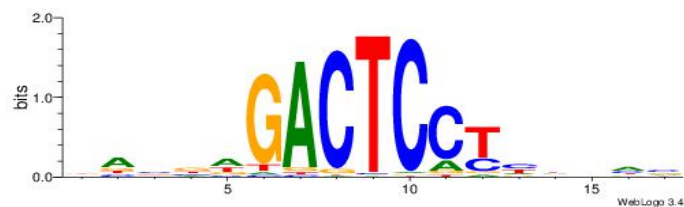
Number of overlap: 8
Similarity score: 0.0110909

Alignment:

DABBWGACTCCTHDVHV
--MCTGKCTC-----

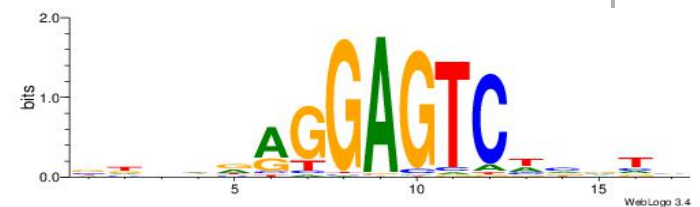
Original motif

Consensus sequence: DABBWGACTCCTHDVHV



Reverse complement motif

Consensus sequence: VHBDDAGGAGTCWBBTD



Motif ID: [UP00122](#)
Motif name: Tgif1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 8
Similarity score: 0.0125857

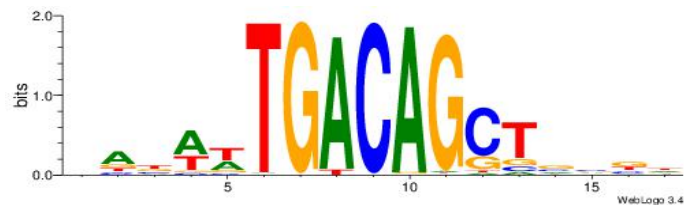
Alignment:

DABWWTGACAGCTVVBD
----GAGRCAGR-----

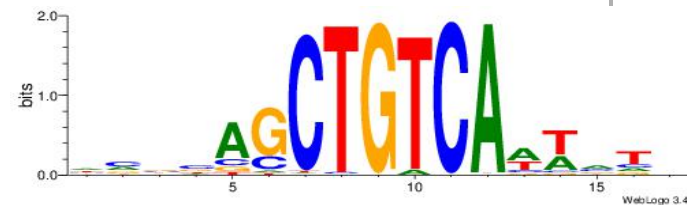
Original motif

Reverse complement motif

Consensus sequence: DABWWTGACAGCTVVBD



Consensus sequence: DBVVAGCTGTCAWWVTH



Motif ID: [UP00258](#)
Motif name: Tgif2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 8
Similarity score: 0.0145433

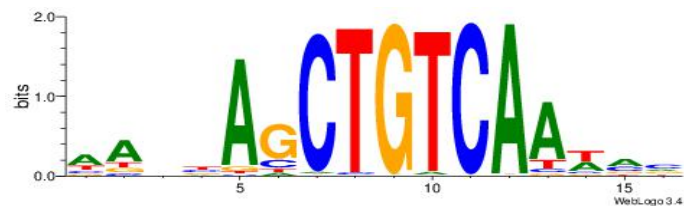
Alignment:

AABBAGCTGTCAAWVV

-----MCTGKCTC---

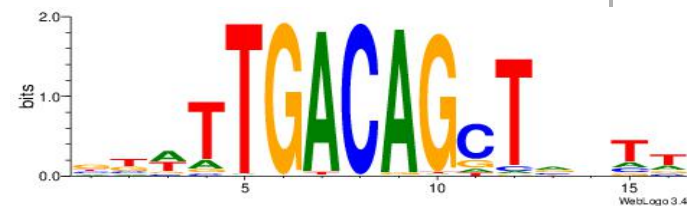
Original motif

Consensus sequence: AABBAGCTGTCAAWVV



Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT



Dataset #: 1 **Motif ID: 14** **Motif name: Motif 14**

Original motif

Consensus sequence: GCRCACRC



Reverse complement motif

Consensus sequence: GKGTGKGC



Best Matches for Motif ID 14 (Highest to Lowest)

Motif ID: [UP00042](#)
Motif name: Gm397_second
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 8
Similarity score: 0

Alignment:

DVMVGCACACACKCVH

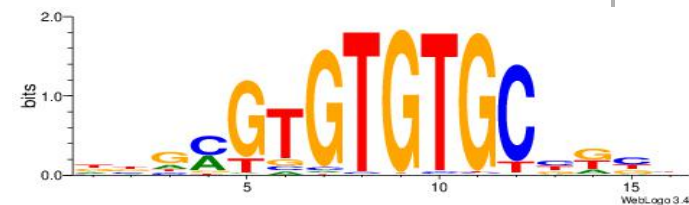
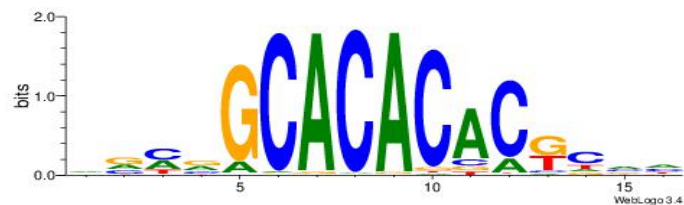
-----GCRCACRC-----

Original motif

Consensus sequence: DVMVGCACACACKCVH

Reverse complement motif

Consensus sequence: HBGYGTGTGTGCVRVD

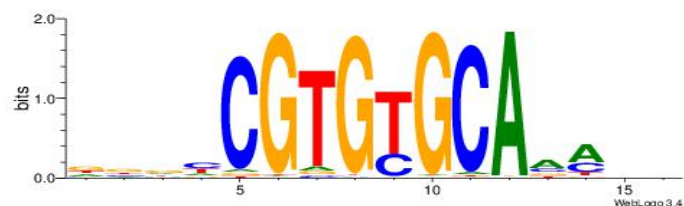


Motif ID: [UP00097](#)
 Motif name: Mtf1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0261244

Alignment:
 HDYTTGCACACGDHBH
 -----GCRACRC---

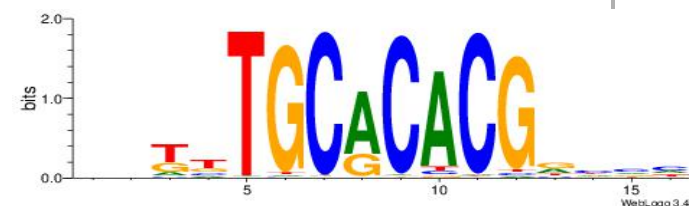
Original motif

Consensus sequence: DBDHCGTGTGCAAMDH



Reverse complement motif

Consensus sequence: HDYTTGCACACGDHBH



Motif ID: [UP00538](#)

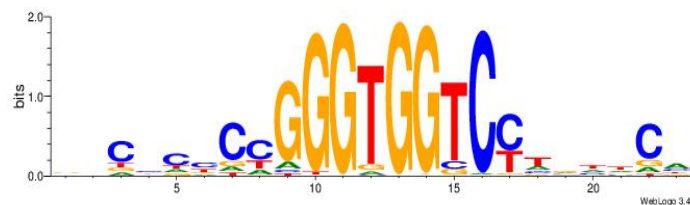
Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 9
 Number of overlap: 8
 Similarity score: 0.0329776

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
 -----GKGTGKGC-----

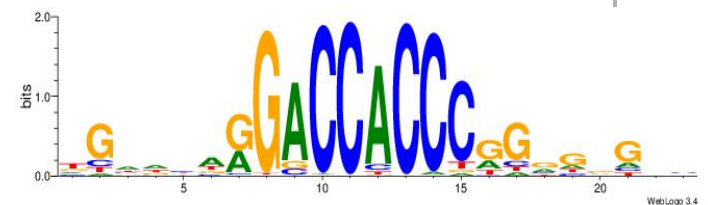
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 9
 Number of overlap: 8

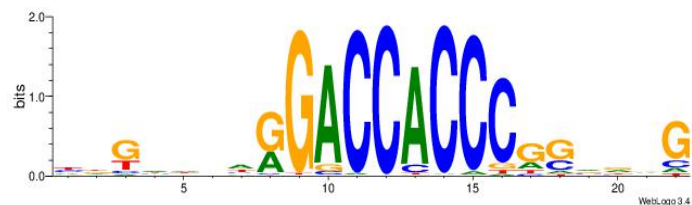
Similarity score: 0.0341116

Alignment:

CVHBSCGGGTGGTCMHVHHCDH
-----GKGTGKGC-----

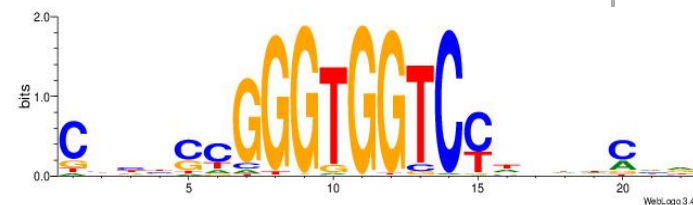
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



Motif ID: [UP00026](#)
Motif name: Zscan4_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 8
Similarity score: 0.0351584

Alignment:

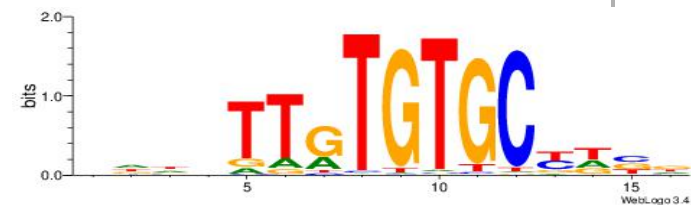
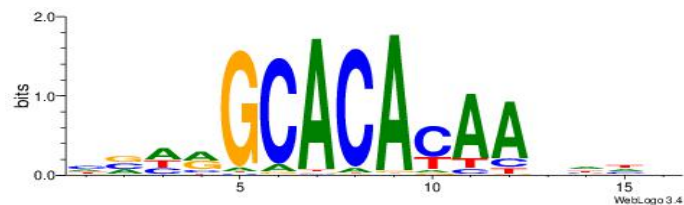
HVHRGCACACAAHHHV
----GCRACACRC----

Original motif

Consensus sequence: HVHRGCACACAAHHHV

Reverse complement motif

Consensus sequence: BHHHTTGTGTGCKHVD



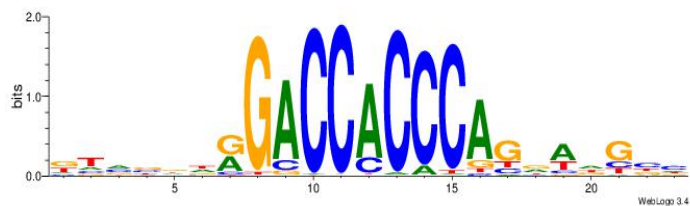
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 8
 Similarity score: 0.0353979

Alignment:

DBCDWHCTGGGTGGTCMDHBBAH
 -----GKGTGKGC-----

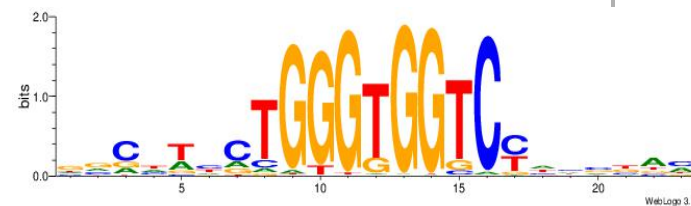
Original motif

Consensus sequence: DTVBDDRGACCACCCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



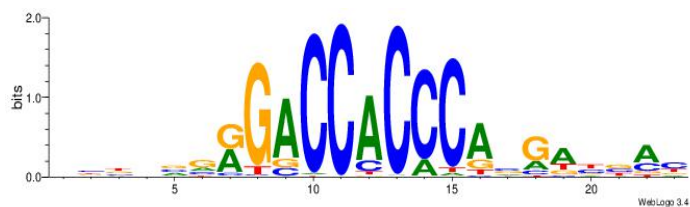
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.0359411

Alignment:

BTBVTCTVGGGTGGTCMVVDVBB
 -----GKGTGKGC-----

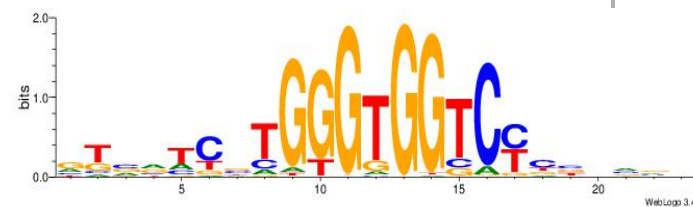
Original motif

Consensus sequence: BBBDVVRGACCACCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB

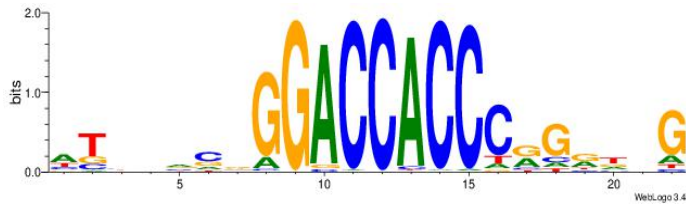


Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7

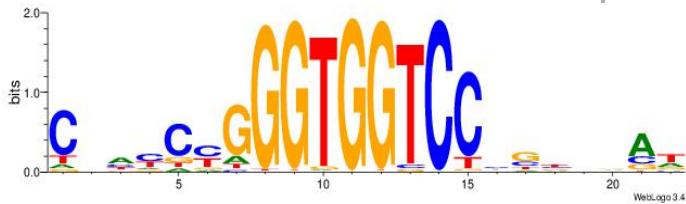
Number of overlap: 8
Similarity score: 0.0360788

Alignment:
CBDMCMGGGTGGTCCHVBVBAH
-----GKGTGKGC-----

Original motif
Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif
Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



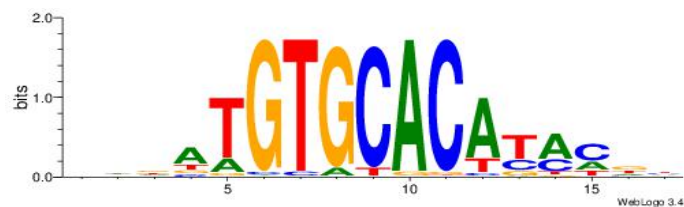
Motif ID: [UP00042](#)
Motif name: Gm397_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 8
Similarity score: 0.0376684

Alignment:
HHDATGTGCACATAMDH
-----GCRACRC--

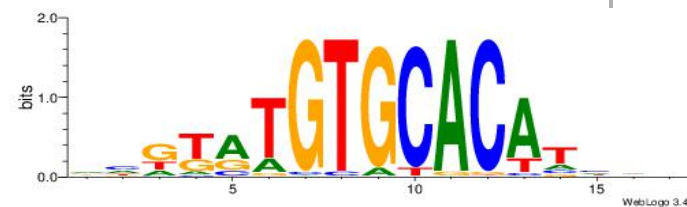
Original motif

Reverse complement motif

Consensus sequence: HHDATGTGCACATAMDH



Consensus sequence: HHRTATGTGCACATHHD



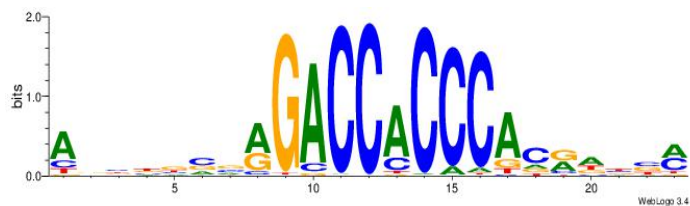
Motif ID: [UP00540](#)
Motif name: Gli3_v015681_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 9
Number of overlap: 8
Similarity score: 0.0381663

Alignment:

```
YBVDMGTGGGTGGTCKVVBVBBT  
-----GKGTGKGC-----
```

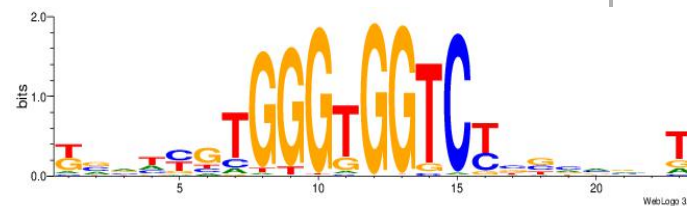
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMGTGGGTGGTCKVVBVBBT



Dataset #: 1 **Motif ID: 15** **Motif name: Motif 15**

Original motif

Consensus sequence: GRAAATG



Reverse complement motif

Consensus sequence: CATTTKC



Best Matches for Motif ID 15 (Highest to Lowest)

Motif ID:	UP00179
Motif name:	Pou2f3
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	7
Number of overlap:	7
Similarity score:	0

Alignment:

BHHVATTTGCATAHHV

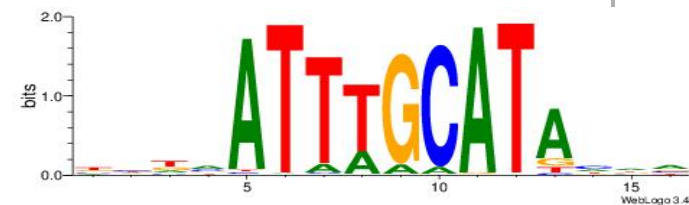
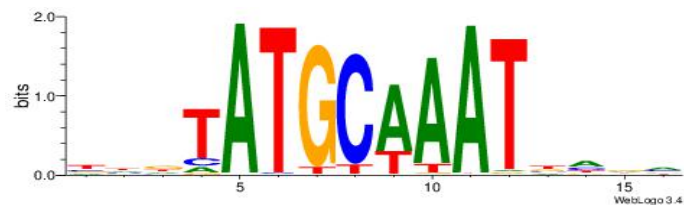
---CATTTKC-----

Original motif

Consensus sequence: BHDTATGCAAATBHDV

Reverse complement motif

Consensus sequence: BHHVATTTGCATAHHV

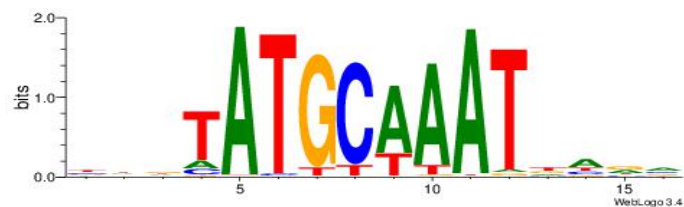


Motif ID: [UP00191](#)
 Motif name: Pou2f2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 7
 Similarity score: 0.0024655

Alignment:
 BHHDATTTGCATAHHV
 ---CATTTKC-----

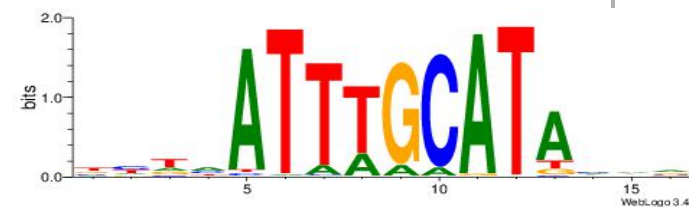
Original motif

Consensus sequence: BHDTATGCAAATDHDV



Reverse complement motif

Consensus sequence: BHHDATTTGCATAHHV



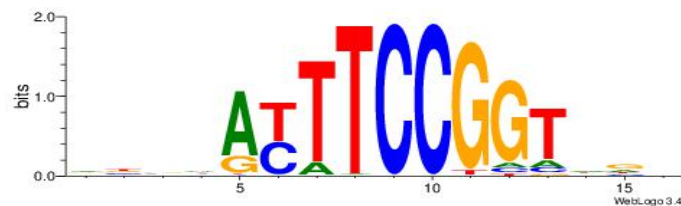
Motif ID: [UP00424](#)

Motif name: Gm4881
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 7
 Similarity score: 0.0185589

Alignment:
 DHDACCGGAAMTHBVB
 -----GRAAATG---

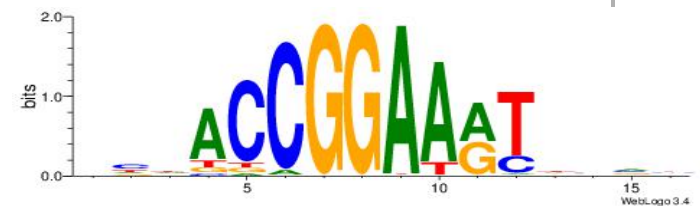
Original motif

Consensus sequence: VBBHAYTTCCGGTDDD



Reverse complement motif

Consensus sequence: DHDACCGGAAMTHBVB



Motif ID: [UP00090](#)
 Motif name: Elf3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 7

Similarity score: 0.0206385

Alignment:

DAHMMGGAARTDA

-----GRAAATG-

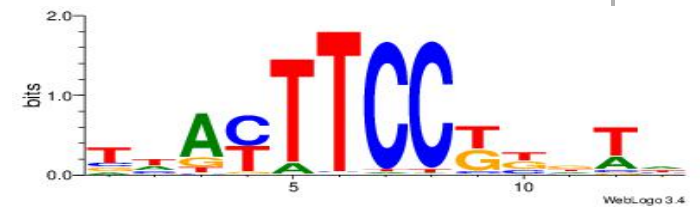
Original motif

Consensus sequence: DAHMMGGAARTDA



Reverse complement motif

Consensus sequence: TDAMTTCCYYDTD



Motif ID: [UP00013](#)

Motif name: Gabpa_primary

Species: Mus musculus

Matching format of first motif: Original Motif

Matching format of second motif: Original Motif

Direction: Forward

Position number: 8

Number of overlap: 7

Similarity score: 0.0213964

Alignment:

HVHHACCGGAAGTDHHV

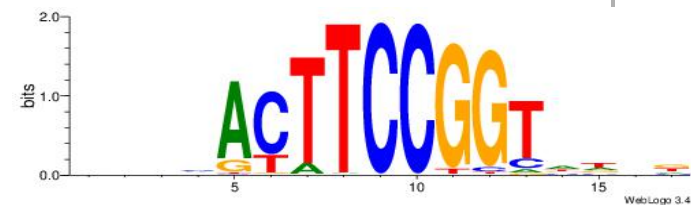
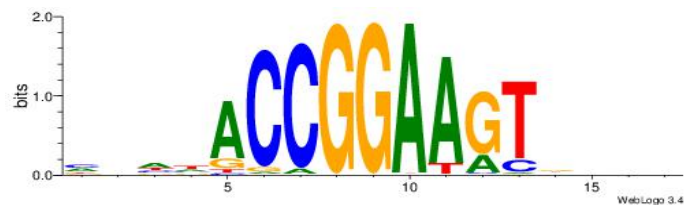
-----GRAAATG---

Original motif

Consensus sequence: HVHHACCGGAAGTDHHV

Reverse complement motif

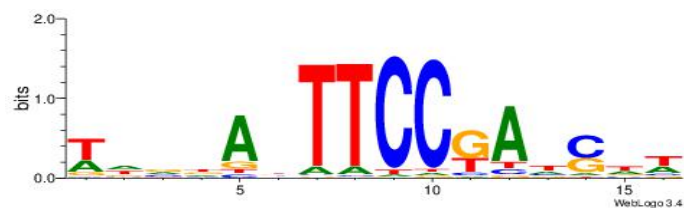
Consensus sequence: BHHHACTTCCGGTHHBD



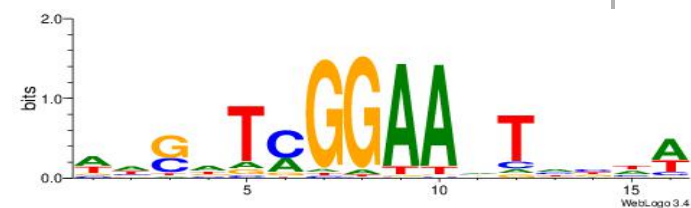
Motif ID: [UP00015](#)
 Motif name: Ehf_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 7
 Similarity score: 0.0237376

Alignment:
 WDSHTYGGAAVTDVDW
 -----GRAAATG---

Original motif
 Consensus sequence: WDV DABTTCC KAHSDW



Reverse complement motif
 Consensus sequence: WDSHTYGGAAVTDVDW



Motif ID: [UP00409](#)
 Motif name: Elf5
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 7
 Similarity score: 0.0242017

Alignment:

BWAHSMGGAAGTWD
 -----GRAAATG-

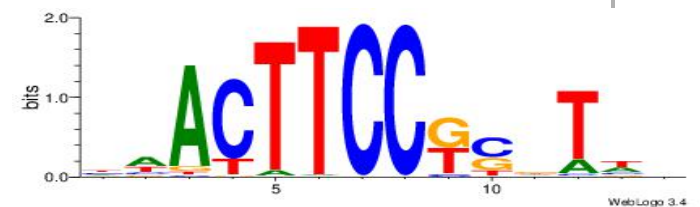
Original motif

Consensus sequence: BWAHSMGGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRSDTWV



Motif ID: [UP00419](#)
 Motif name: Spic
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7

Number of overlap: 7
Similarity score: 0.0253372

Alignment:

VAAAGMGAAGTWD
-----GRAAATG-

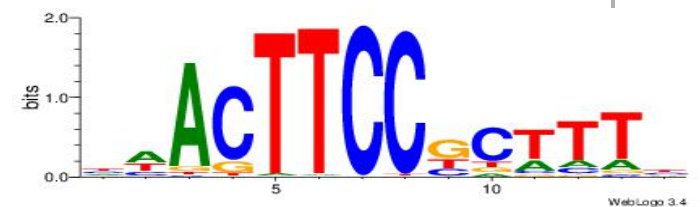
Original motif

Consensus sequence: VAAAGMGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRCTTTB



Motif ID: [UP00414](#)
Motif name: Ets1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 7
Similarity score: 0.0259997

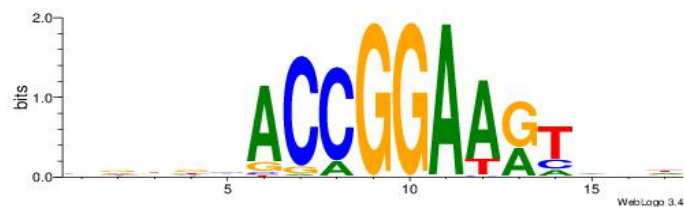
Alignment:

BDDDHACCGGAARTVDD
-----GRAAATG--

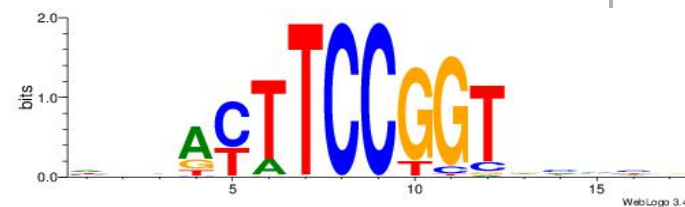
Original motif

Reverse complement motif

Consensus sequence: BDDDHACCGGAARTVDD



Consensus sequence: DDBAMTTCCGGTDHDB



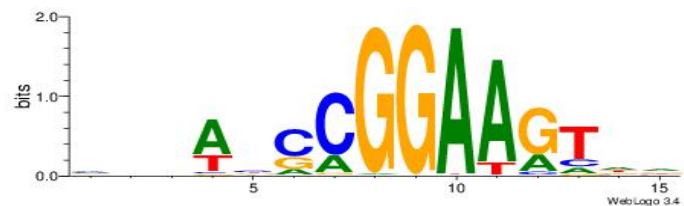
Motif ID: [UP00015](#)
Motif name: Ehf_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 7
Similarity score: 0.0272781

Alignment:

```
VBDABCCGGAAGTDD  
-----GRAAATG--
```

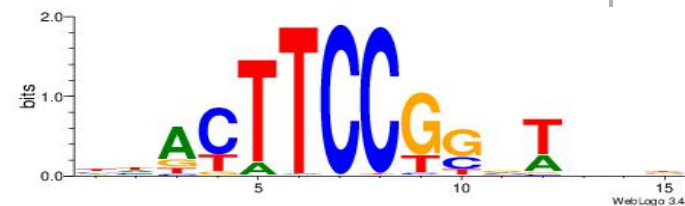
Original motif

Consensus sequence: VBDABCCGGAAGTDD



Reverse complement motif

Consensus sequence: DDACTTCCGGBTHBB



Dataset #: 1 **Motif ID: 16** **Motif name: Motif 16**

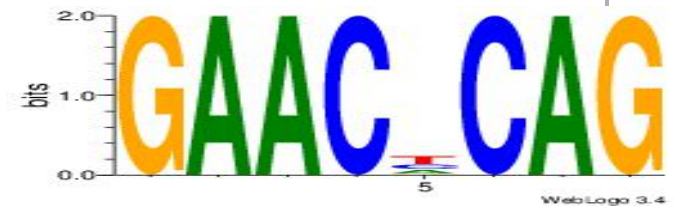
Original motif

Consensus sequence: CTGDGTTTC



Reverse complement motif

Consensus sequence: GAACDCAG



Best Matches for Motif ID 16 (Highest to Lowest)

Motif ID: [UP00019](#)
Motif name: Zbtb12_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 9
Number of overlap: 8
Similarity score: 0.0157032

Alignment:

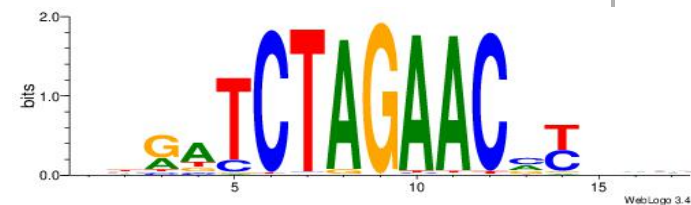
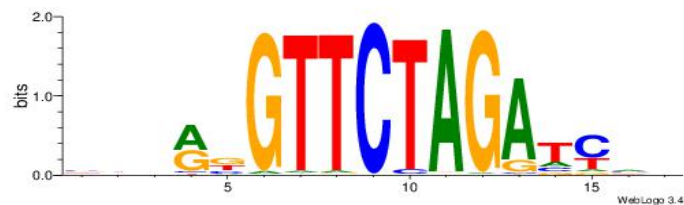
BDHRBGGTTCTAGATCVB
-CTGDGTTTC-----

Original motif

Consensus sequence: BDHRBGGTTCTAGATCVB

Reverse complement motif

Consensus sequence: BBGATCTAGAACBKHDB

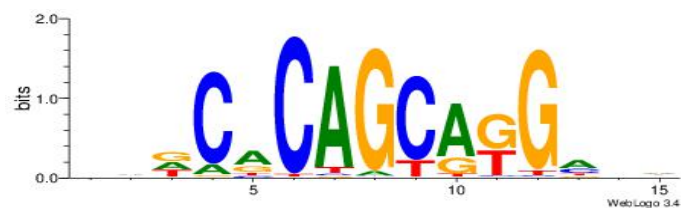


Motif ID: [UP00006](#)
 Motif name: Zic3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.0201417

Alignment:
 DDDCACAGCAKGHVD
 GAACDCAG-----

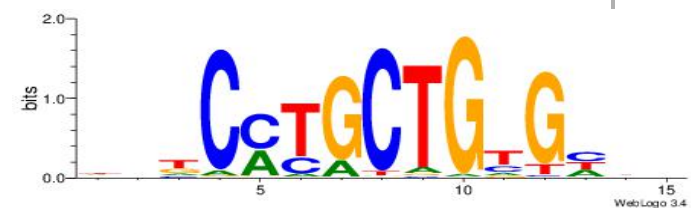
Original motif

Consensus sequence: DDDCACAGCAKGHVD



Reverse complement motif

Consensus sequence: DVHCYTGCTGTGHDH



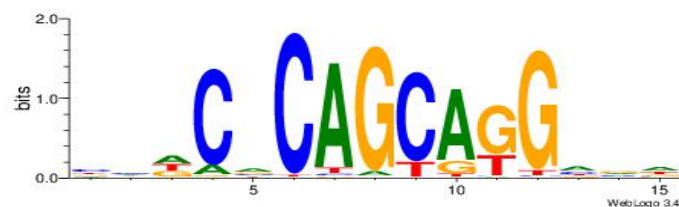
Motif ID: [UP00102](#)

Motif name: Zic1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.0217587

Alignment:
 BHDCVCAGCAGGHVD
 GAACDCAG-----

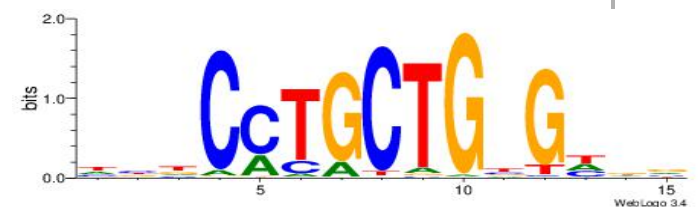
Original motif

Consensus sequence: BHDCVCAGCAGGHVD



Reverse complement motif

Consensus sequence: DVHCCTGCTGBGDDB



Motif ID: [UP00057](#)
 Motif name: Zic2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 8

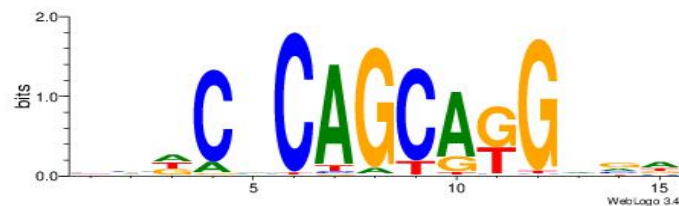
Similarity score: 0.0238424

Alignment:

DVBCYTGCTGBGDDD
-----CTGDGTTC

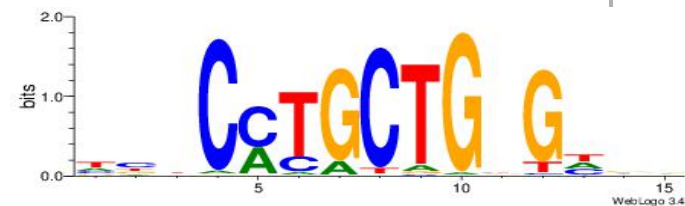
Original motif

Consensus sequence: HHDCVCAGCAKGVVD



Reverse complement motif

Consensus sequence: DVBCYTGCTGBGDDD



Motif ID: [UP00062](#)
Motif name: Sox4_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 8
Similarity score: 0.0269844

Alignment:

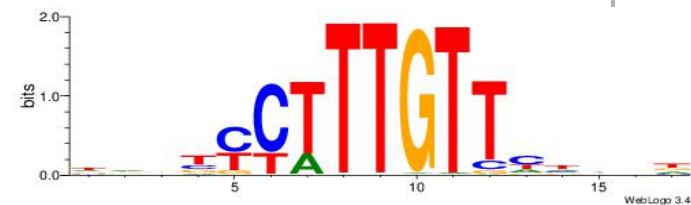
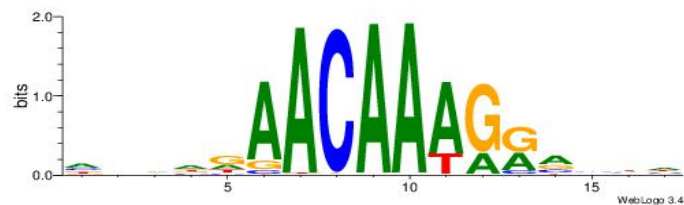
HBDDDAACAAAGRVBHH
----GAACDCAG-----

Original motif

Consensus sequence: HBDDDAACAAAGRVBHH

Reverse complement motif

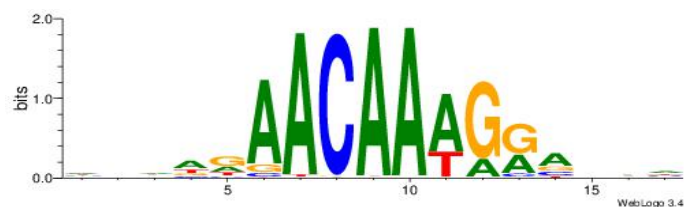
Consensus sequence: HHBBMCTTTGTTHDDBH



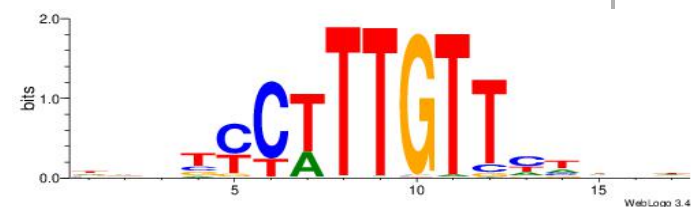
Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0275902

Alignment:
 HBDDRAACAAAGRABHH
 ----GAACDCAG-----

Original motif
 Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif
 Consensus sequence: HHBTMCTTTGTTMDDVH



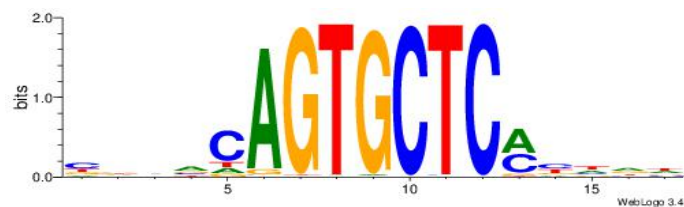
Motif ID: [UP00095](#)
 Motif name: Zfp691_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0327569

Alignment:

DDHBYGAGCACTGBHBB
 -----GAACDCAG-----

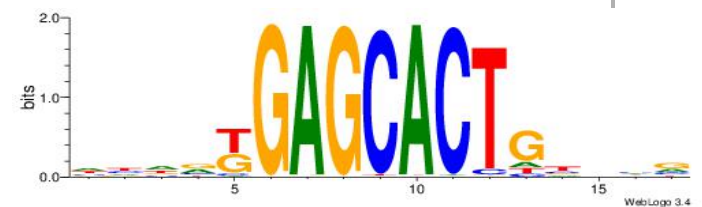
Original motif

Consensus sequence: BDHVCAGTGCTCMBHDD



Reverse complement motif

Consensus sequence: DDHBYGAGCACTGBHBB



Motif ID: [UP00053](#)
 Motif name: Rxra_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7

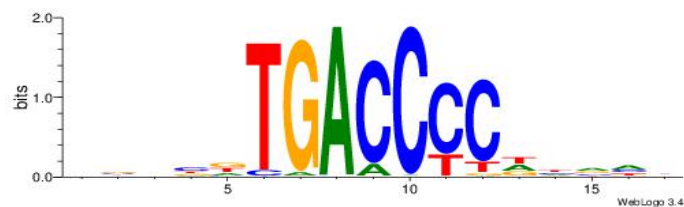
Number of overlap: 8
Similarity score: 0.0328235

Alignment:

VHBHDGGGGTCAHBHBD
---CTGDGTTC-----

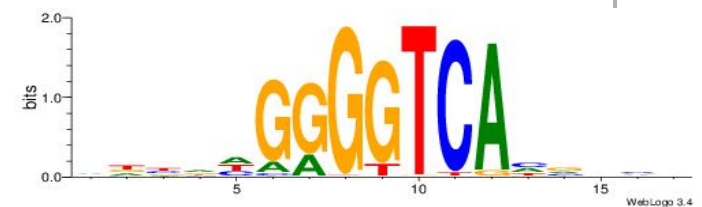
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHBD



Motif ID: [UP00042](#)
Motif name: Gm397_second
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 8
Similarity score: 0.0346944

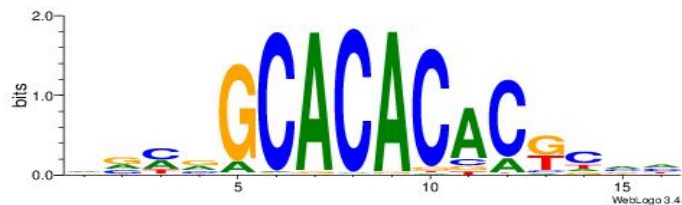
Alignment:

DVMVGCACACACKCVH
----GAACDCAG----

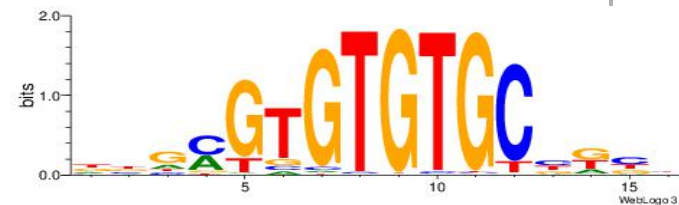
Original motif

Reverse complement motif

Consensus sequence: DVMVGCACACACKCVH



Consensus sequence: HBGYGTGTGTGCVRVD



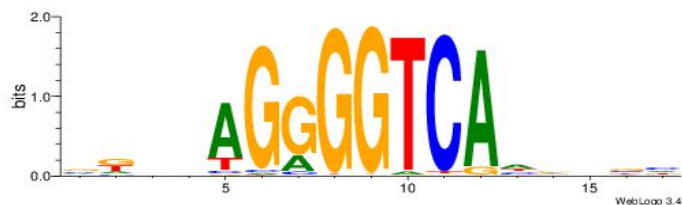
Motif ID: [UP00079](#)
Motif name: Esrra_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0.0347789

Alignment:

VKBBAGGGGTCAHDBBH
---CTGDGTTC-----

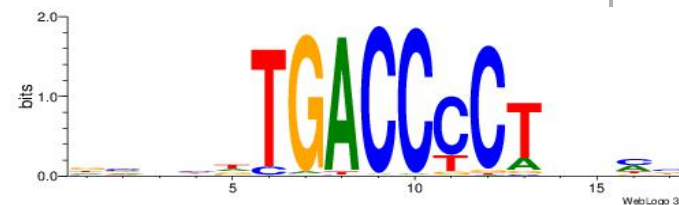
Original motif

Consensus sequence: VKBBAGGGGTCAHDBBH



Reverse complement motif

Consensus sequence: DBBHHTGACCCCTBBYV



Dataset #: 2 **Motif ID: 17** **Motif name: Motif 17**

Original motif

Consensus sequence: RGGAAR



Reverse complement motif

Consensus sequence: MTTCCCK



Best Matches for Motif ID 17 (Highest to Lowest)

Motif ID:	UP00090
Motif name:	Elf3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	6
Similarity score:	0

Alignment:

TDAMTTCCYYDTD

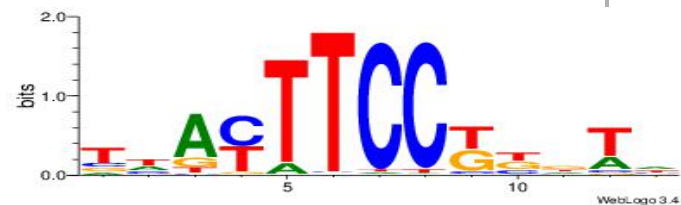
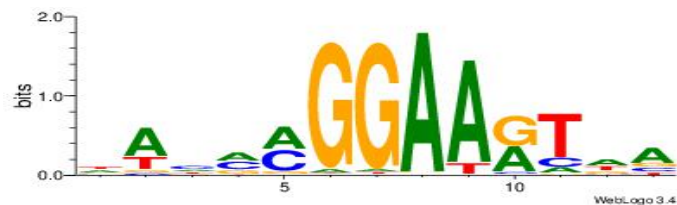
---MTTCK----

Original motif

Consensus sequence: DAHMMGGAARTDA

Reverse complement motif

Consensus sequence: TDAMTTCCYYDTD



Motif ID: [UP00085](#)
 Motif name: Sfp1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.00351709

Alignment:
 BDAWGVGGAAGTDH
 -----RGGAAR---

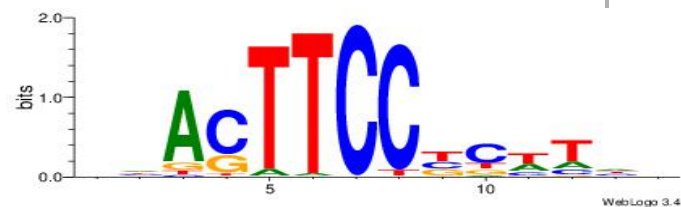
Original motif

Consensus sequence: BDAWGVGGAAGTDH



Reverse complement motif

Consensus sequence: HDACTTCBCWTDV



Motif ID: [UP00414](#)

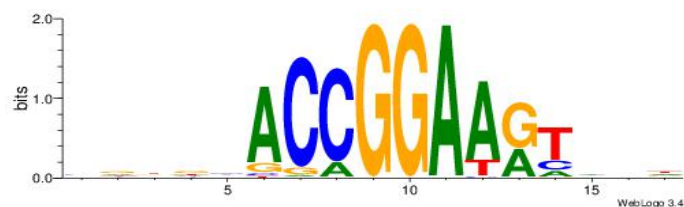
Motif name: Ets1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 6
 Similarity score: 0.00356242

Alignment:

DDBAMTTCCGGTDHDB
 ----MTTCK-----

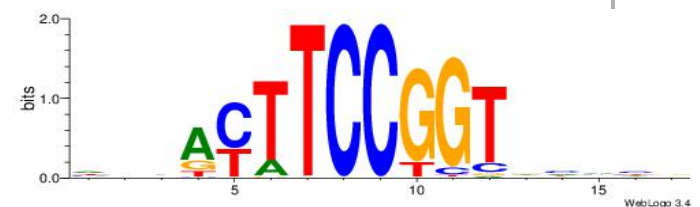
Original motif

Consensus sequence: BDDDHACCGGAARTVDD



Reverse complement motif

Consensus sequence: DDBAMTTCCGGTDHDB



Motif ID: [UP00409](#)
 Motif name: Elf5
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 6

Similarity score: 0.00439981

Alignment:

BWAHSMGGAAGTWD

-----RGGAAR---

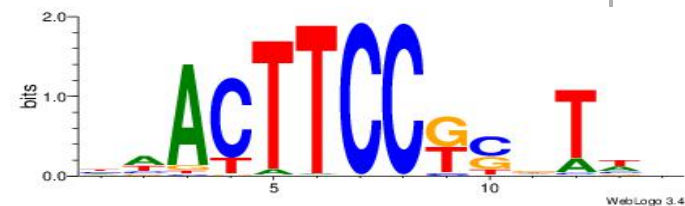
Original motif

Consensus sequence: BWAHSMGGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRSDTWV



Motif ID: [UP00015](#)

Motif name: Ehf_primary

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 4

Number of overlap: 6

Similarity score: 0.00655644

Alignment:

DDACTTCCGGBTHBB

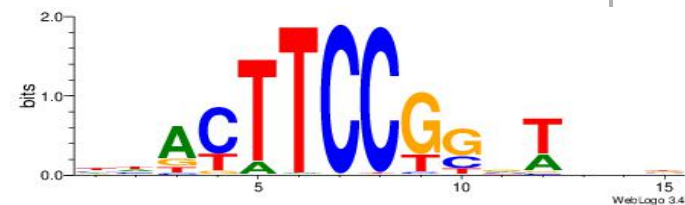
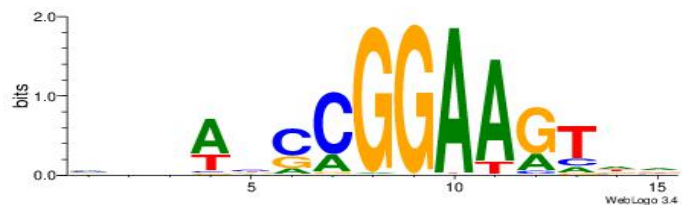
---MTTCK-----

Original motif

Consensus sequence: VBDABCCGGAAGTDD

Reverse complement motif

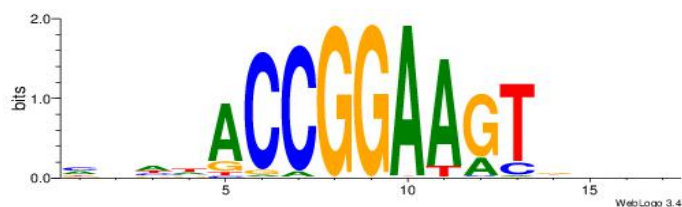
Consensus sequence: DDACTTCCGGBTHBB



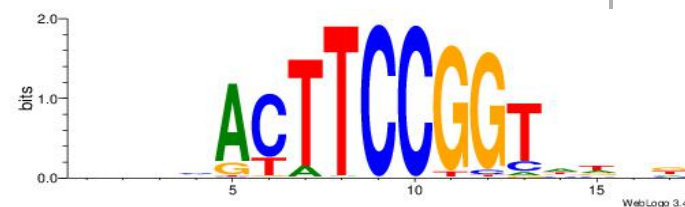
Motif ID: [UP00013](#)
 Motif name: Gabpa_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.00663687

Alignment:
 BHHHACTTCCGGTHHBD
 -----MTTCCK-----

Original motif
 Consensus sequence: HVHHACCGGAAGTDHHV



Reverse complement motif
 Consensus sequence: BHHHACTTCCGGTHHBD



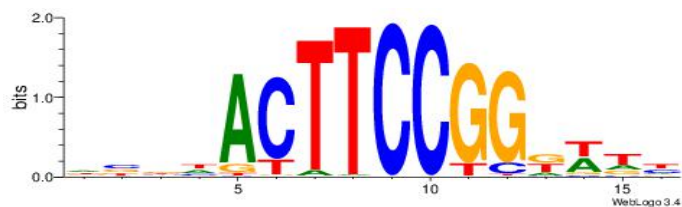
Motif ID: [UP00413](#)
 Motif name: Elf4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.00896416

Alignment:

DBBHACTTCCGGKWTH
 -----MTTCCK-----

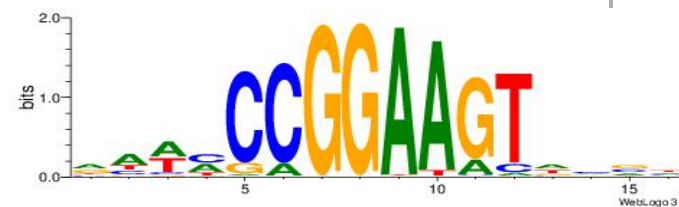
Original motif

Consensus sequence: DBBHACTTCCGGKWTH



Reverse complement motif

Consensus sequence: HAWYCCGGAAGTHBBD



Motif ID: [UP00419](#)
 Motif name: Spic
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6

Number of overlap: 6
Similarity score: 0.00975526

Alignment:

VAAAGMGAAGTWD
-----RGAAR---

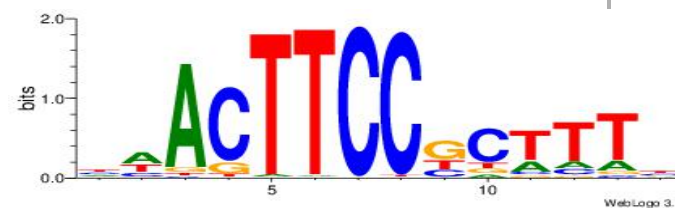
Original motif

Consensus sequence: VAAAGMGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCRCCTTTB



Motif ID: [UP00418](#)
Motif name: Etv6
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 7
Number of overlap: 6
Similarity score: 0.0103447

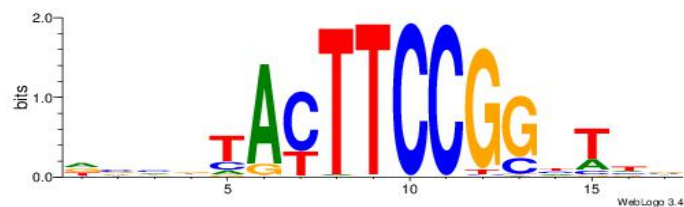
Alignment:

DVHBTACTTCGGHTHB
-----MTTCCK-----

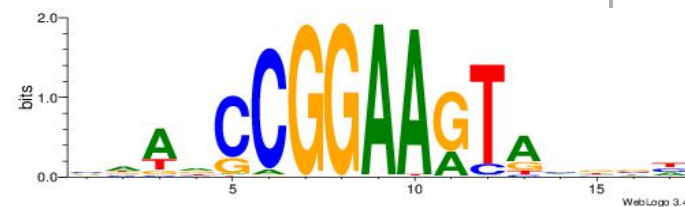
Original motif

Reverse complement motif

Consensus sequence: DVHBTACTTCCGGHTHB



Consensus sequence: BHAHCCGGAAGTABDVD



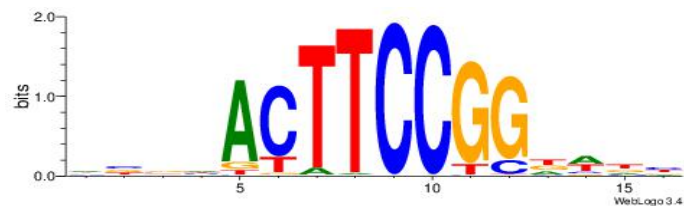
Motif ID: [UP00404](#)
Motif name: Elf2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 6
Similarity score: 0.010491

Alignment:

DBBHACTTCCGGDWDB
-----MTTCCK-----

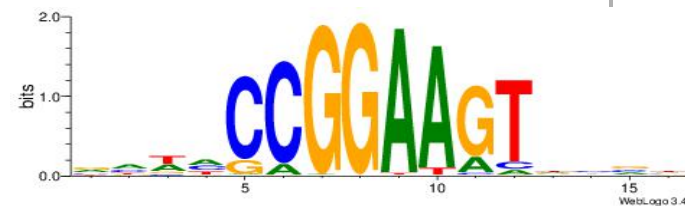
Original motif

Consensus sequence: DBBHACTTCCGGDWDB



Reverse complement motif

Consensus sequence: BDWDCCGGAAGTHBBD



Dataset #: 2 **Motif ID: 18** **Motif name: Motif 18**

Original motif

Consensus sequence: AMACA



Reverse complement motif

Consensus sequence: TGTGT



Best Matches for Motif ID 18 (Highest to Lowest)

Motif ID:	UP00042
Motif name:	Gm397_second
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	7
Number of overlap:	5
Similarity score:	0

Alignment:

DVMVGCACACACKCVH

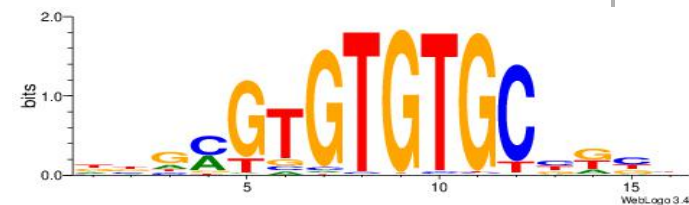
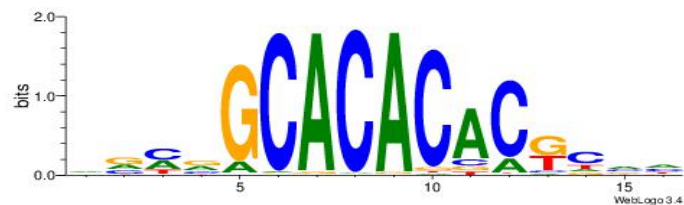
-----AMACA-----

Original motif

Consensus sequence: DVMVGCACACACKCVH

Reverse complement motif

Consensus sequence: HBGYGTGTGTGCVRVD

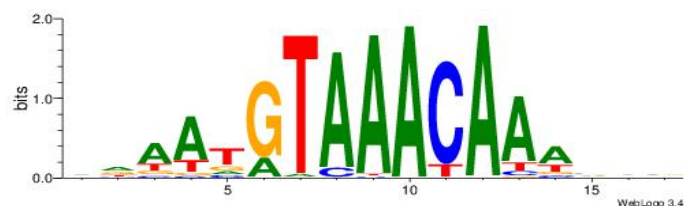


Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 5
 Similarity score: 0.00605402

Alignment:
 DDAATGTAAACAAVVB
 -----AMACA-----

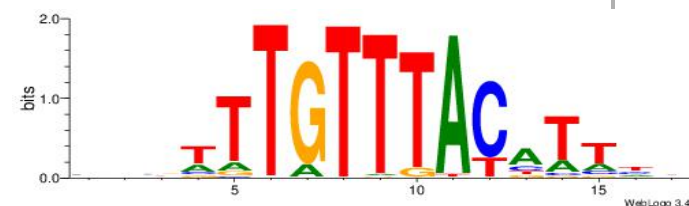
Original motif

Consensus sequence: DDAATGTAAACAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD



Motif ID: [UP00041](#)

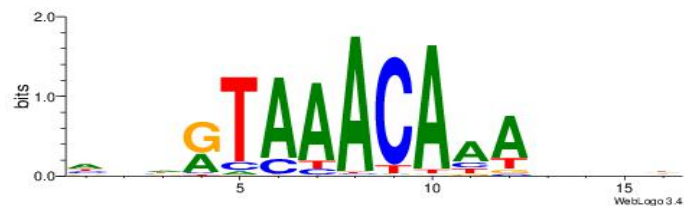
Motif name: Foxj1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 5
 Similarity score: 0.00753267

Alignment:

HDHRTAAACAAHDDD
 -----AMACA-----

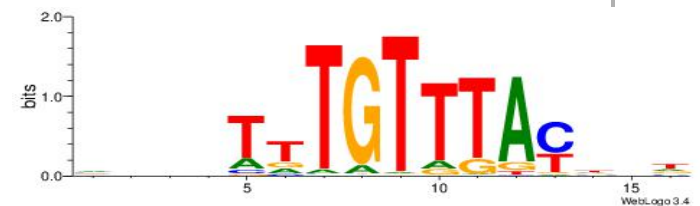
Original motif

Consensus sequence: HDHRTAAACAAHDDD



Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDDH



Motif ID: [UP00039](#)
 Motif name: Foxj3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 5

Similarity score: 0.00965634

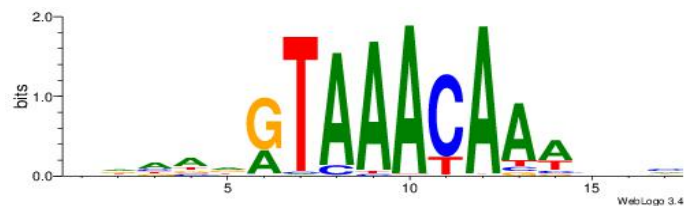
Alignment:

HDHADGTAAACAAVVH

-----AMACA-----

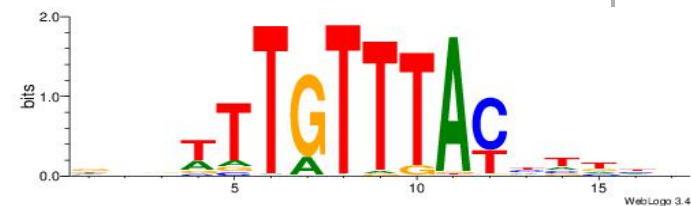
Original motif

Consensus sequence: HDHADGTAAACAAVVH



Reverse complement motif

Consensus sequence: DVVTTTGTTCACDTHDH



Motif ID: [UP00061](#)
Motif name: Foxl1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 5
Similarity score: 0.00989492

Alignment:

DWAATRTAAACAAWVVB

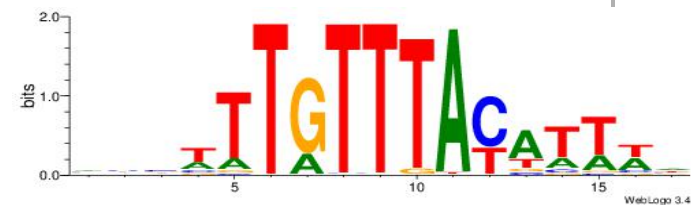
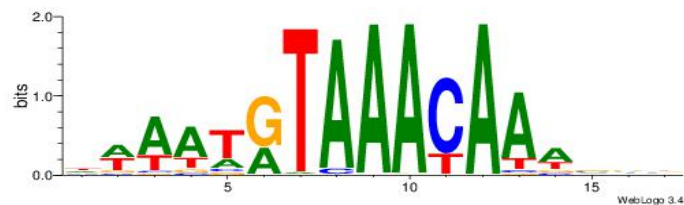
-----AMACA-----

Original motif

Consensus sequence: DWAATRTAAACAAWVVB

Reverse complement motif

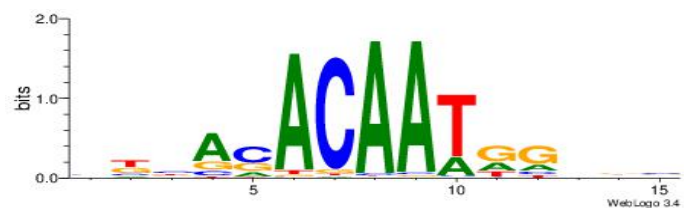
Consensus sequence: VVVWTTGTTTAMATTWD



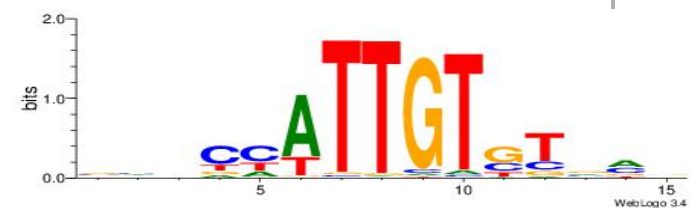
Motif ID: [UP000004](#)
 Motif name: Sox14_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 5
 Similarity score: 0.0116453

Alignment:
 BBDCMATTGTSTBRB
 -----TGTRT---

Original motif
 Consensus sequence: BKBASACAATRGHBB



Reverse complement motif
 Consensus sequence: BBDCMATTGTSTBRB



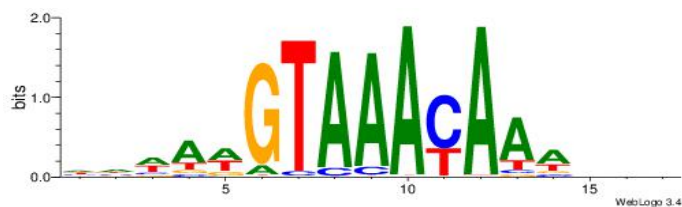
Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 5
 Similarity score: 0.0143122

Alignment:

HHWAWGTAAAYAAVDB
 -----AMACA-----

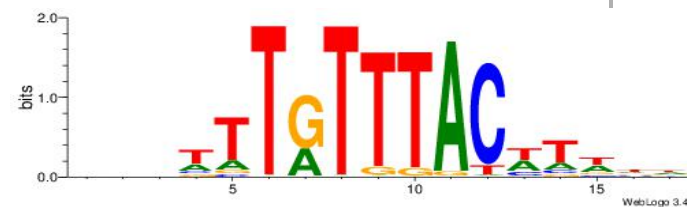
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



Motif ID: [UP00026](#)
 Motif name: Zscan4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6

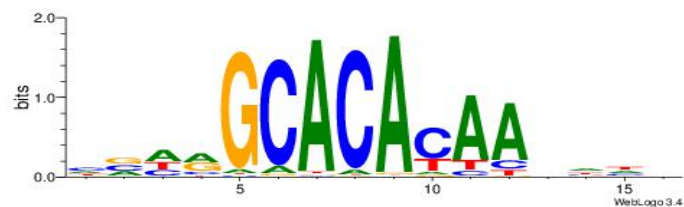
Number of overlap: 5
Similarity score: 0.0153228

Alignment:

BHHHTTGTGTGCKHVD
-----TGTRT-----

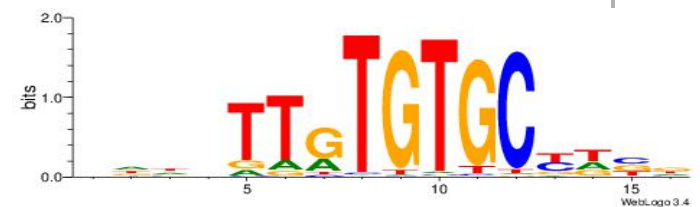
Original motif

Consensus sequence: HVHRGCACACAAHHHV



Reverse complement motif

Consensus sequence: BHHHTTGTGTGCKHVD



Motif ID: [UP00011](#)
Motif name: Irf6_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 5
Similarity score: 0.024195

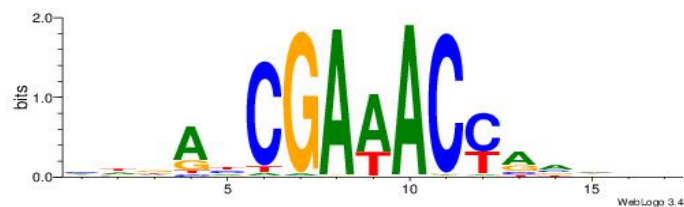
Alignment:

DHDBTKGTTTCGHTHDD
-----TGTRT-----

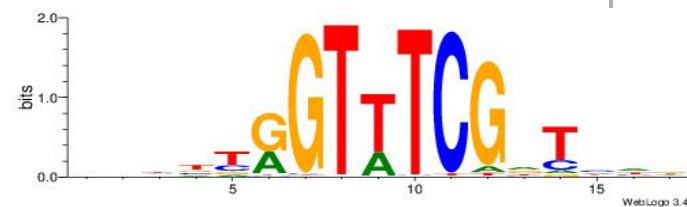
Original motif

Reverse complement motif

Consensus sequence: HDDAHCGAAACYAVDDD



Consensus sequence: DHDBTKGTTTCGHTHDD



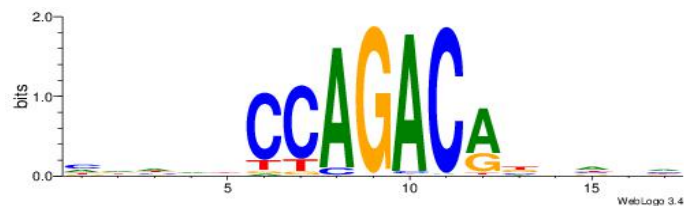
Motif ID: [UP00000](#)
Motif name: Smad3_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 5
Similarity score: 0.0255974

Alignment:

HDHDDCCAGACABBHVH
-----AMACA-----

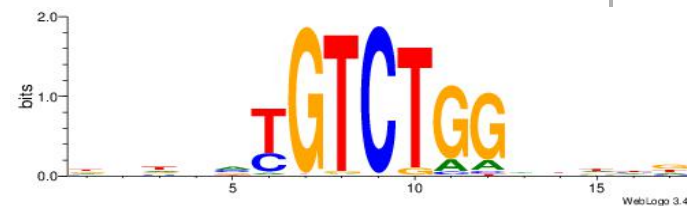
Original motif

Consensus sequence: HDHDDCCAGACABBHVH



Reverse complement motif

Consensus sequence: HVHBVTGTCTGGDDHDD



Dataset #: 2 **Motif ID: 19** **Motif name: Motif 19**

Original motif

Consensus sequence: AGSCWGG



Reverse complement motif

Consensus sequence: CCWGSCT



Best Matches for Motif ID 19 (Highest to Lowest)

Motif ID:	UP00035
Motif name:	Hic1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	7
Number of overlap:	7
Similarity score:	0

Alignment:

DDBHGGTTGGCATVBD

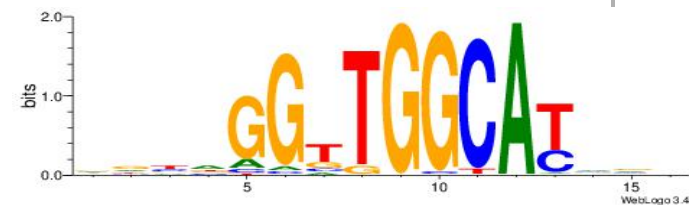
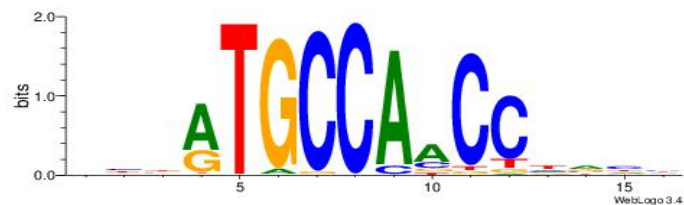
---AGSCWGG-----

Original motif

Consensus sequence: DDBATGCCAACCHVHH

Reverse complement motif

Consensus sequence: DDBHGGTTGGCATVBD

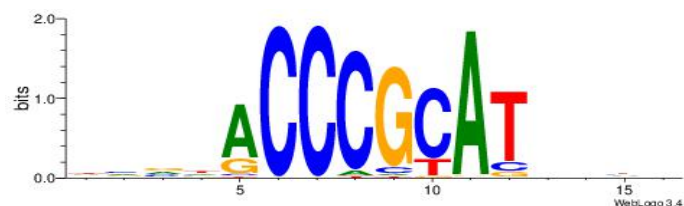


Motif ID: [UP00070](#)
 Motif name: Gcm1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 7
 Similarity score: 0.00560414

Alignment:
 DHDVATGCGGGTHVVH
 ----AGSCWGG-----

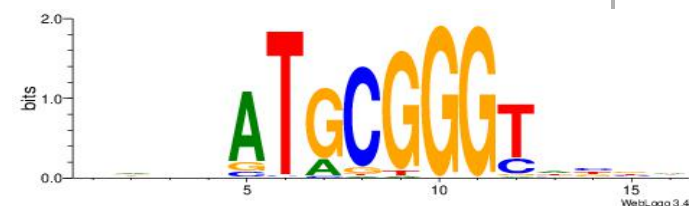
Original motif

Consensus sequence: HVVHACCCGCATVDHD



Reverse complement motif

Consensus sequence: DHDVATGCGGGTHVVH



Motif ID: [UP00095](#)

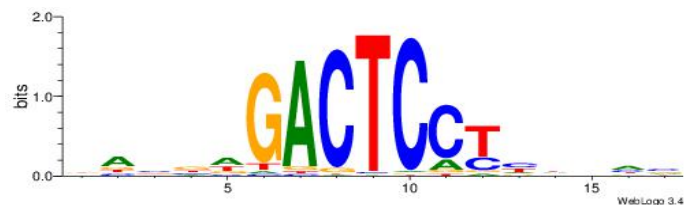
Motif name: Zfp691_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 7
 Similarity score: 0.0109149

Alignment:

VHBDDAGGAGTCWBBTD
 -----AGSCWGG--

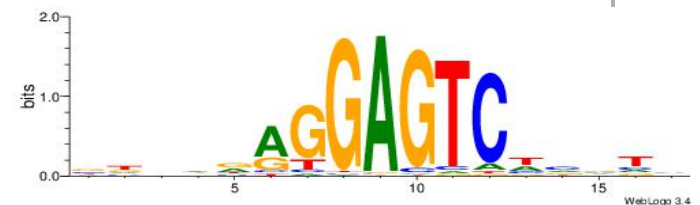
Original motif

Consensus sequence: DABBWGACTCCTHDTVHV



Reverse complement motif

Consensus sequence: VHBDDAGGAGTCWBBTD



Motif ID: [UP00006](#)
 Motif name: Zic3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 7

Similarity score: 0.0109242

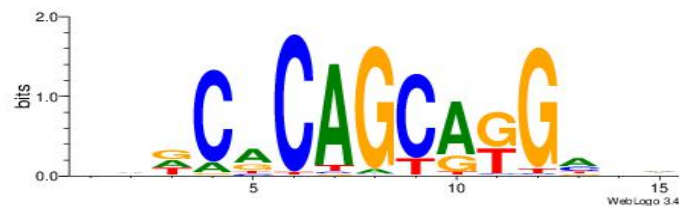
Alignment:

DVHCYTGCTGTGHDH

--CCWGSCT-----

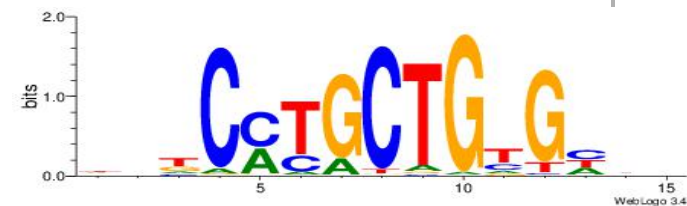
Original motif

Consensus sequence: DDDCACAGCAKGHVD



Reverse complement motif

Consensus sequence: DVHCYTGCTGTGHDH



Motif ID: [UP00000](#)
Motif name: Smad3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 7
Similarity score: 0.0114503

Alignment:

HDHDDCCAGACABBHVH

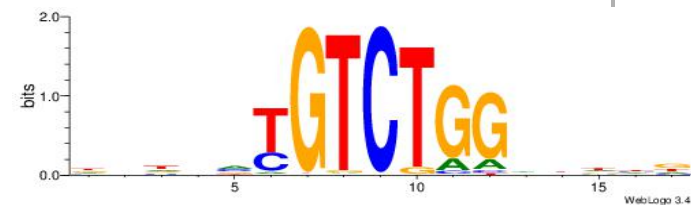
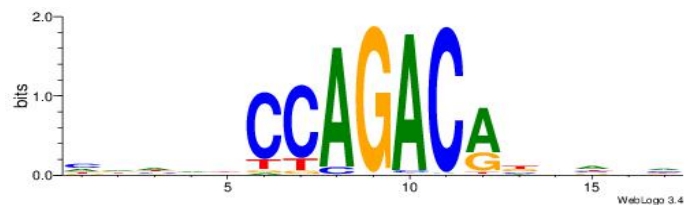
-----CCWGSCT-----

Original motif

Consensus sequence: HDHDDCCAGACABBHVH

Reverse complement motif

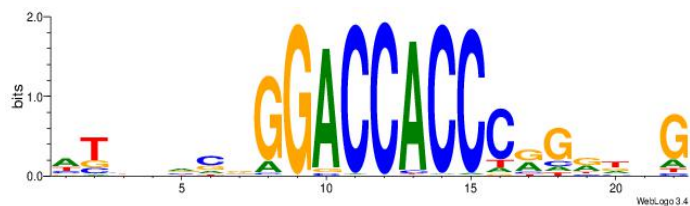
Consensus sequence: HVHBVTGTCTGGDDHDD



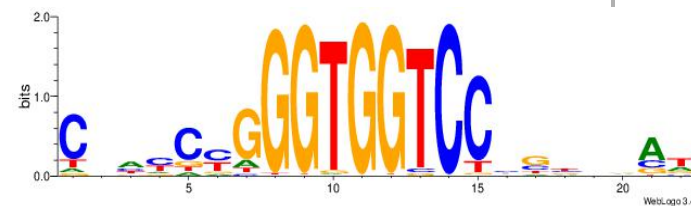
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 7
 Similarity score: 0.0115258

Alignment:
 CBDMCMGGGTGGTCCHVBVAH
 -----AGSCWGG-----

Original motif
 Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif
 Consensus sequence: CBDMCMGGGTGGTCCHVBVAH



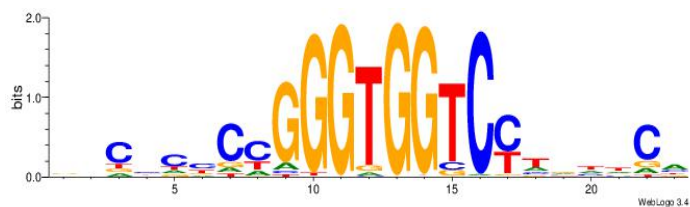
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 7
 Similarity score: 0.0117486

Alignment:

HGDHVKHGACCAACCGGBGBGDB
 -----CCWGSCT-----

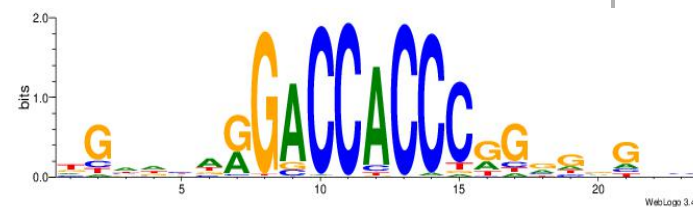
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVKHGACCAACCGGBGBGDB

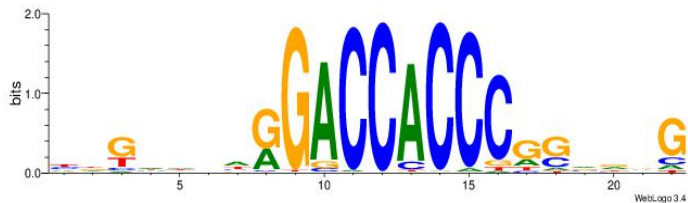


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6

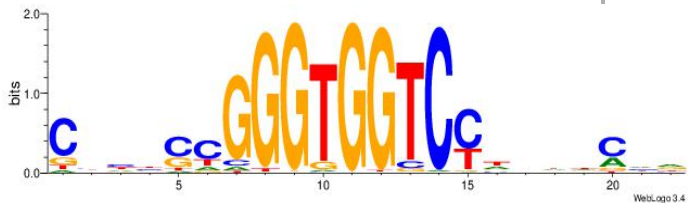
Number of overlap: 7
Similarity score: 0.0131676

Alignment:
CVHBSCGGGTGGTCMHVHHCDH
-----AGSCWGG-----

Original motif
Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif
Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



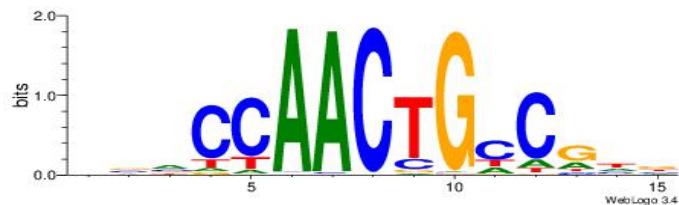
Motif ID: [UP00081](#)
Motif name: Mybl1_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 7
Number of overlap: 7
Similarity score: 0.0136026

Alignment:
BHCGGCAGTTGGBBB
--AGSCWGG-----

Original motif

Reverse complement motif

Consensus sequence: BBVCCAAC TGCCGHB



Consensus sequence: BHCGGCAGTTGGBBB



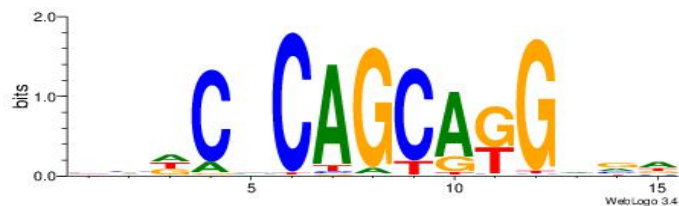
Motif ID: [UP00057](#)
Motif name: Zic2_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 7
Number of overlap: 7
Similarity score: 0.0139558

Alignment:

DVBCYTGCTGBGDDD
--CCWGSCT-----

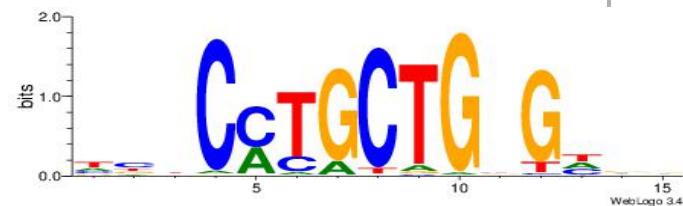
Original motif

Consensus sequence: HHDCVCAGCAKGVVD



Reverse complement motif

Consensus sequence: DVBCYTGCTGBGDDD



Dataset #: 2 **Motif ID: 20** **Motif name: Motif 20**

Original motif

Consensus sequence: CTCTGY



Reverse complement motif

Consensus sequence: KCAGAG



Best Matches for Motif ID 20 (Highest to Lowest)

Motif ID: [UP00031](#)
Motif name: Zbtb3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 7
Number of overlap: 6
Similarity score: 0

Alignment:

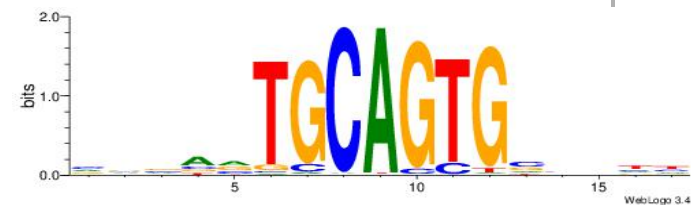
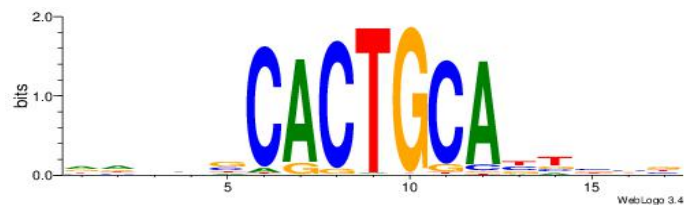
```
BBBAVTGCAGTGBBVDD  
-----KCAGAG-----
```

Original motif

Consensus sequence: DDBBBCACTGCABTBBB

Reverse complement motif

Consensus sequence: BBBAVTGCAGTGBBVDD

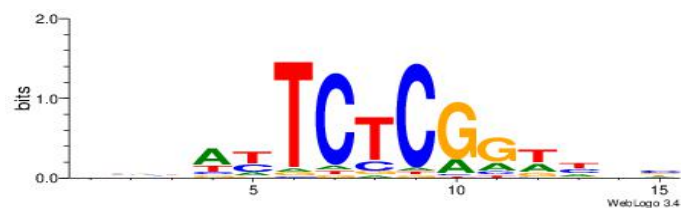


Motif ID: [UP00018](#)
 Motif name: Irf4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0.00610915

Alignment:
 BHHWCCGAGAMTVVB
 ---KCAGAG-----

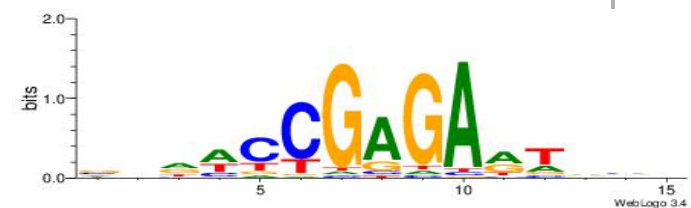
Original motif

Consensus sequence: VVBAYTCTCGGWHDB



Reverse complement motif

Consensus sequence: BHHWCCGAGAMTVVB



Motif ID: [UP00095](#)

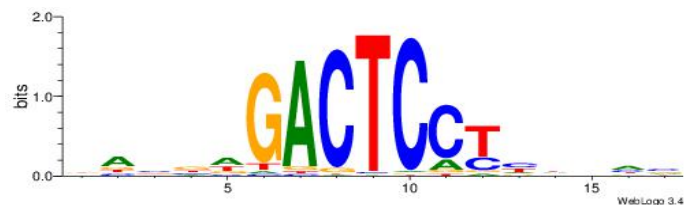
Motif name: Zfp691_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 6
 Similarity score: 0.00648219

Alignment:

VHBDDAGGAGTCWBBTD
 ----KCAGAG-----

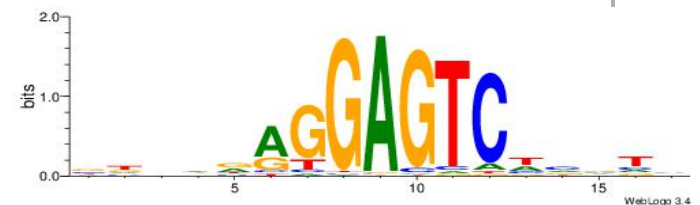
Original motif

Consensus sequence: DABBWGACTCCTHDTVHV



Reverse complement motif

Consensus sequence: VHBDDAGGAGTCWBBTD



Motif ID: [UP00006](#)
 Motif name: Zic3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 6

Similarity score: 0.00853125

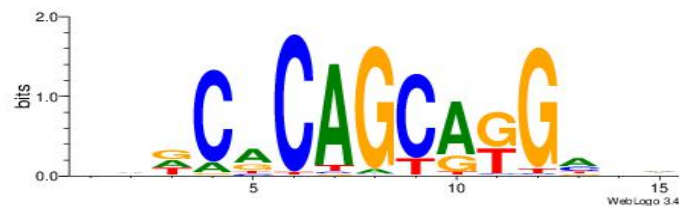
Alignment:

DDDCACAGCAKGHVD

--KCAGAG-----

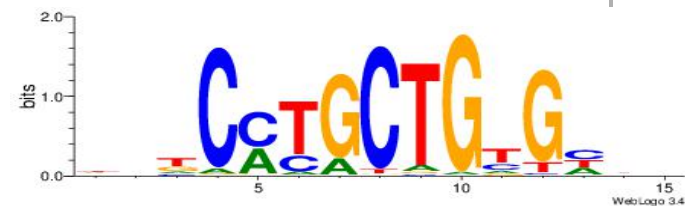
Original motif

Consensus sequence: DDDCACAGCAKGHVD



Reverse complement motif

Consensus sequence: DVHCTGTGCTGHDH



Motif ID: [UP00007](#)

Motif name: Egr1_secondary

Species: Mus musculus

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Backward

Position number: 2

Number of overlap: 6

Similarity score: 0.00895004

Alignment:

BHHDTCCTACTCBDBV

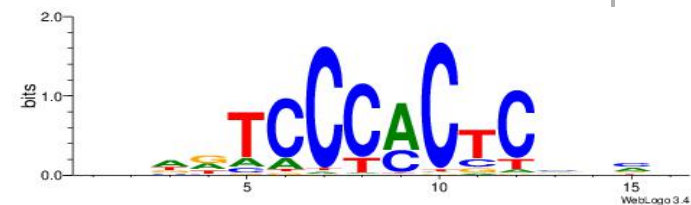
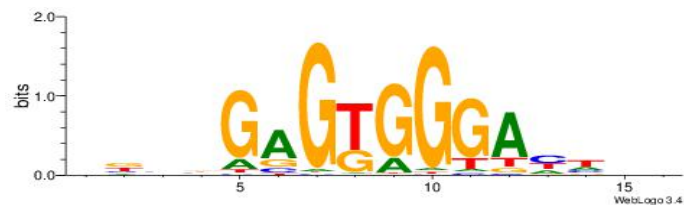
-----CTCTGY-

Original motif

Consensus sequence: BBHBGAGTGGGAHHDB

Reverse complement motif

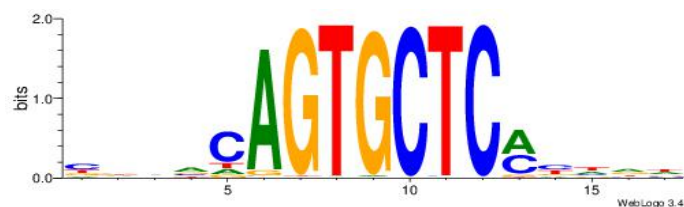
Consensus sequence: BHHDTCCTACTCBDBV



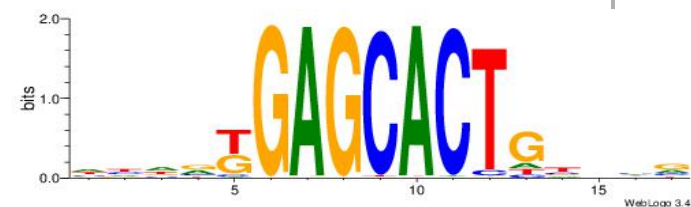
Motif ID: [UP00095](#)
 Motif name: Zfp691_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 6
 Similarity score: 0.00955889

Alignment:
 DDHBYGAGCACTGBHHB
 -----CTCTGY---

Original motif
 Consensus sequence: BDHVCAGTGCTCMBHDD



Reverse complement motif
 Consensus sequence: DDHBYGAGCACTGBHHB



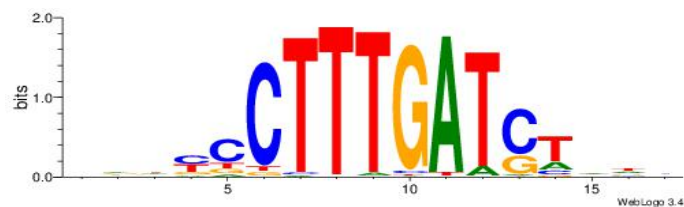
Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0106184

Alignment:

VDDAGATCAAAGGKDDD
 -----KCAGAG-----

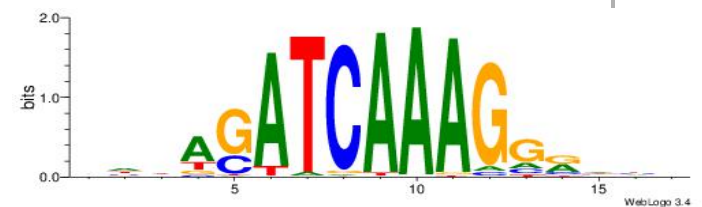
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD



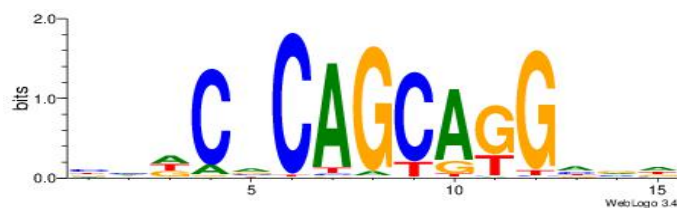
Motif ID: [UP00102](#)
 Motif name: Zic1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8

Number of overlap: 6
Similarity score: 0.0122635

Alignment:
BHDCVCAGCAGGHVD
--KCAGAG-----

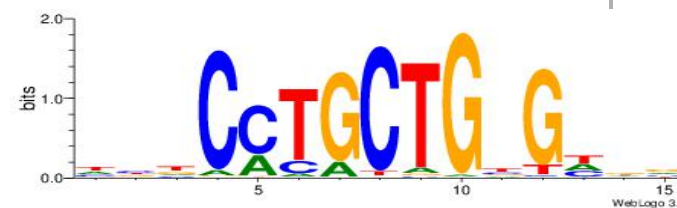
Original motif

Consensus sequence: BHDCVCAGCAGGHVD



Reverse complement motif

Consensus sequence: DVHCCTGCTGBGDDDB



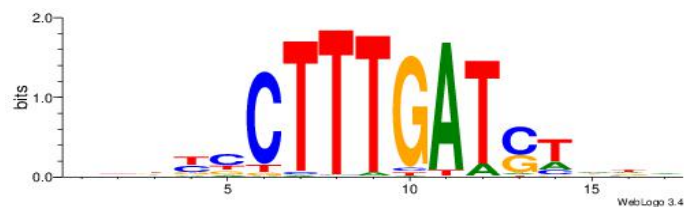
Motif ID: [UP00083](#)
Motif name: Tcf7l2_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 6
Number of overlap: 6
Similarity score: 0.0131237

Alignment:
BDDASATCAAAGMDDD
-----KCAGAG-----

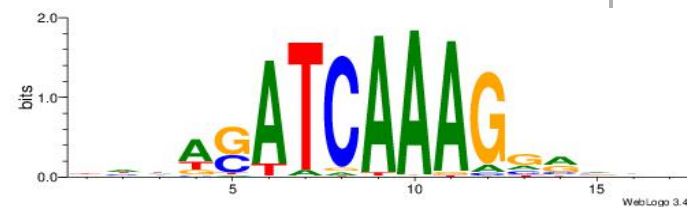
Original motif

Reverse complement motif

Consensus sequence: DDDYCCTTTGATSTDDV



Consensus sequence: BDDASATCAAAGGMDDD



Motif ID: [UP00057](#)
Motif name: Zic2_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 6
Similarity score: 0.0136526

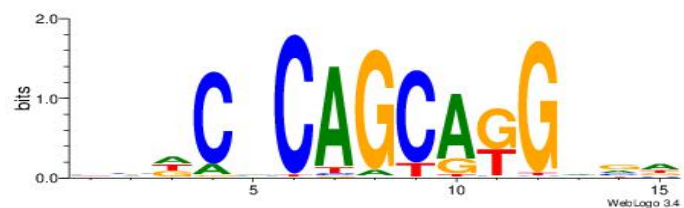
Alignment:

HHDCVCAGCAKGVVD

--KCAGAG-----

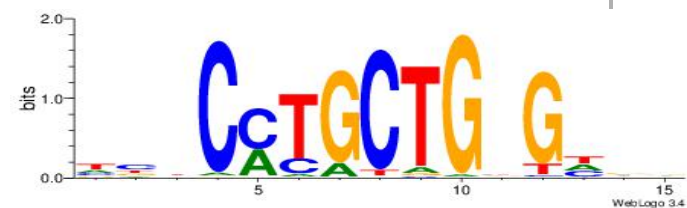
Original motif

Consensus sequence: HHDCVCAGCAKGVVD



Reverse complement motif

Consensus sequence: DVBCYTGCTGBGDDD



Dataset #: 2 **Motif ID: 21** **Motif name: Motif 21**

Original motif

Consensus sequence: ATKTM



Reverse complement motif

Consensus sequence: RARAT



Best Matches for Motif ID 21 (Highest to Lowest)

Motif ID: [UP00080](#)
Motif name: Gata5_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 9
Number of overlap: 5
Similarity score: 0

Alignment:

VVBHRAGATATCWDHBB

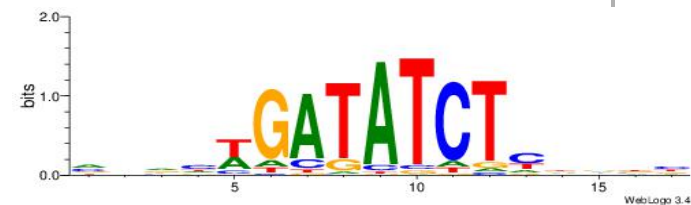
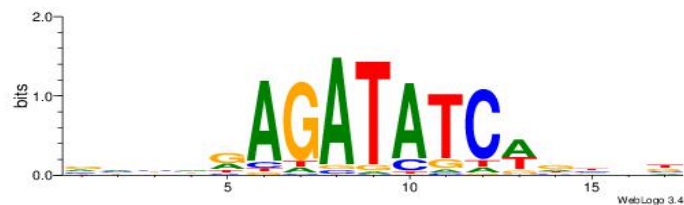
-----RARAT-----

Original motif

Consensus sequence: VVBHRAGATATCWDHBB

Reverse complement motif

Consensus sequence: VVHHWGATATCTMHBBV

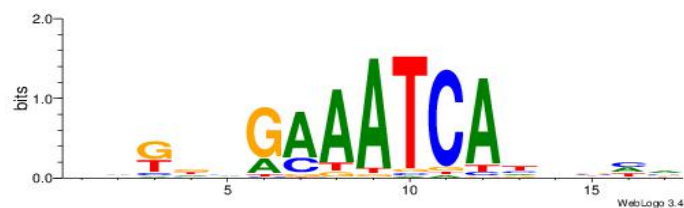


Motif ID: [UP00148](#)
 Motif name: Hdx
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 5
 Similarity score: 0.00279496

Alignment:
 DDKDHGAAATCAHHBH
 -----RARAT-----

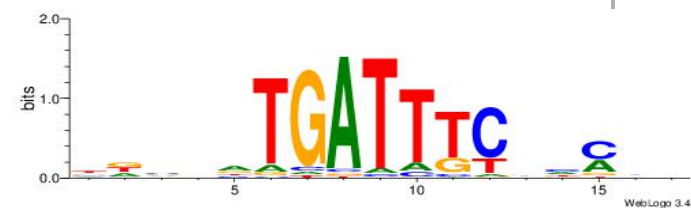
Original motif

Consensus sequence: DDKDHGAAATCAHHBH



Reverse complement motif

Consensus sequence: BDBDHTGATTTC DHYD



Motif ID: [UP00032](#)

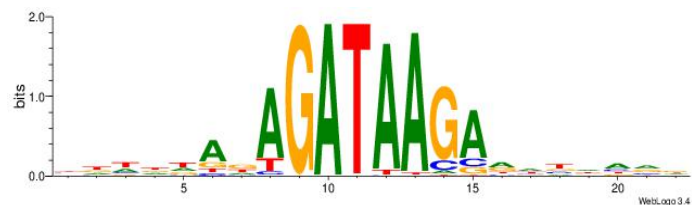
Motif name: Gata3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 12
 Number of overlap: 5
 Similarity score: 0.00967655

Alignment:

BDHDDADAGATAAGADHBDHVD
 -----RARAT-----

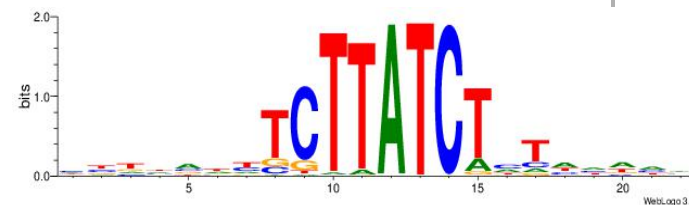
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHVD



Motif ID: [UP00250](#)
 Motif name: Irx5
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 5

Similarity score: 0.0116566

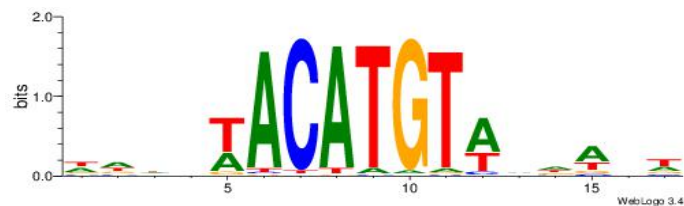
Alignment:

DDDHWACATGTWHDABW

-----ATKTM-----

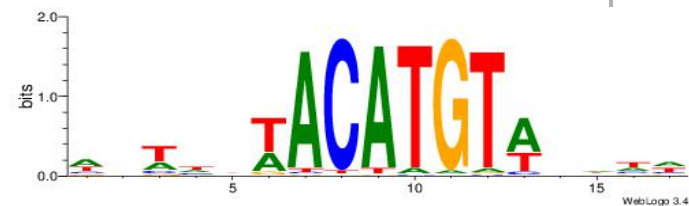
Original motif

Consensus sequence: DDDHWACATGTWHDABW



Reverse complement motif

Consensus sequence: WVTDPWACATGTWHD



Motif ID: [UP00236](#)
Motif name: Irx2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 5
Similarity score: 0.0120196

Alignment:

WDDDTACATGTADDWBW

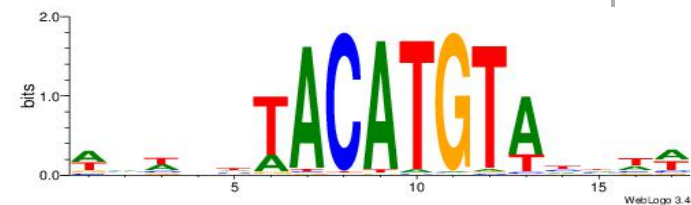
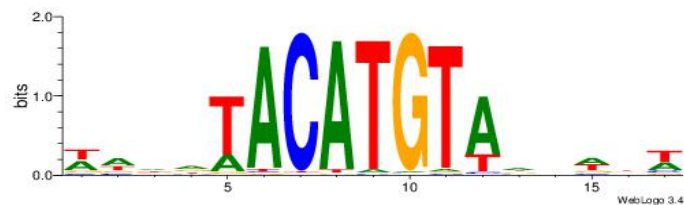
-----ATKTM-----

Original motif

Consensus sequence: WDDDTACATGTADDWBW

Reverse complement motif

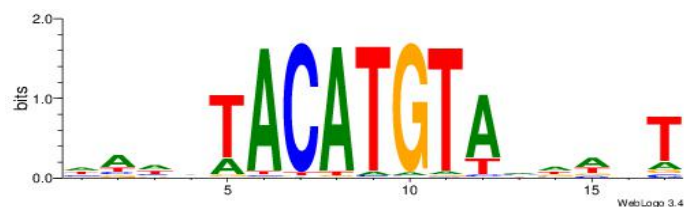
Consensus sequence: WVWDDTACATGTADDW



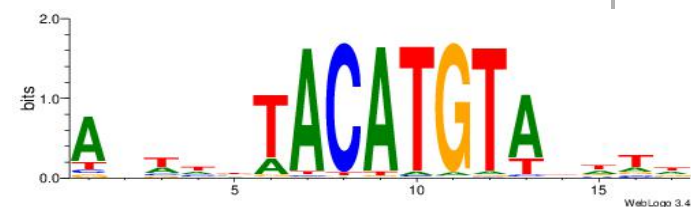
Motif ID: [UP00150](#)
 Motif name: Irx6
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 5
 Similarity score: 0.0120601

Alignment:
 HAHDTACATGTAVDWHT
 -----ATKTM-----

Original motif
 Consensus sequence: HAHDTACATGTAVDWHT



Reverse complement motif
 Consensus sequence: AHWDBTACATGTADHTH



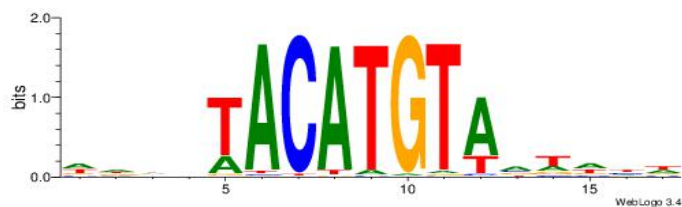
Motif ID: [UP00223](#)
 Motif name: Irx3_2226.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 5
 Similarity score: 0.0124884

Alignment:

DDDHTACATGTAVWDHD
 -----ATKTM-----

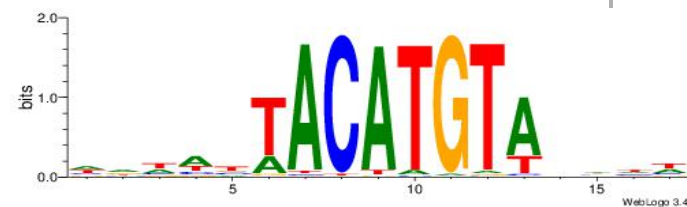
Original motif

Consensus sequence: DDDHTACATGTAVWDHD



Reverse complement motif

Consensus sequence: DHDWBTACATGTAHDDD



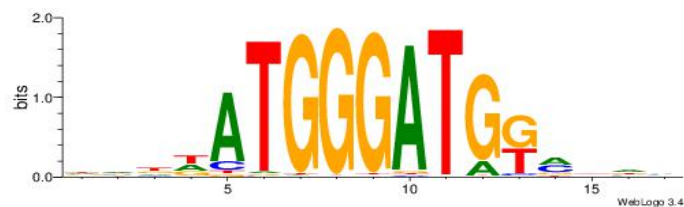
Motif ID: [UP00033](#)
 Motif name: Zfp410_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10

Number of overlap: 5
Similarity score: 0.0150044

Alignment:
DVDDATGGGATGKMDDV
-----ATKTM---

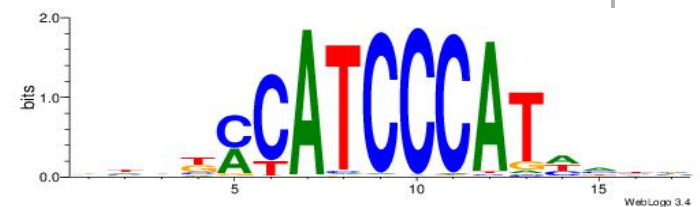
Original motif

Consensus sequence: DVDDATGGGATGKMDDV



Reverse complement motif

Consensus sequence: BDDYYCATCCCATDDBD



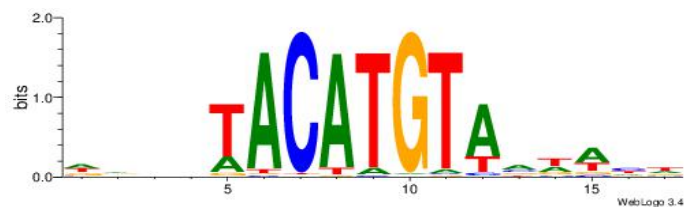
Motif ID: [UP00223](#)
Motif name: Irx3_0920.1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 5
Similarity score: 0.0150192

Alignment:
DDDDTACATGTAVWWHD
-----ATKTM-----

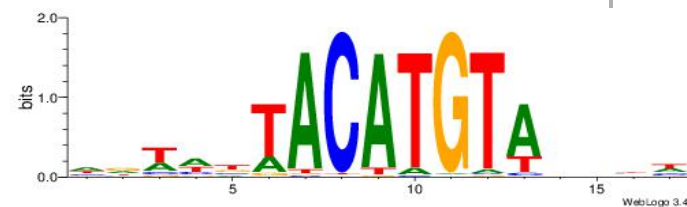
Original motif

Reverse complement motif

Consensus sequence: DDDDTACATGTAVVWHD



Consensus sequence: DDWWBTACATGTADDDD



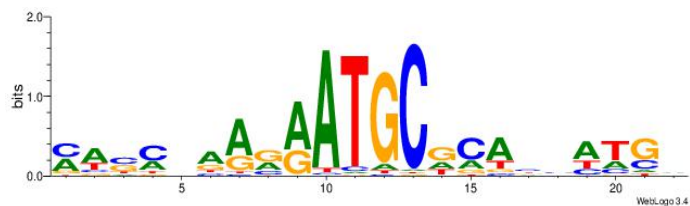
Motif ID: [UP00528](#)
Motif name: Foxm1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 12
Number of overlap: 5
Similarity score: 0.0166075

Alignment:

```
MWSMBAARRATGCD CABHATGD  
-----RARAT-----
```

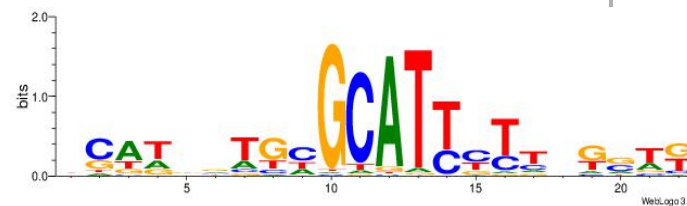
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Dataset #: 2 **Motif ID: 22** **Motif name: Motif 22**

Original motif

Consensus sequence: CMGCRGC



Reverse complement motif

Consensus sequence: GCKGCTG



Best Matches for Motif ID 22 (Highest to Lowest)

Motif ID:	UP00052
Motif name:	Osr2_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	7
Similarity score:	0

Alignment:

HHHHGCTACKGTHVHH

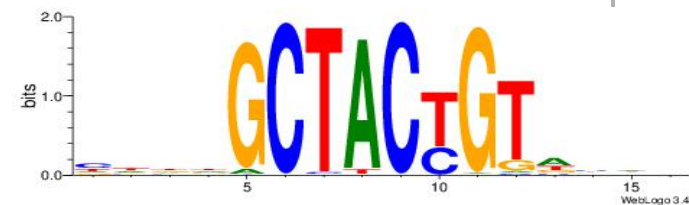
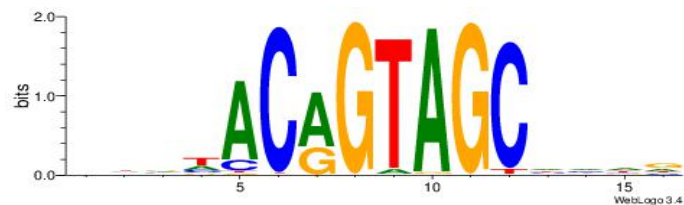
-----GCKGCTG-----

Original motif

Consensus sequence: HHVHACRGTAGCHHHD

Reverse complement motif

Consensus sequence: HHHHGCTACKGTHVHH

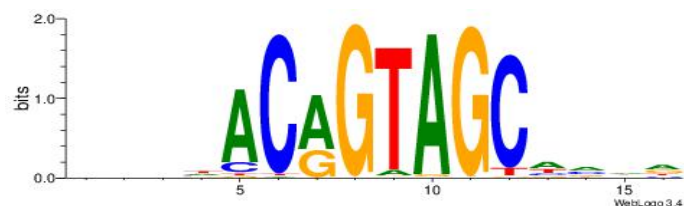


Motif ID: [UP00027](#)
 Motif name: Osr1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 7
 Similarity score: 0.00108105

Alignment:
 DHBHGCTACKGTHDHH
 ----GCKGCG-----

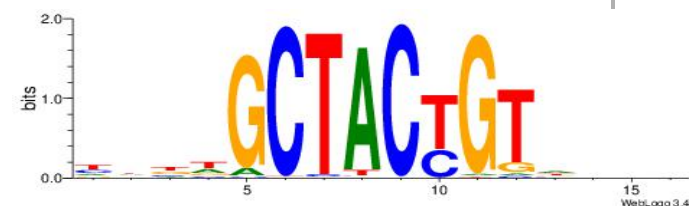
Original motif

Consensus sequence: HHDHACRGTAGCHVHD



Reverse complement motif

Consensus sequence: DHBHGCTACKGTHDHH



Motif ID: [UP00099](#)

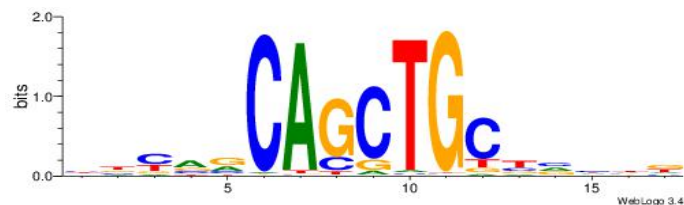
Motif name: Ascl2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 7
 Similarity score: 0.00905497

Alignment:

BBYVVCAGCTGCBVHHD
 -----GCKGCGY---

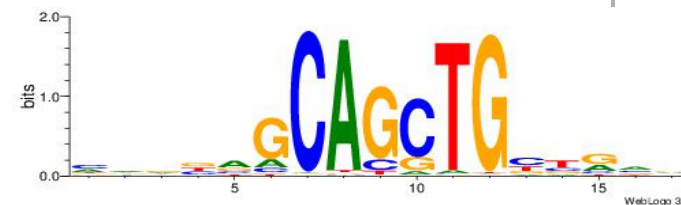
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HHDVVCAGCTGVBKVB



Motif ID: [UP00102](#)
 Motif name: Zic1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 7

Similarity score: 0.0111061

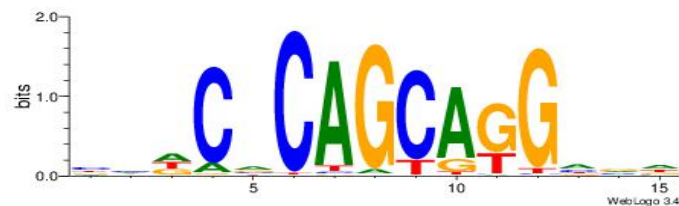
Alignment:

BHDCVCAGCAGGHVD

-----CMGCRGC----

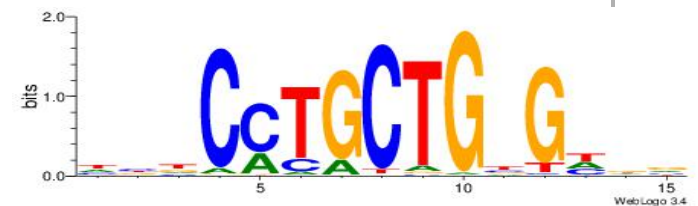
Original motif

Consensus sequence: BHDCVCAGCAGGHVD



Reverse complement motif

Consensus sequence: DVHCCTGCTGBGDDDB



Motif ID: [UP00057](#)
Motif name: Zic2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 7
Similarity score: 0.0126897

Alignment:

HHDCVCAGCAKGVVD

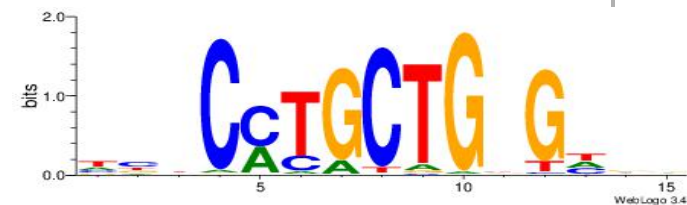
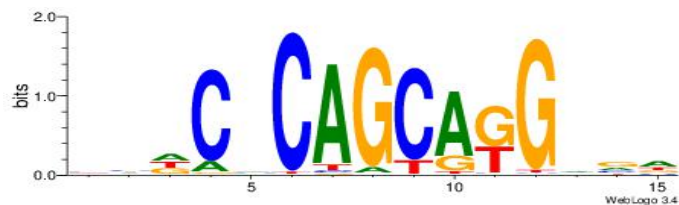
-----CMGCRGC----

Original motif

Consensus sequence: HHDCVCAGCAKGVVD

Reverse complement motif

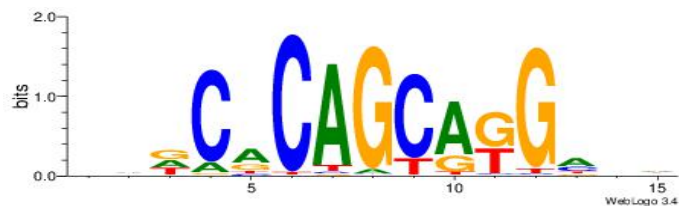
Consensus sequence: DVBCYTGCTGBGDDD



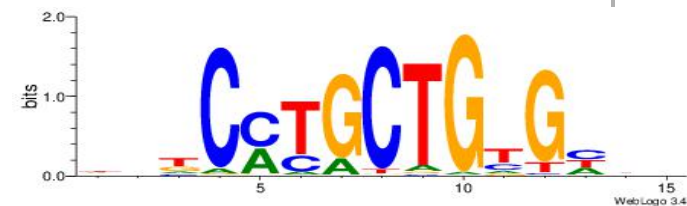
Motif ID: [UP00006](#)
 Motif name: Zic3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 7
 Similarity score: 0.0137402

Alignment:
 DVHCYTGCTGTGHDH
 ---GCKGCG-----

Original motif
 Consensus sequence: DDDCACAGCAKGHVD



Reverse complement motif
 Consensus sequence: DVHCYTGCTGTGHDH



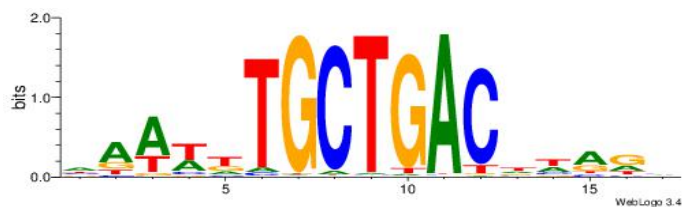
Motif ID: [UP00045](#)
 Motif name: Mafb_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 7
 Similarity score: 0.0253076

Alignment:

DMTWDGTCAGCADWTTH
 -----CMGCRGC----

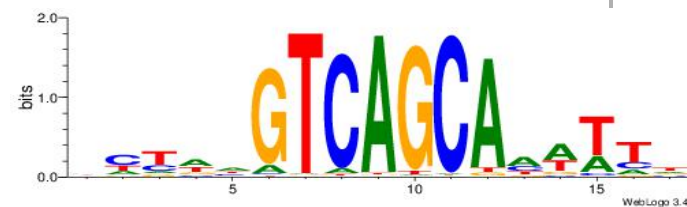
Original motif

Consensus sequence: HAAWDTGCTGACDWARH



Reverse complement motif

Consensus sequence: DMTWDGTCAGCADWTTH



Motif ID: [UP00193](#)
 Motif name: Rhox11_1765.2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9

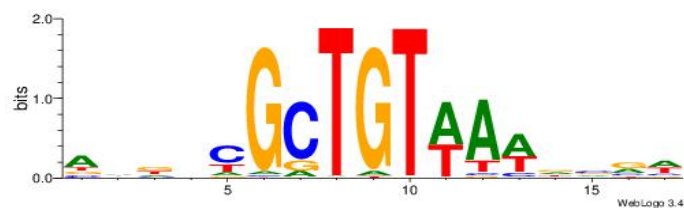
Number of overlap: 7
Similarity score: 0.0292668

Alignment:

WVHWTWACAGCGBHBT
-----CMGCRGC--

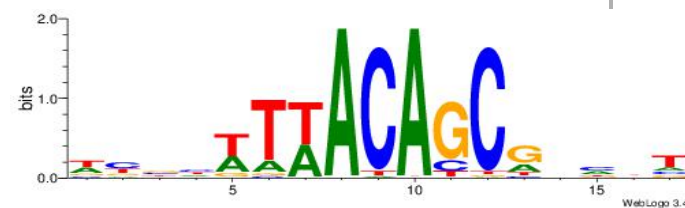
Original motif

Consensus sequence: AVDVCGCTGTWAWDVVW



Reverse complement motif

Consensus sequence: WVHWTWACAGCGBHBT



Motif ID: [UP00193](#)
Motif name: Rhox11_2205.1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 7
Similarity score: 0.0298083

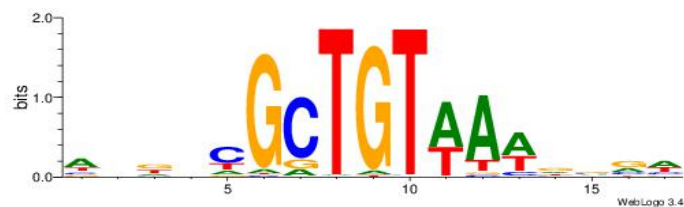
Alignment:

WVHWTWACAGCGHHVT
-----CMGCRGC--

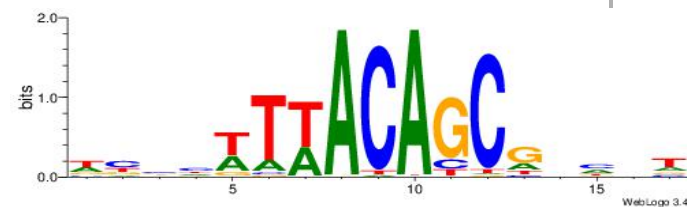
Original motif

Reverse complement motif

Consensus sequence: AVDHCGCTGTWAWDVVW



Consensus sequence: WVVHWTWACAGCGHHVT

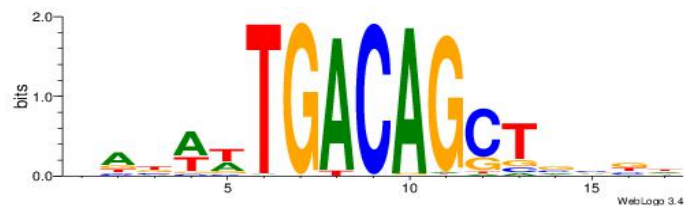


Motif ID: [UP00122](#)
Motif name: Tgif1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 7
Similarity score: 0.0332976

Alignment:
DABWWTGACAGCTVVBD
-----CMGCRGC---

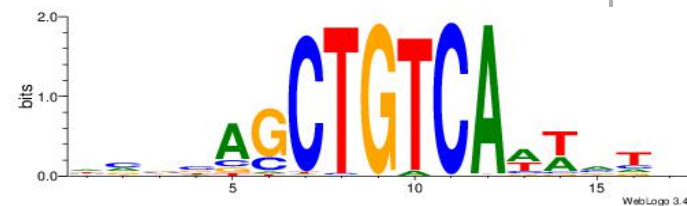
Original motif

Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



Dataset #: 2 **Motif ID: 23** **Motif name: Motif 23**

Original motif

Consensus sequence: CCCRCCCC



Reverse complement motif

Consensus sequence: GGGGMGGG



Best Matches for Motif ID 23 (Highest to Lowest)

Motif ID: [UP00093](#)
Motif name: Klf7_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0

Alignment:

DHHDGGGCGRGGKHBH

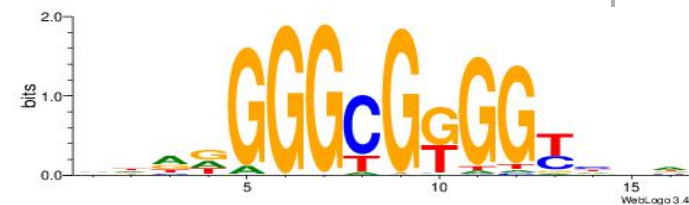
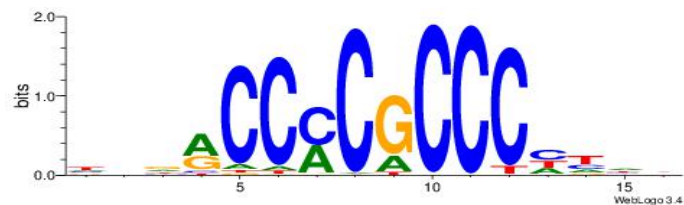
---GGGGMGGG-----

Original motif

Consensus sequence: HBDRCMCGCCCHHHD

Reverse complement motif

Consensus sequence: DHHDGGGCGRGGKHBH

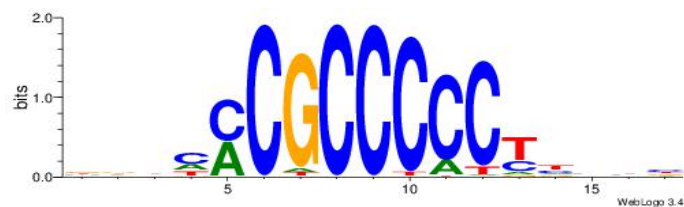


Motif ID: [UP00002](#)
 Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 8
 Similarity score: 0.00490878

Alignment:
 BVVHAGGGGGCGRDHBB
 -----GGGGMGGG----

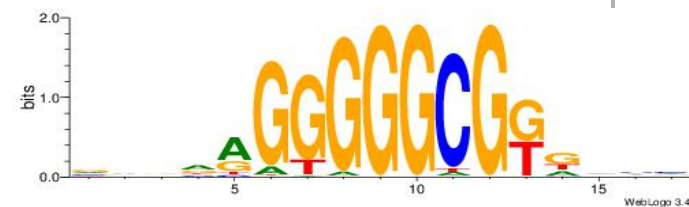
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHBB



Motif ID: [UP00007](#)

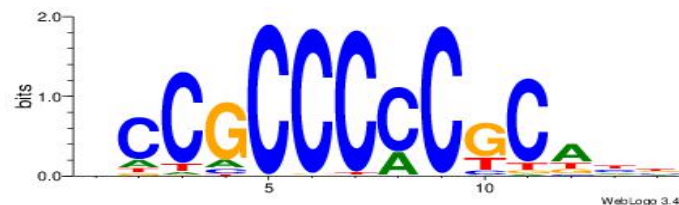
Motif name: Egr1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.0101441

Alignment:

HCCGCCCCCGCAHB
 CCCRCCCC-----

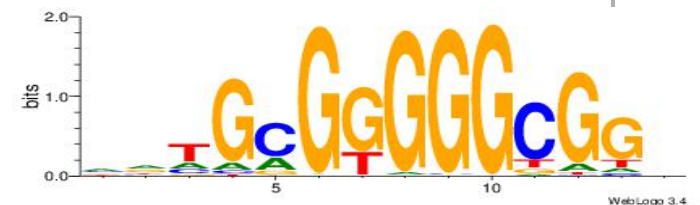
Original motif

Consensus sequence: HCCGCCCCCGCAHB



Reverse complement motif

Consensus sequence: VHTGCGGGGGCGGH

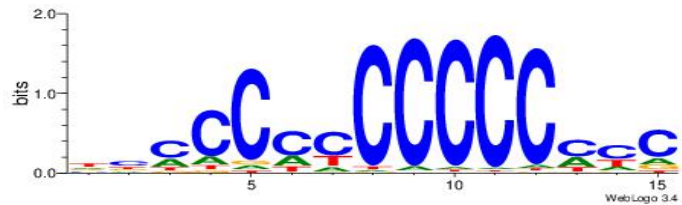


Motif ID: [UP00021](#)
 Motif name: Zfp281_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 8

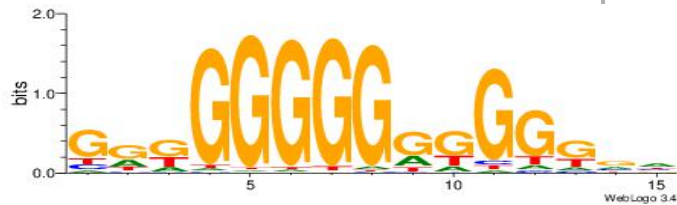
Similarity score: 0.0106908

Alignment:
DBCCCCCCCCCMYC
---CCCRCCCC----

Original motif
Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif
Consensus sequence: GKRGGGGGGGGGGBD

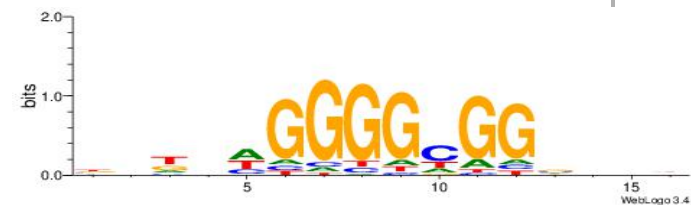
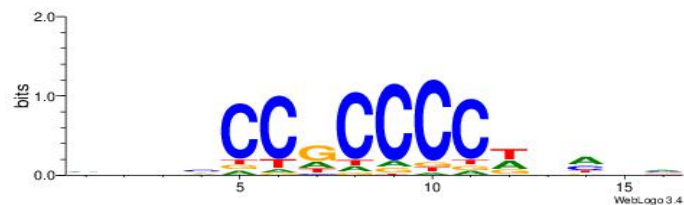


Motif ID: [UP00043](#)
Motif name: Bcl6b_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0.0152681

Alignment:
HBBBCCGCCCCWHHHV
---CCCRCCCC-----

Original motif
Consensus sequence: HBBBCCGCCCCWHHHV

Reverse complement motif
Consensus sequence: BHHHWGGGGCGGBBVH



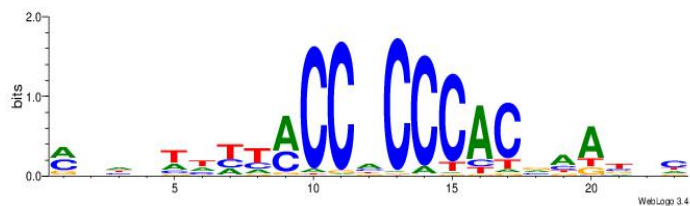
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 9
 Number of overlap: 8
 Similarity score: 0.0252184

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 -----CCCRCCCC-----

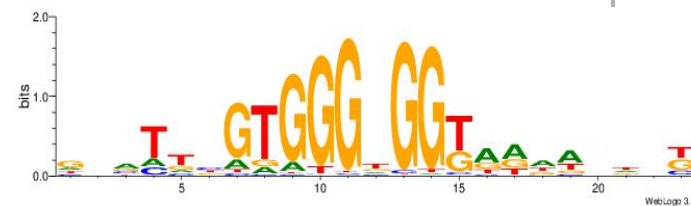
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



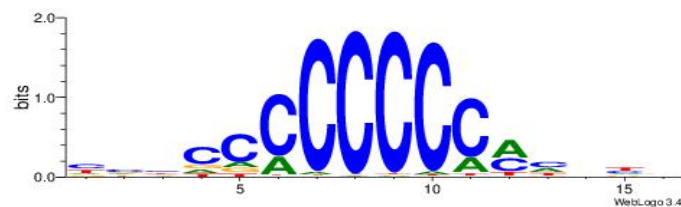
Motif ID: [UP00022](#)
 Motif name: Zfp740_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 8
 Similarity score: 0.0258528

Alignment:

HVBCCCCCCCCMHHHB
 --CCCRCCCC-----

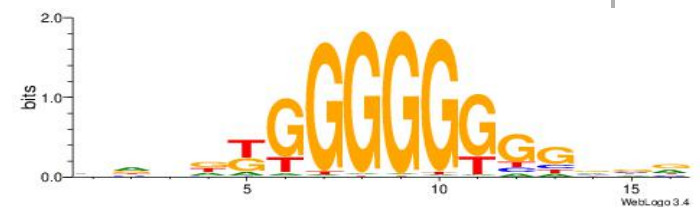
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGGBVD



Motif ID: [UP00007](#)
 Motif name: Egr1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6

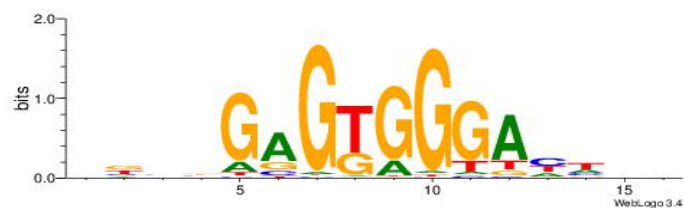
Number of overlap: 8
Similarity score: 0.0318239

Alignment:

BHHDTCCTCACTCBDBV
-----CCCRCCCC---

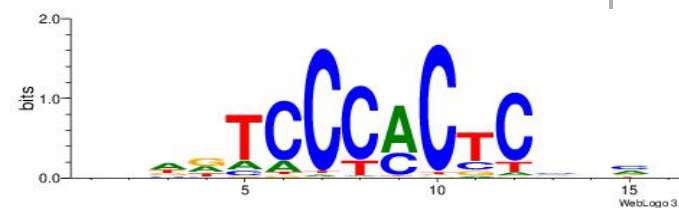
Original motif

Consensus sequence: BBHBGAGTGGGAHHDB



Reverse complement motif

Consensus sequence: BHHDTCCTCACTCBDBV



Motif ID: [UP00538](#)
Motif name: Gli1_v016060_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 8
Number of overlap: 8
Similarity score: 0.0333599

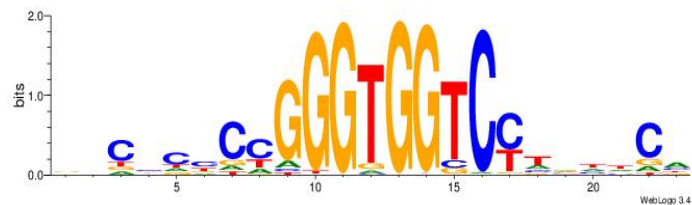
Alignment:

HGDHVHKGACCAACCGGBGBGDB
-----CCCRCCCC-----

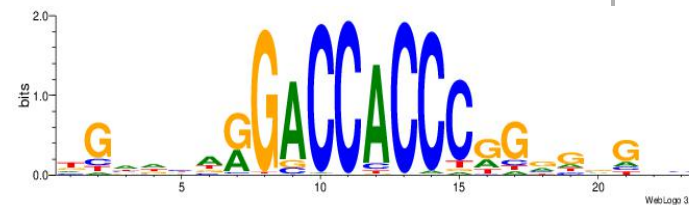
Original motif

Reverse complement motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



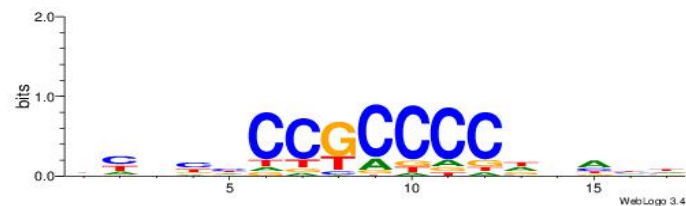
Motif ID: [UP00033](#)
Motif name: Zfp410_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 8
Similarity score: 0.0336185

Alignment:

HHHHDGGGGCGGDBHDV
-----GGGGMGG-----

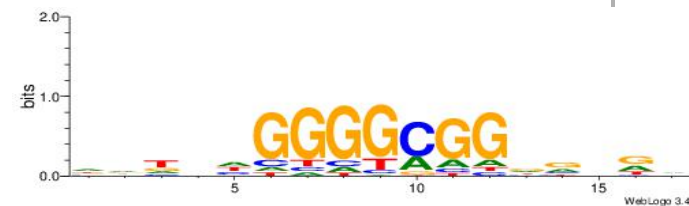
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



Dataset #: 2 **Motif ID: 24** **Motif name: Motif 24**

Original motif

Consensus sequence: CTGGGA



Reverse complement motif

Consensus sequence: TCCCAG



Best Matches for Motif ID 24 (Highest to Lowest)

Motif ID:	UP00033
Motif name:	Zfp410_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	8
Number of overlap:	6
Similarity score:	0

Alignment:

DVDDATGGGATGKMDDV

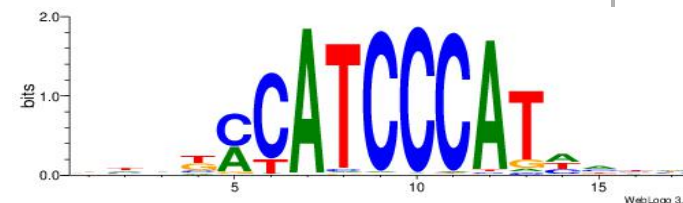
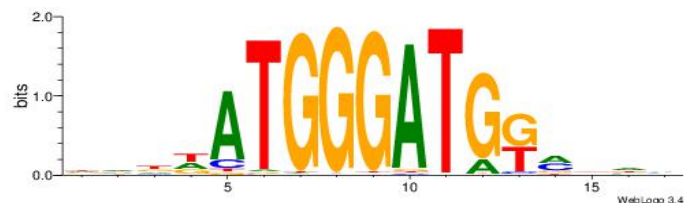
-----CTGGGA-----

Original motif

Consensus sequence: DVDDATGGGATGKMDDV

Reverse complement motif

Consensus sequence: BDDYYCATCCCATDDBD

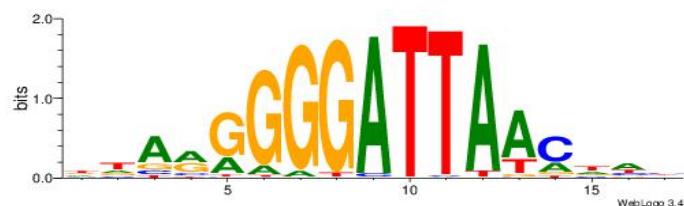


Motif ID: [UP00216](#)
 Motif name: Obox1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 6
 Similarity score: 0.000600574

Alignment:
 DHDGTTAATCCCCKTDD
 -----TCCCAG----

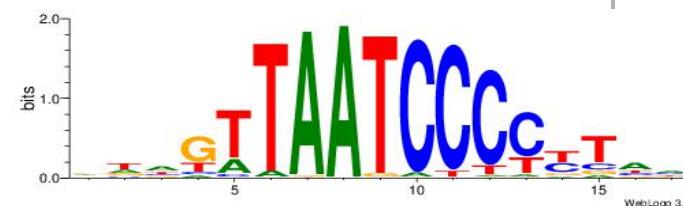
Original motif

Consensus sequence: DDARGGGGATTAACDHH



Reverse complement motif

Consensus sequence: DHDGTTAATCCCCKTDD



Motif ID: [UP00229](#)

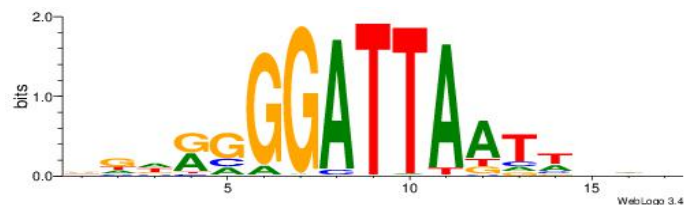
Motif name: Otx1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 10
 Number of overlap: 6
 Similarity score: 0.0140775

Alignment:

VHHWATTAATCCCMDHH
 -----TCCCAG--

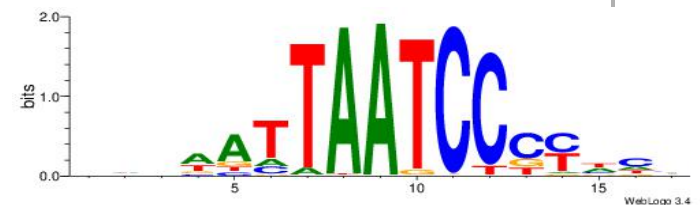
Original motif

Consensus sequence: DDRGGGATTAATWHHB



Reverse complement motif

Consensus sequence: VHHWATTAATCCCMDHH



Motif ID: [UP00160](#)
 Motif name: Obox3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 6

Similarity score: 0.0142192

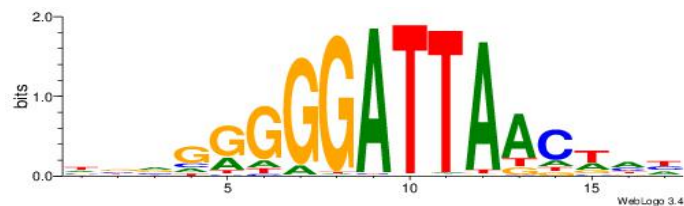
Alignment:

HHWGTTAATCCCCBBH

-----TCCCAG----

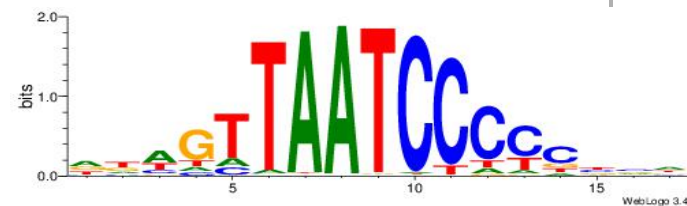
Original motif

Consensus sequence: HBVGGGGGATTAACWHH



Reverse complement motif

Consensus sequence: HHWGTTAATCCCCBBH



Motif ID: [UP00239](#)

Motif name: Obox2

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Reverse Complement

Direction: Backward

Position number: 4

Number of overlap: 6

Similarity score: 0.0184594

Alignment:

HTARTTAATCCCCCKBD

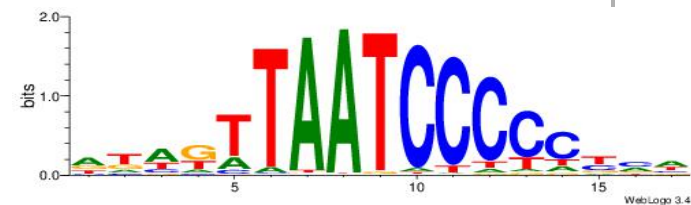
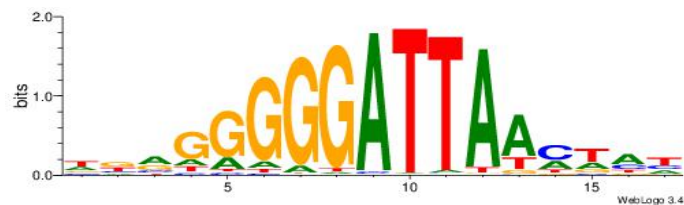
-----TCCCAG----

Original motif

Consensus sequence: DBRGGGGGATTAAMTAH

Reverse complement motif

Consensus sequence: HTARTTAATCCCCCKBD



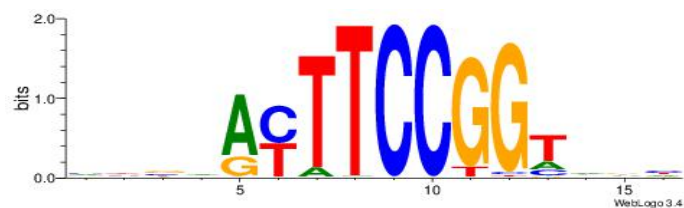
Motif ID: [UP00416](#)
 Motif name: Fli1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0.018604

Alignment:

DHDACCGGAAKTBBVV
 ----CTGGGA-----

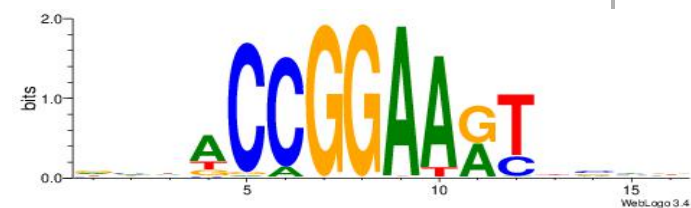
Original motif

Consensus sequence: VBBVAYTTCCGGTDDH



Reverse complement motif

Consensus sequence: DHDACCGGAAKTBBVV



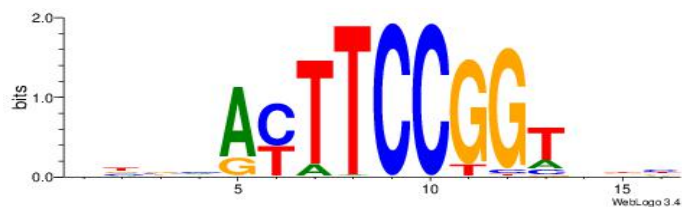
Motif ID: [UP00411](#)
 Motif name: Erg
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0.0196433

Alignment:

BDDACCGGAAKTVBVB
 -----CTGGGA-----

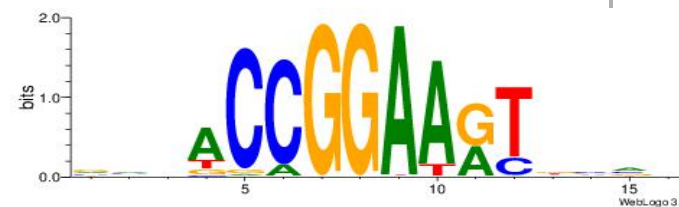
Original motif

Consensus sequence: VBBVAYTTCCGGTDDDB



Reverse complement motif

Consensus sequence: BDDACCGGAAKTVBVB



Motif ID: [UP00413](#)
 Motif name: Elf4
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5

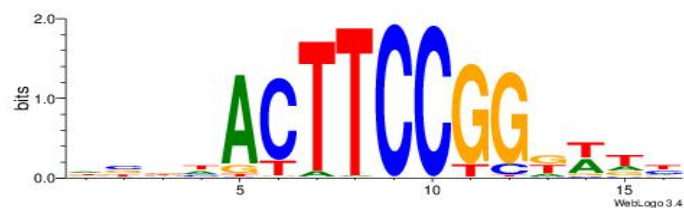
Number of overlap: 6
Similarity score: 0.0196806

Alignment:

HAWYCCGGAAGTHBBD
-----CTGGGA-----

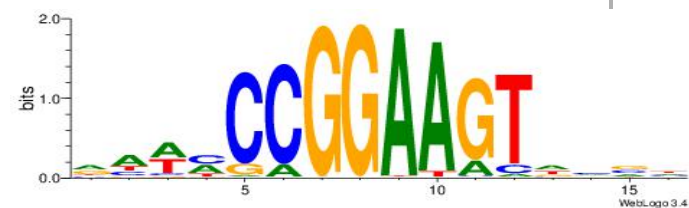
Original motif

Consensus sequence: DBBHACTTCCGGKWITH



Reverse complement motif

Consensus sequence: HAWYCCGGAAGTHBBD



Motif ID: [UP00143](#)
Motif name: Dobox5
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 10
Number of overlap: 6
Similarity score: 0.0199632

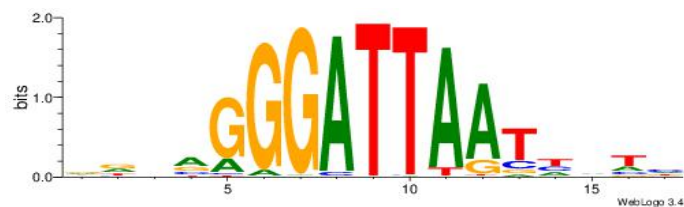
Alignment:

DDHVGGGATTAATHDTH
--CTGGGA-----

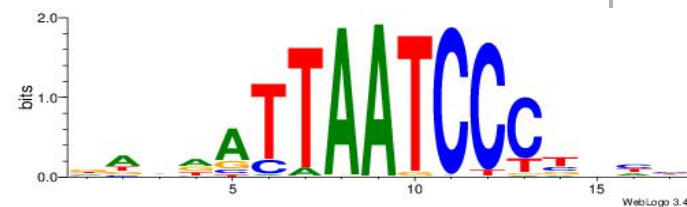
Original motif

Reverse complement motif

Consensus sequence: DDHVGGGATTAATHDTH



Consensus sequence: DADHATTAATCCCBHHH



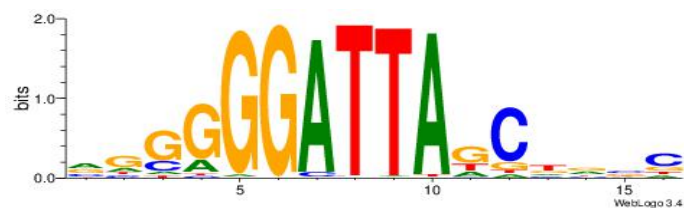
Motif ID: [UP00265](#)
Motif name: Pitx3
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 10
Number of overlap: 6
Similarity score: 0.0210625

Alignment:

GBHDGCTAATCCCCCB
-----TCCCAG--

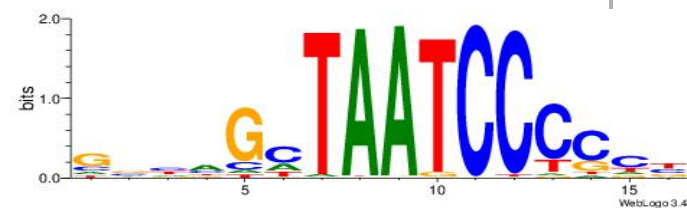
Original motif

Consensus sequence: VGGGGGATTAGCDDBC



Reverse complement motif

Consensus sequence: GBHDGCTAATCCCCCB



Dataset #: 2 **Motif ID: 25** **Motif name: Motif 25**

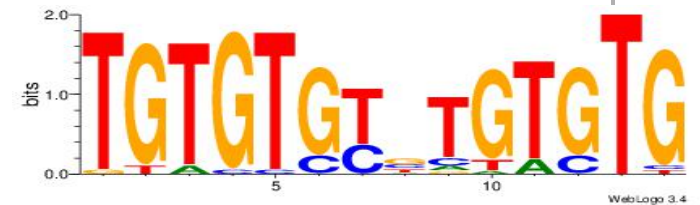
Original motif

Consensus sequence: CACACAVRCACACA



Reverse complement motif

Consensus sequence: TGTGTGKVTGTGTG



Best Matches for Motif ID 25 (Highest to Lowest)

Motif ID:	UP00540
Motif name:	Gli3_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	9
Number of overlap:	14
Similarity score:	0.0487588

Alignment:

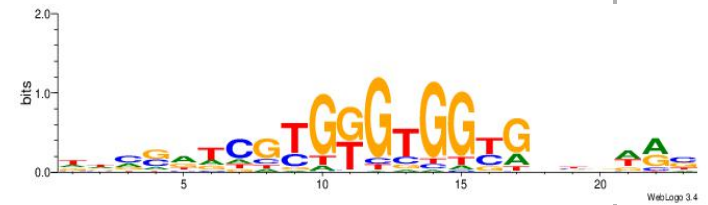
```
VYWVVHCRCCACMCACGAHSBHH
-CACACAVRCACACA-----
```

Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

Reverse complement motif

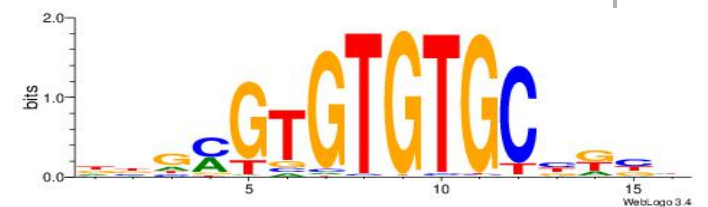
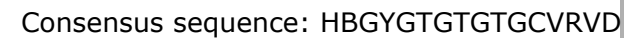
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Alignment:

```
HBGYGTGTGTGCVRVD
-TGTGTGKVTGTGTG-
```

Consensus sequence: DVMVGCACACACKCVH



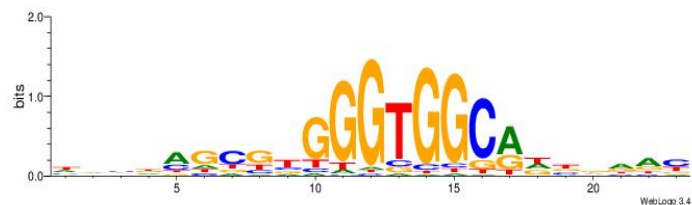
Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 10
 Number of overlap: 14
 Similarity score: 0.0503392

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
 TGTGTGKVTGTGTG-----

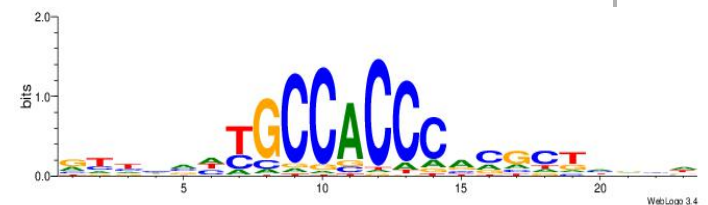
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14

Similarity score: 0.0506792

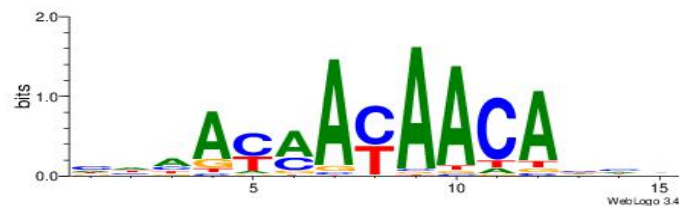
Alignment:

HDDTGTTKTTKTHHD

-TGTGTGKVTGTGTG

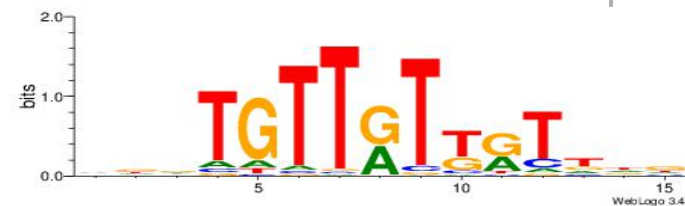
Original motif

Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



Motif ID: [UP00036](#)
Motif name: Myf6_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 14
Similarity score: 0.0516113

Alignment:

VVVRACAGVCBCDCC

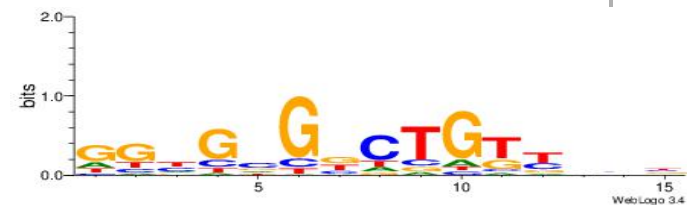
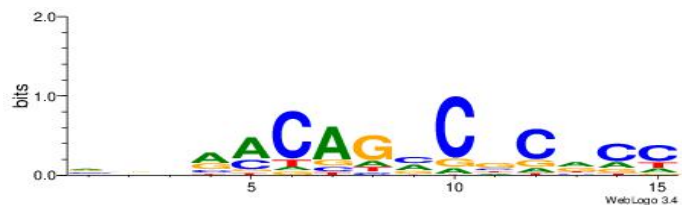
-CACACAVRCACACA

Original motif

Consensus sequence: VVVRACAGVCBCDCC

Reverse complement motif

Consensus sequence: GGDGBGVCTGTVVB



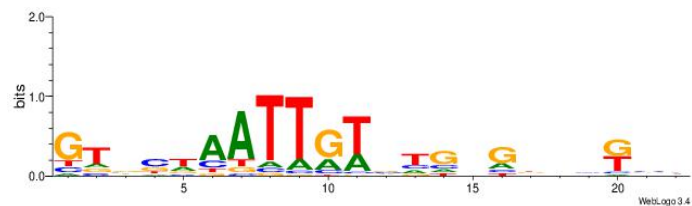
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0523703

Alignment:

VVYDDDCHCAVACAATTDBVAC
 CACACAVRCACACA-----

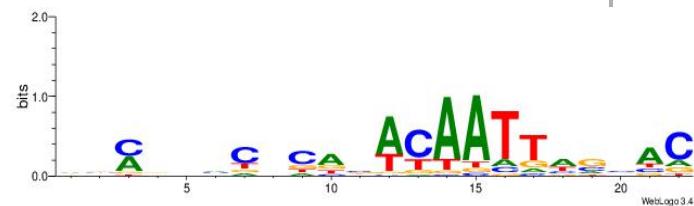
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



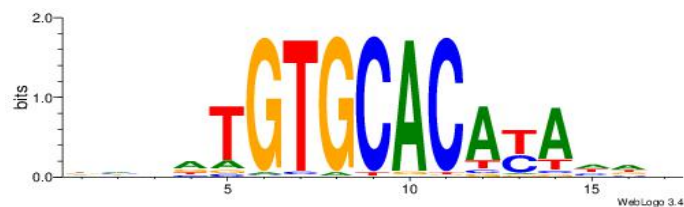
Motif ID: [UP00026](#)
 Motif name: Zscan4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0557355

Alignment:

DHVDTGTGCACAYAHDH
 CACACAVRCACACA---

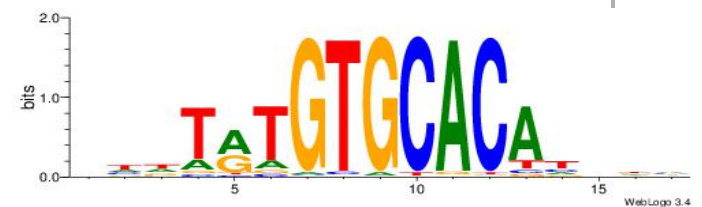
Original motif

Consensus sequence: DHVDTGTGCACAYAHDH



Reverse complement motif

Consensus sequence: HDHTMTGTGCACADVHD



Motif ID: [UP00526](#)
 Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2

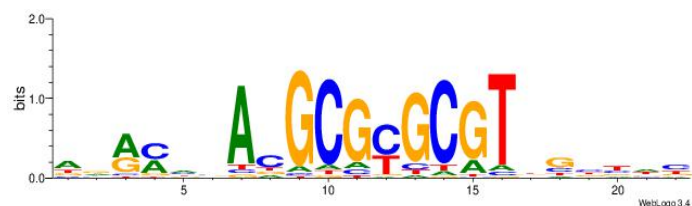
Number of overlap: 14
Similarity score: 0.0578572

Alignment:

DDRMHBACGCGYGCGTDGBBDB
-CACACAVRCACACA-----

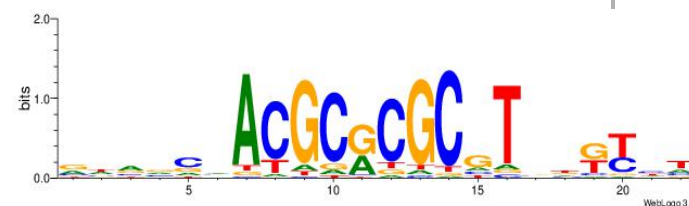
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



Motif ID: [UP00400](#)
Motif name: Zif268
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 14
Similarity score: 0.0580046

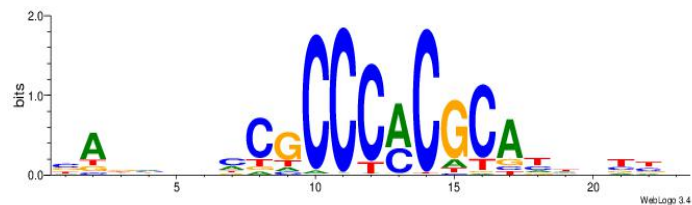
Alignment:

VVVDHHTGCGYGGGCGDHVHHTB
-----TGTGTGKVTGTGTG---

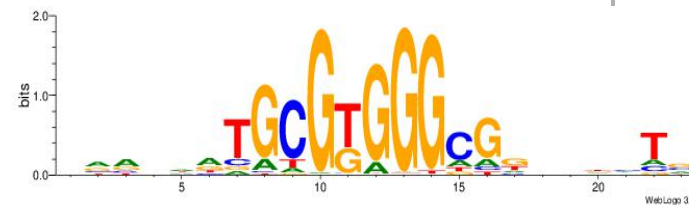
Original motif

Reverse complement motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV



Consensus sequence: VVVDHHTGCGYGGGCGDHVHHTB



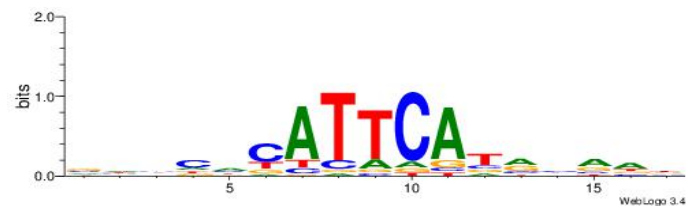
Motif ID: [UP00014](#)
Motif name: Sox17_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0581238

Alignment:

DDBDKATGAATGHDBHV
--TGTGTGKVTGTGTG--

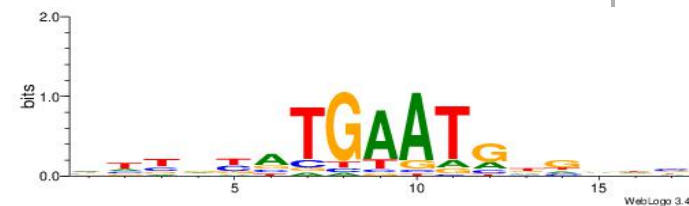
Original motif

Consensus sequence: VHBHHCATTCATRHVDD



Reverse complement motif

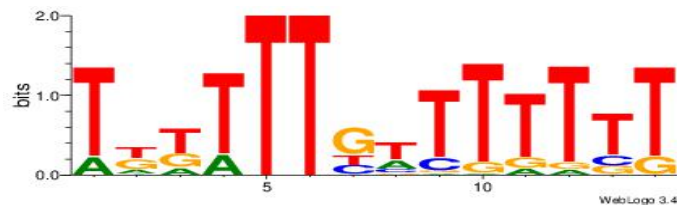
Consensus sequence: DDBDKATGAATGHDBHV



Dataset #: 2 **Motif ID: 26** **Motif name: Motif 26**

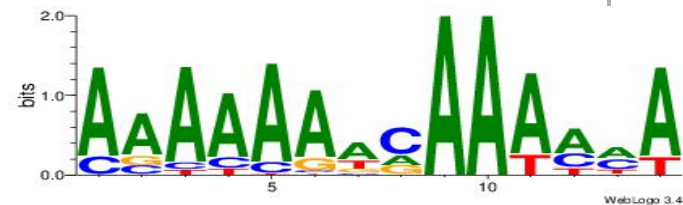
Original motif

Consensus sequence: TKKTTTGTTTTTTT



Reverse complement motif

Consensus sequence: AAAAAACAAARRA



Best Matches for Motif ID 26 (Highest to Lowest)

Motif ID:	UP00061
Motif name:	Foxl1_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	14
Similarity score:	0.0319341

Alignment:

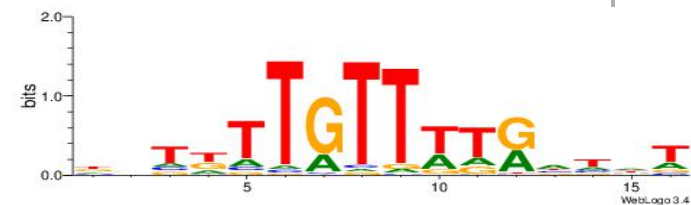
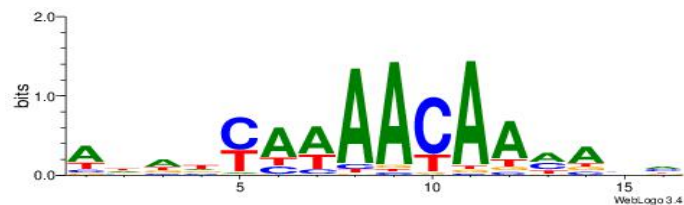
```
HDTYTTGTTWTKDDDT
TKKTTTGTTTTTTT--
```

Original motif

Consensus sequence: ADDDYAWAACAAMAHH

Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT

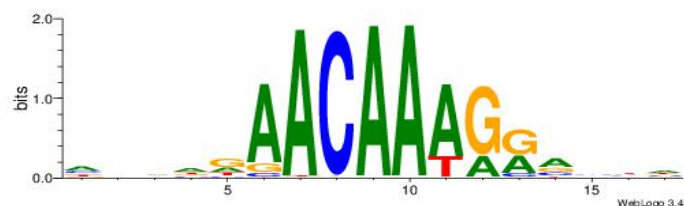


Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0368361

Alignment:
 HBDDDAACAAAGRVBHH
 AAAAAACAAARRA---

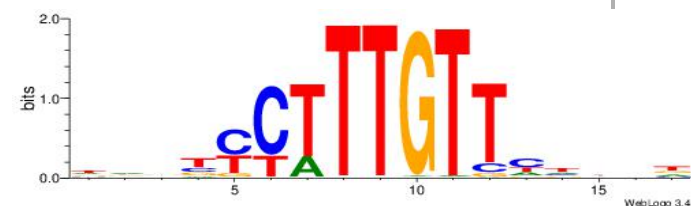
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH



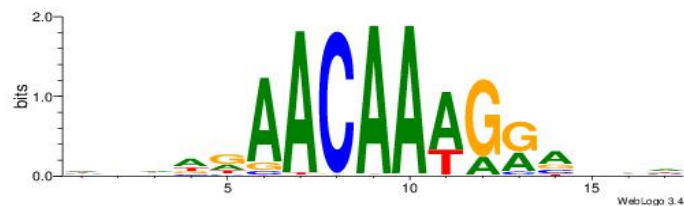
Motif ID: [UP00030](#)

Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0370295

Alignment:
 HBDDRAACAAAGRABHH
 AAAAAACAAARRA---

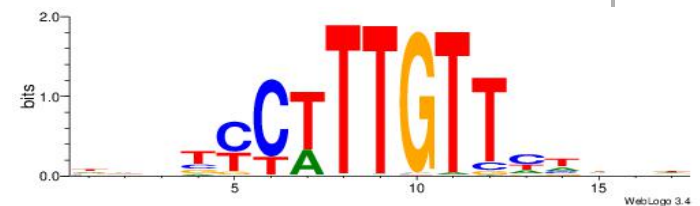
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



Motif ID: [UP00077](#)
 Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 14

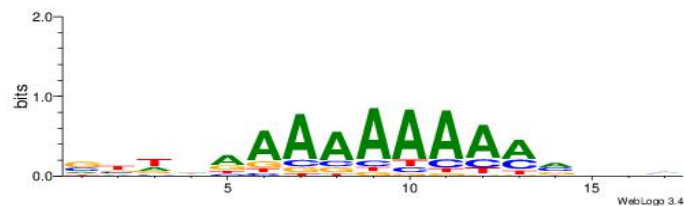
Similarity score: 0.038882

Alignment:

HHVBYTTTTTTTDDVV
-TKKTTTGTTTTTTT--

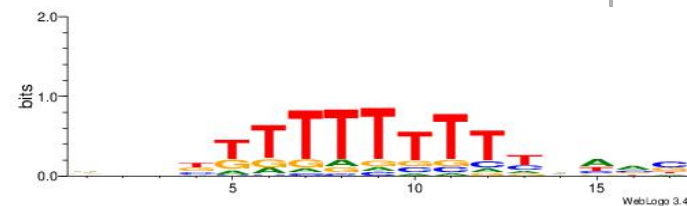
Original motif

Consensus sequence: VBDDAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTDDVV



Motif ID: [UP00101](#)
Motif name: Sox12_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0402601

Alignment:

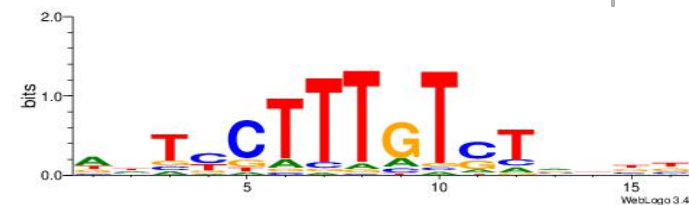
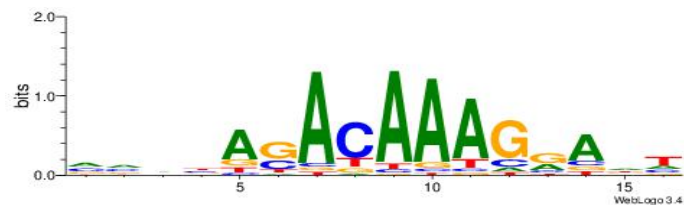
HDTMCTTTGTSTVDBB
AAAAAAACAAARRA--

Original motif

Consensus sequence: VVDBASACAAAGRADH

Reverse complement motif

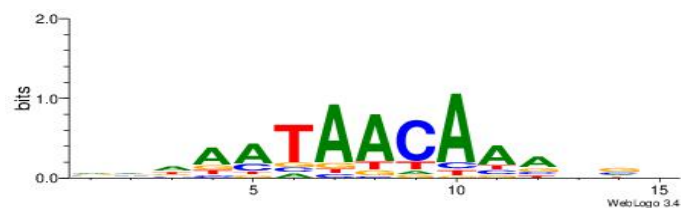
Consensus sequence: HDTMCTTTGTSTVDBB



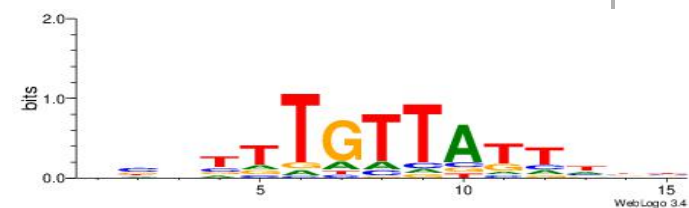
Motif ID: [UP00073](#)
 Motif name: Foxa2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0402844

Alignment:
 VVDAATAACAAAVVB
 -AAAAAACAARRA

Original motif
 Consensus sequence: VVDAATAACAAAVVB



Reverse complement motif
 Consensus sequence: BVVTTTGGTATTDBB



Motif ID: [UP00034](#)

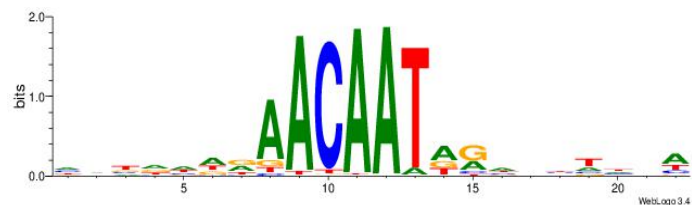
Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 14
 Similarity score: 0.0409353

Alignment:

HHBDHDDAACAATDRHHHHHBW
 --AAAAAAACAAARRA-----

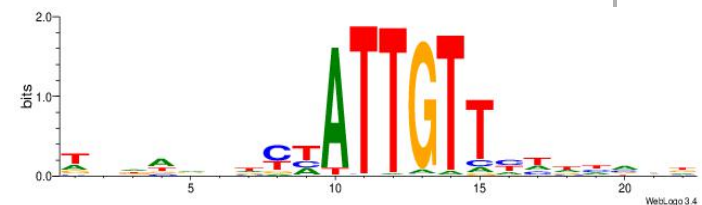
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



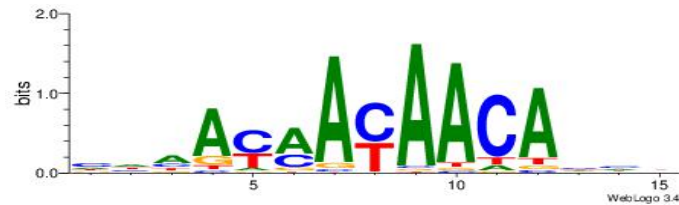
Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0416172

Alignment:

HHHAYAAACAHHH
-TKKTTTGT TTTTTT

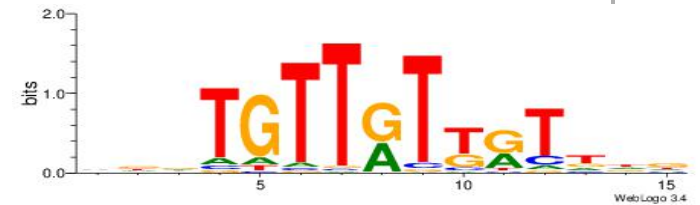
Original motif

Consensus sequence: HHHAYAAACAHHH



Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



Motif ID:	UP00039
Motif name:	Foxj3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	14
Similarity score:	0.0419017

Alignment:

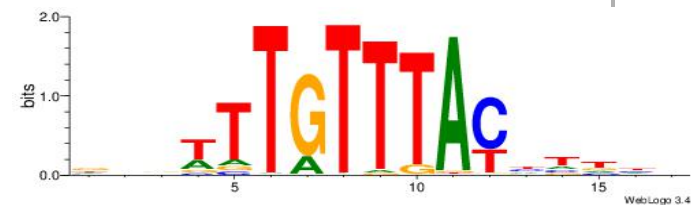
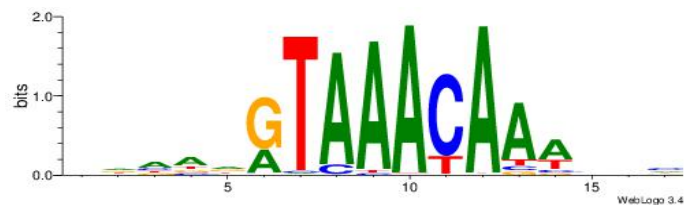
HDHADGTAAACAAAVVH
---AAAAAAACAAARRA

Original motif

Consensus sequence: HDHADGTAAACAAAVVH

Reverse complement motif

Consensus sequence: DVVTTTGT TTTACDTHDH

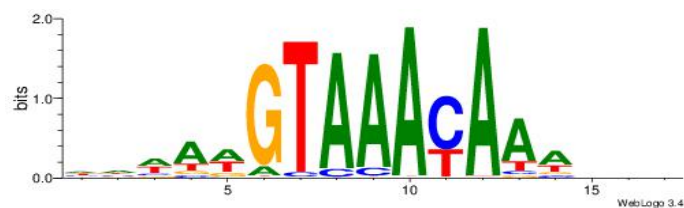


Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0439168

Alignment:
 HHWAWGTAAAYAAVDB
 ---AAAAAACAAARRA

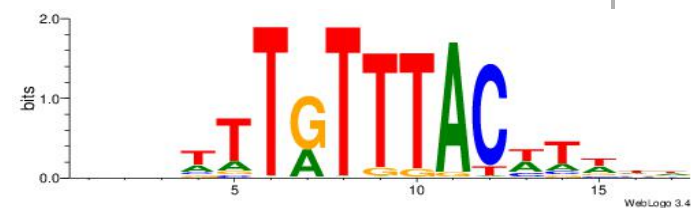
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

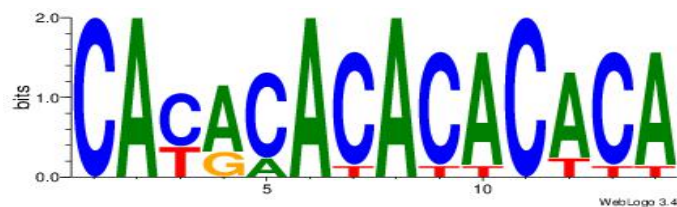
Consensus sequence: BDVTTTKTTTACWTWHH



Dataset #: 2 **Motif ID: 27** **Motif name: Motif 27**

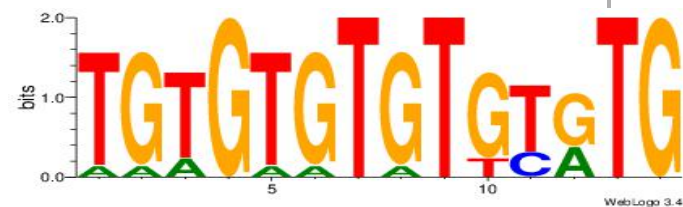
Original motif

Consensus sequence: CAYACACACACACA



Reverse complement motif

Consensus sequence: TGTGTGTGTGKTG



Best Matches for Motif ID 27 (Highest to Lowest)

Motif ID:	UP00042
Motif name:	Gm397_second
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	14
Similarity score:	0.0235042

Alignment:

DVMVGCACACACKCVH

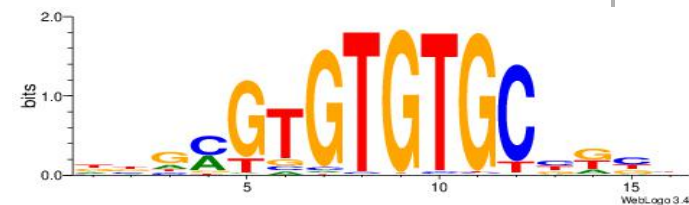
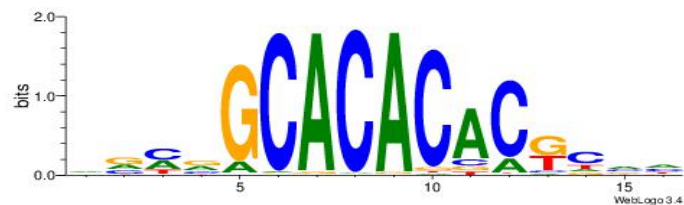
–CAYACACACACACA–

Original motif

Consensus sequence: DVMVGCACACACKCVH

Reverse complement motif

Consensus sequence: HBGYGTGTGTGCVRVD

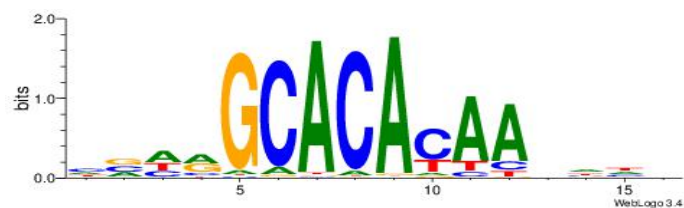


Motif ID: [UP00026](#)
 Motif name: Zscan4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0372612

Alignment:
 BHHHTTGTGTGCKHVD
 -TGTGTGTGTGKTG-

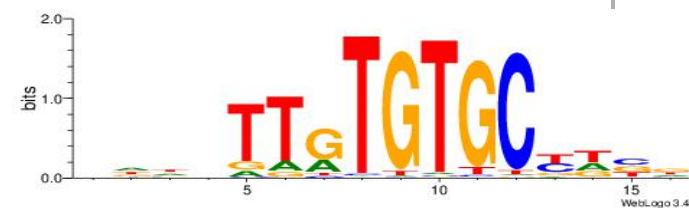
Original motif

Consensus sequence: HVHRGCACACAAHHHV



Reverse complement motif

Consensus sequence: BHHHTTGTGTGCKHVD



Motif ID: [UP00000](#)

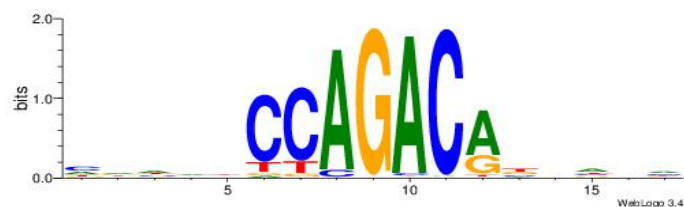
Motif name: Smad3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0446373

Alignment:

HVHBVTGTCTGGDDHDD
 ---TGTGTGTGTGKTG

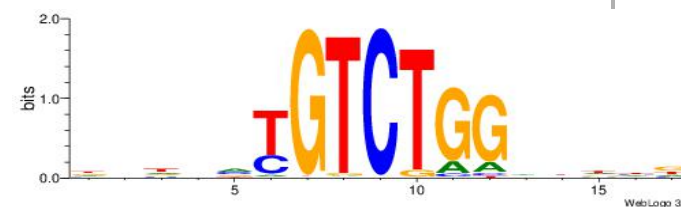
Original motif

Consensus sequence: HDHDDCCAGACABBHVH



Reverse complement motif

Consensus sequence: HVHBVTGTCTGGDDHDD



Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14

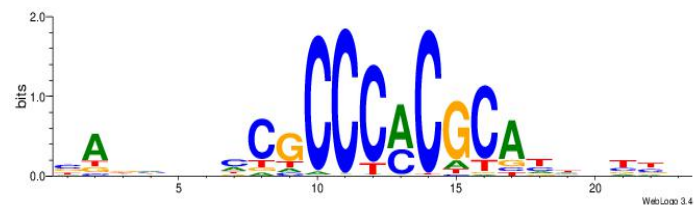
Similarity score: 0.0457169

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
---CAYACACACACA-----

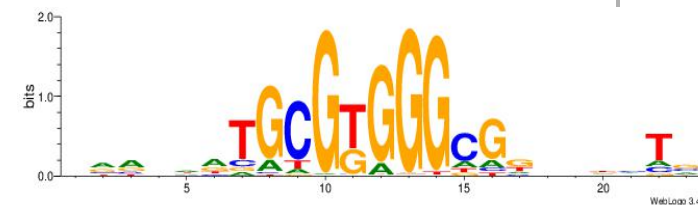
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



Motif ID: [UP00034](#)
Motif name: Sox7_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0477221

Alignment:

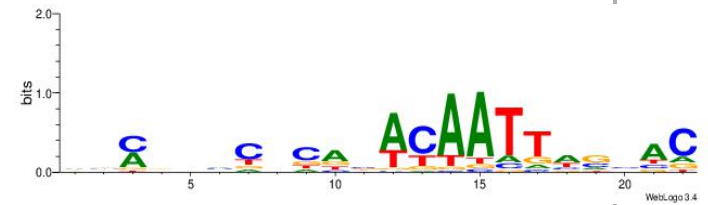
GTVBDAATTGTVTGHGDDHKVB
CAYACACACACACA-----

Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB

Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Alignment:

```
HDDTGTTKTTKTHHD
-TGTGTGTGTGKTG
```

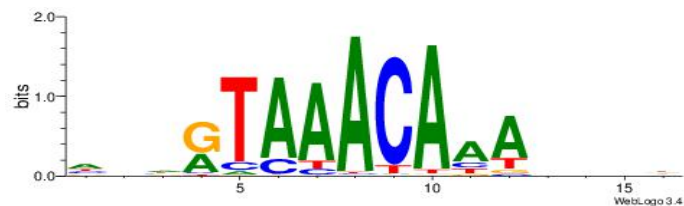
Motif name: Foxj1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0488633

Alignment:

HDHRTAAACAAHDDD
 CAYACACACACACA--

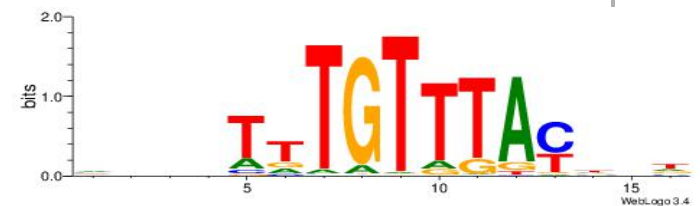
Original motif

Consensus sequence: HDHRTAAACAAHDDD



Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDDH



Motif ID: [UP00026](#)
 Motif name: Zscan4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14

Similarity score: 0.0489596

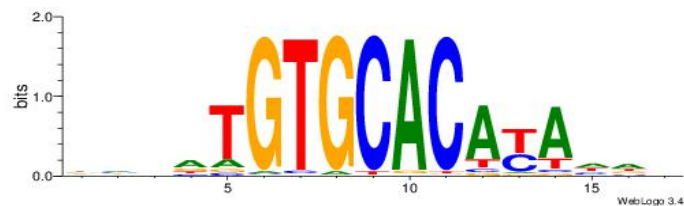
Alignment:

DHVDTGTGCACAYAHDH

--CAYACACACACACA--

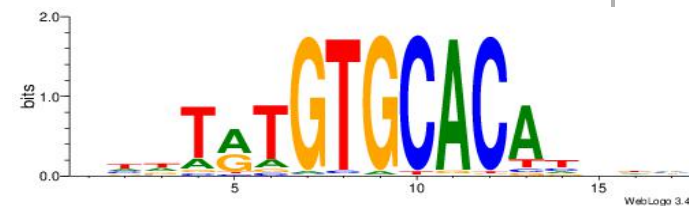
Original motif

Consensus sequence: DHVDTGTGCACAYAHDH



Reverse complement motif

Consensus sequence: HDHTMTGTGCACADVHD



Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 10
Number of overlap: 14
Similarity score: 0.0501133

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB

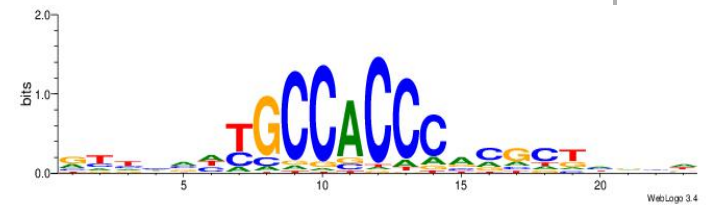
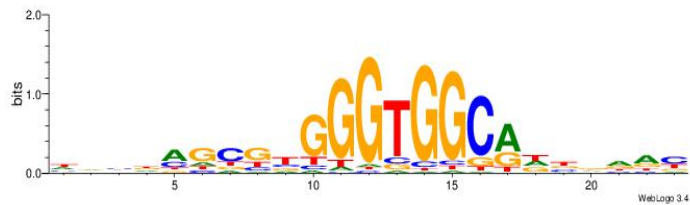
TGTGTGTGTGKTG-----

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

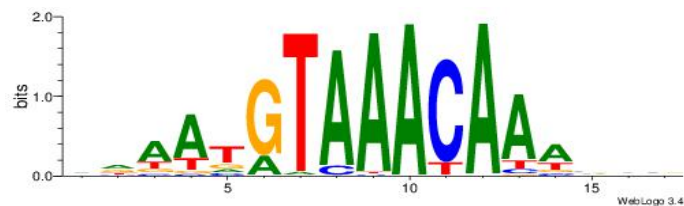
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



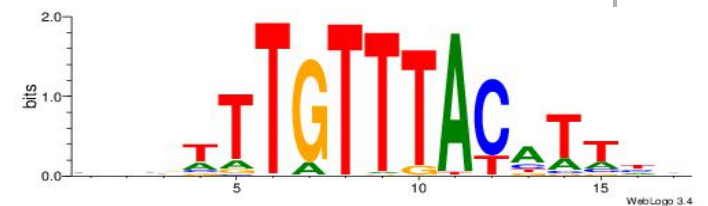
Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0518949

Alignment:
 DDAATGTAAACAAVVB
 --CAYACACACACA-

Original motif
 Consensus sequence: DDAATGTAAACAAVVB



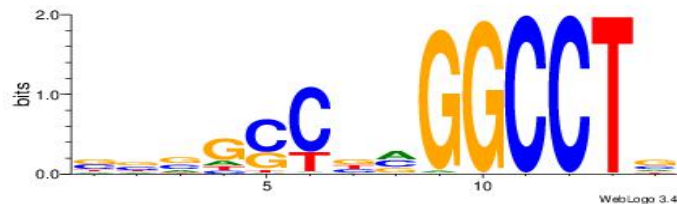
Reverse complement motif
 Consensus sequence: BBVTTTGTTCATTTDD



Dataset #: 3 **Motif ID: 28** **Motif name: Zfx**

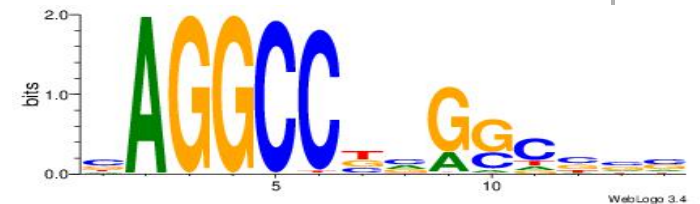
Original motif

Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif

Consensus sequence: VAGGCCBBGGCVBB



Best Matches for Motif ID 28 (Highest to Lowest)

Motif ID:	UP00005
Motif name:	Tcfap2a_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0596136

Alignment:

HHRCCBBWGGDCDB

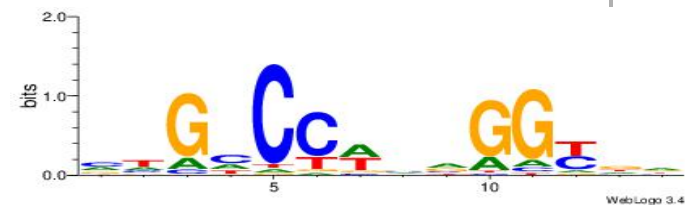
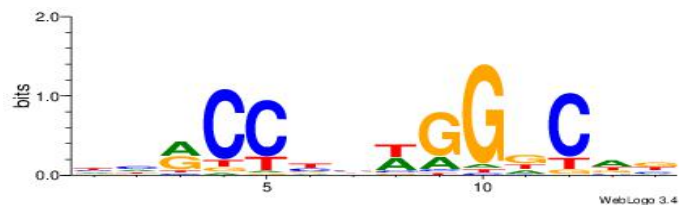
BBVGCCBVGGCCTV

Original motif

Consensus sequence: HHRCCBBWGGDCDB

Reverse complement motif

Consensus sequence: BDGHCCWBVGKDH



Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0603516

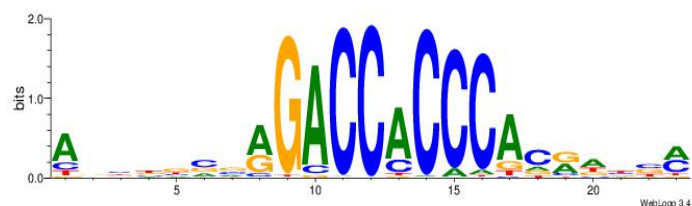
Alignment:

```

ABBBBVVRGACCACCCACRDBBM
BBVGCCBVGGCCTV-----
  
```

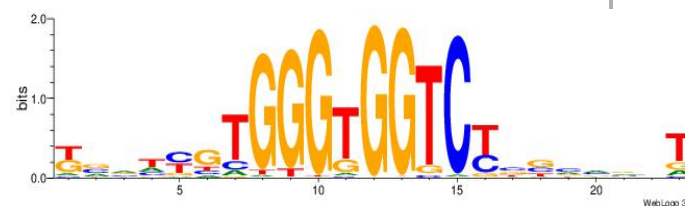
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMGTGGGTGGTCKVVBVBBT



Motif ID: [UP00002](#)

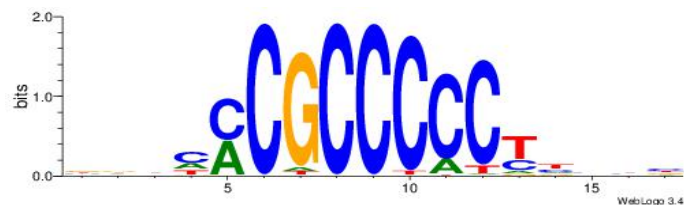
Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0604694

Alignment:

BDHMC GCCCCTHVBB
 ---VAGGCCBBGGCVBB

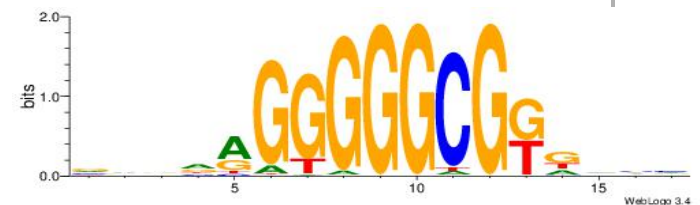
Original motif

Consensus sequence: BDHMC GCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



Motif ID: [UP00093](#)
 Motif name: Klf7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 14

Similarity score: 0.0606067

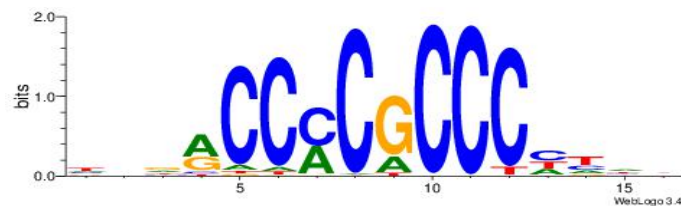
Alignment:

HBDRCMCGCCCHHD

BBVGCCBVGGCTV--

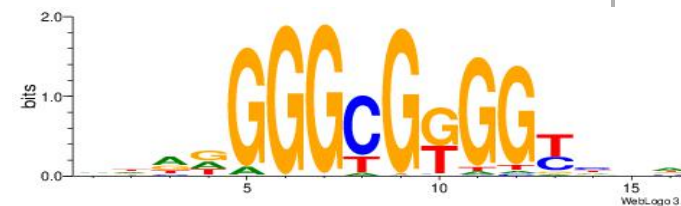
Original motif

Consensus sequence: HBDRCMCGCCCHHD



Reverse complement motif

Consensus sequence: DHHDGGGCGRGGKHBH



Motif ID: [UP00539](#)

Motif name: Gli2_v015681_secondary

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Forward

Position number: 9

Number of overlap: 14

Similarity score: 0.0606878

Alignment:

HVGVSAGGAGGGTCYHHHHYVH

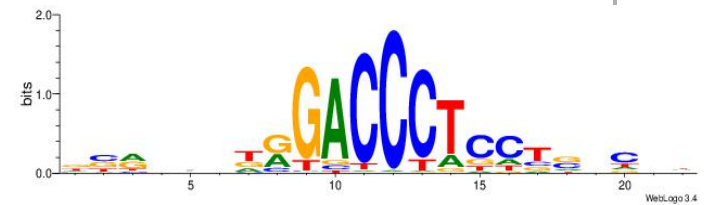
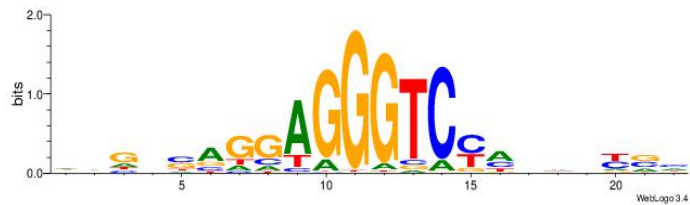
-----VAGGCCBBGGCVBB

Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH

Reverse complement motif

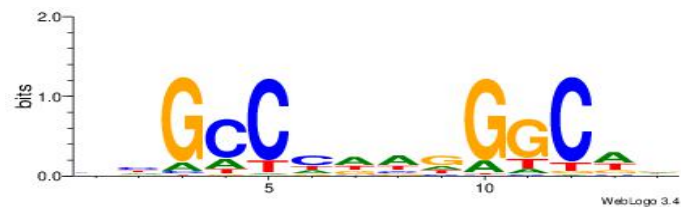
Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



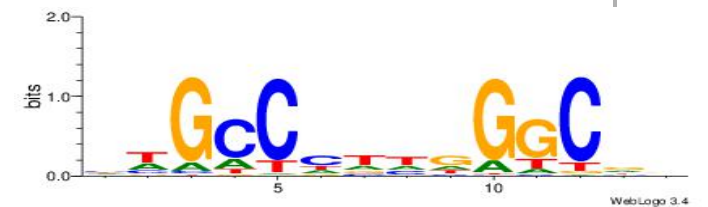
Motif ID: [UP00087](#)
 Motif name: Tcfap2c_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0608063

Alignment:
 HWGCCCTDGGGCDB
 VAGGCCBBGGCVBB

Original motif
 Consensus sequence: BHGCCCDAGGGCWD



Reverse complement motif
 Consensus sequence: HWGCCCTDGGGCDB



Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary

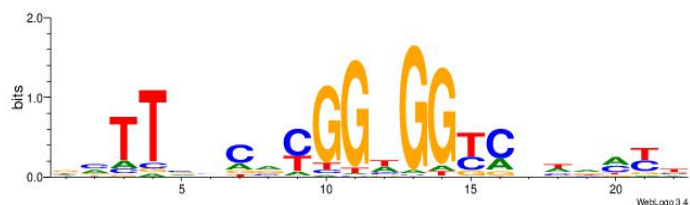
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 14
 Similarity score: 0.0615001

Alignment:

DVTTVVCVYGGHGGYCHHDMYB
 ----BBVGCCBVGGCCTV----

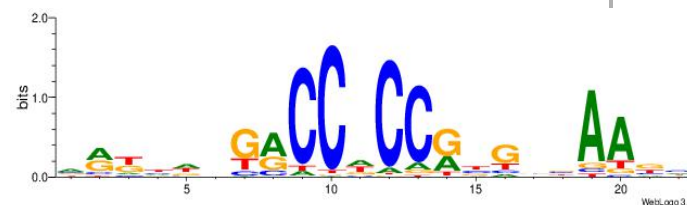
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCCKBGVVAHVH



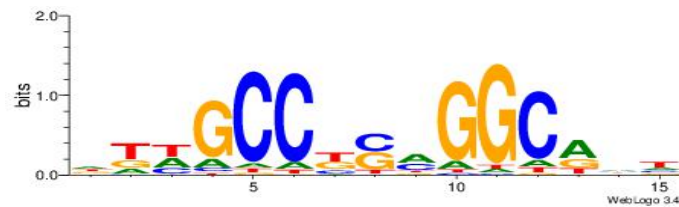
Motif ID: [UP00010](#)
 Motif name: Tcfap2b_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0624288

Alignment:

HHKGCCYSRGGCWAD
-BBVGCCBVGGCCTV

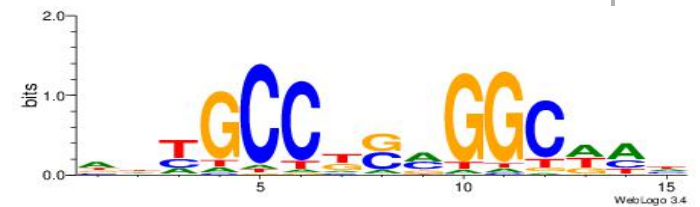
Original motif

Consensus sequence: DTWGCKSMGGCRHH



Reverse complement motif

Consensus sequence: HHKGCCYSRGGCWAD



Motif ID:	UP00082
Motif name:	Zfp187_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0627664

Alignment:

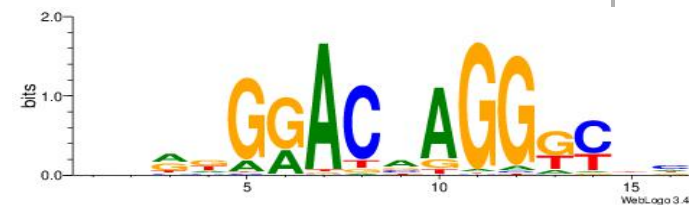
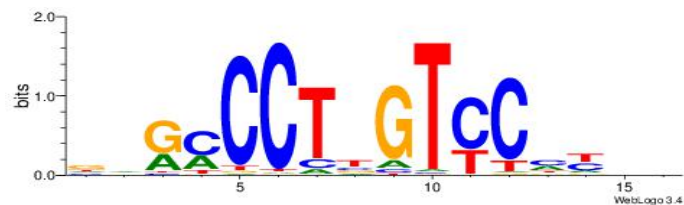
DDGMCCTBGTCCHYHV
VAGGCCBBGGCVBB--

Original motif

Consensus sequence: DDGMCCTBGTCCHYHV

Reverse complement motif

Consensus sequence: VHMDGGACVAGGRCDH

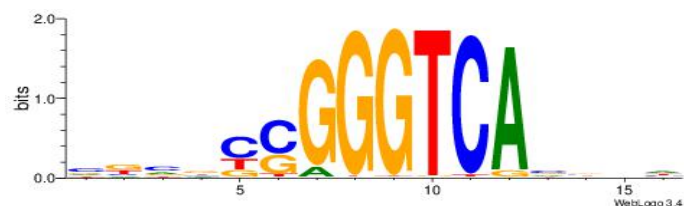


Motif ID: [UP00009](#)
 Motif name: Nr2f2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0636529

Alignment:
 HVBVTGACCCSGBVBV
 --VAGGCCBBGGCVBB

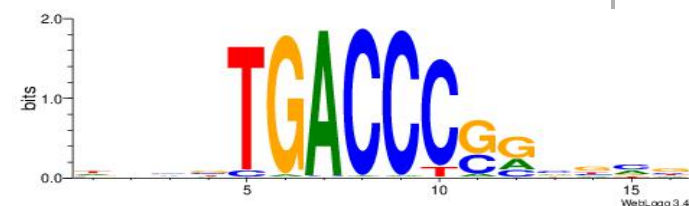
Original motif

Consensus sequence: VBVBCTGGGTCAVBBH



Reverse complement motif

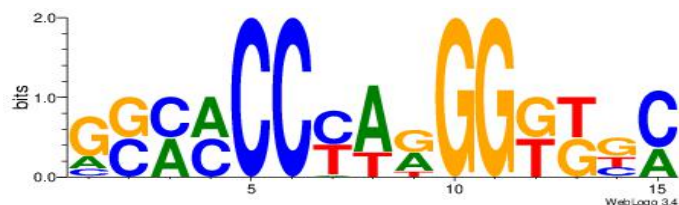
Consensus sequence: HVBVTGACCCSGBVBV



Dataset #: 3 **Motif ID: 29** **Motif name: Zfp423**

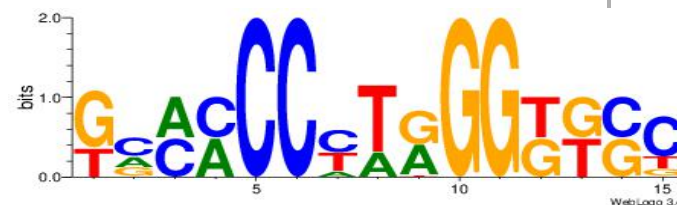
Original motif

Consensus sequence: GSMMCCYARGGKKKC



Reverse complement motif

Consensus sequence: GYRYCCMTKGGYRSC



Best Matches for Motif ID 29 (Highest to Lowest)

Motif ID:	UP00057
Motif name:	Zic2_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	15
Similarity score:	0.0178077

Alignment:

BMCCCCCGGGGGGB

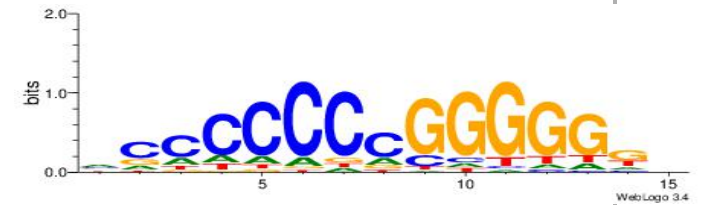
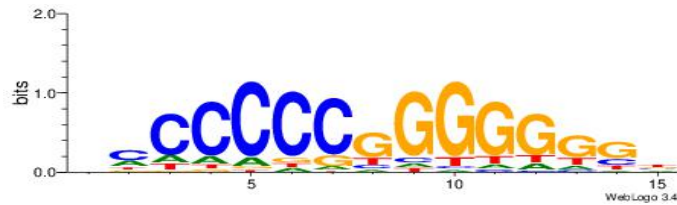
GSMMCCYARGGKKKC

Original motif

Consensus sequence: BMCCCCCGGGGGGB

Reverse complement motif

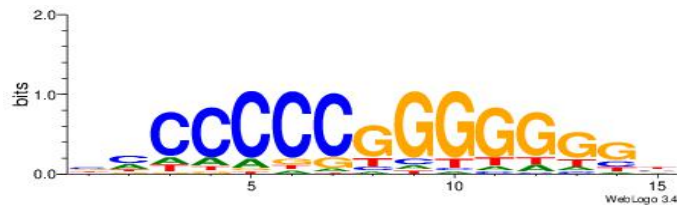
Consensus sequence: VCCCCCGGGGGRB



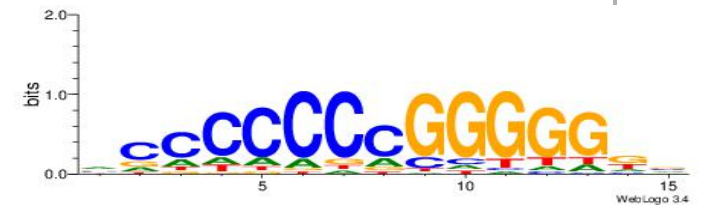
Motif ID: [UP00006](#)
 Motif name: Zic3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0213948

Alignment:
 BMCCCCCGGGGGGGB
 GSMCCYARGGKKKC

Original motif
 Consensus sequence: BMCCCCCGGGGGGGB



Reverse complement motif
 Consensus sequence: VCCCCCGGGGGRB



Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary

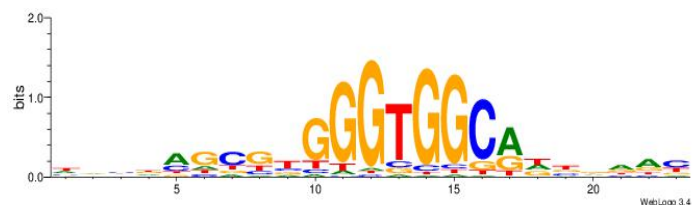
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0255241

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 -----GSMCCYARGGKKKC-

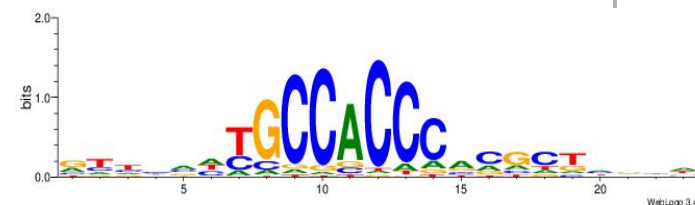
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID: [UP00087](#)
 Motif name: Tcfap2c_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0261399

Alignment:

WHHSCCYSRGGSDAD
GSMCCYARGGKKKC

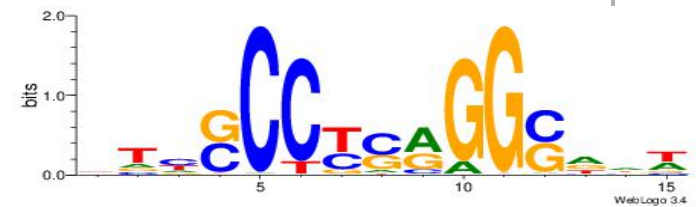
Original motif

Consensus sequence: WHHSCCYSRGGSDAD



Reverse complement motif

Consensus sequence: DTHSCCKSMGGSHHW



Motif ID:	UP00005
Motif name:	Tcfap2a_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	15
Similarity score:	0.0266201

Alignment:

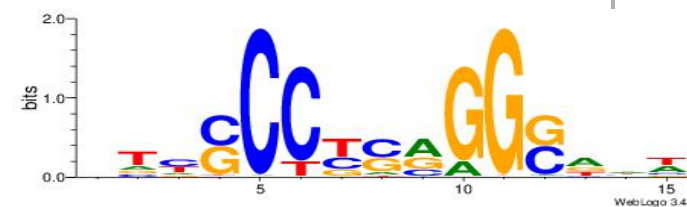
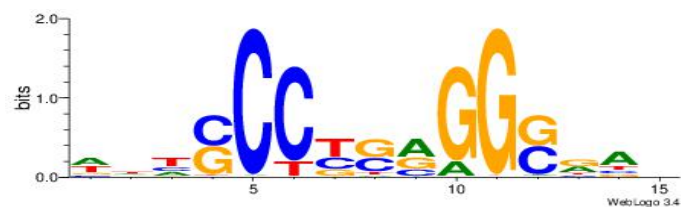
WDHSCCYSRGGSRAD
GSMCCYARGGKKKC

Original motif

Consensus sequence: WDHSCCYSRGGSRAD

Reverse complement motif

Consensus sequence: DTMSCCKSMGGSHDW



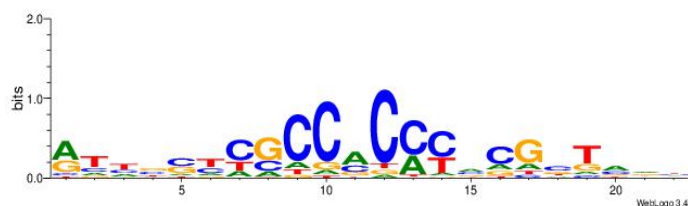
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 15
 Similarity score: 0.027503

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 -----GSMGCCYARGGKKKC

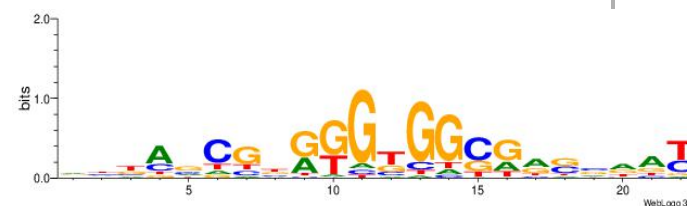
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID: [UP00220](#)

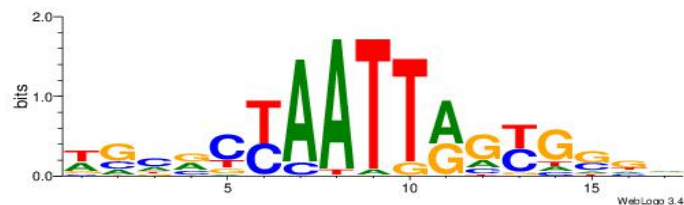
Motif name: Nkx1-1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0276935

Alignment:

WGHRCYAATTRGYGSDV
 -GYRYCCMTKGGYRSC-

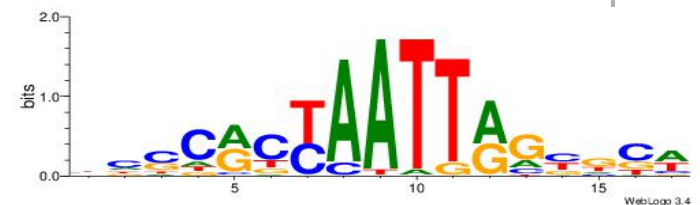
Original motif

Consensus sequence: WGHRCYAATTRGYGSDV



Reverse complement motif

Consensus sequence: BHSCMCKAATTMGMDCW



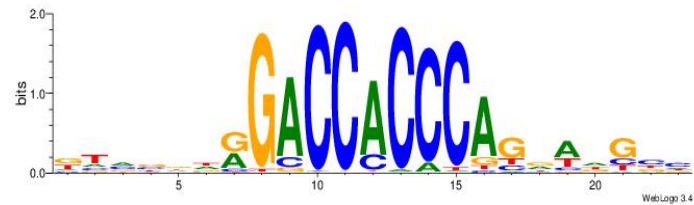
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0280481

Alignment:

DTVBD DRGACCACCCAGDWDGBH
-----GSMCCYARGGKKKC

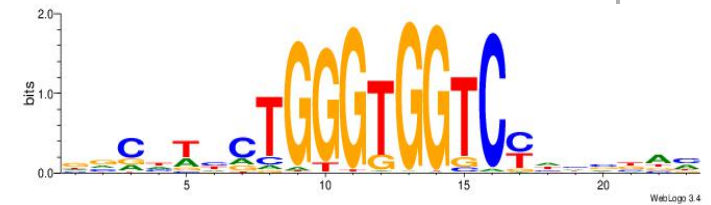
Original motif

Consensus sequence: DTVBD DRGACCACCCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



Motif ID:	UP00538
Motif name:	Gli1_v016060_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	9
Number of overlap:	15
Similarity score:	0.0288797

Alignment:

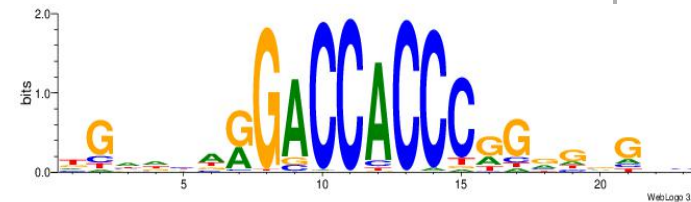
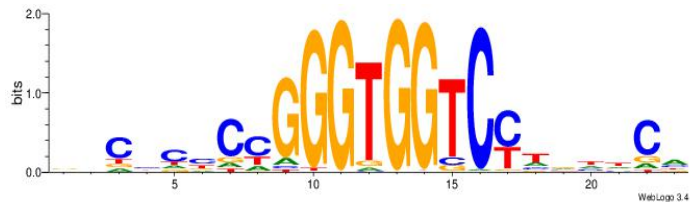
HGDHVHKGACCACCCGGBGBGDB
-----GSMCCYARGGKKKC

Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH

Reverse complement motif

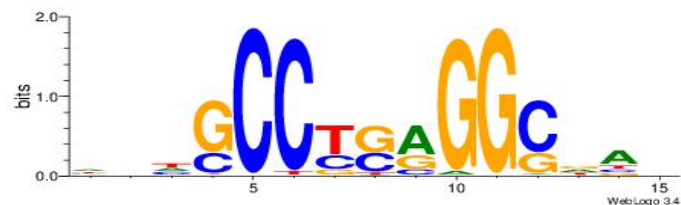
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



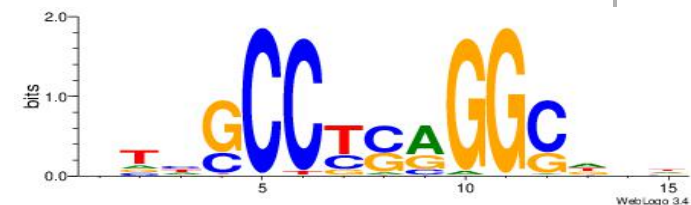
Motif ID: [UP00028](#)
 Motif name: Tcfap2e_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.029693

Alignment:
 HHHGCCTSAGGCDAD
 GSMCCYARGGKKKC

Original motif
 Consensus sequence: HHHGCCTSAGGCDAD



Reverse complement motif
 Consensus sequence: DTHGCCTSAGGCHHH



Dataset #: 3 Motif ID: 30 Motif name: ZEB1

Original motif

Consensus sequence: CACCTD



Reverse complement motif

Consensus sequence: HAGGTG



Best Matches for Motif ID 30 (Highest to Lowest)

Motif ID:	UP00068
Motif name:	Eomes_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	6
Similarity score:	0

Alignment:

VVBVCKACACCTHVBV

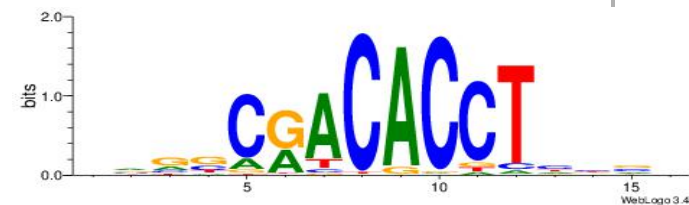
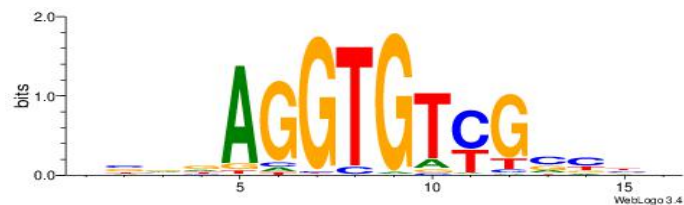
-----CACCTD---

Original motif

Consensus sequence: VBDAGGTGTYGVBBV

Reverse complement motif

Consensus sequence: VVBVCKACACCTHVBV

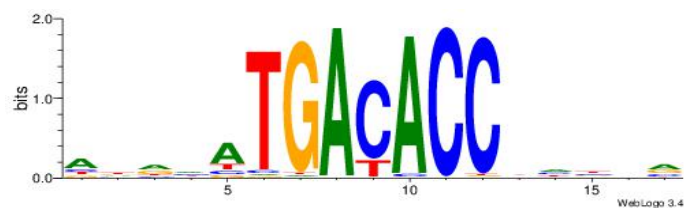


Motif ID: [UP00199](#)
 Motif name: Six4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 6
 Similarity score: 0.00433068

Alignment:
 BBVHVGGTGTCTHDDT
 ---HAGGTG-----

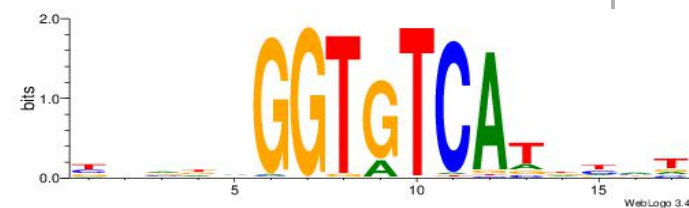
Original motif

Consensus sequence: ADDHATGACACCBHBBV



Reverse complement motif

Consensus sequence: BBVHVGGTGTCTHDDT



Motif ID: [UP00068](#)

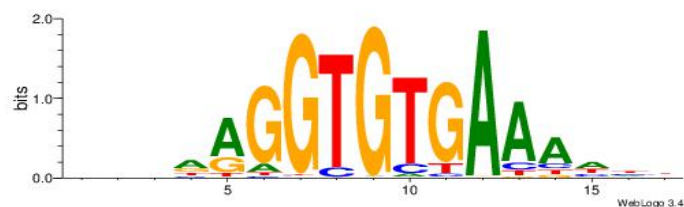
Motif name: Eomes_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 6
 Similarity score: 0.00524081

Alignment:

HHHTTTCACACCTDHBV
 -----CACCTD---

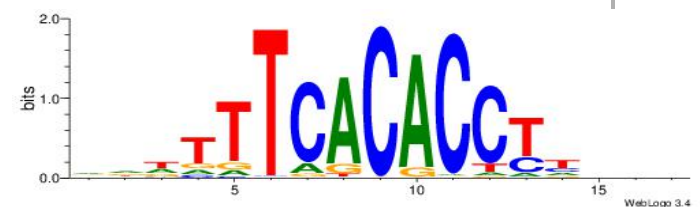
Original motif

Consensus sequence: BVHDAGGTGTGAAHHH



Reverse complement motif

Consensus sequence: HHHTTTCACACCTDHBV



Motif ID: [UP00046](#)
 Motif name: Tcfe2a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 6

Similarity score: 0.00911301

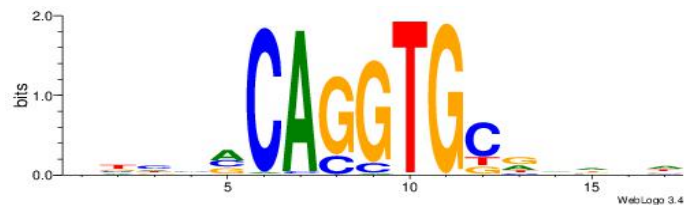
Alignment:

DHDBHGCACCTGBDDVB

-----CACCTD-----

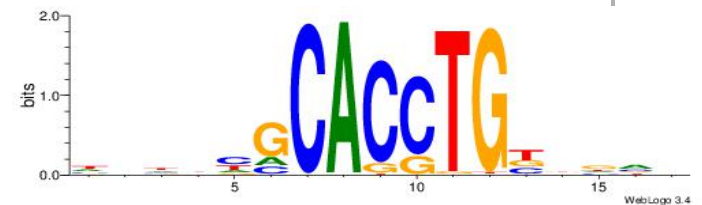
Original motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Reverse complement motif

Consensus sequence: DHDBHGCACCTGBDDVB



Motif ID: [UP00047](#)
Motif name: Zbtb7b_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 6
Similarity score: 0.0233556

Alignment:

BDDRVGACCACCHBDVB

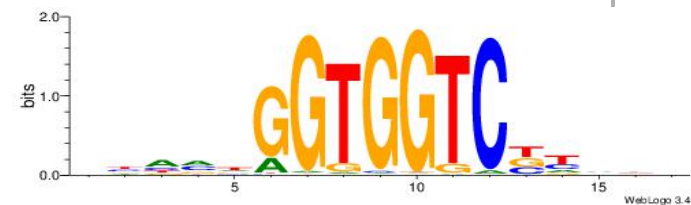
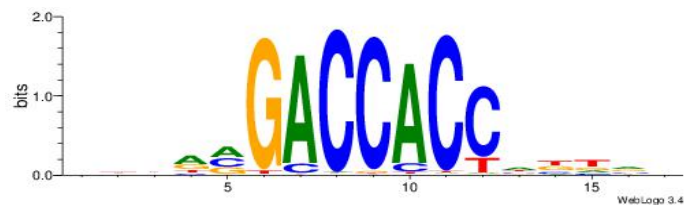
-----CACCTD---

Original motif

Consensus sequence: BDDRVGACCACCHBDVB

Reverse complement motif

Consensus sequence: BBDVHGGTGGTCBKDDDB



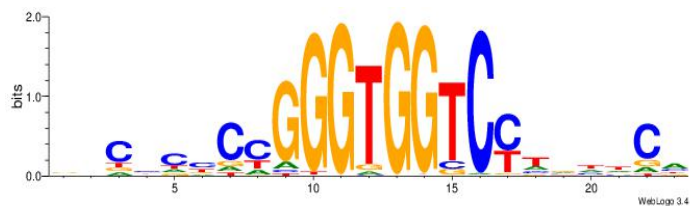
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 11
 Number of overlap: 6
 Similarity score: 0.0233928

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
 -----HAGGTG-----

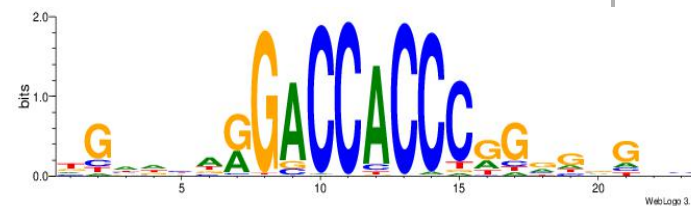
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



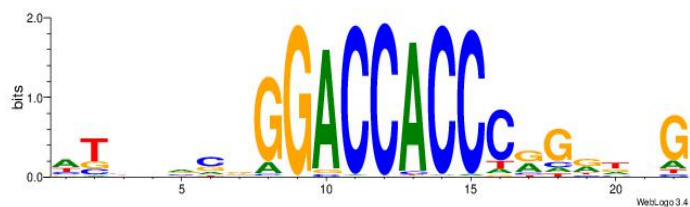
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0254338

Alignment:

HTBVVVDGGACCACCCRGRDBG
 -----CACCTD-----

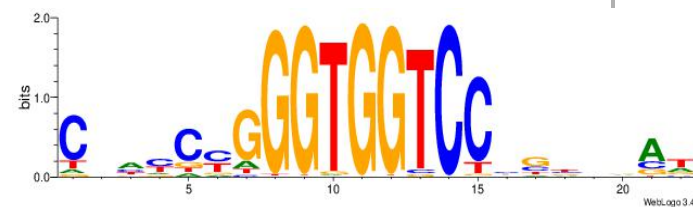
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCCHVBVBAH

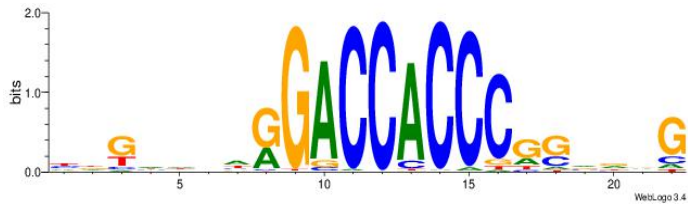


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6

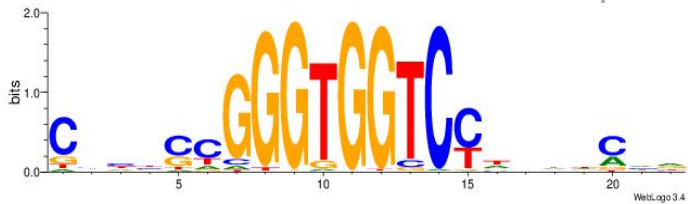
Number of overlap: 6
Similarity score: 0.0290143

Alignment:
HDGHHBHRGACCACCCGSVDVG
-----CACCTD-----

Original motif
Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif
Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



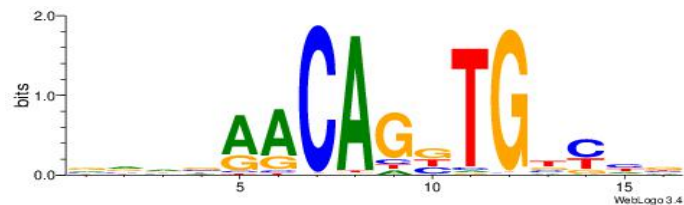
Motif ID: [UP00036](#)
Motif name: Myf6_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 6
Similarity score: 0.0309673

Alignment:
VVDBAACAGBTGBYHB
-----HAGGTG-----

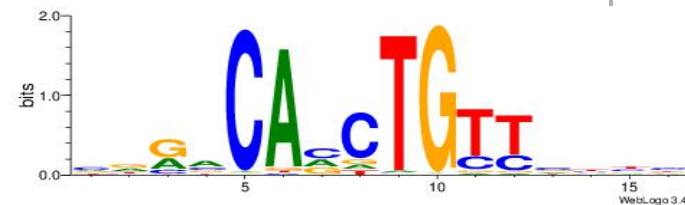
Original motif

Reverse complement motif

Consensus sequence: VVDBAACAGBTGBYHB



Consensus sequence: BDKVCABCTGTTBDBV



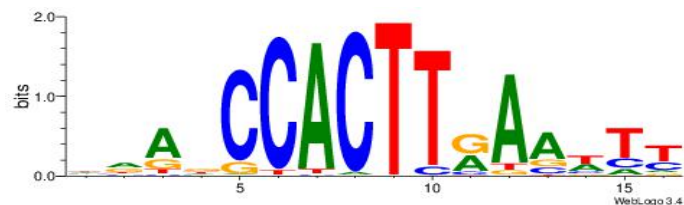
Motif ID: [UP00249](#)
Motif name: Nkx2-5
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 6
Similarity score: 0.031502

Alignment:

HDADCCACTTTRAAWTT
-----CACCTD-----

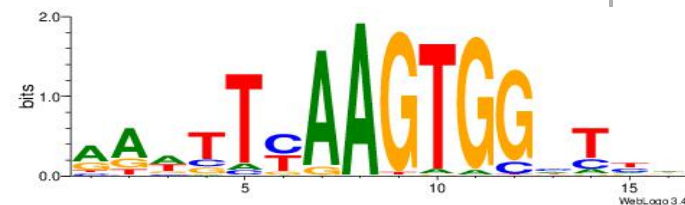
Original motif

Consensus sequence: HDADCCACTTTRAAWTT



Reverse complement motif

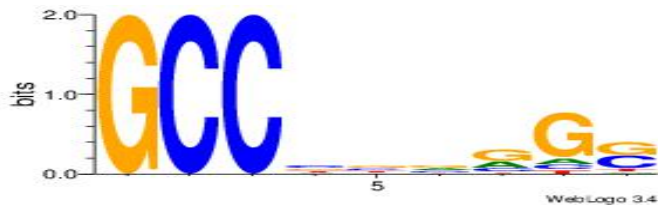
Consensus sequence: AAWTTMAAGTGGHTDH



Dataset #: 3 **Motif ID: 31** **Motif name: TFAP2A**

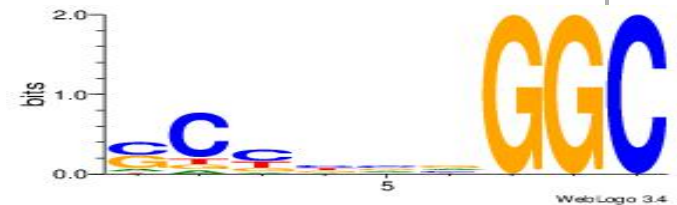
Original motif

Consensus sequence: GCCBBVRGS



Reverse complement motif

Consensus sequence: SCMVBGGC



Best Matches for Motif ID 31 (Highest to Lowest)

Motif ID:	UP00010
Motif name:	Tcfap2b_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	9
Similarity score:	0.0115546

Alignment:

HHKGCCYSRGGCWAD

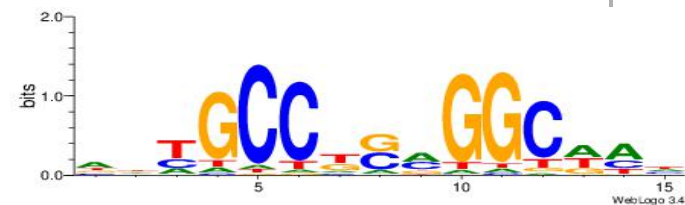
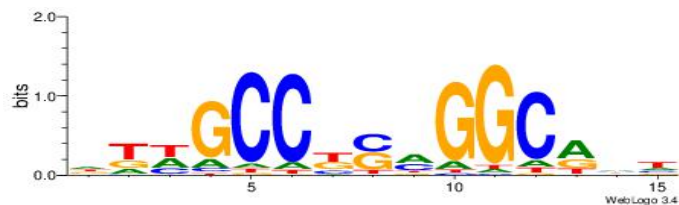
---GCCBBVRGS---

Original motif

Consensus sequence: DTWGCKSMGGCRHH

Reverse complement motif

Consensus sequence: HHKGCCYSRGGCWAD

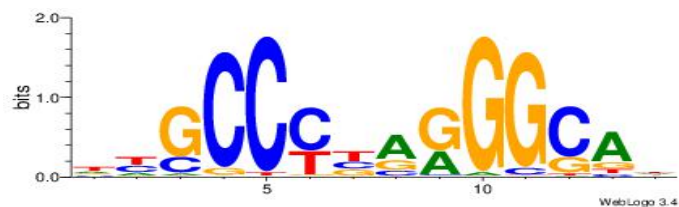


Motif ID: [UP00010](#)
 Motif name: Tcfap2b_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 9
 Similarity score: 0.0150447

Alignment:
 DYGCCYBARGGCAH
 --GCCBBVRGS---

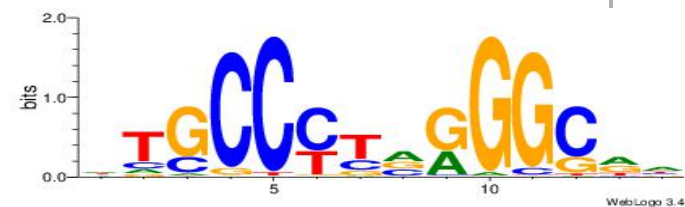
Original motif

Consensus sequence: DYGCCYBARGGCAH



Reverse complement motif

Consensus sequence: HTGCCMTVKGGCMD



Motif ID: [UP00005](#)

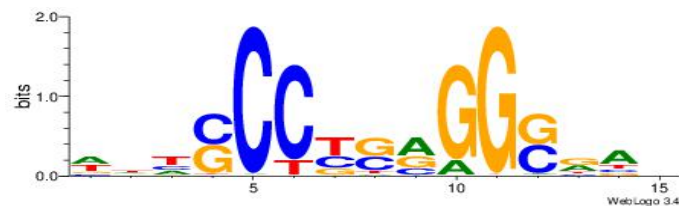
Motif name: Tcfap2a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 9
 Similarity score: 0.0151527

Alignment:

WDHSCCYSRGGSRAD
 ---GCCBBVRGS---

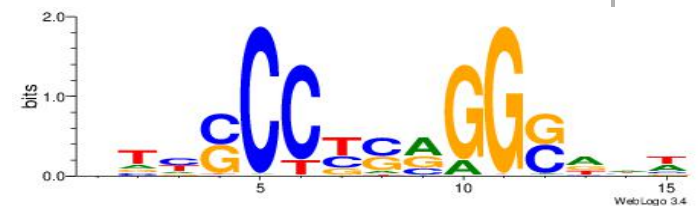
Original motif

Consensus sequence: WDHSCCYSRGGSRAD



Reverse complement motif

Consensus sequence: DTMSCCKSMGGSHDW



Motif ID: [UP00087](#)
 Motif name: Tcfap2c_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 9

Similarity score: 0.016909

Alignment:
WHHSCCYSRGGSDAD
---GCCBBVRGS---

Original motif
Consensus sequence: WHHSCCYSRGGSDAD



Reverse complement motif
Consensus sequence: DTHSCCKSMGGSHHW

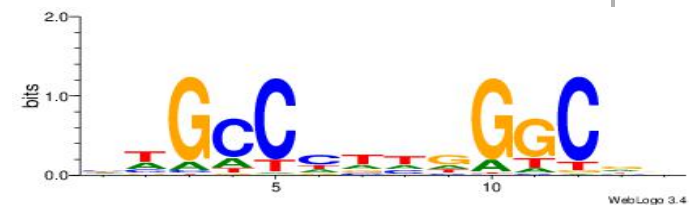
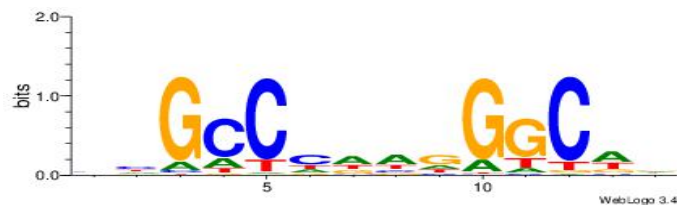


Motif ID: [UP00087](#)
Motif name: Tcfap2c_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 9
Similarity score: 0.0170259

Alignment:
BHGCCCDAGGGCWD
--GCCBBVRGS---

Original motif
Consensus sequence: BHGCCCDAGGGCWD

Reverse complement motif
Consensus sequence: HWGCCCTDGGGCDB



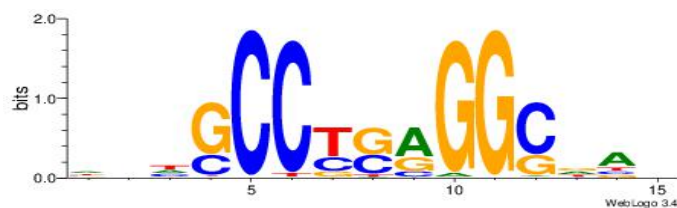
Motif ID: [UP00028](#)
 Motif name: Tcfap2e_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 9
 Similarity score: 0.0198854

Alignment:

HHHGCCTSAGGCDAD
 ---GCCBBVRGS---

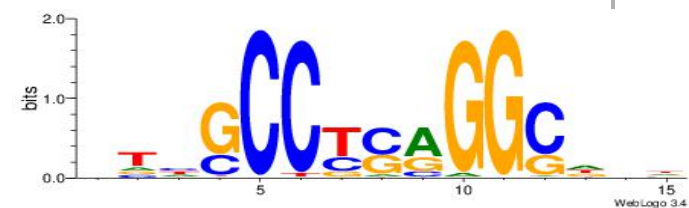
Original motif

Consensus sequence: HHHGCCTSAGGCDAD



Reverse complement motif

Consensus sequence: DTHGCCTSAGGCHHH



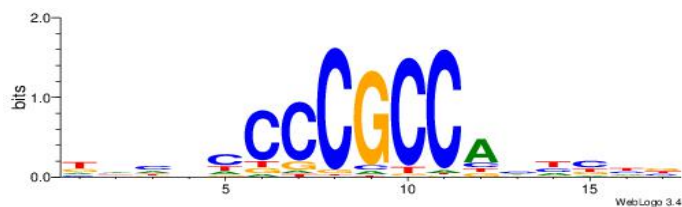
Motif ID: [UP00000](#)
 Motif name: Smad3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 9
 Number of overlap: 9
 Similarity score: 0.0203681

Alignment:

BHBHDTGGCGGGGBDHD
 SCMVBBGGC-----

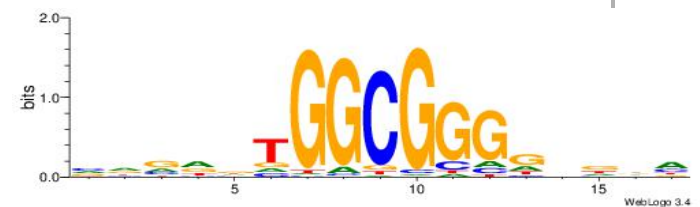
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD

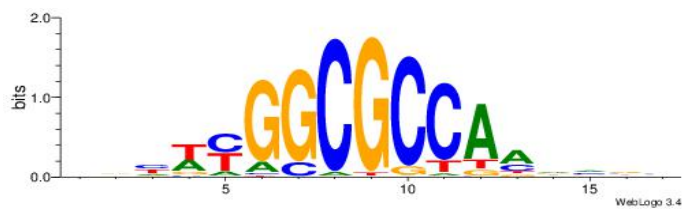


Motif ID: [UP00003](#)
 Motif name: E2F3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1

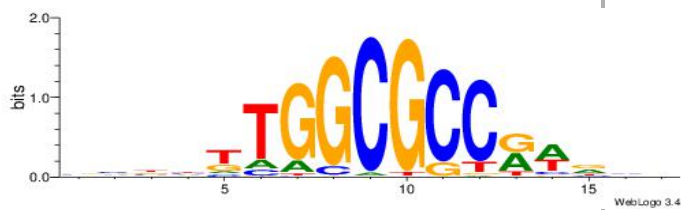
Number of overlap: 9
Similarity score: 0.0217064

Alignment:
BBBDYTGGCGCCKWDBD
SCMVBBGGC-----

Original motif
Consensus sequence: HBHWYGGCGCCAMDVBB



Reverse complement motif
Consensus sequence: BBBDYTGGCGCCKWDBD

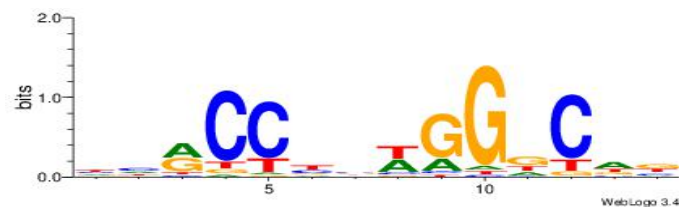


Motif ID: [UP00005](#)
Motif name: Tcfap2a_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 9
Similarity score: 0.0234775

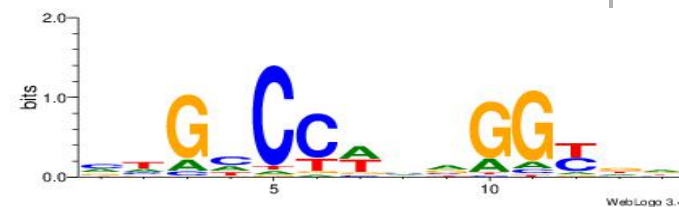
Alignment:
HHRCCBBWGGDCDB
--GCCBBVRGS---

Original motif Reverse complement motif

Consensus sequence: HHRCCBBWGGDCDB



Consensus sequence: BDGHCCWBVGKGDH



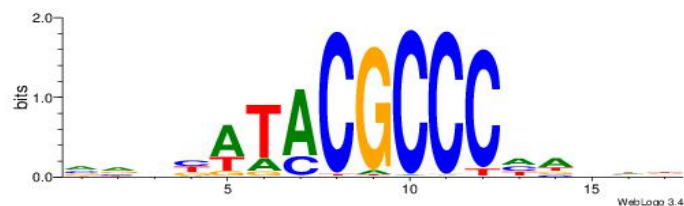
Motif ID: [UP00093](#)
Motif name: Klf7_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 9
Similarity score: 0.026642

Alignment:

VVDBATACGCCCHAHHD
-----GCCBBVRGS

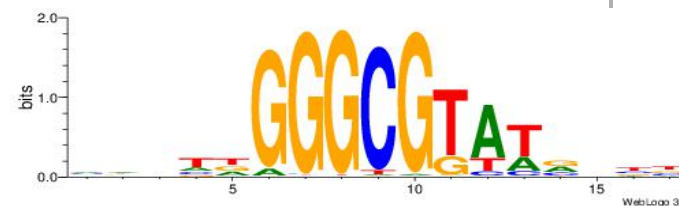
Original motif

Consensus sequence: VVDBATACGCCCHAHHD



Reverse complement motif

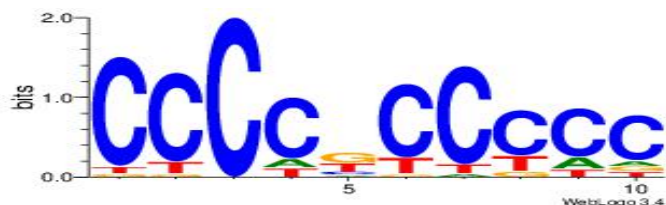
Consensus sequence: DHDTHGGGCGTATBHBB



Dataset #: 3 Motif ID: 32 Motif name: SP1

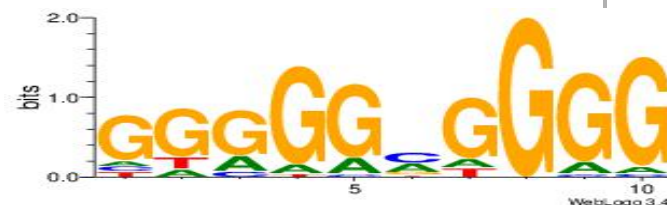
Original motif

Consensus sequence: CCCCKCCCCC



Reverse complement motif

Consensus sequence: GGGGGYGGGG



Best Matches for Motif ID 32 (Highest to Lowest)

Motif ID: [UP00021](#)
Motif name: Zfp281_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 10
Similarity score: 0.0231018

Alignment:

DBCCCCCCCCCMYC

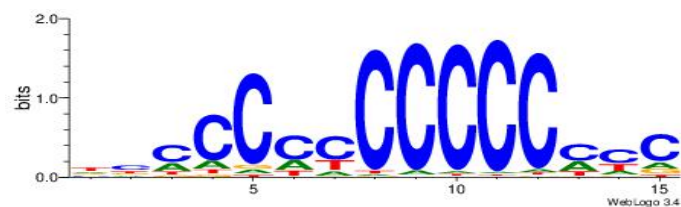
--CCCCKCCCCC---

Original motif

Consensus sequence: DBCCCCCCCCCMYC

Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD

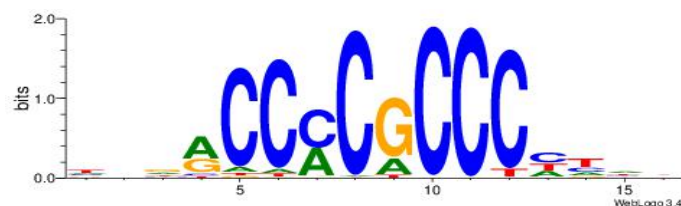


Motif ID: [UP00093](#)
 Motif name: Klf7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0303207

Alignment:
 HBDRCMCGCCCHHD
 ----CCCCKCCCC--

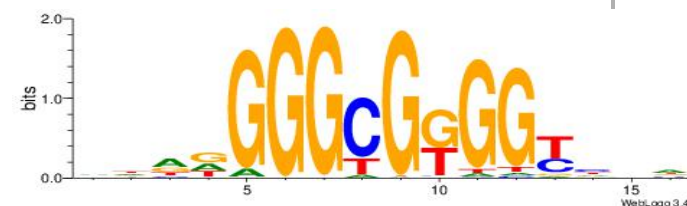
Original motif

Consensus sequence: HBDRCMCGCCCHHD



Reverse complement motif

Consensus sequence: DHHDGGGCGRGGKHBH



Motif ID: [UP00033](#)

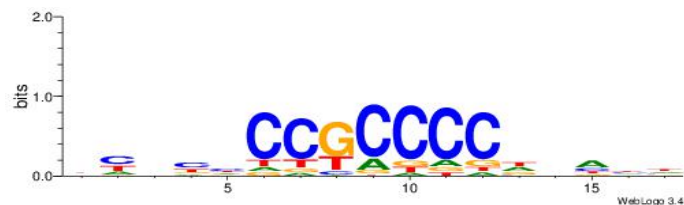
Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0323007

Alignment:

HHHHDGGGGCGGDBHDV
 ----GGGGGYGGG---

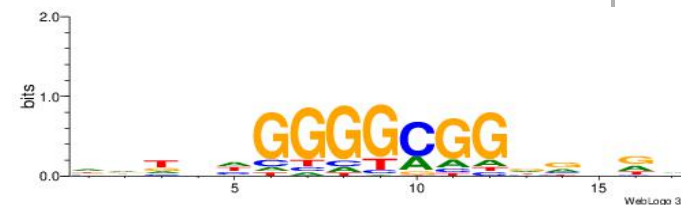
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



Motif ID: [UP00099](#)
 Motif name: Ascl2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 10

Similarity score: 0.0340973

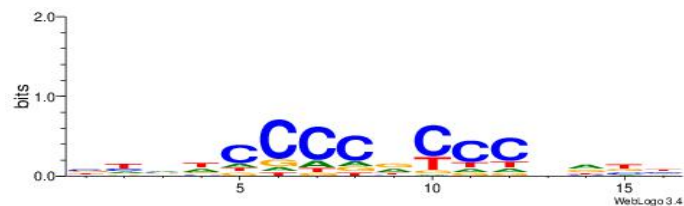
Alignment:

HVDVGGGHGGGGDBHB

--GGGGGYGGGG----

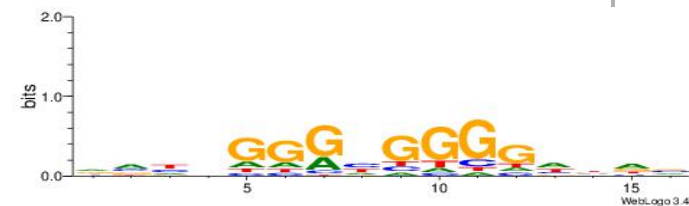
Original motif

Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif

Consensus sequence: HVDVGGGHGGGGDBHB



Motif ID: [UP00043](#)
Motif name: Bcl6b_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 10
Similarity score: 0.0351051

Alignment:

BHHHWGGGGCGGBBVH

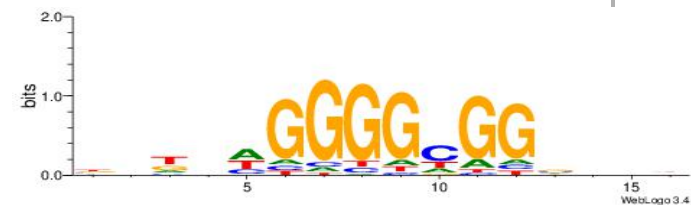
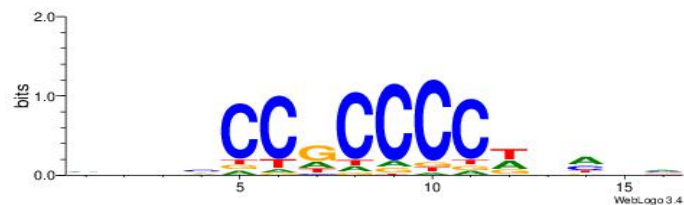
----GGGGGYGGGG--

Original motif

Consensus sequence: HBBCCGCCCCWHHHV

Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



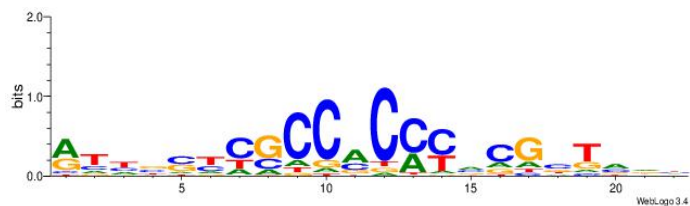
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0390437

Alignment:

HDBABCGBKRGYGGCGMSBHAK
 -----GGGGGYGGGG-----

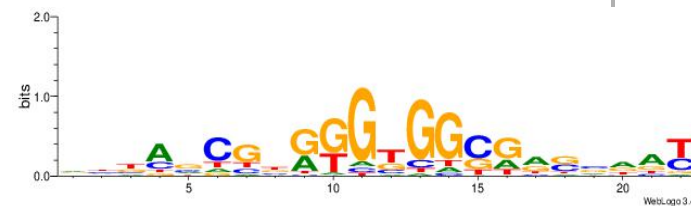
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



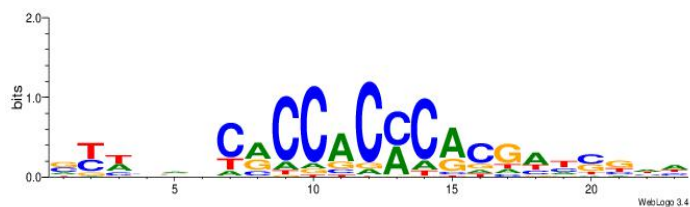
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0393358

Alignment:

HHBSHTCGTGRGTGGKGDBVWMV
 -----GGGGGYGGGG-----

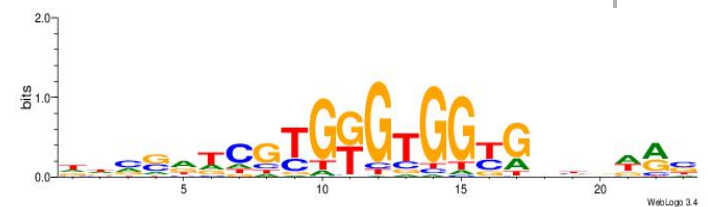
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Motif ID: [UP00000](#)
 Motif name: Smad3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

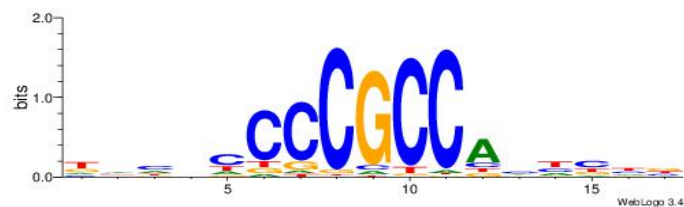
Number of overlap: 10
Similarity score: 0.0413863

Alignment:

DHHBCCCCGCCAHHBHB
----CCCCKCCCC--

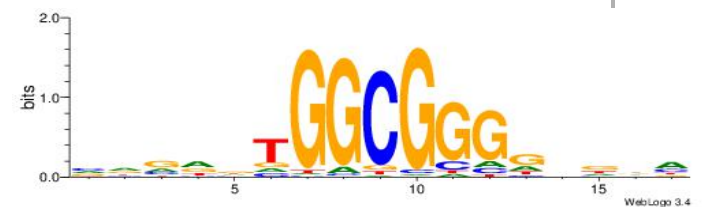
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD



Motif ID: [UP00022](#)
Motif name: Zfp740_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 10
Similarity score: 0.0418947

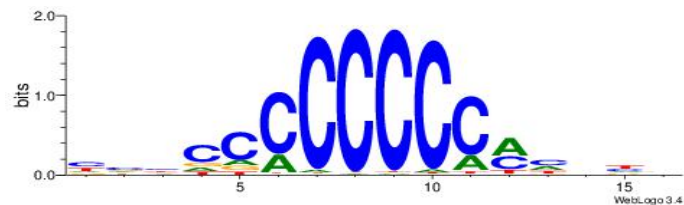
Alignment:

HVBCCCCCCCCMHHHB
---CCCCKCCCC--

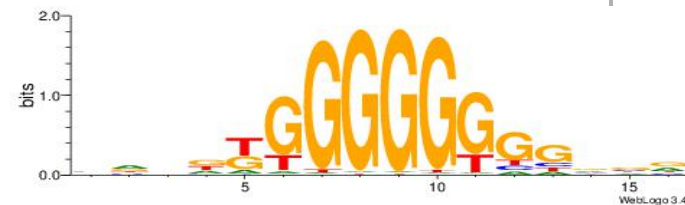
Original motif

Reverse complement motif

Consensus sequence: HVBCCCCCCCCMHHHB



Consensus sequence: BHHDYGGGGGGGGGBVD



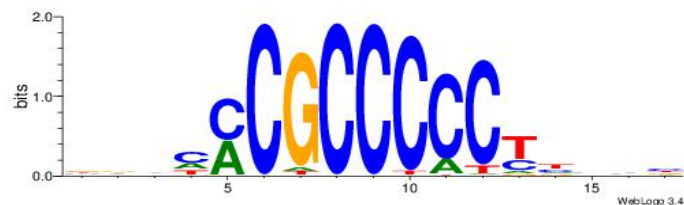
Motif ID: [UP00002](#)
Motif name: Sp4_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 10
Similarity score: 0.0420708

Alignment:

BDHHMCGCCCCCTHVBB
--CCCCKCCCCC-----

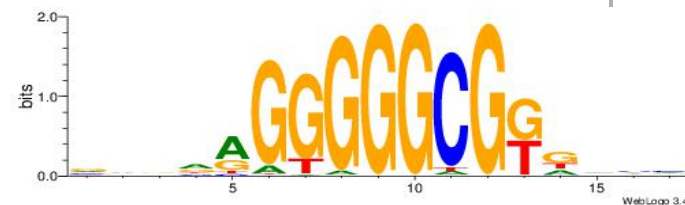
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGGCGRDHHB



Dataset #: 3 **Motif ID: 33** **Motif name: RXRAVDR**

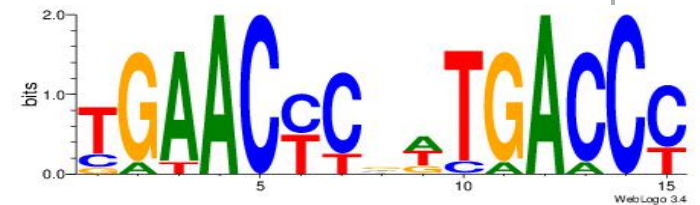
Original motif

Consensus sequence: GGGTCAWBGRGTTCA



Reverse complement motif

Consensus sequence: TGAACKCBWTGACCC



Best Matches for Motif ID 33 (Highest to Lowest)

Motif ID:	UP00037
Motif name:	Zfp105_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	15
Similarity score:	0.0631638

Alignment:

DYGVKTCAATAABTYDD

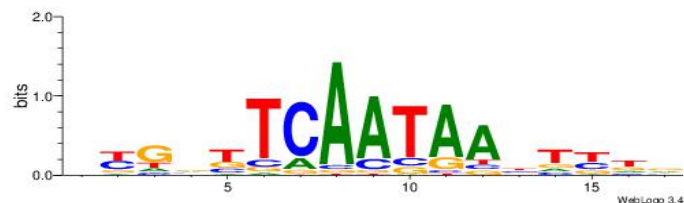
--GGGTCAWBGRGTTCA

Original motif

Consensus sequence: DYGVKTCAATAABTYDD

Reverse complement motif

Consensus sequence: HDMAVTTATTGARVCMH



Motif ID: [UP00044](#)
 Motif name: Mafk_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0639668

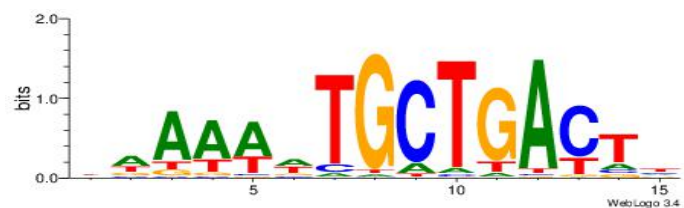
Alignment:

DWAAAWTGCTGACTH

TGAACKCBWTGACCC

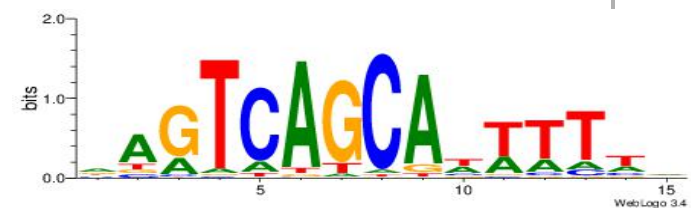
Original motif

Consensus sequence: DWAAAWTGCTGACTH



Reverse complement motif

Consensus sequence: HAGTCAGCAWTTTWD



Motif ID: [UP00538](#)

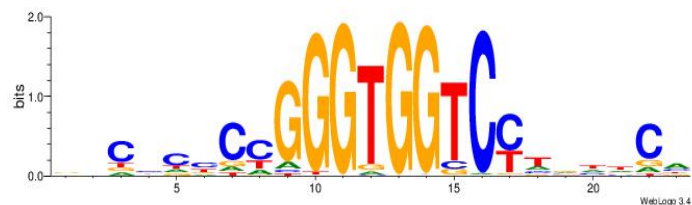
Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 9
 Number of overlap: 15
 Similarity score: 0.0682816

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
 -----GGGTCAWBGRGTTCA

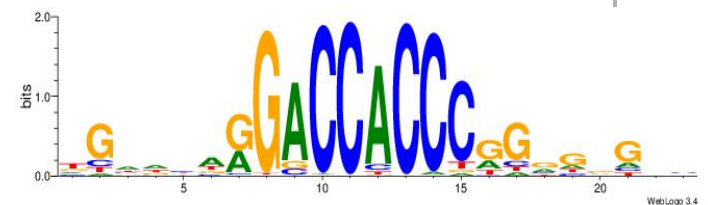
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 15

Similarity score: 0.06995

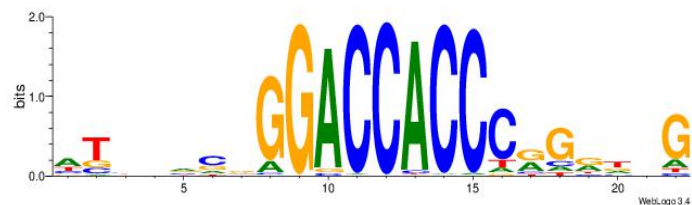
Alignment:

HTBVVVDGGACCACCCRGRDBG

-TGAACKCBWTGACCC-----

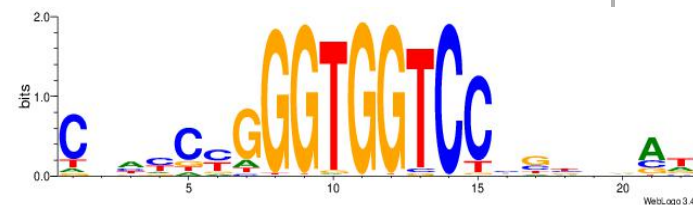
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



Motif ID: [UP00539](#)
Motif name: Gli2_v015681_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 15
Similarity score: 0.0711699

Alignment:

DVMHHDHKGACCCTCCTSVCBH

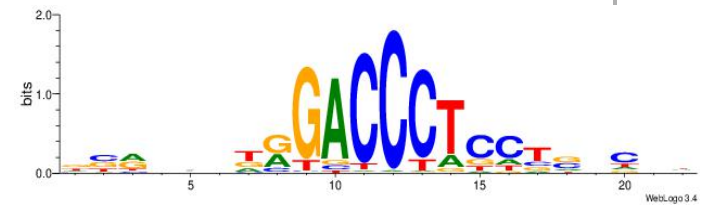
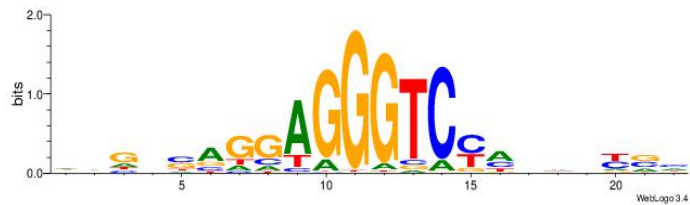
-----TGAACKCBWTGACCC

Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH

Reverse complement motif

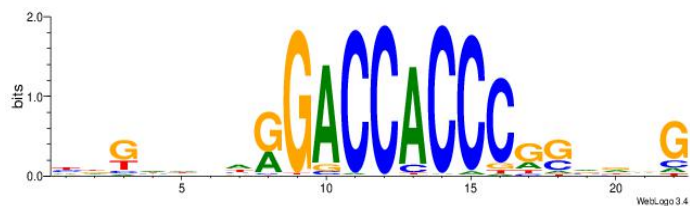
Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



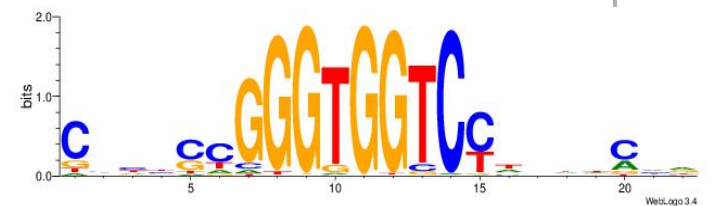
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.072162

Alignment:
 CVHBSCGGGTGGTCMHVHHCDH
 -----GGGTCAWBGRGTTCA-

Original motif
 Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif
 Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



Motif ID: [UP00045](#)

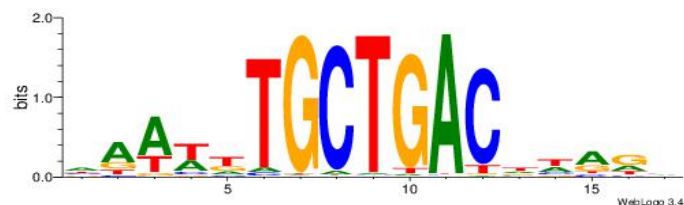
Motif name: Mafb_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 14
Similarity score: 0.562034

Alignment:

DMTWDGTCAGCADWTTH-
-TGAACKCBWTGACCC--

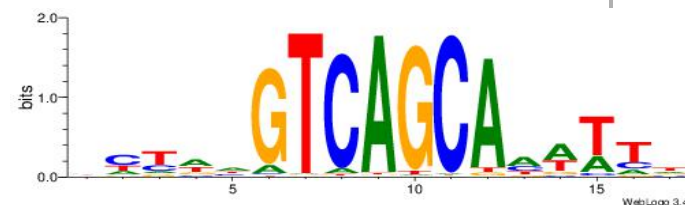
Original motif

Consensus sequence: HAAWDTGCTGACDWARH



Reverse complement motif

Consensus sequence: DMTWDGTCAGCADWTTH



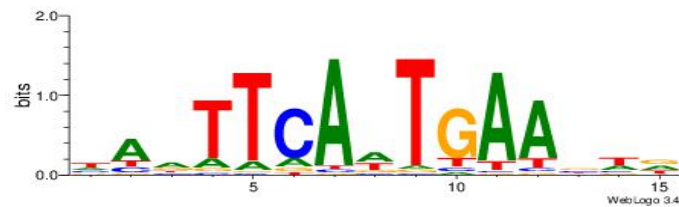
Motif ID: [UP00012](#)
Motif name: Bbx_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 14
Similarity score: 0.562788

Alignment:

HWBTTCAWTGAADTH-
-GGGTCAWBGRGTTCA

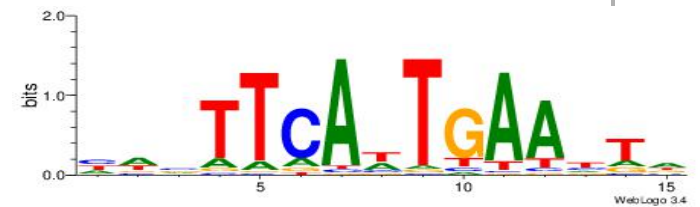
Original motif

Consensus sequence: HADTTCAWTGAABWD



Reverse complement motif

Consensus sequence: HWBTTCAWTGAADTH



Motif ID:

[UP00005](#)

Motif name:

Tcfap2a_secondary

Species:

Mus musculus

Matching format of first motif:

Original Motif

Matching format of second motif:

Reverse Complement

Direction:

Forward

Position number:

1

Number of overlap:

14

Similarity score:

0.56549

Alignment:

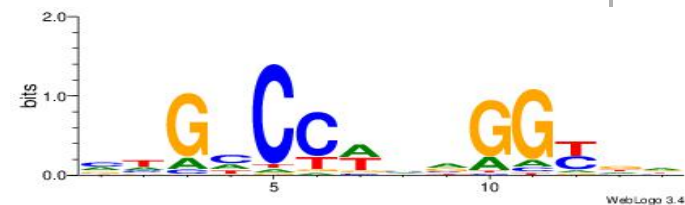
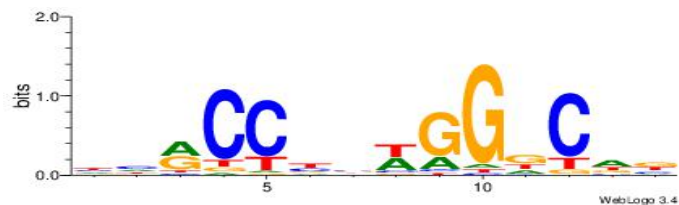
HHRCCBBWGGDCDB-
GGGTCAWBGRGTTCA

Original motif

Consensus sequence: HHRCCBBWGGDCDB

Reverse complement motif

Consensus sequence: BDGHCCWBVGKGDH



Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.565777

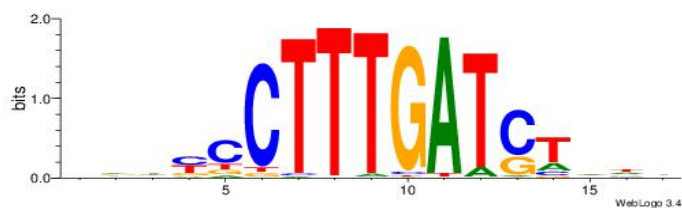
Alignment:

```

VDDAGATCAAAGGKDDD-
---GGGTCAWBGRGTTCA
  
```

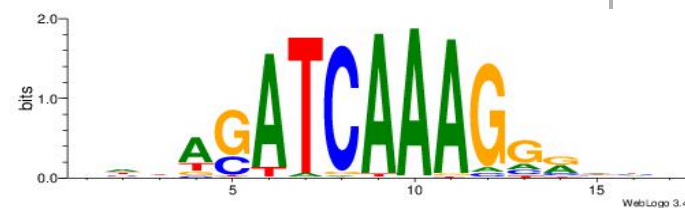
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

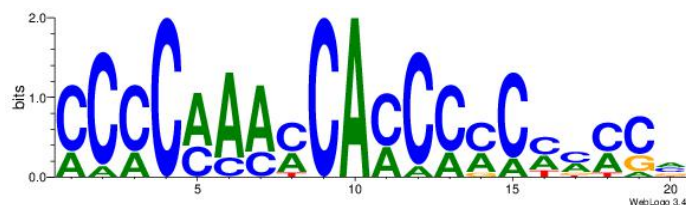
Consensus sequence: VDDAGATCAAAGKDDD



Dataset #: 3 Motif ID: 34 Motif name: RREB1

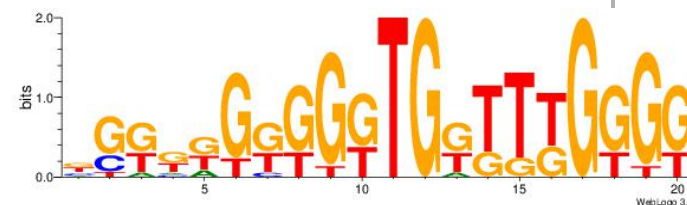
Original motif

Consensus sequence: CCCMAAMCAMCCMCMMMC



Reverse complement motif

Consensus sequence: BGRRRGRGGRTGRTTYGGG



Best Matches for Motif ID 34 (Highest to Lowest)

Motif ID:	UP00540
Motif name:	Gli3_v015681_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	20
Similarity score:	0.0443369

Alignment:

YBVDGMTGGGTGGTCKVVBVBBT

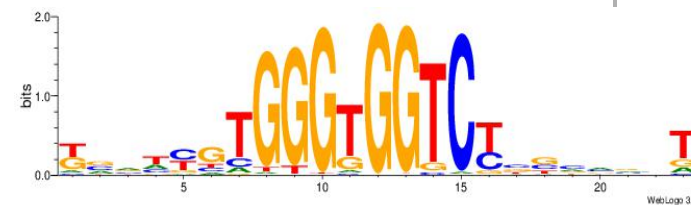
BGRRRGRGGRTGRTTYGGG---

Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM

Reverse complement motif

Consensus sequence: YBVDGMTGGGTGGTCKVVBVBBT



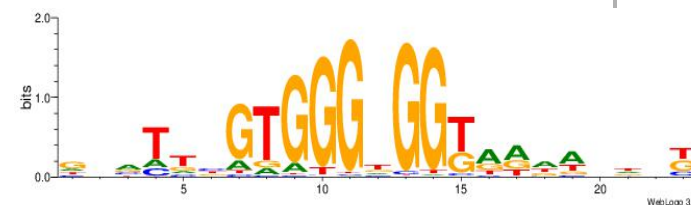
Alignment:

```
MHHHWHYTMCCCHCCACVAABVH
--CCCCMAAMCAMCCMCMMMCVC-
```

Consensus sequence: MHHWHYTMCHCCACVAABVH



Consensus sequence: DVTTVGTGGGHGGYAMHWHHHY



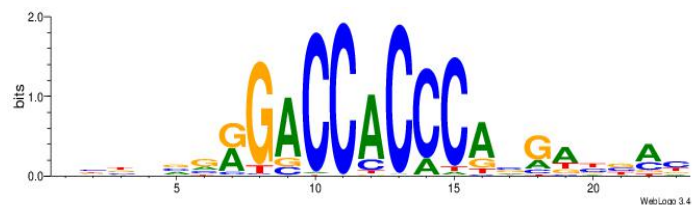
Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0546172

Alignment:

BTBVTCTVGGGTGGTCMVVDVBB
 -BGRRRGRGGRTGRTTYGGGG--

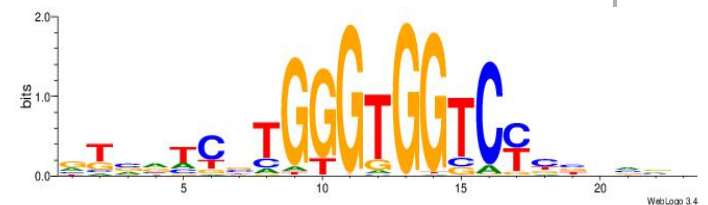
Original motif

Consensus sequence: BBBDVVRGACCACCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB

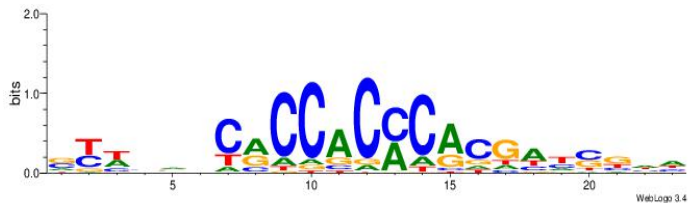


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 20

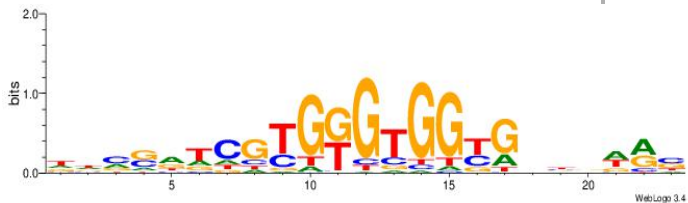
Similarity score: 0.055783

Alignment:
VYWVVHCRCCACMCACGAHSBHH
-CCCCMAAMCAMCCMCMMMCVCV--

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

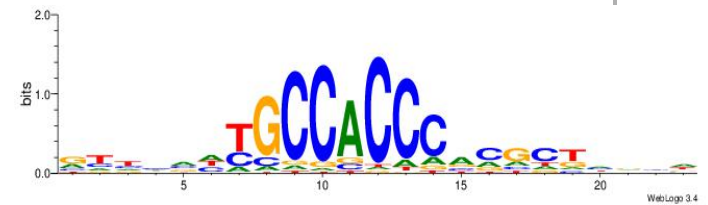
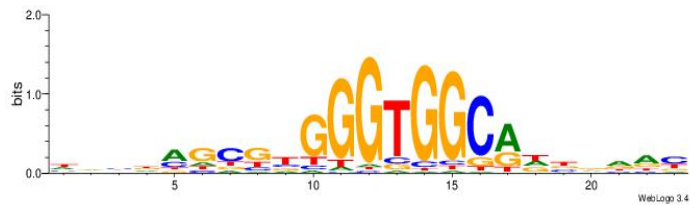


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 20
Similarity score: 0.057969

Alignment:
HVBDAGCGBGGGTGGCRDBDDDB
--BGRRRGRGGRTGRTTYGGGG-

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



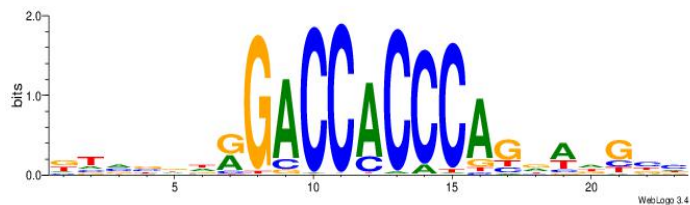
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0595101

Alignment:

DTVBD DRGACCACCCAGDWDGBH
 --CCCCMAAMCAMCCMCMMMCVCV--

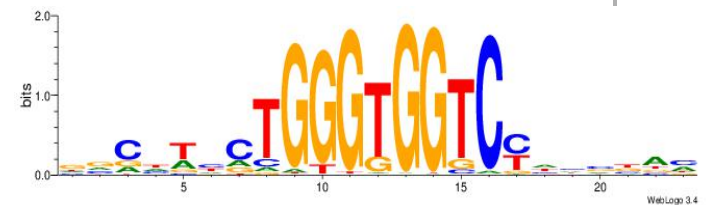
Original motif

Consensus sequence: DTVBD DRGACCACCCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



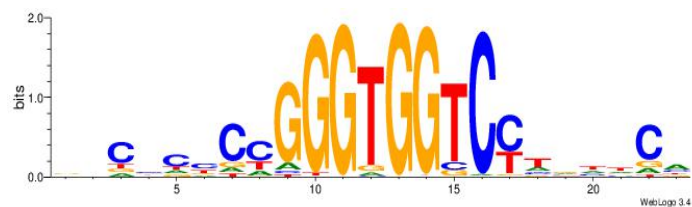
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0622003

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
 -BGRRRGRGGRTGRTTYGGGG--

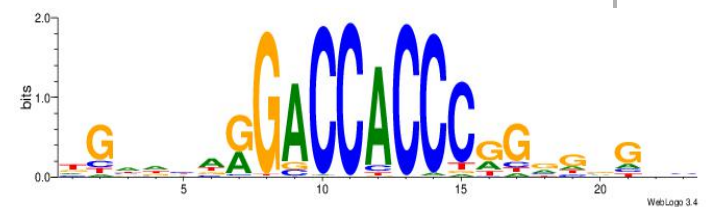
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB

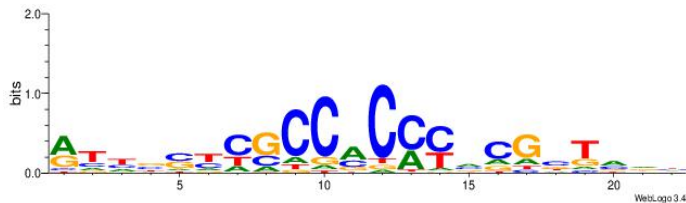


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2

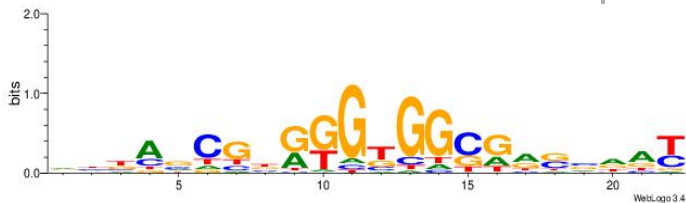
Number of overlap: 20
Similarity score: 0.0626951

Alignment:
RTHBSYCGCCMCMYVCGBTVDH
-CCCCMAAMCAMCCMCMMMCVCV-

Original motif
Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif
Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



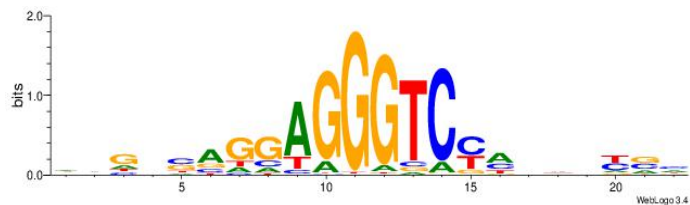
Motif ID: [UP00539](#)
Motif name: Gli2_v015681_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 20
Similarity score: 0.0631901

Alignment:
DVMHHDHKGACCCTCCTSVCBH
CCCCMAAMCAMCCMCMMMCVCV--

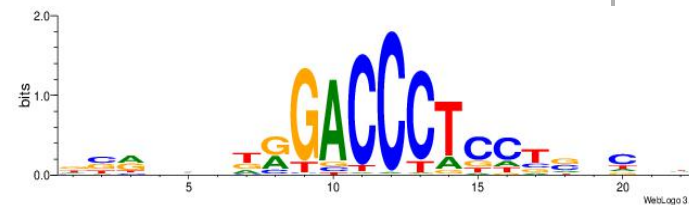
Original motif

Reverse complement motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



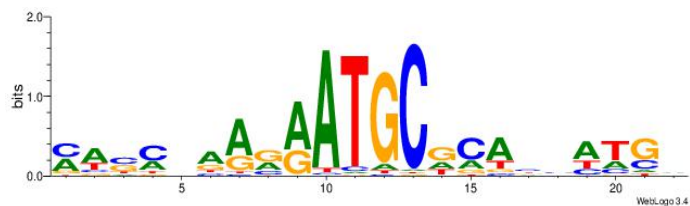
Motif ID: [UP00528](#)
Motif name: Foxm1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 20
Similarity score: 0.0673848

Alignment:

DCATDBTGHGCATKMTTBRSWR
--BGRRRGRGGRTGRTTYGGGG

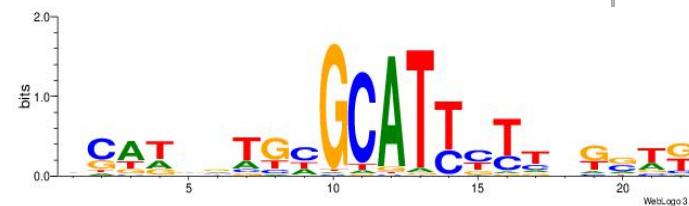
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

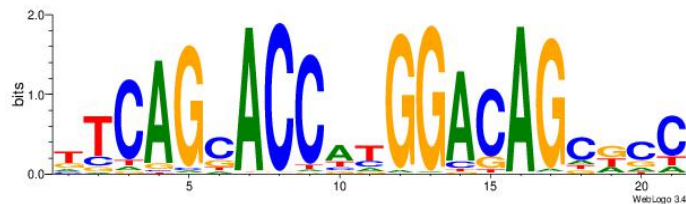
Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Dataset #: 3 **Motif ID: 35** **Motif name: REST**

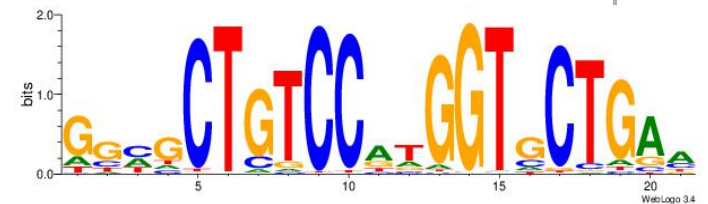
Original motif

Consensus sequence: TTCAGCACCATGGACAGCKCC



Reverse complement motif

Consensus sequence: GGYGCTGTCCATGGTGCTGAA



Best Matches for Motif ID 35 (Highest to Lowest)

Motif ID:	UP00538
Motif name:	Gli1_v015681_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	21
Similarity score:	0.0699178

Alignment:

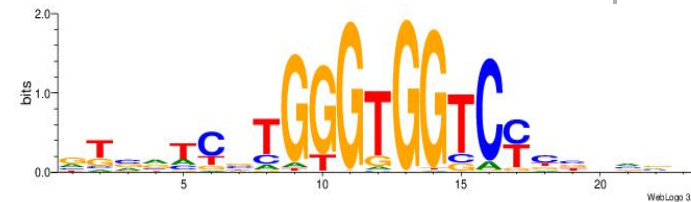
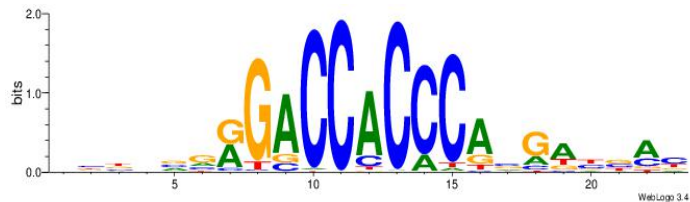
```
BBBDVVRGACCACCCAVGABBAB
--TTCAGCACCATGGACAGCKCC
```

Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB

Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB

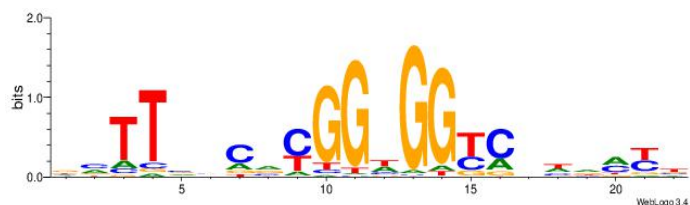


Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 21
 Similarity score: 0.0734685

Alignment:
 VMYDHDGMCCHCCKBGVVAHVH
 GYGCTGTCCATGGTGCTGAA-

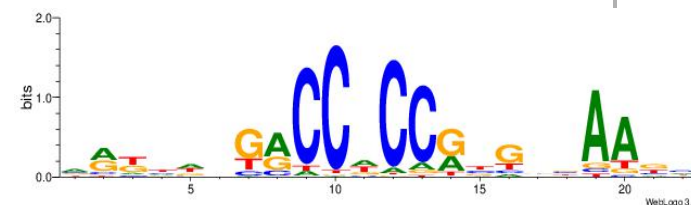
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAHVH



Motif ID: [UP00540](#)

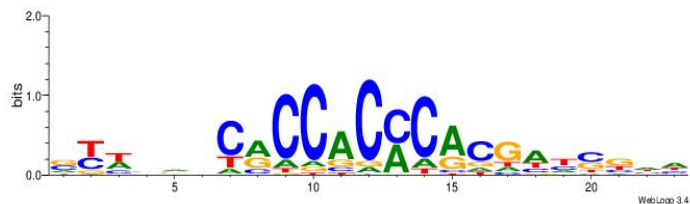
Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 21
 Similarity score: 0.0740652

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 -TTCAGCACCATGGACAGCKCC-

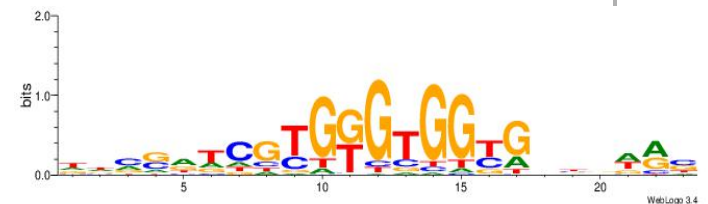
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

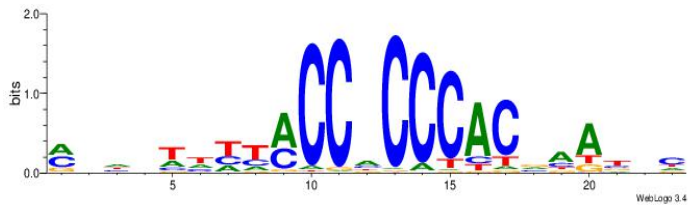


Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 21

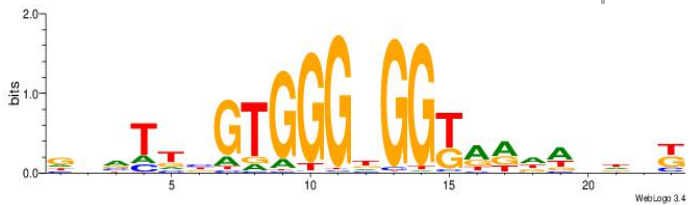
Similarity score: 0.0750152

Alignment:
MHHHWHYTMCCCHCCCACVAABVH
--TTCAGCACCATGGACAGCKCC

Original motif
Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif
Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY

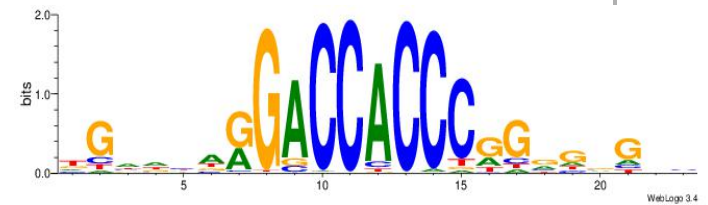
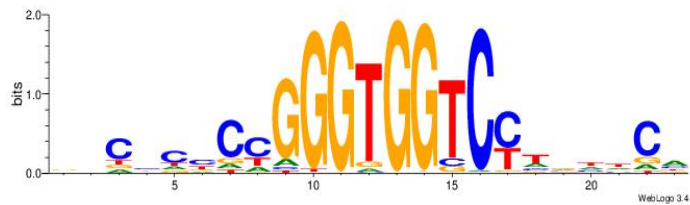


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 21
Similarity score: 0.0751449

Alignment:
BHCBCBCCGGGTGGTCYHVHDCH
GGYGCTGTCCATGGTGCTGAA--

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH

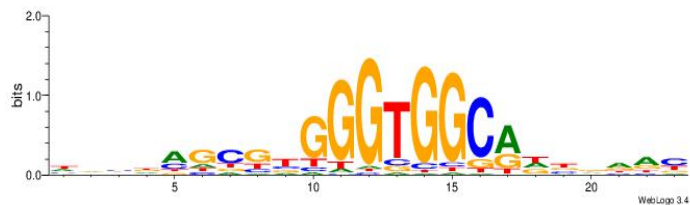
Reverse complement motif
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



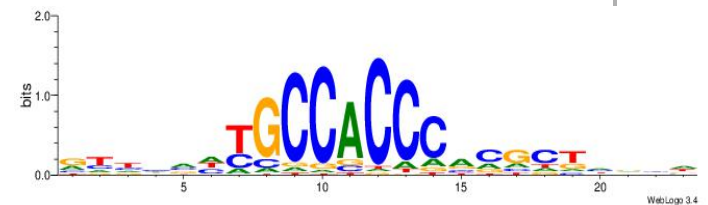
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 21
 Similarity score: 0.075832

Alignment:
 BDDHVDKGCCACCCVCGCTDBVH
 -TTCAGCACCATGGACAGCKCC-

Original motif
 Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif
 Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID: [UP00539](#)

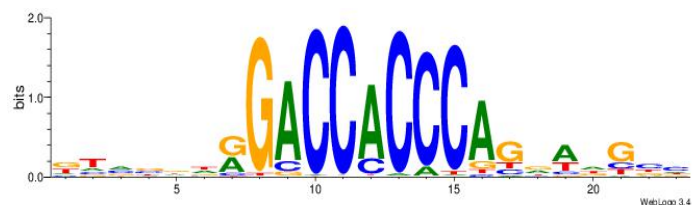
Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 21
 Similarity score: 0.0773446

Alignment:

DTVBDDRGACCACCCAGDWDGBH
 --TTCAGCACCATGGACAGCKCC

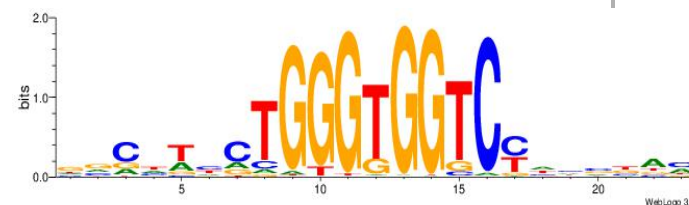
Original motif

Consensus sequence: DTVBDDRGACCACCCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAA



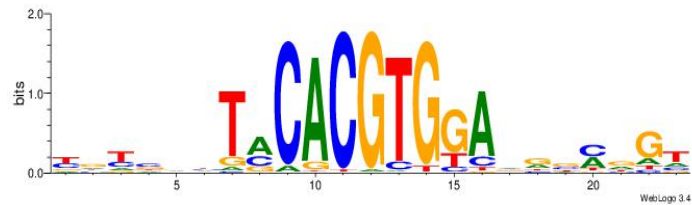
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 21
 Similarity score: 0.0775367

Alignment:

YDYBDHTMCACGTGGADDBMDGT
--TTCAGCACCATGGACAGCKCC

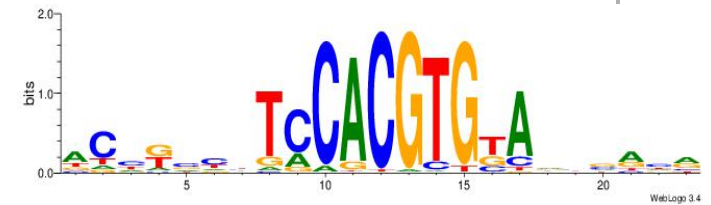
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



Motif ID:	UP00528
Motif name:	Foxm1_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	21
Similarity score:	0.077977

Alignment:

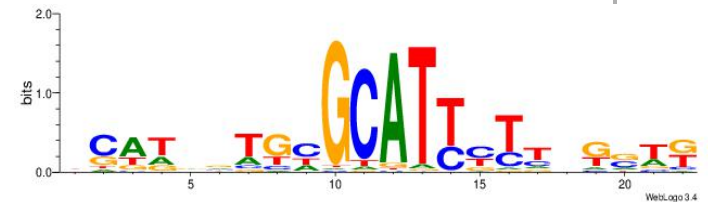
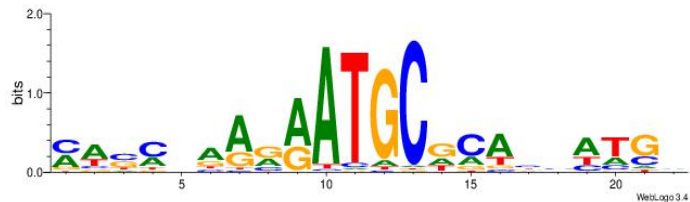
DCATDBTGHGCATKMTTBRSWR
-GGYGCTGTCCATGGTGCTGAA

Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD

Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR

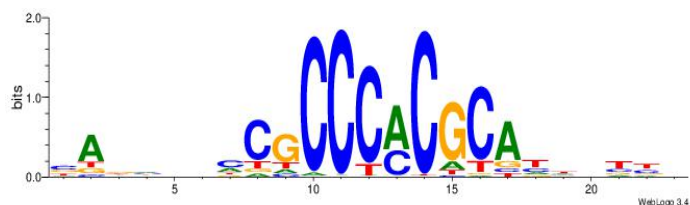


Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 21
 Similarity score: 0.0785969

Alignment:
 BADHBDHCGCCCMCGCAHHDBBV
 --GGYGCTGTCCATGGTGCTGAA

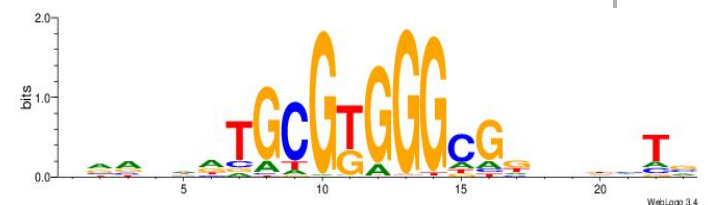
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

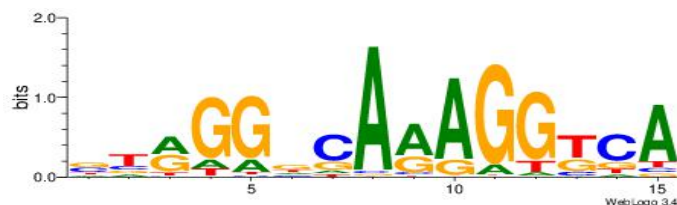
Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



Dataset #: 3 **Motif ID: 36** **Motif name: PPARGRXRA**

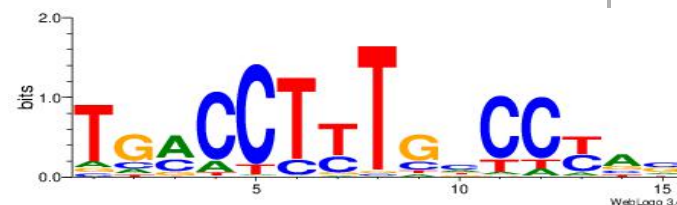
Original motif

Consensus sequence: BTRGGDCARAGGKCA



Reverse complement motif

Consensus sequence: TGRCCTKTGHCKAB



Best Matches for Motif ID 36 (Highest to Lowest)

Motif ID:	UP00067
Motif name:	Lef1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	15
Similarity score:	0.0304954

Alignment:

VDDAGATCAAAGGKDDD

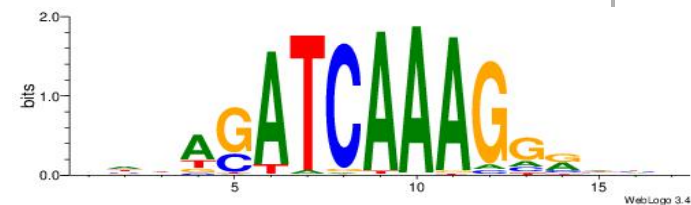
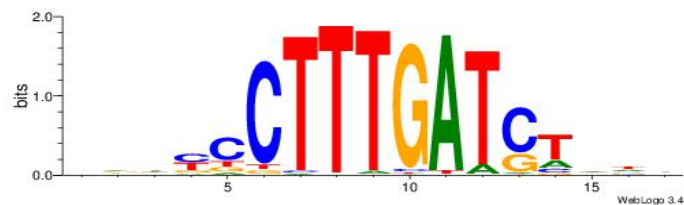
-BTRGGDCARAGGKCA-

Original motif

Consensus sequence: DDDYCCTTTGATCTDDV

Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD

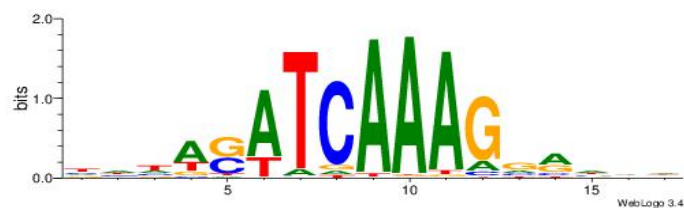


Motif ID: [UP00058](#)
 Motif name: Tcf3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0319475

Alignment:
 HHHASATCAAAGVRHHH
 -BTRGGDCARAGGKCA-

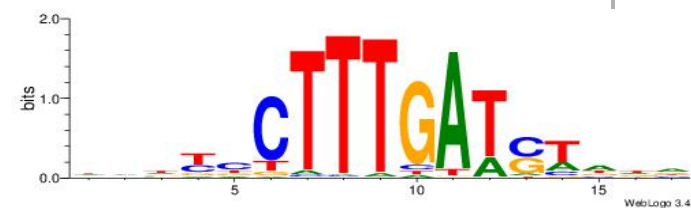
Original motif

Consensus sequence: HHHASATCAAAGVRHHH



Reverse complement motif

Consensus sequence: HHHKVCTTTGATSTHHH



Motif ID: [UP00054](#)

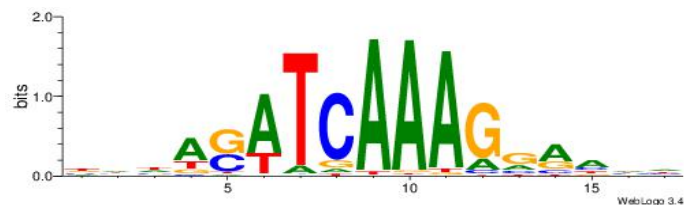
Motif name: Tcf7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.032779

Alignment:

BHHASATCAAAGGAHHH
 -BTRGGDCARAGGKCA-

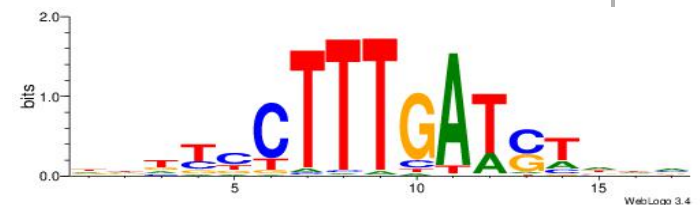
Original motif

Consensus sequence: BHHASATCAAAGGAHHH



Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV

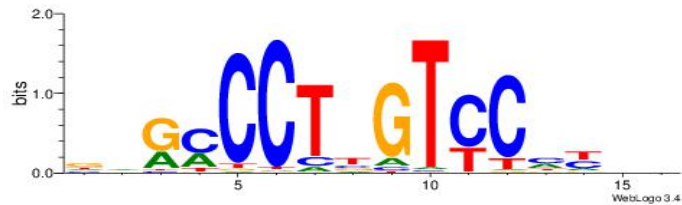


Motif ID: [UP00082](#)
 Motif name: Zfp187_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 15

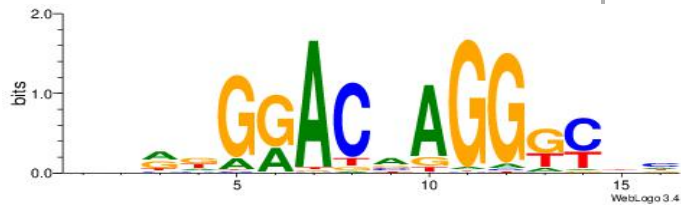
Similarity score: 0.0334185

Alignment:
VHMDGGACVAGGRCDH
BTRGGDCARAGGKCA-

Original motif
Consensus sequence: DDGMCCTBGTCCCHYHV



Reverse complement motif
Consensus sequence: VHMDGGACVAGGRCDH

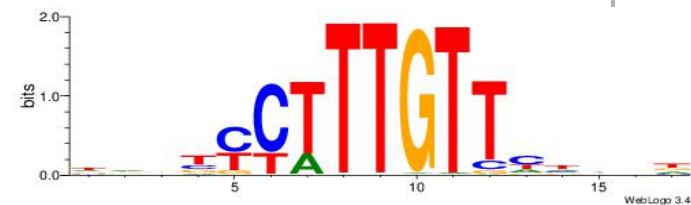
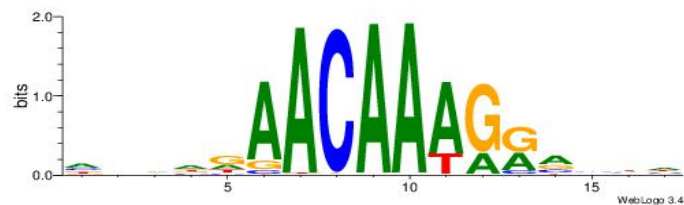


Motif ID: [UP00062](#)
Motif name: Sox4_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 15
Similarity score: 0.0352539

Alignment:
HBDDDAACAAAGRVBHH
-BTRGGDCARAGGKCA-

Original motif
Consensus sequence: HBDDDAACAAAGRVBHH

Reverse complement motif
Consensus sequence: HHBBMCTTTGTTHDDBH



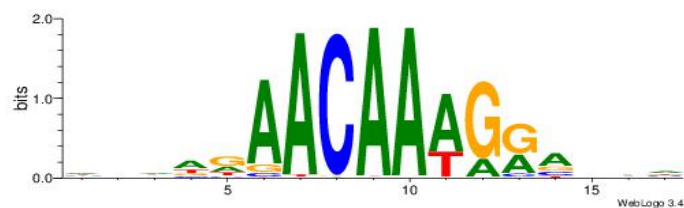
Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0358782

Alignment:

HBDDRAACAAAGRABHH
 -BTRGGDCARAGGKCA-

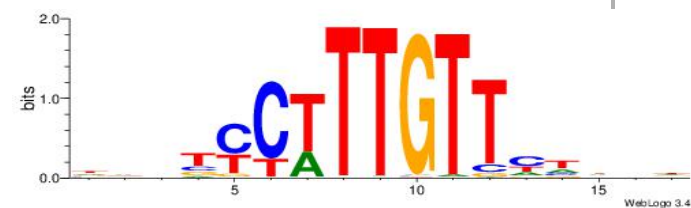
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



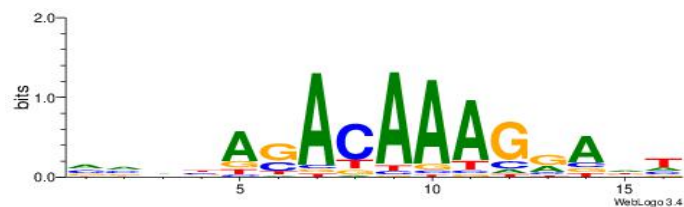
Motif ID: [UP00101](#)
 Motif name: Sox12_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0374729

Alignment:

HDTMCTTTGTSTVDBB
 TGRCCCTKTGHCKAB-

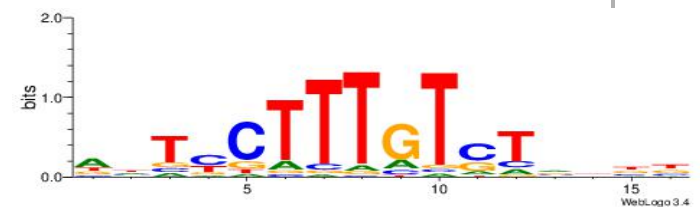
Original motif

Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB

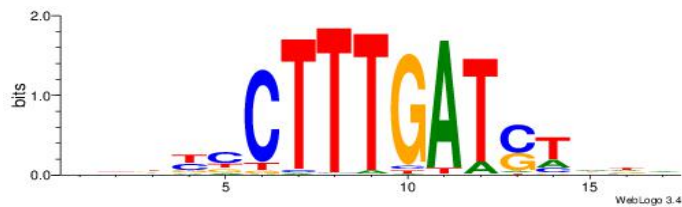


Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2

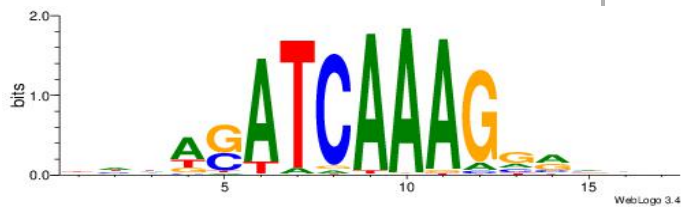
Number of overlap: 15
Similarity score: 0.0379757

Alignment:
BDDASATCAAAGGMDDD
-BTRGGDCARAGGKCA-

Original motif
Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif
Consensus sequence: BDDASATCAAAGGMDDD



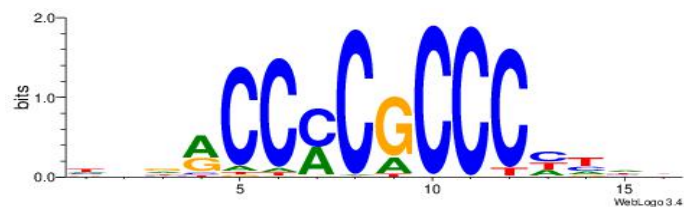
Motif ID: [UP00093](#)
Motif name: Klf7_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 15
Similarity score: 0.0382733

Alignment:
DHHDGGGCGRGGKHBH
BTRGGDCARAGGKCA-

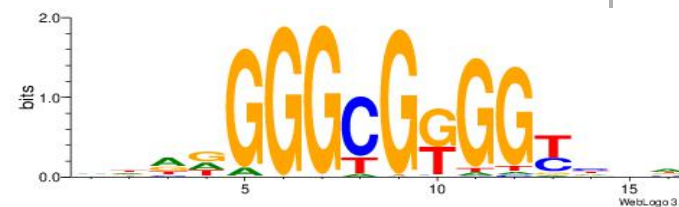
Original motif

Reverse complement motif

Consensus sequence: HBDRCMCGCCCHHHD



Consensus sequence: DHHDGGGCGRGGKHBH



Motif ID: [UP00055](#)
Motif name: Hbp1_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 15
Similarity score: 0.0397168

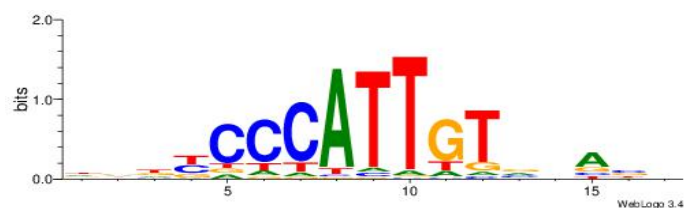
Alignment:

DDDYCCCATTGTVHABH

BTRGGDCARAGGKCA--

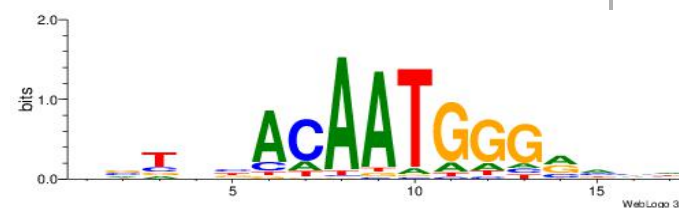
Original motif

Consensus sequence: DDDYCCCATTGTVHABH



Reverse complement motif

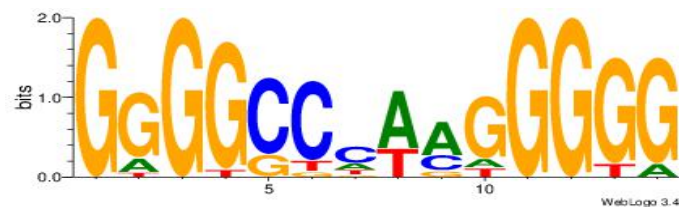
Consensus sequence: HBTHVACAATGGGMDHD



Dataset #: 3 **Motif ID: 37** **Motif name: PLAG1**

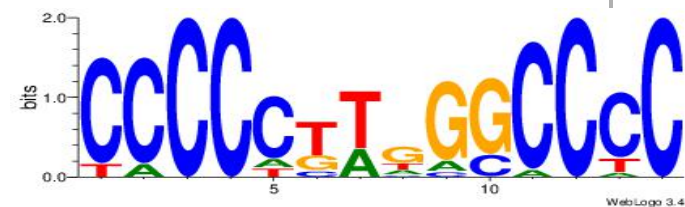
Original motif

Consensus sequence: GGGGCCCAAGGGGG



Reverse complement motif

Consensus sequence: CCCCCTTGGGCCCC



Best Matches for Motif ID 37 (Highest to Lowest)

Motif ID:	UP00102
Motif name:	Zic1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0499525

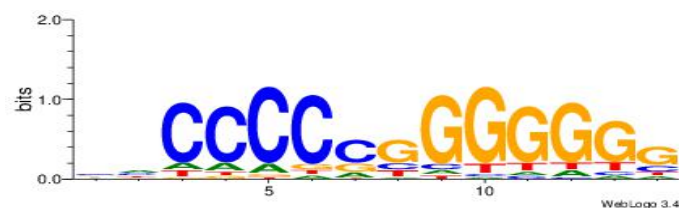
Alignment:

CCCCCCCCGGGGGHB

CCCCCTTGGGCCCC

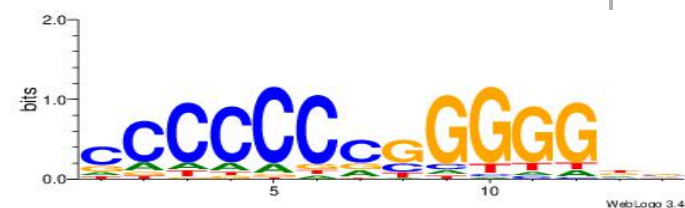
Original motif

Consensus sequence: BHCCCCCGGGGGG



Reverse complement motif

Consensus sequence: CCCCCCGGGGGHB



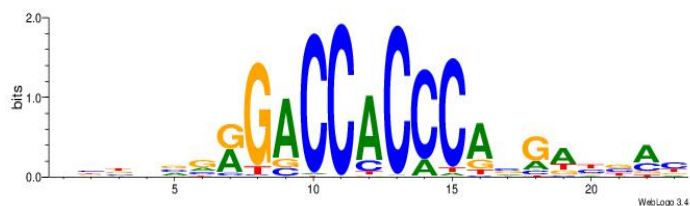
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0540613

Alignment:

BTBVTCTGGGTGGTCMVVDVBB
 -----CCCCCTGGGCCCC

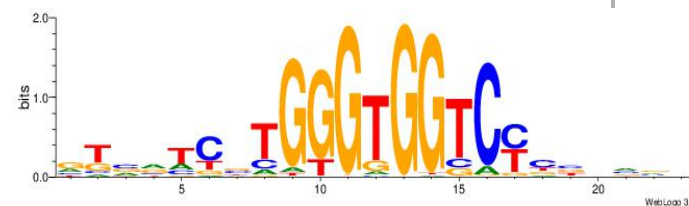
Original motif

Consensus sequence: BBBDVVRGACCACCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTGGGTGGTCMVVDVBB



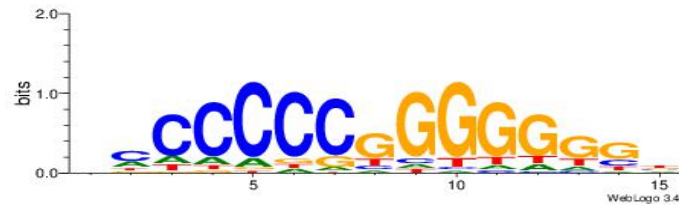
Motif ID: [UP00057](#)
 Motif name: Zic2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0548411

Alignment:

VCCCCCCCGGGGGRB
-CCCCCTTGGGCCCC

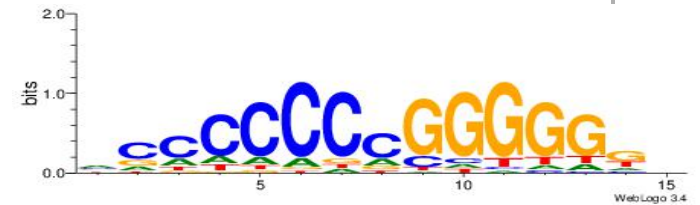
Original motif

Consensus sequence: BMCCCCCGGGGGGB



Reverse complement motif

Consensus sequence: VCCCCCCCGGGGGRB



Motif ID:	UP00005
Motif name:	Tcfap2a_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	14
Similarity score:	0.0556785

Alignment:

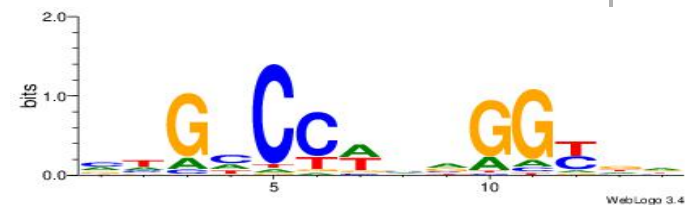
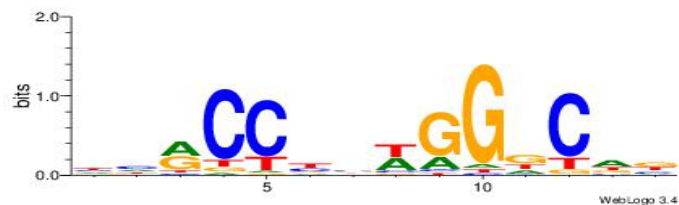
HHRCCBBWGGDCDB
GGGGCCCAAGGGG

Original motif

Consensus sequence: HHRCCBBWGGDCDB

Reverse complement motif

Consensus sequence: BDGHCCWBVGKDH



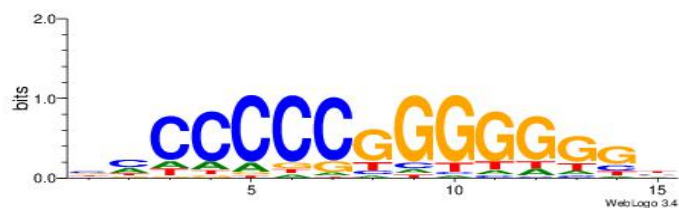
Motif ID: [UP00006](#)
 Motif name: Zic3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.056976

Alignment:

BMCCCCCGGGGGGB
 -CCCCCTTGGGCCCC

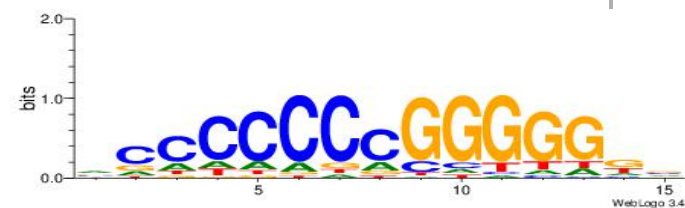
Original motif

Consensus sequence: BMCCCCCGGGGGGB



Reverse complement motif

Consensus sequence: VCCCCCGGGGGRB



Motif ID: [UP00540](#)

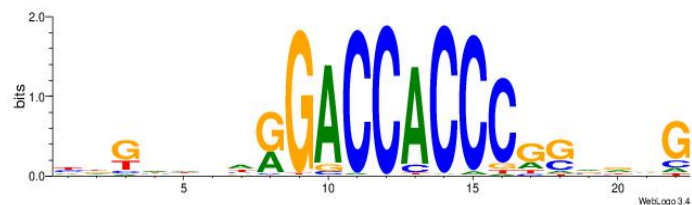
Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 9
 Number of overlap: 14
 Similarity score: 0.0573495

Alignment:

HDGHHBHRGACCACCCGSVDVG
 CCCCCTTGGGCCCC-----

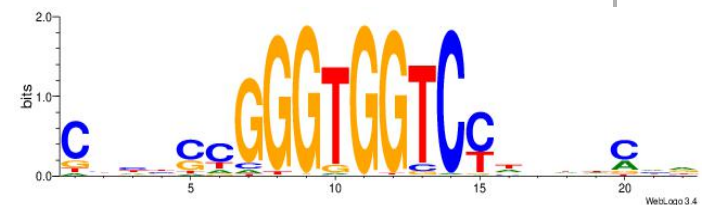
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 14

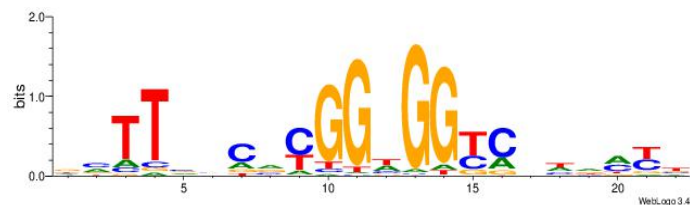
Similarity score: 0.0579022

Alignment:

VMYDHDGMCCHCCKBGVVAHVH
-----CCCCCTTGGGCCCC

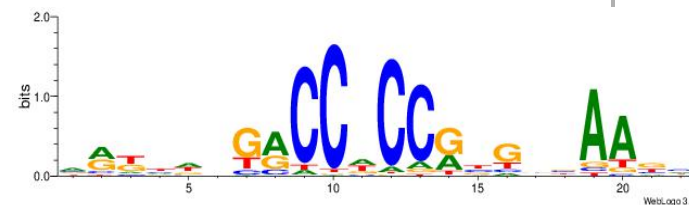
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAHVH



Motif ID: [UP00539](#)
Motif name: Gli2_v015681_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 9
Number of overlap: 14
Similarity score: 0.0580662

Alignment:

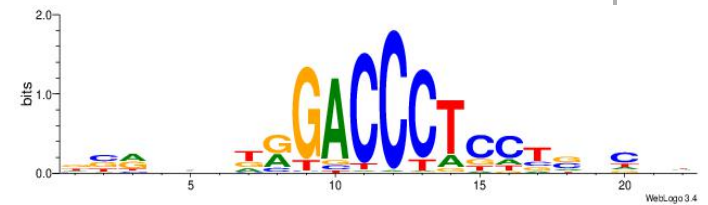
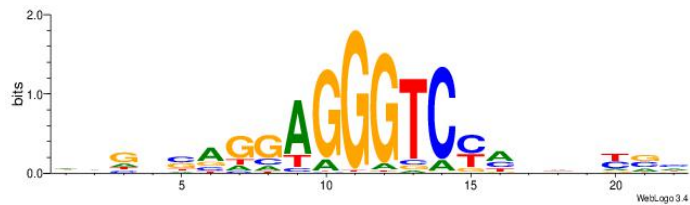
DVMHHDHKGACCCTCCTSVCBH
CCCCCTTGGGCCCC-----

Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH

Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0597453

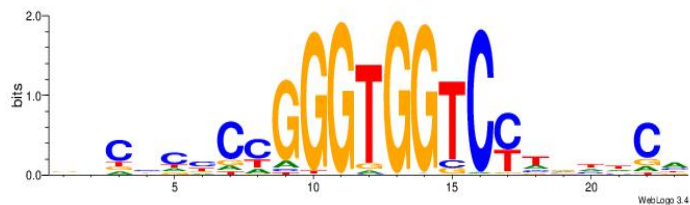
Alignment:

```

HGDHVKHGACCAACCGGBGBGDB
-----CCCCCTTGGGCCCC
  
```

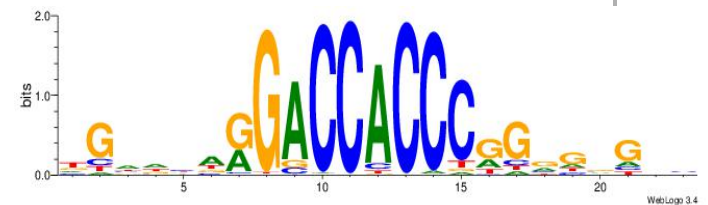
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVKHGACCAACCGGBGBGDB



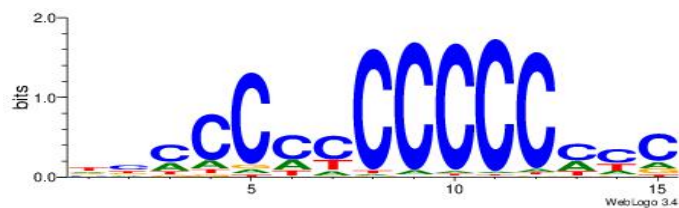
Motif ID: [UP00021](#)
 Motif name: Zfp281_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0598088

Alignment:

DBCCCCCCCCCMYC
 -CCCCCTTGGGCCCC

Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD



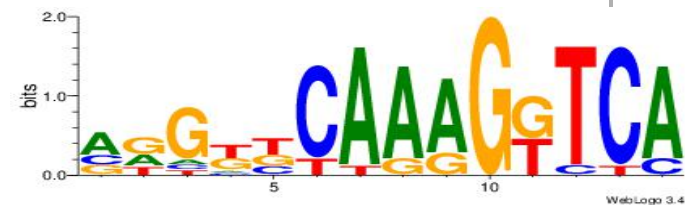
Dataset #: 3 Motif ID: 38 Motif name: NR2F1

Original motif

Consensus sequence: TGAMCTTTGMMCYT

Reverse complement motif

Consensus sequence: AKGYCAAAGRTCA



Best Matches for Motif ID 38 (Highest to Lowest)

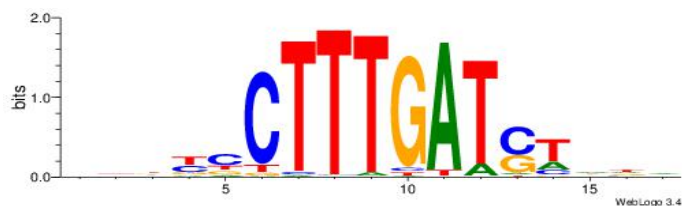
Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0452364

Alignment:

DDDYCCTTTGATSTDDV
 -TGAMCTTTGMMCYT--

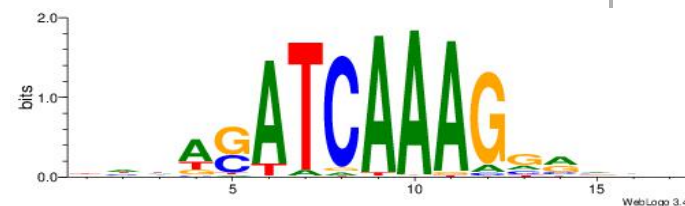
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGMDDD



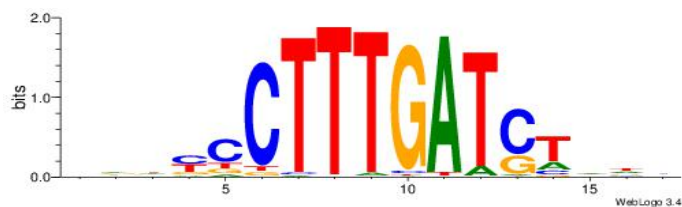
Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0453449

Alignment:

VDDAGATCAAAGGKDDD
 --AKGY YCAAAGRTCA--

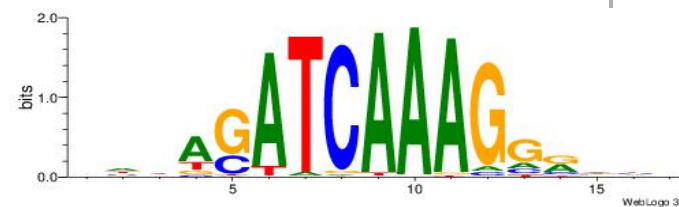
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD

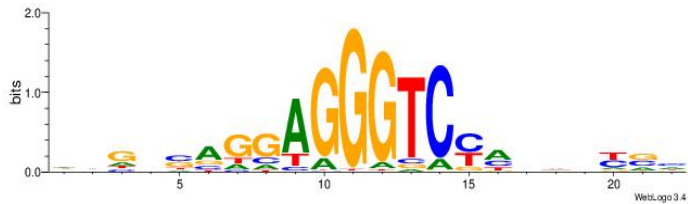


Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8

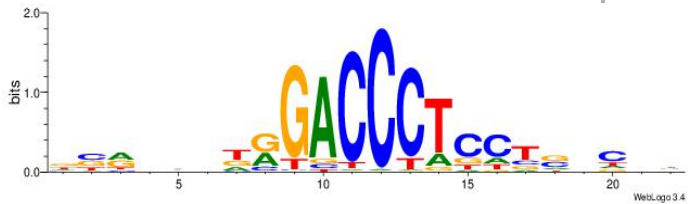
Number of overlap: 14
Similarity score: 0.0461358

Alignment:
DVMHHDHKGACCCTCCTSVCBH
-----TGAMCTTTGMMCYT-

Original motif
Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif
Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



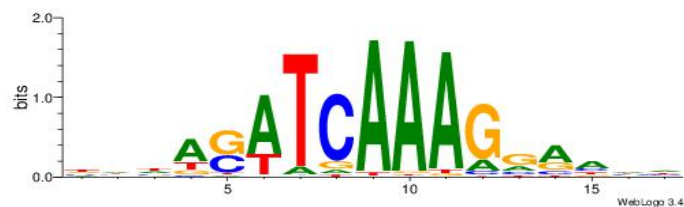
Motif ID: [UP00054](#)
Motif name: Tcf7_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0461768

Alignment:
BHHASATCAAAGGAHHH
--AKGYCAAAGRTCA-

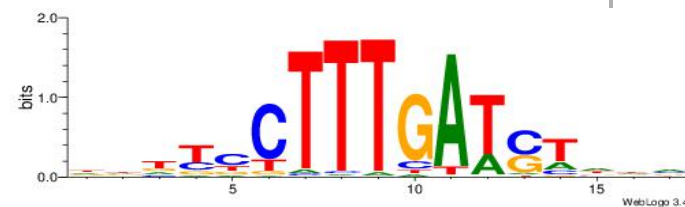
Original motif

Reverse complement motif

Consensus sequence: BHHASATCAAAGGAHHH



Consensus sequence: HHHTCCTTTGATSTHHV



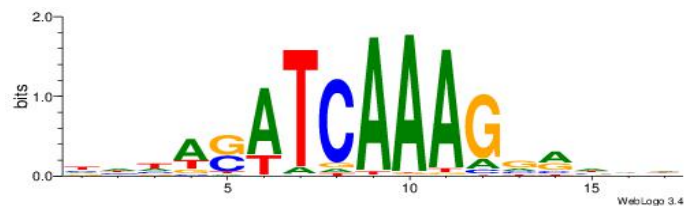
Motif ID: [UP00058](#)
Motif name: Tcf3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0473628

Alignment:

HHHASATCAAAGVRHHH
--AKGYTCAAAGRTCA--

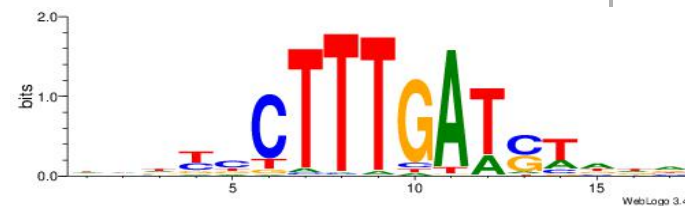
Original motif

Consensus sequence: HHHASATCAAAGVRHHH



Reverse complement motif

Consensus sequence: HHHKVCTTTGATSTHHH



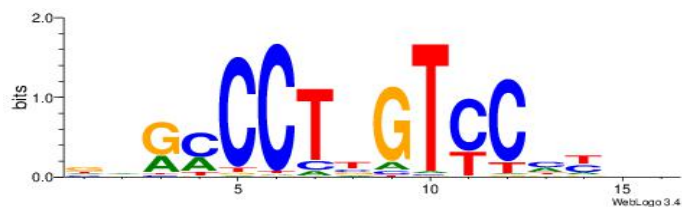
Motif ID: [UP00082](#)
 Motif name: Zfp187_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0480188

Alignment:

DDGMCCTBGTCCHYHV
 TGAMCTTTGMMCYT--

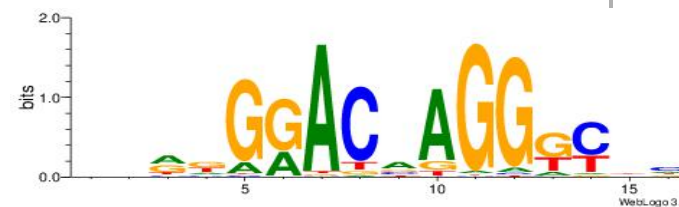
Original motif

Consensus sequence: DDGMCCTBGTCCHYHV



Reverse complement motif

Consensus sequence: VHMDGGACVAGGRCDH



Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2

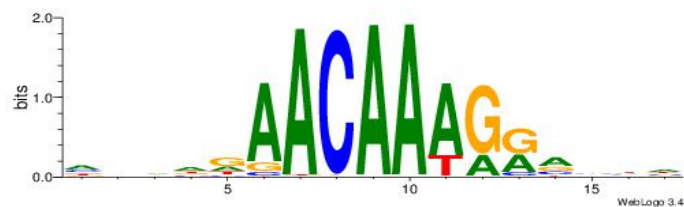
Number of overlap: 14
Similarity score: 0.0495447

Alignment:

HHBBMCTTTGTTTHDDBH
-TGAMCTTTGMMCYT--

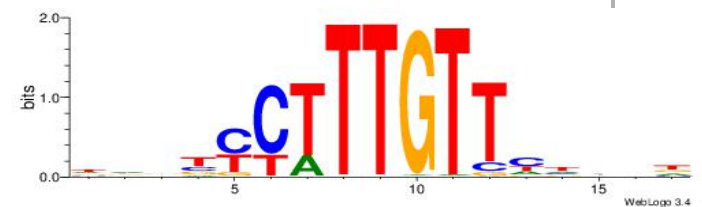
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTTHDDBH



Motif ID: [UP00030](#)
Motif name: Sox11_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 14
Similarity score: 0.0499033

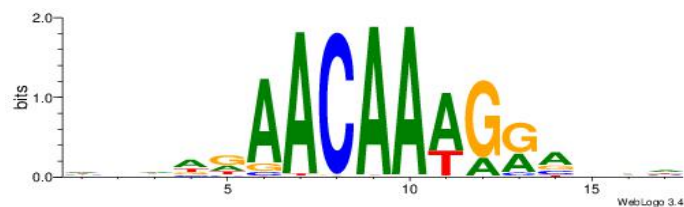
Alignment:

HHBTMCTTTGTTMDDVH
-TGAMCTTTGMMCYT--

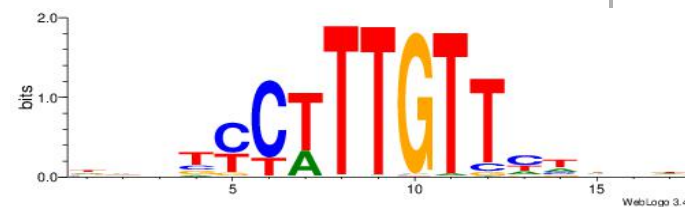
Original motif

Reverse complement motif

Consensus sequence: HBDDRAACAAAGRABHH



Consensus sequence: HHBTMCTTTGTTMDDVH



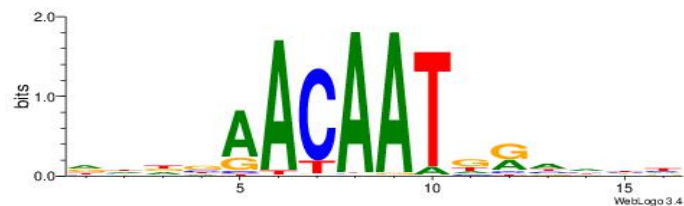
Motif ID: [UP00023](#)
Motif name: Sox30_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 14
Similarity score: 0.0511534

Alignment:

DHDBAACAATDRHHHH
--TGAMCTTTGMMCCT

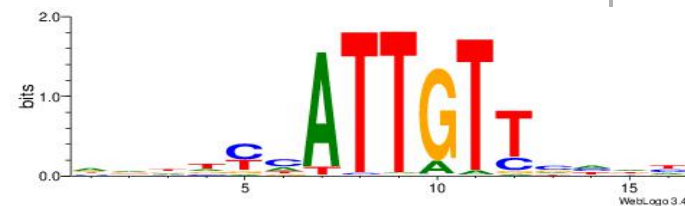
Original motif

Consensus sequence: DHDBAACAATDRHHHH



Reverse complement motif

Consensus sequence: HHHHMHATTGTTBDHD



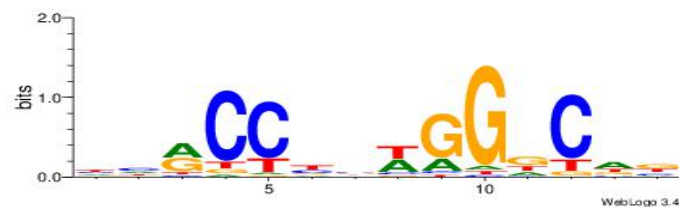
Motif ID: [UP000005](#)
 Motif name: Tcfap2a_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0516973

Alignment:

BDGHCCWBVGKDH
 AKGY YCAAAGRTCA

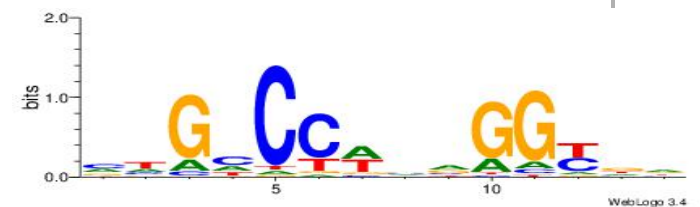
Original motif

Consensus sequence: HHRCCBBWGGDCDB



Reverse complement motif

Consensus sequence: BDGHCCWBVGKDH



Dataset #: 3 **Motif ID: 39** **Motif name: MZF1_1-4**

Original motif

Consensus sequence: BGGGGA

Reverse complement motif

Consensus sequence: TCCCCV



Best Matches for Motif ID 39 (Highest to Lowest)

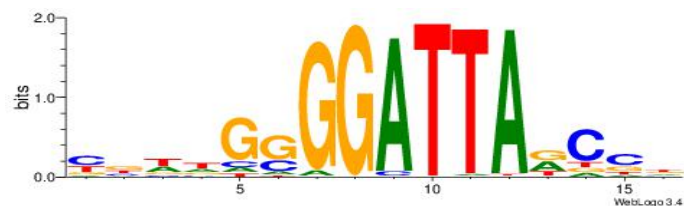
Motif ID: [UP00176](#)
 Motif name: Crx
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 6
 Similarity score: 0

Alignment:

DGGMTAATCCCCDWBK
 -----TCCCCV---

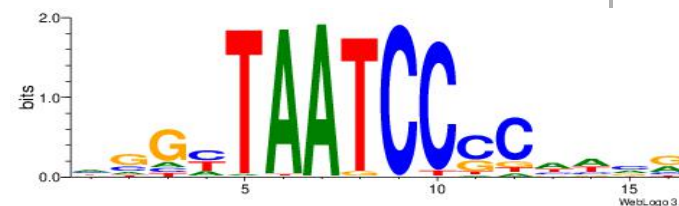
Original motif

Consensus sequence: YBWDGGGGATTARCCD



Reverse complement motif

Consensus sequence: DGGMTAATCCCCDWBK



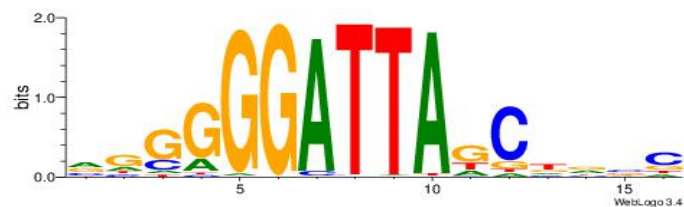
Motif ID: [UP00265](#)
 Motif name: Pitx3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 6
 Similarity score: 0.00193291

Alignment:

GBHDGCTAATCCCCCB
 -----TCCCCV-

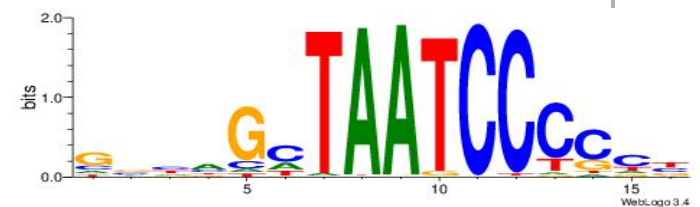
Original motif

Consensus sequence: VGGGGGATTAGCDDBC



Reverse complement motif

Consensus sequence: GBHDGCTAATCCCCCB



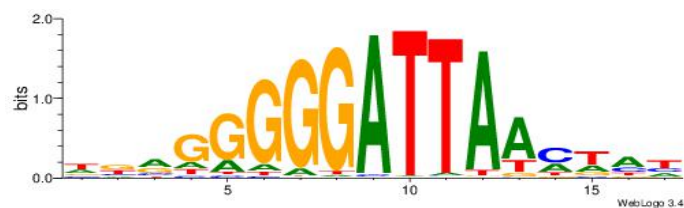
Motif ID: [UP00239](#)
 Motif name: Obox2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9

Number of overlap: 6
Similarity score: 0.00284735

Alignment:
HTARTTAATCCCCCKBD
-----TCCCV---

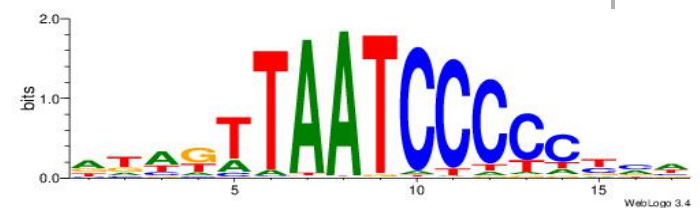
Original motif

Consensus sequence: DBRGGGGGATTAAMTAH



Reverse complement motif

Consensus sequence: HTARTTAATCCCCCKBD



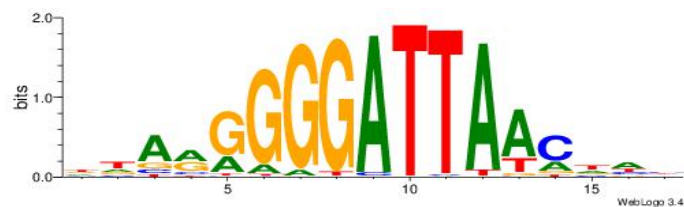
Motif ID: [UP00216](#)
Motif name: Obox1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 9
Number of overlap: 6
Similarity score: 0.00461976

Alignment:
DDARGGGGATTAACDHH
---BGGGA-----

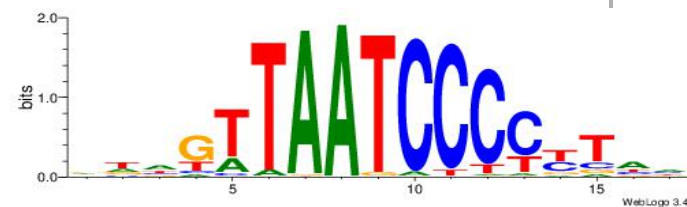
Original motif

Reverse complement motif

Consensus sequence: DDARGGGGATTAACDHH



Consensus sequence: DHDGTTAATCCCCCKTDD



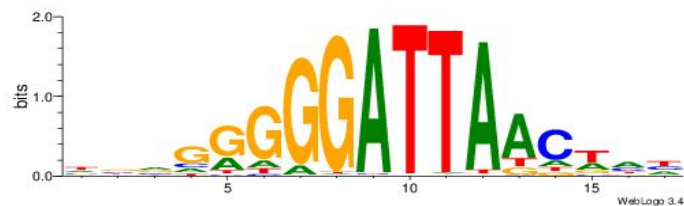
Motif ID: [UP00160](#)
Motif name: Obox3
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 9
Number of overlap: 6
Similarity score: 0.00641818

Alignment:

```
HHWGTTAATCCCCBBH  
-----TCCCCV----
```

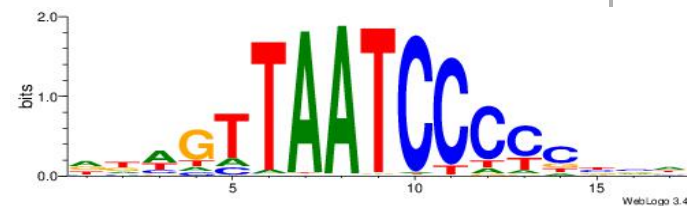
Original motif

Consensus sequence: HBVGGGGGATTAACWHH



Reverse complement motif

Consensus sequence: HHWGTTAATCCCCBBH



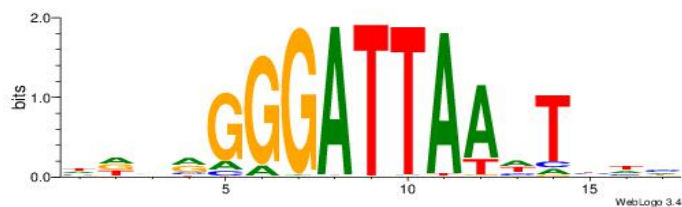
Motif ID: [UP00208](#)
 Motif name: Obox5_2284.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 10
 Number of overlap: 6
 Similarity score: 0.0110256

Alignment:

HDVRGGGATTAAHTHHH
 --BGGGGA-----

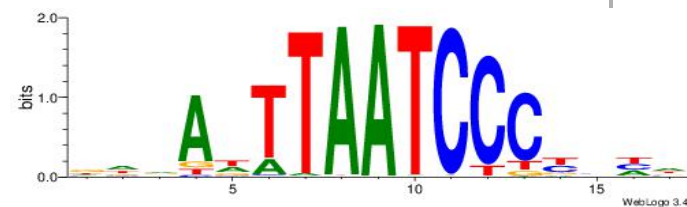
Original motif

Consensus sequence: HDVRGGGATTAAHTHHH



Reverse complement motif

Consensus sequence: DHHAHTTAATCCCKVDH

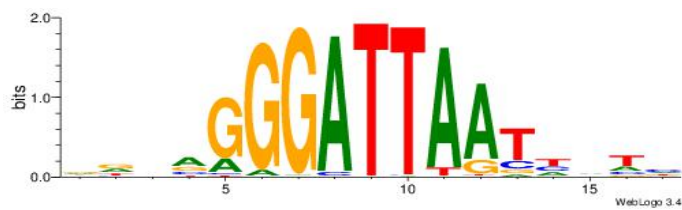


Motif ID: [UP00143](#)
 Motif name: Dobox5
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3

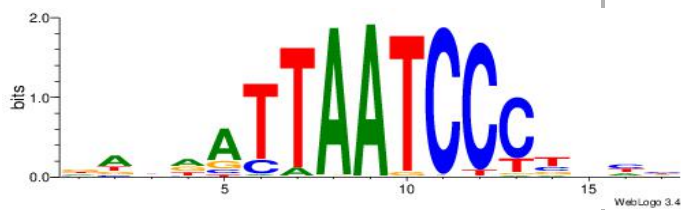
Number of overlap: 6
Similarity score: 0.0136568

Alignment:
DDHVGGGATTAATHDTH
--BGGGA-----

Original motif
Consensus sequence: DDHVGGGATTAATHDTH



Reverse complement motif
Consensus sequence: DADHATTAATCCCBHHH



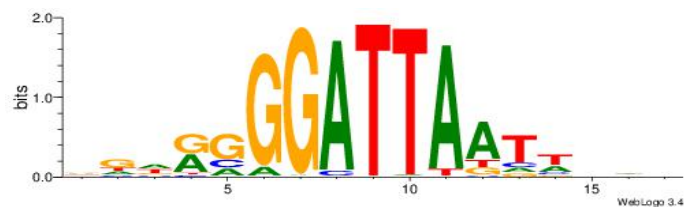
Motif ID: [UP00229](#)
Motif name: Otx1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 10
Number of overlap: 6
Similarity score: 0.0138939

Alignment:
DDDRGGGATTAATWHHB
--BGGGA-----

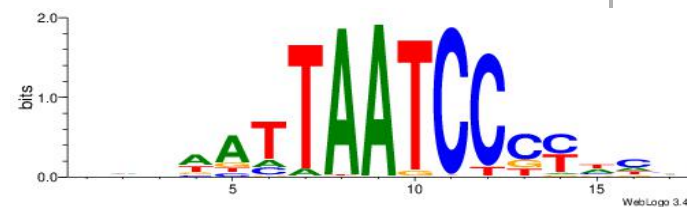
Original motif

Reverse complement motif

Consensus sequence: DDRRGGGATTAATWHHB



Consensus sequence: VHHWATTAATCCCMDHH



Motif ID: [UP00267](#)
Motif name: Otx2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 10
Number of overlap: 6
Similarity score: 0.016387

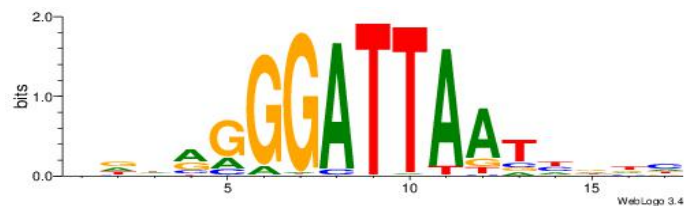
Alignment:

DDDRGGGATTAATHDDH

--BGGGGA-----

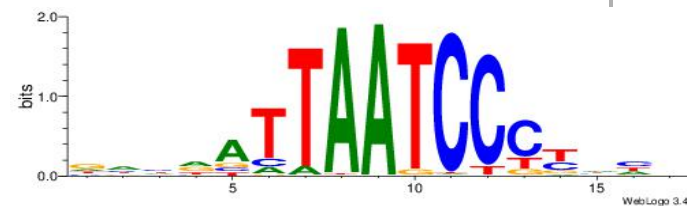
Original motif

Consensus sequence: DDRRGGGATTAATHDDH



Reverse complement motif

Consensus sequence: DDHHATTAATCCCKDHD



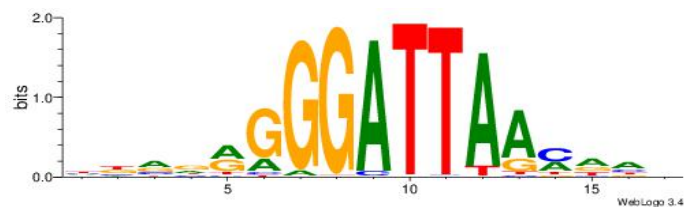
Motif ID: [UP00153](#)
 Motif name: Pitx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 9
 Number of overlap: 6
 Similarity score: 0.0164951

Alignment:

HBVDRGGGATTAAMDHH
 ---BGGGA-----

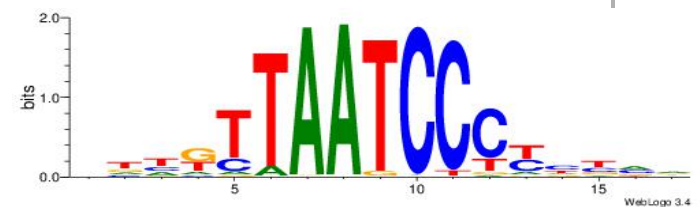
Original motif

Consensus sequence: HBVDRGGGATTAAMDHH



Reverse complement motif

Consensus sequence: HHDRTTAATCCCKHBVH



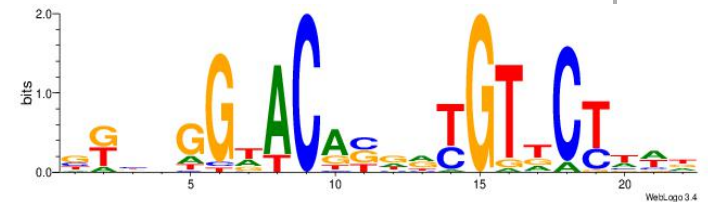
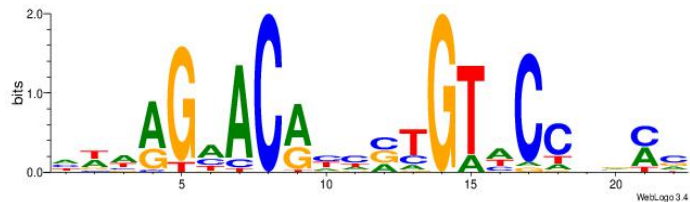
Dataset #: 3 Motif ID: 40 Motif name: Ar

Original motif

Consensus sequence: HWDAGHACRHHVTGTHCCHVMV

Reverse complement motif

Consensus sequence: VRVDGGHACAVDDKGTHTCTDWH



Best Matches for Motif ID 40 (Highest to Lowest)

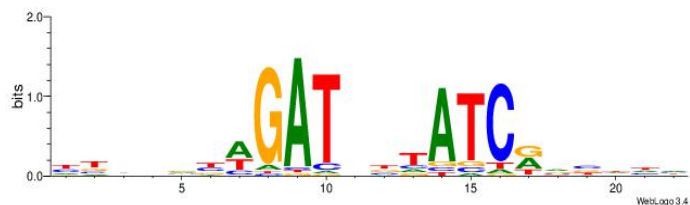
Motif ID: [UP00032](#)
 Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 22
 Similarity score: 0.0676991

Alignment:

HBHDVBWGATHBTATCRVBHHH
 HWDAGHACRHHVTGTHCCHVMV

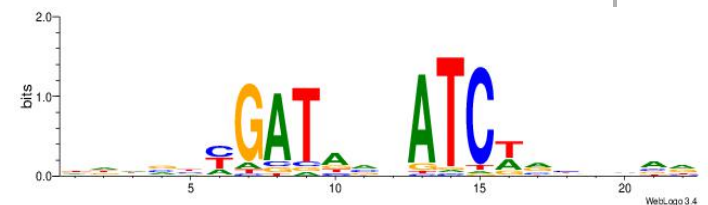
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVH



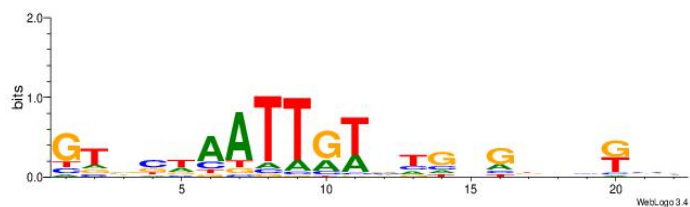
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 22
 Similarity score: 0.0692146

Alignment:

VVYDDDCHCAVACAATTDBVAC
 VRVDGGHACAVDDKGTHCTDWH

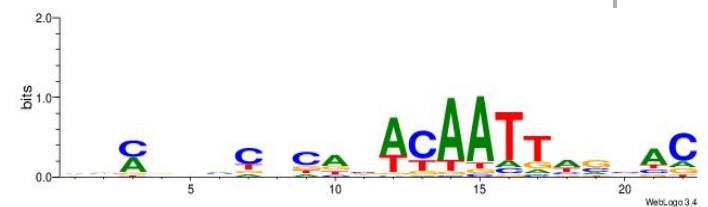
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 22

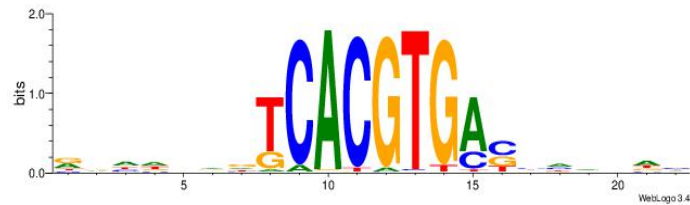
Similarity score: 0.0695612

Alignment:

DDHBHBSTCACGTGAHBBDHHM
VRVDGGHACAVDDKGTHCTDWH

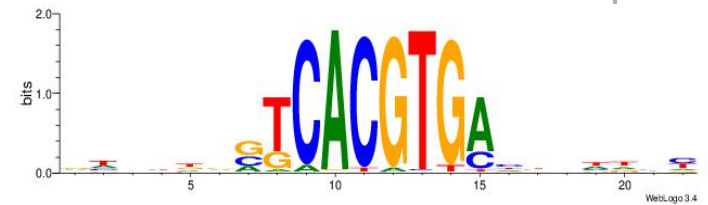
Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHHM



Motif ID: [UP00050](#)
Motif name: Bhlhb2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 22
Similarity score: 0.0771346

Alignment:

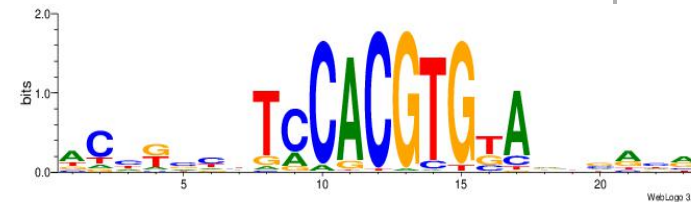
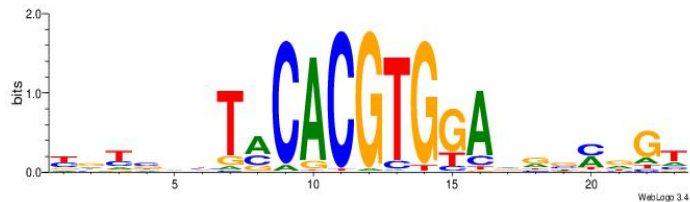
YDYBDHTMCACGTGGADDBMDGT
-HWDAGHACRHHVTGTHCCHVMV

Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT

Reverse complement motif

Consensus sequence: ACHRBHTCCACGTGYAHHBMHM



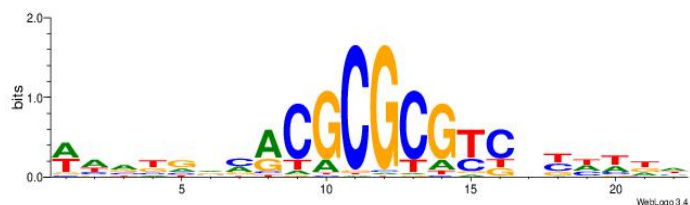
Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 22
 Similarity score: 0.0772045

Alignment:

WHVBVVMACGCGCGTCDYHWDH
 VRVDGGHACAVDDKGTHCTDWH

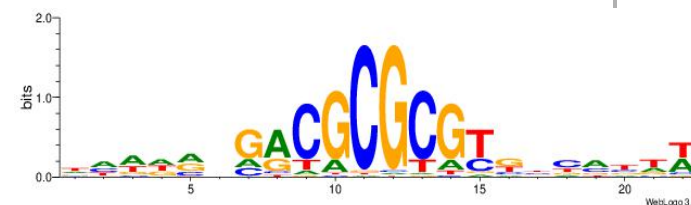
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



Motif ID: [UP00526](#)

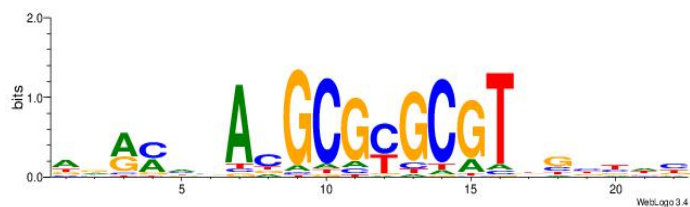
Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 22
 Similarity score: 0.077433

Alignment:

BDVBCDACGCKCGCGTBHRKHD
 VRVDGGHACAVDDKGTHCTDWH

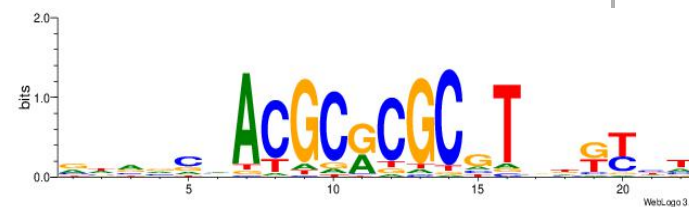
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



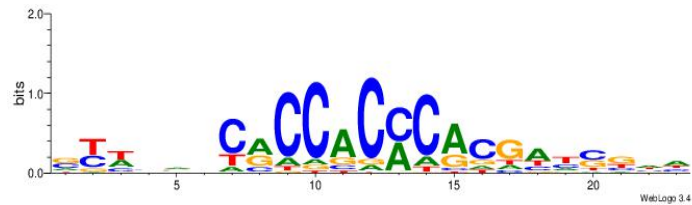
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 22
 Similarity score: 0.0776897

Alignment:

VYWVVHCRCCACMCACGAHSBHH
-HWDAGHACRHHVTGTHCCHVMV

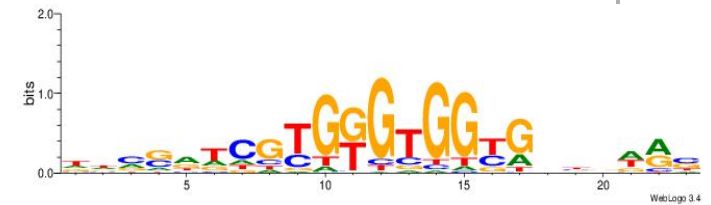
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGK GDBVWMV



Motif ID:	UP00528
Motif name:	Foxm1_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	22
Similarity score:	0.0787977

Alignment:

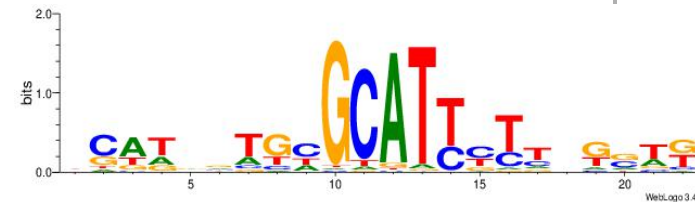
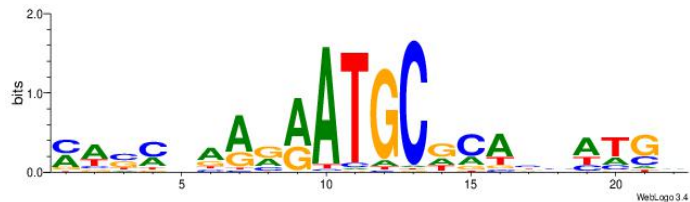
MWSMBAARRATGCD CABHATGD
HWDAGHACRHHVTGTHCCHVMV

Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD

Reverse complement motif

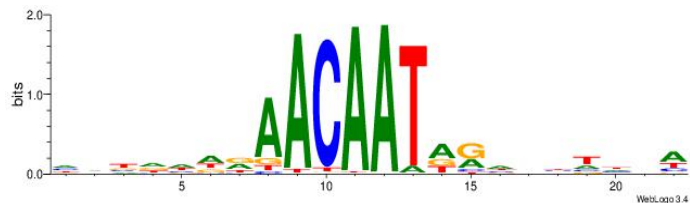
Consensus sequence: DCATDBTGHGCATKMTTBRSWR



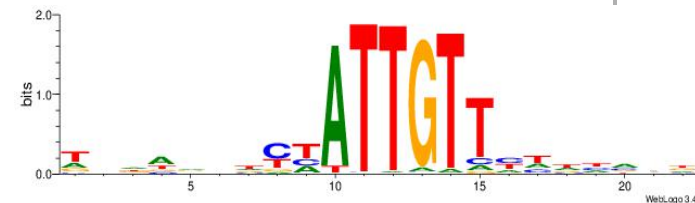
Motif ID: [UP00034](#)
 Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 22
 Similarity score: 0.0792723

Alignment:
 HHBDHDDAACAATDRHHHHHBW
 HWDAGHACRHHVTGTHCCHVMV

Original motif
 Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif
 Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary

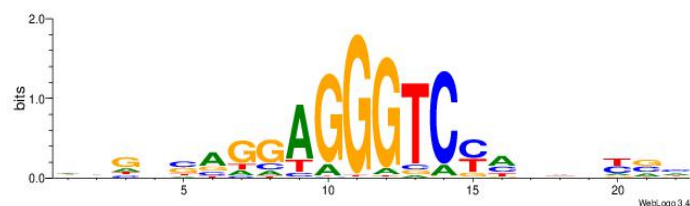
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 22
 Similarity score: 0.0799314

Alignment:

HVGVSAGGAGGGTCYHHHHYVH
 HWDAGHACRHHVTGTHCCHVMV

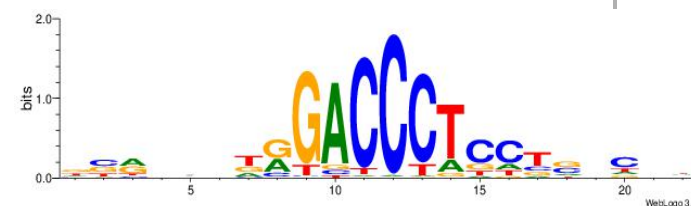
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



Dataset #: 3 **Motif ID: 41** **Motif name: Arnt**

Original motif

Consensus sequence: CACGTG



Reverse complement motif

Consensus sequence: CACGTG



Best Matches for Motif ID 41 (Highest to Lowest)

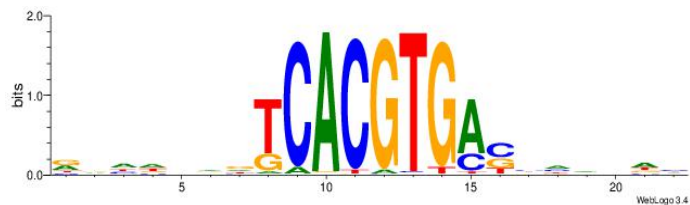
Motif ID: [UP00050](#)
Motif name: Bhlhb2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 9
Number of overlap: 6
Similarity score: 0

Alignment:

```
RDHDBVDTACAGTGASBHVHDH  
-----CACGTG-----
```

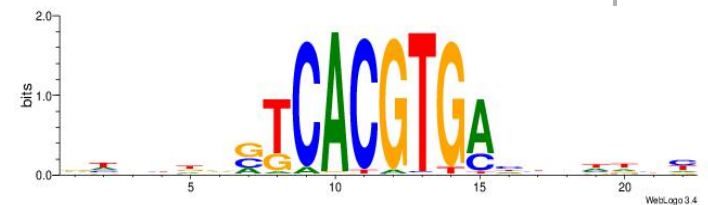
Original motif

Consensus sequence: RDHDBVDTACAGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHMH



Motif ID: [UP00050](#)
Motif name: Bhlhb2_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement

Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	9
Number of overlap:	6
Similarity score:	0.0026425

Alignment:

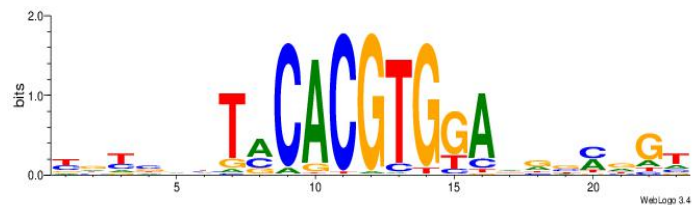
```

ACHRBHDTCCACGTGYAHBMMH
-----CACGTG-----

```

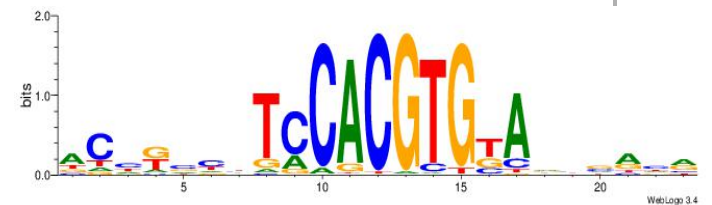
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHBMMH



Motif ID:	UP00060
Motif name:	Max_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	5
Number of overlap:	6
Similarity score:	0.0044422

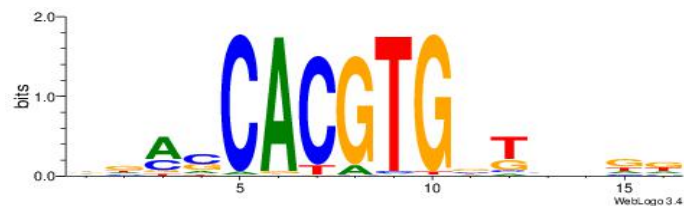
Alignment:

DDASCACGTGBTBVDD

-----CACGTG-----

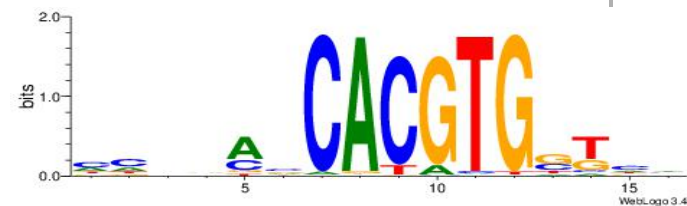
Original motif

Consensus sequence: DDASCACGTGBTBVDD



Reverse complement motif

Consensus sequence: HHVBABCACGTGSTHD



Motif ID:	UP00046
Motif name:	Tcfe2a_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	7
Number of overlap:	6
Similarity score:	0.0342153

Alignment:

DHDBHGCACCTGBDDVB

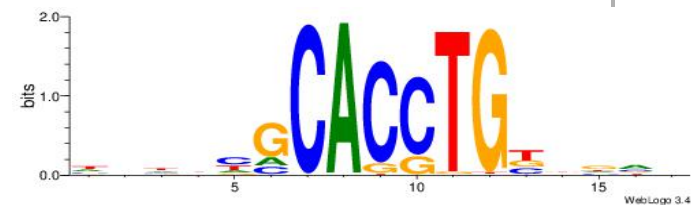
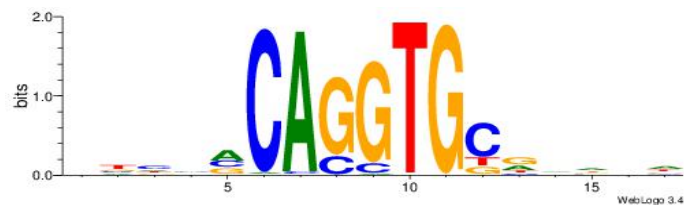
-----CACGTG-----

Original motif

Consensus sequence: VBHHVCAGGTGCDVDHD

Reverse complement motif

Consensus sequence: DHDBHGCACCTGBDDVB

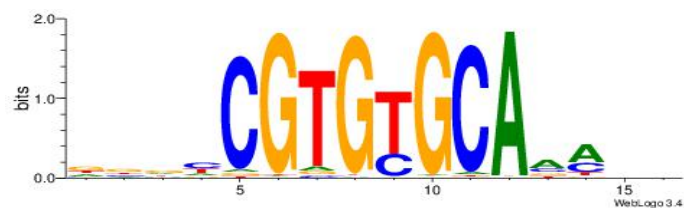


Motif ID: [UP00097](#)
 Motif name: Mtf1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 6
 Similarity score: 0.0471928

Alignment:
 HDYTTGCACACGDHBH
 -----CACGTG--

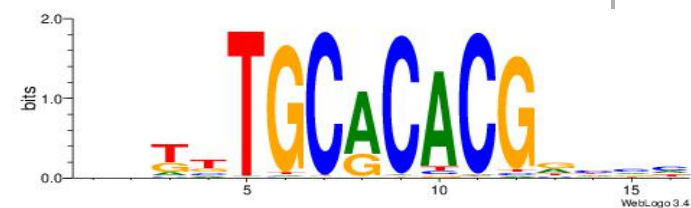
Original motif

Consensus sequence: DBDHC GTGTGCAAMDH



Reverse complement motif

Consensus sequence: HDYTTGCACACGDHBH



Motif ID: [UP00249](#)

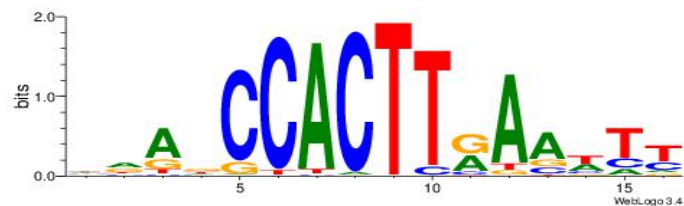
Motif name: Nkx2-5
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0482749

Alignment:

HDADCCACTTTRAAWTT
 -----CACGTG-----

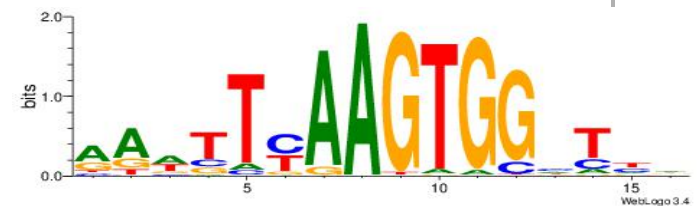
Original motif

Consensus sequence: HDADCCACTTTRAAWTT



Reverse complement motif

Consensus sequence: AAWTTMAAGTGGHTDH



Motif ID: [UP00060](#)
 Motif name: Max_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 6

Similarity score: 0.0485437

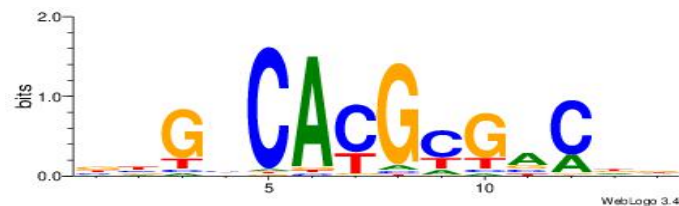
Alignment:

BBGHCACGCGACDD

-----CACGTG-----

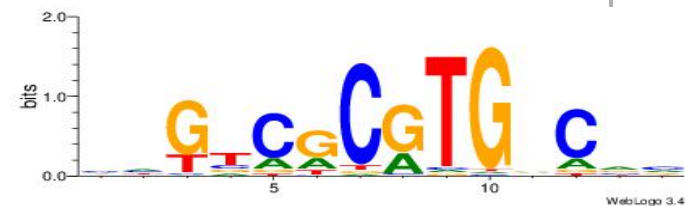
Original motif

Consensus sequence: BBGHCACGCGACDD



Reverse complement motif

Consensus sequence: HDGTGCGGTGDCVB



Motif ID: [UP00231](#)

Motif name: Nkx2-2

Species: Mus musculus

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 7

Number of overlap: 6

Similarity score: 0.0497234

Alignment:

DVDTKTCAAGTGGKBDH

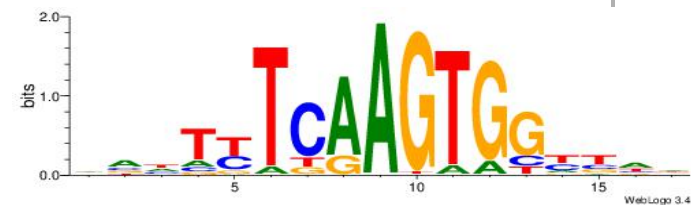
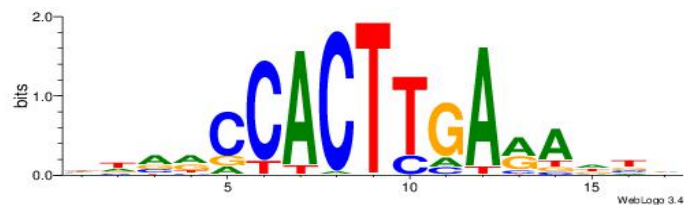
-----CACGTG-----

Original motif

Consensus sequence: HDVRCCAATTGARABD

Reverse complement motif

Consensus sequence: DVDTKTCAAGTGGKBDH

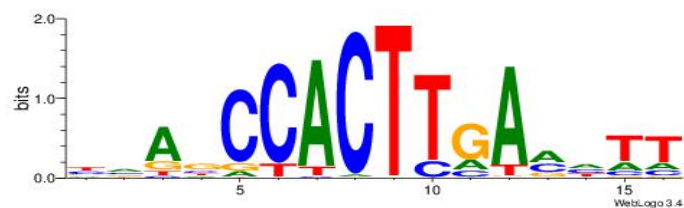


Motif ID: [UP00165](#)
 Motif name: Titf1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0498919

Alignment:
 AAHYTCAAGTGGBTBV
 -----CACGTG-----

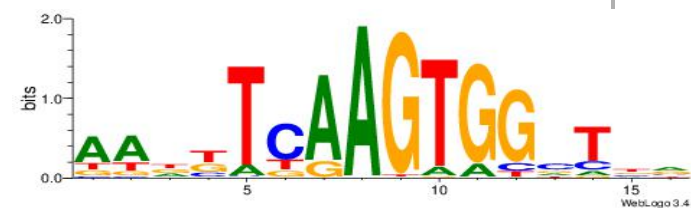
Original motif

Consensus sequence: BVABCCACTTGAMHTT



Reverse complement motif

Consensus sequence: AAHYTCAAGTGGBTBV



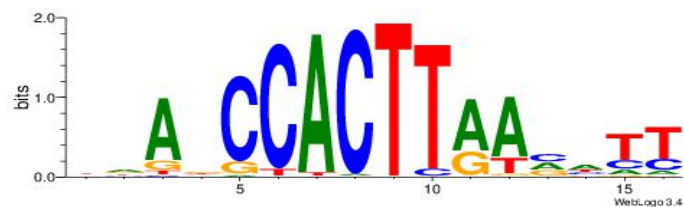
Motif ID: [UP00147](#)
 Motif name: Nkx2-6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0544601

Alignment:

DDADCCACTTAAVHTT
 -----CACGTG-----

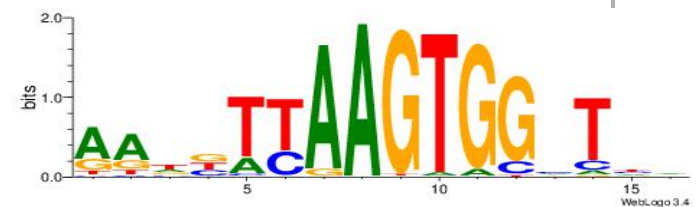
Original motif

Consensus sequence: DDADCCACTTAAVHTT



Reverse complement motif

Consensus sequence: AAHVTTAAGTGGHTDD



Dataset #: 3 Motif ID: 42 Motif name: ArntAhr

Original motif

Consensus sequence: YGCGTG

Reverse complement motif

Consensus sequence: CACGCM



Best Matches for Motif ID 42 (Highest to Lowest)

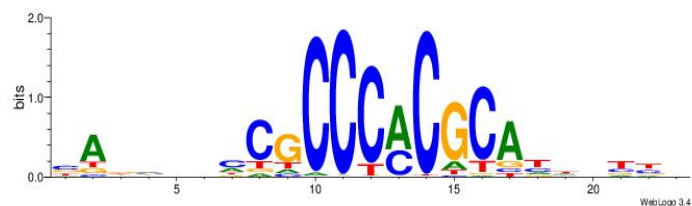
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0

Alignment:

VVVDHHTGCGYGGGCGDHHVHHTB
 -----YGCGTG-----

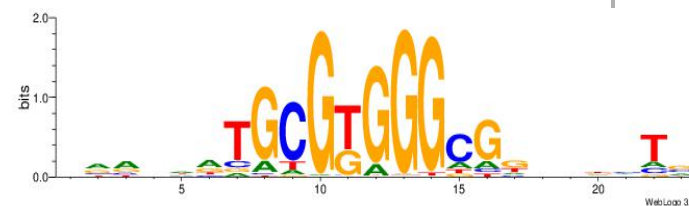
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHHTB

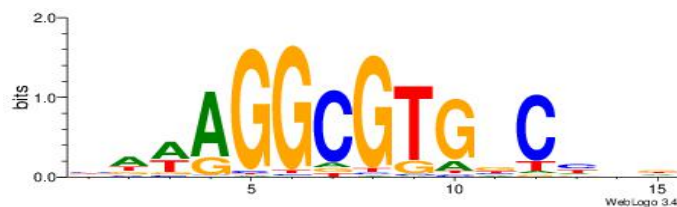


Motif ID: [UP00002](#)
 Motif name: Sp4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.00183587

Alignment:
 HHDGBCACGCCTWDB
 -----CACGCM-----

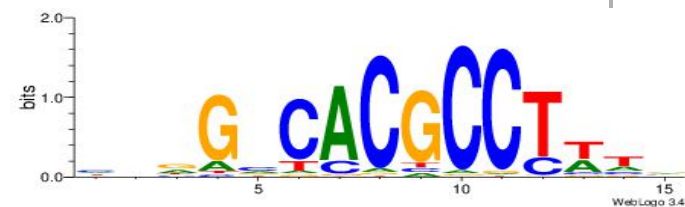
Original motif

Consensus sequence: BDWAGGCGTGBCHHD



Reverse complement motif

Consensus sequence: HHDGBCACGCCTWDB

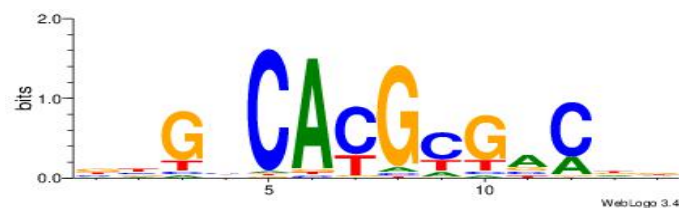


Motif ID: [UP00060](#)
 Motif name: Max_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5

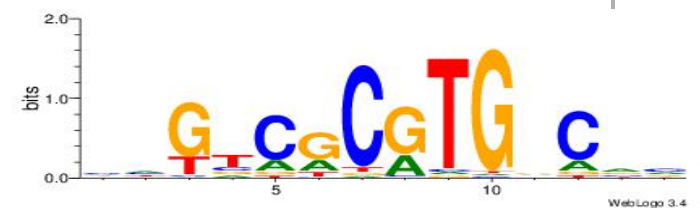
Number of overlap: 6
Similarity score: 0.00348048

Alignment:
HDGTCGCGTGDCVB
-----YGCGTG-----

Original motif
Consensus sequence: BBGHCACGCGACDD



Reverse complement motif
Consensus sequence: HDGTCGCGTGDCVB



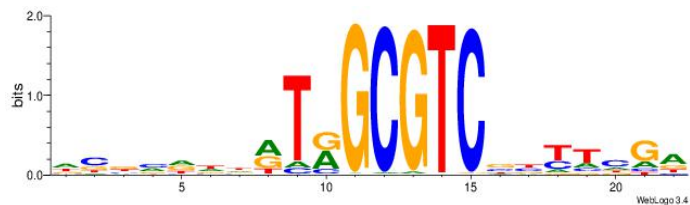
Motif ID: [UP00527](#)
Motif name: Foxn4_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 8
Number of overlap: 6
Similarity score: 0.00526158

Alignment:
TCDAMVBGACGCMACDDVBBD
-----CACGCM-----

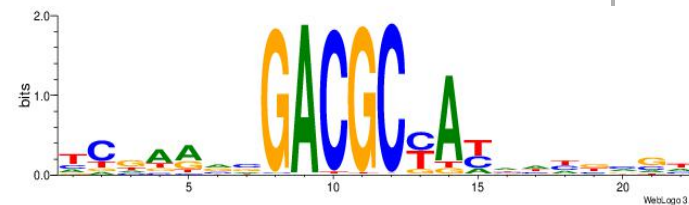
Original motif

Reverse complement motif

Consensus sequence: DBBVDDDRTRGCGTCBBYTHGA



Consensus sequence: TCDAMVBGACGCMAKDDDVBBDD



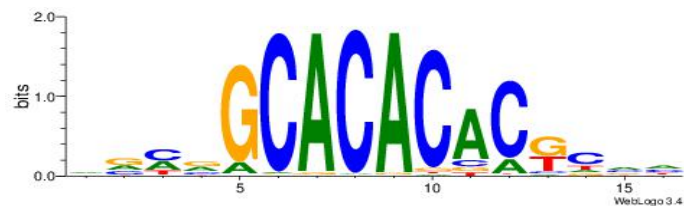
Motif ID: [UP00042](#)
Motif name: Gm397_second
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 8
Number of overlap: 6
Similarity score: 0.00558171

Alignment:

```
HBGYGTGTGTGCVRVD  
---YGCGTG-----
```

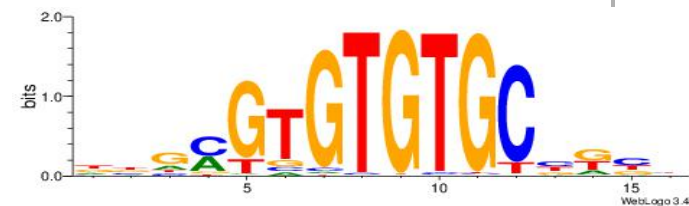
Original motif

Consensus sequence: DVMVGCACACACKCVH



Reverse complement motif

Consensus sequence: HBGYGTGTGTGCVRVD



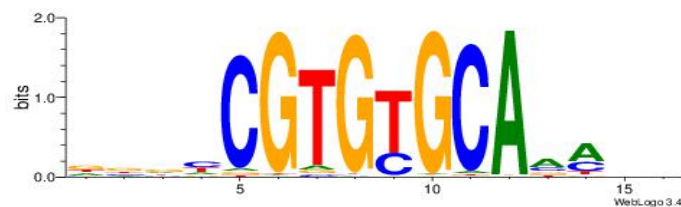
Motif ID: [UP00097](#)
 Motif name: Mtf1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 6
 Similarity score: 0.00702416

Alignment:

HDYTTGCACACGDHBH
 -----CACGCM--

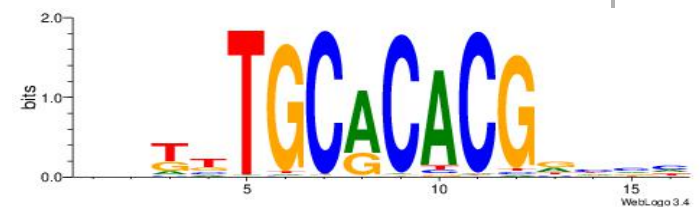
Original motif

Consensus sequence: DBDHC GTGTGCAAMDH



Reverse complement motif

Consensus sequence: HDYTTGCACACGDHBH



Motif ID: [UP00526](#)
 Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8

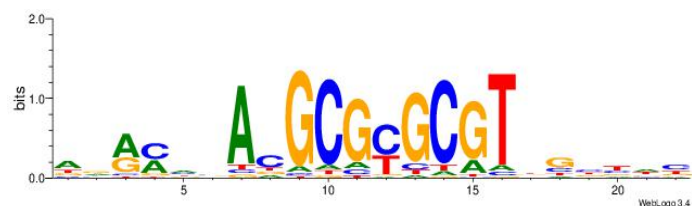
Number of overlap: 6
Similarity score: 0.0123233

Alignment:

DDRMHBACGCGYGCGTDGBBDB
-----YGCGTG-----

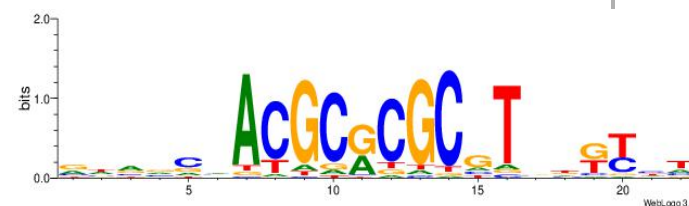
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



Motif ID: [UP00007](#)
Motif name: Egr1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 6
Similarity score: 0.0141579

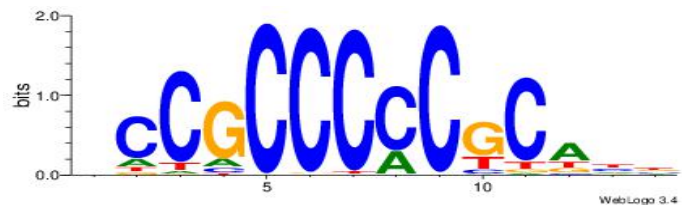
Alignment:

HCCGCCCCCGCAHB
-----CACGCM--

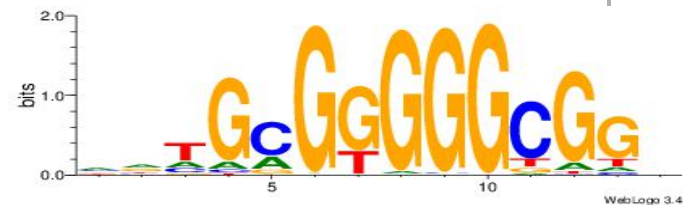
Original motif

Reverse complement motif

Consensus sequence: HCCGCCCCCGCAHB



Consensus sequence: VHTGCGGGGGCGGH



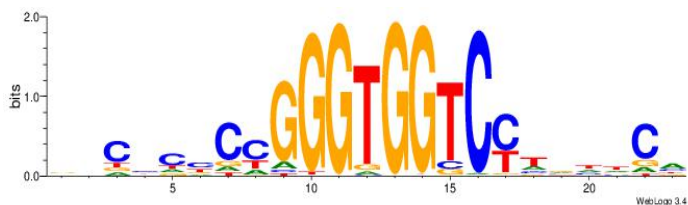
Motif ID: [UP00538](#)
Motif name: Gli1_v016060_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 11
Number of overlap: 6
Similarity score: 0.0144485

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
-----YGCGTG-----

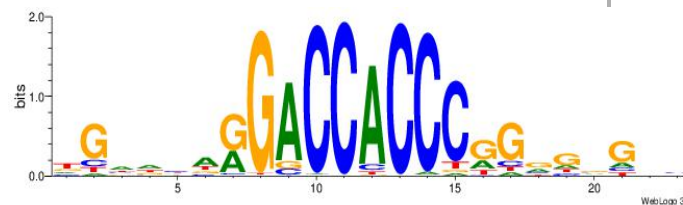
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVVHKGACCACCCGGBGBGDB



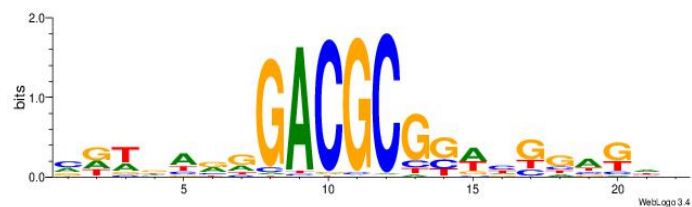
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 6
 Similarity score: 0.0172109

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
 -----YGCGTG-----

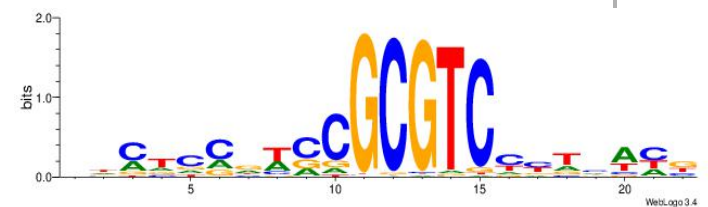
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Dataset #: 3 Motif ID: 43 Motif name: E2F1

Original motif

Consensus sequence: TTTSGCGC

Reverse complement motif

Consensus sequence: GCGCSAAA



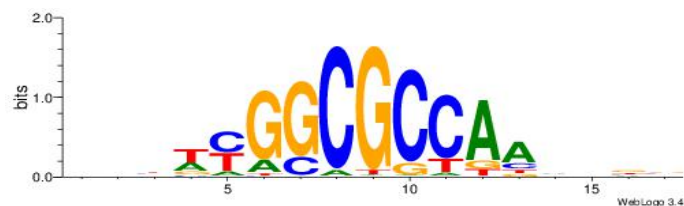
Best Matches for Motif ID 43 (Highest to Lowest)

Motif ID: [UP00001](#)
 Motif name: E2F2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 8
 Similarity score: 0

Alignment:
 BBBDTTGGCGCCKWVVD
 ---TTTSGCGC-----

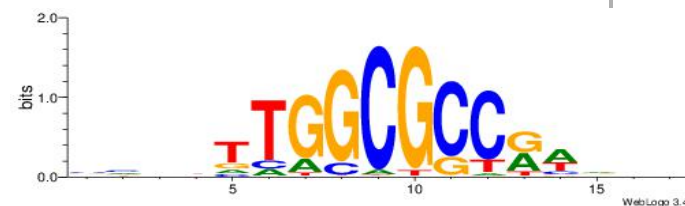
Original motif

Consensus sequence: HVBWYGGCGCCAADVBB



Reverse complement motif

Consensus sequence: BBBDTTGGCGCCKWVVD



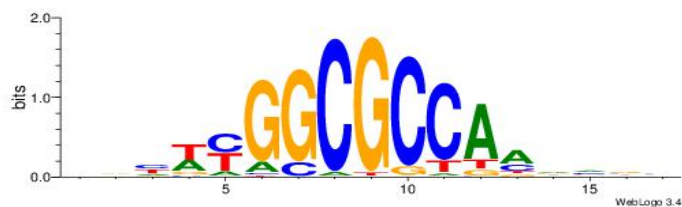
Motif ID: [UP00003](#)
 Motif name: E2F3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.00182028

Alignment:

HBHWYGGCGCCAMDVB
 -----GCGCSAAA---

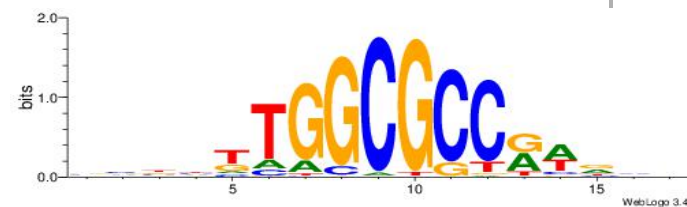
Original motif

Consensus sequence: HBHWYGGCGCCAMDVB



Reverse complement motif

Consensus sequence: BBBDYTGGCGCCKWDBD



Motif ID: [UP00072](#)
 Motif name: IRC900814_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5

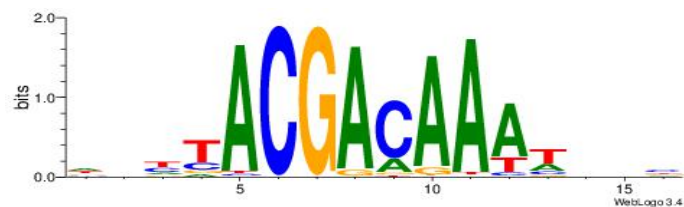
Number of overlap: 8
Similarity score: 0.0237639

Alignment:

DDHTACGACAAWDDDB
-----GCGCSAAA-----

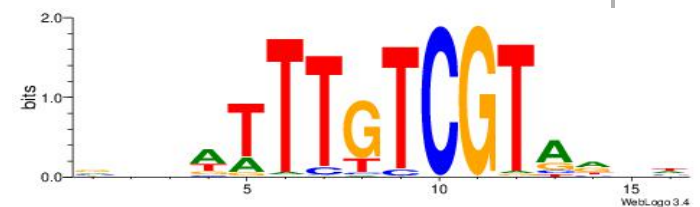
Original motif

Consensus sequence: DDHTACGACAAWDDDB



Reverse complement motif

Consensus sequence: BHDWTTTGTTCGTAHDD



Motif ID: [UP00003](#)
Motif name: E2F3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 8
Similarity score: 0.0275636

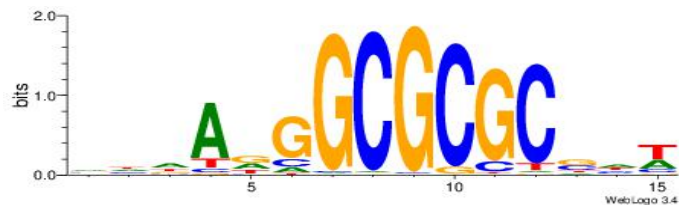
Alignment:

WHS GCGCGCCHTDHB
-----GCGCSAAA--

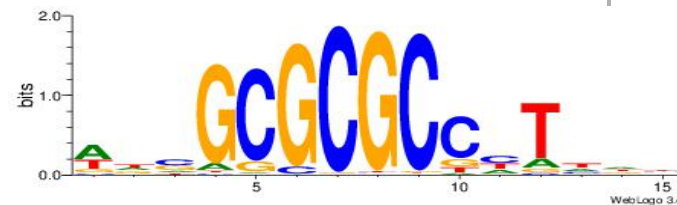
Original motif

Reverse complement motif

Consensus sequence: VHDADGGCGCGCSHW



Consensus sequence: WHSGCGCGCCHTDHB



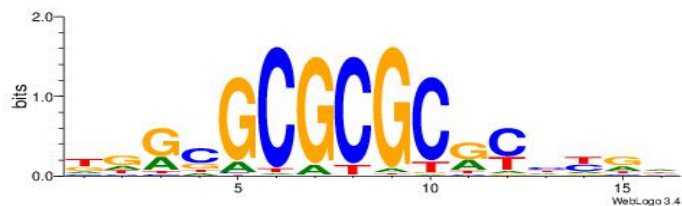
Motif ID: [UP00065](#)
Motif name: Zfp161_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 9
Number of overlap: 8
Similarity score: 0.028109

Alignment:

DMMDGMGCGCGCGCHD
-----GCGCSAAA

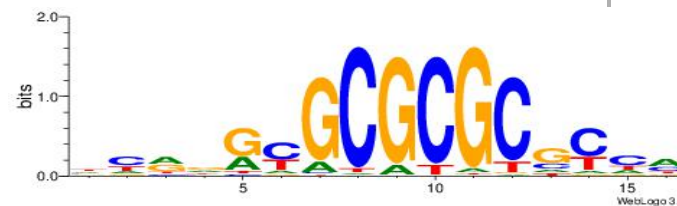
Original motif

Consensus sequence: DDGCGCGCGCRCHYRD



Reverse complement motif

Consensus sequence: DMMDGMGCGCGCGCHD



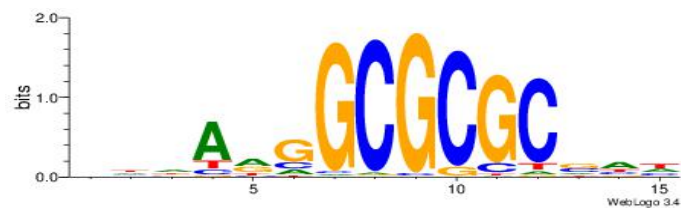
Motif ID: [UP00001](#)
 Motif name: E2F2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0296302

Alignment:

VHDARGGCGCGCVHH
 --TTTSGCGC-----

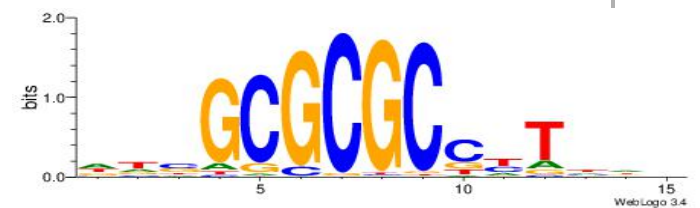
Original motif

Consensus sequence: VHDARGGCGCGCVHH



Reverse complement motif

Consensus sequence: HHVGCGCGCKTDHB



Motif ID: [UP00068](#)
 Motif name: Eomes_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7

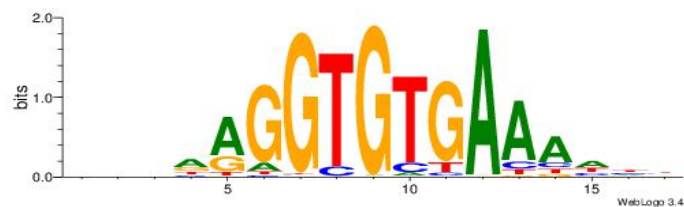
Number of overlap: 8
Similarity score: 0.0348969

Alignment:

BVHDAGGTGTGAAHHH
-----GCGCSAAA---

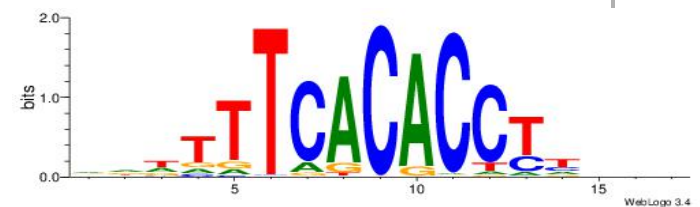
Original motif

Consensus sequence: BVHDAGGTGTGAAHHH



Reverse complement motif

Consensus sequence: HHHTTTCACACCTDHBV



Motif ID: [UP00011](#)
Motif name: Irf6_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 8
Number of overlap: 8
Similarity score: 0.0368278

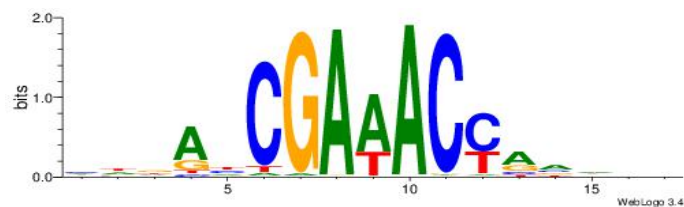
Alignment:

DHDBTKGTTTCGHTHDD
-----TTTSGCGC--

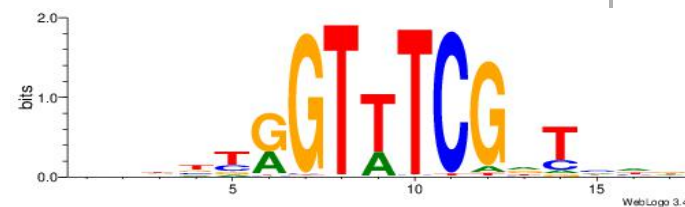
Original motif

Reverse complement motif

Consensus sequence: HDDAHCGAAACYAVDDD



Consensus sequence: DHDBTKGTTTCGHTHDD



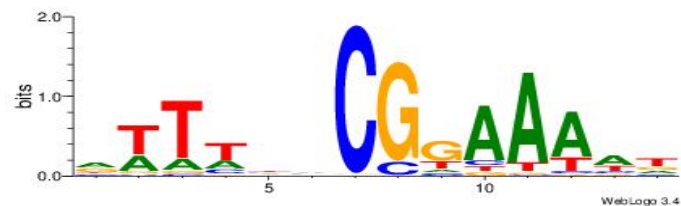
Motif ID: [UP00049](#)
Motif name: Sp100_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 8
Similarity score: 0.0383813

Alignment:

DWTTTCCGHHWAWD
-----GCGCSAAA--

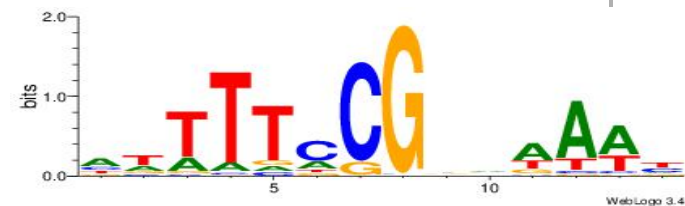
Original motif

Consensus sequence: DWTWHHCGGAAAWD



Reverse complement motif

Consensus sequence: DWTTTCCGHHWAWD



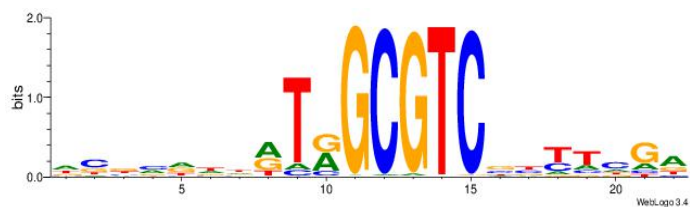
Motif ID: [UP00527](#)
 Motif name: Foxn4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 8
 Similarity score: 0.0406002

Alignment:

TCDAMVBGACGCMKDDDVBBB
 -----GCGCSAAA-----

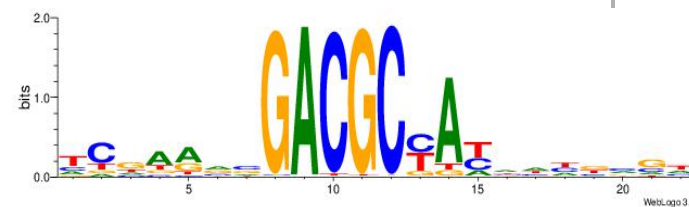
Original motif

Consensus sequence: DBBVDDDRTRGCGTCBBYTHGA



Reverse complement motif

Consensus sequence: TCDAMVBGACGCMKDDDVBBB



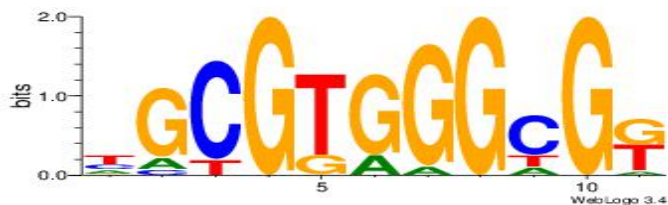
Dataset #: 3 Motif ID: 44 Motif name: Egr1

Original motif

Consensus sequence: HGCGTGGGCGK

Reverse complement motif

Consensus sequence: YCGCCACGCH



Best Matches for Motif ID 44 (Highest to Lowest)

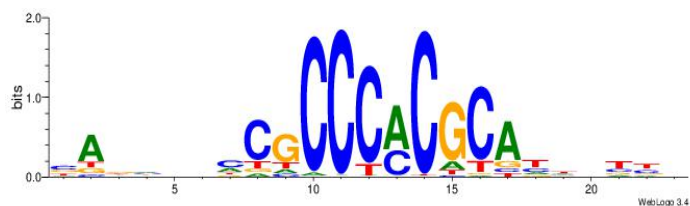
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0

Alignment:

VVVDHHTGCGYGGGCGDHSVHHTB
 -----HCGGTGGGCGK-----

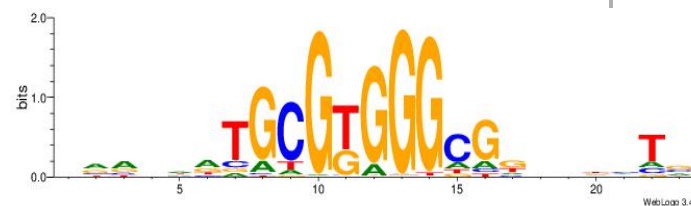
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB



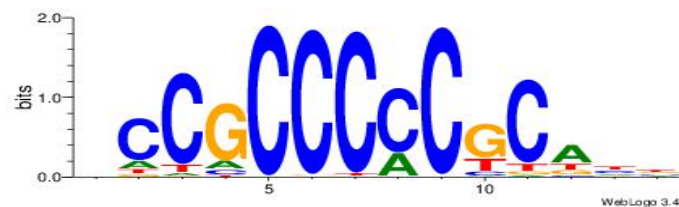
Motif ID: [UP00007](#)
 Motif name: Egr1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.00727533

Alignment:

HCCGCCCCCGCAHB
 -YCGCCCACGCH--

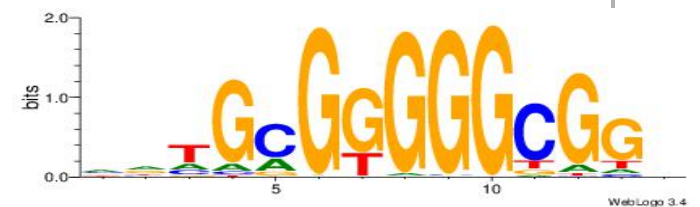
Original motif

Consensus sequence: HCCGCCCCCGCAHB



Reverse complement motif

Consensus sequence: VHTGCGGGGGCGGH

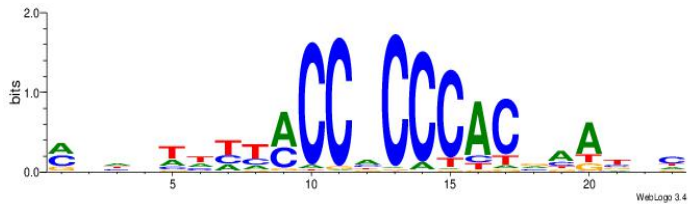


Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

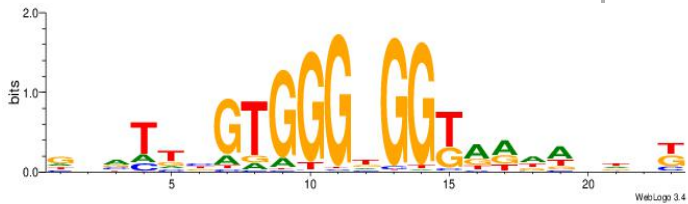
Number of overlap: 11
Similarity score: 0.0262579

Alignment:
MHHHWHYTMCCCHCCCACVAABVH
-----YCGCCCACGCH---

Original motif
Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif
Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



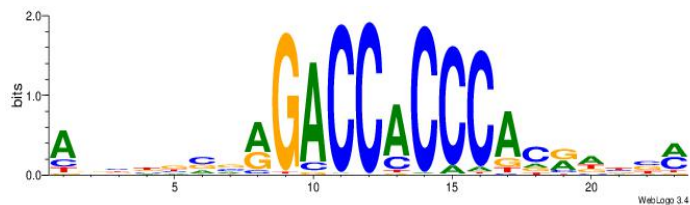
Motif ID: [UP00540](#)
Motif name: Gli3_v015681_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 11
Similarity score: 0.0297053

Alignment:
YBVDMGTTGGGTGGTCKVVBVBBT
--HCGGTGGGCGK-----

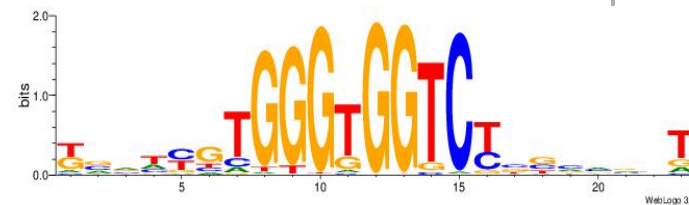
Original motif

Reverse complement motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Consensus sequence: YBVDMGTGGGTGGTCKVVBVBBT



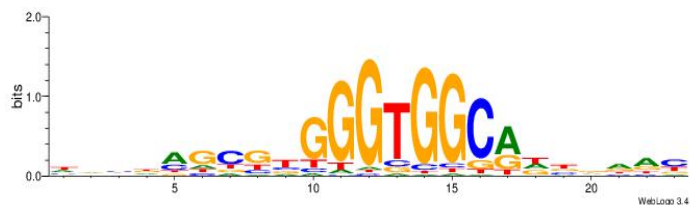
Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 11
Similarity score: 0.0318144

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
-----HGCGTGGGCGK-----

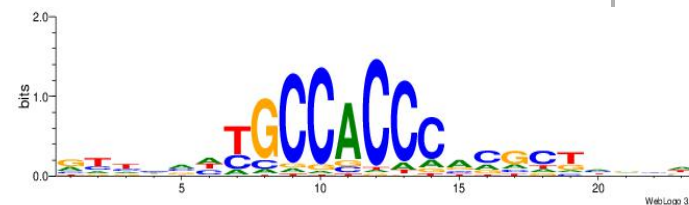
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDPGCCACCCVCGCTDBVH



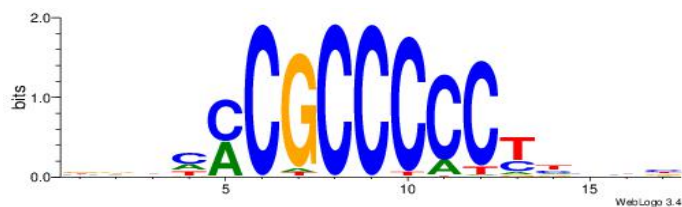
Motif ID: [UP00002](#)
 Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0345009

Alignment:

BVVHAGGGGGCGRDHBB
 --HCGGTGGGCGK----

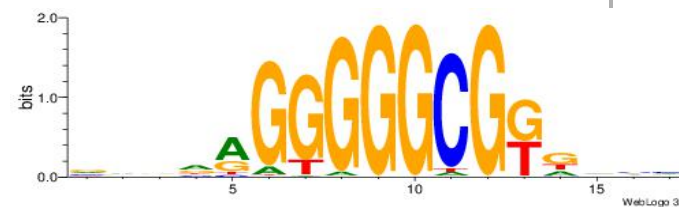
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHBB



Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4

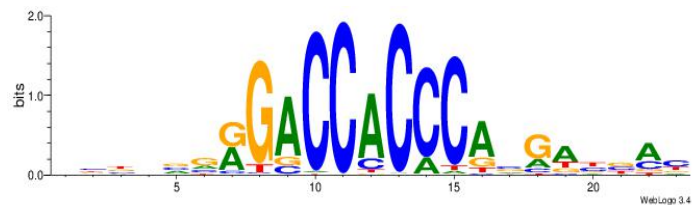
Number of overlap: 11
Similarity score: 0.0353502

Alignment:

BTBVTCTVGGGTGGTCMVVDVBB
---HCGTGCGGCGK-----

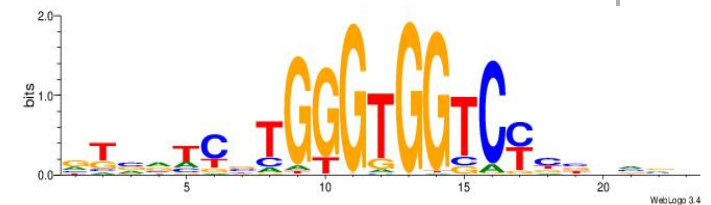
Original motif

Consensus sequence: BBBDVVRGACCACCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



Motif ID: [UP00007](#)
Motif name: Egr1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 11
Similarity score: 0.0360229

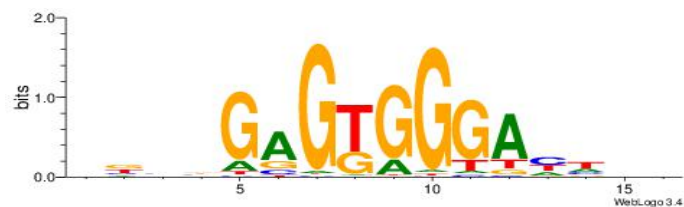
Alignment:

BHHDTCCTCACTCBDBV
--YCGCCACGCH---

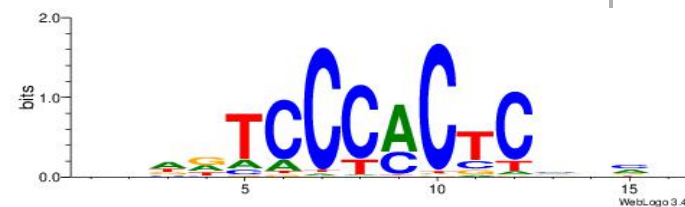
Original motif

Reverse complement motif

Consensus sequence: BBHBGAGTGGGAHHDB



Consensus sequence: BHHTCCCCACTCBDBV



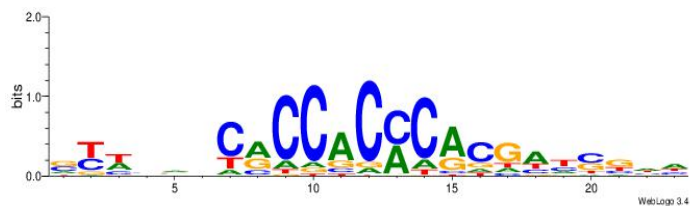
Motif ID: [UP00540](#)
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 11
Similarity score: 0.0362743

Alignment:

VYWVVHCRCCACMCACGAHSBHH
-----YCGCCACGCH-----

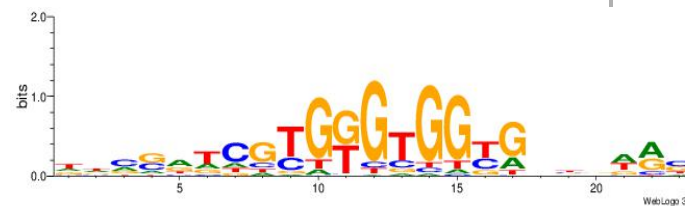
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



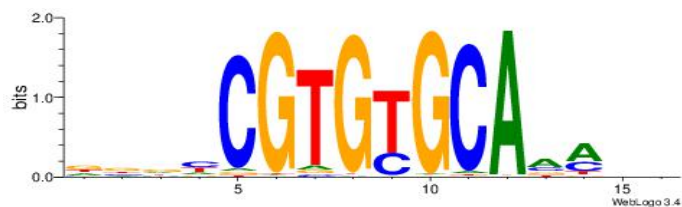
Motif ID: [UP00097](#)
 Motif name: Mtf1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0386944

Alignment:

HDYTTGCACACGDHBH
 ---YCGCCCACGCH--

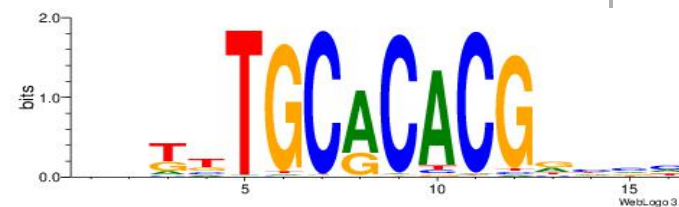
Original motif

Consensus sequence: DBDHCGTGTGCAAMDH



Reverse complement motif

Consensus sequence: HDYTTGCACACGDHBH



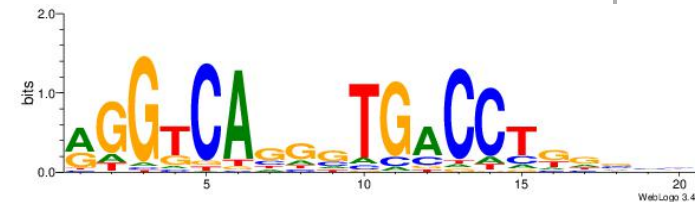
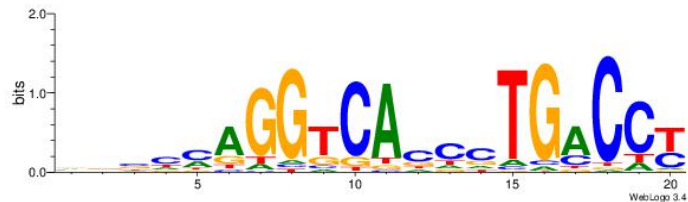
Dataset #: 3 Motif ID: 45 Motif name: ESR1

Original motif

Consensus sequence: VDBHMAGGTCACCCTGACCY

Reverse complement motif

Consensus sequence: MGGTCAGGGTGACCTRDBHV



Best Matches for Motif ID 45 (Highest to Lowest)

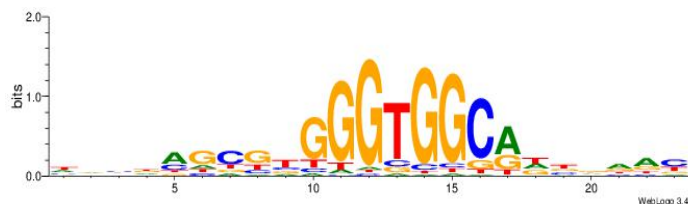
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 20
 Similarity score: 0.0658405

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 VDBHMAGGTCACCCTGACCY----

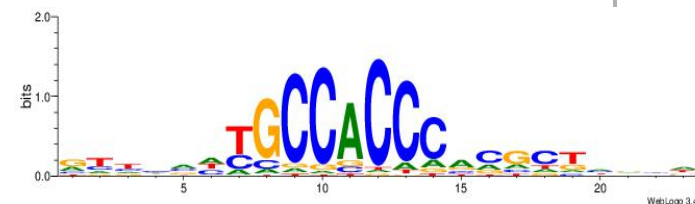
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



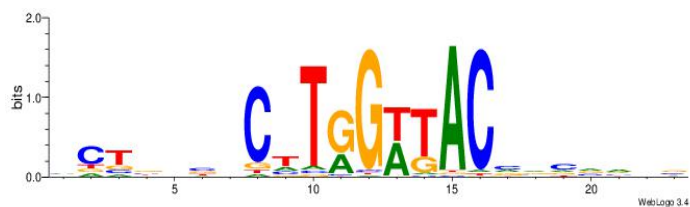
Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.0689748

Alignment:

BDBBVBVGTAWCCAAGVBHBAGB
 VDBHMAGGTCACCCTGACCY---

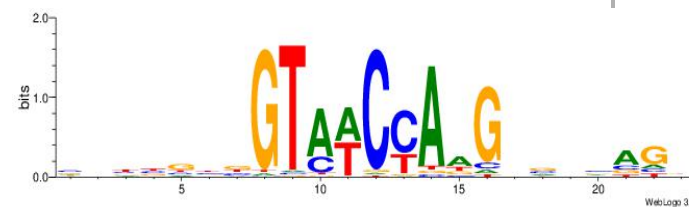
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3

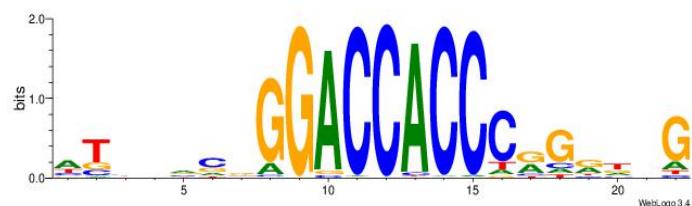
Number of overlap: 20
Similarity score: 0.0701247

Alignment:

CBDMCMGGGTGGTCCHVBVBAH
MGGTCAGGGTGACCTRDBHV--

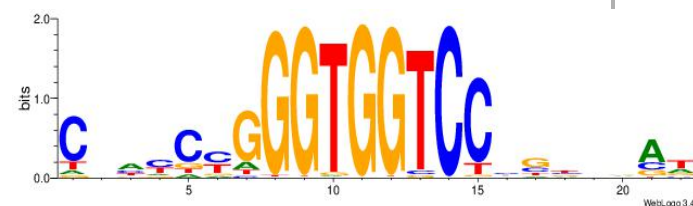
Original motif

Consensus sequence: HTBVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



Motif ID: [UP00539](#)
Motif name: Gli2_v015681_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 20
Similarity score: 0.0711267

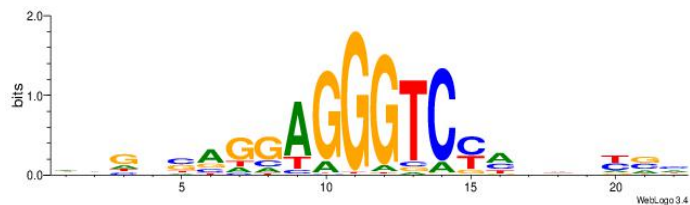
Alignment:

HVGVSAGGAGGGTCYHHHHYVH
MGGTCAGGGTGACCTRDBHV--

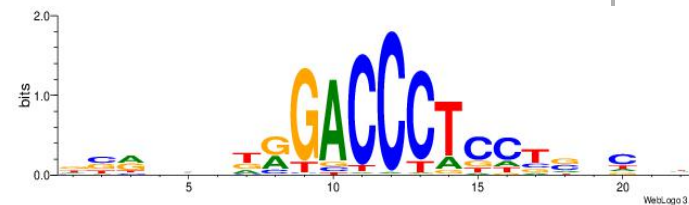
Original motif

Reverse complement motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



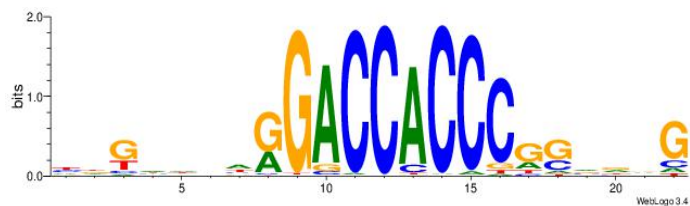
Motif ID: [UP00540](#)
Motif name: Gli3_v016060_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 20
Similarity score: 0.0742427

Alignment:

CVHBSCGGGTGGTCMHVHHCDH
-VDBHMAGGTCACCCTGACCY-

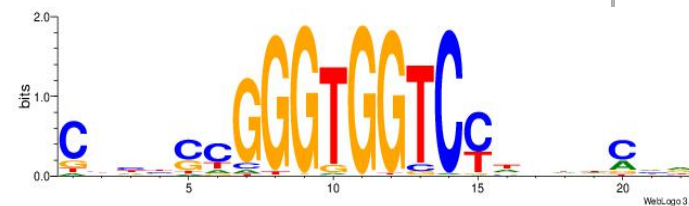
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



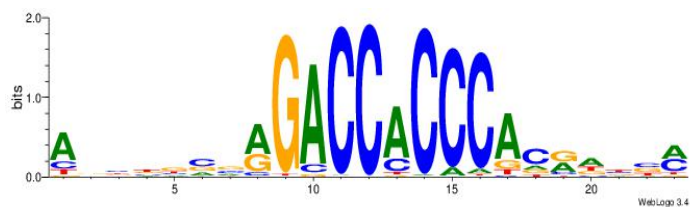
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0747053

Alignment:

ABBBBVVRGACCACCCACRDBBM
 --VDBHMAGGTCACCCTGACCY-

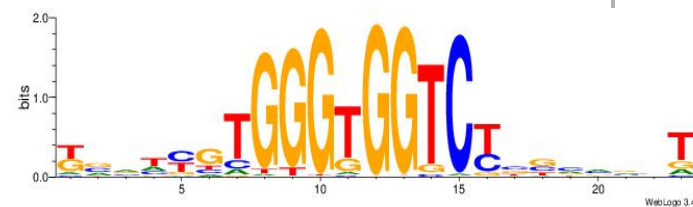
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDGMTGGGTGGTCKVVBVBBT

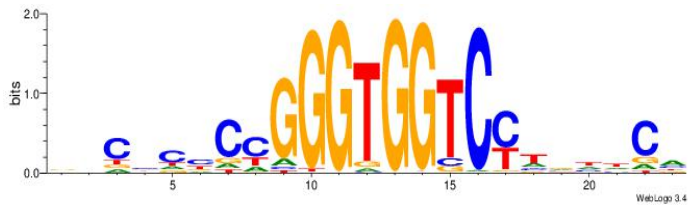


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4

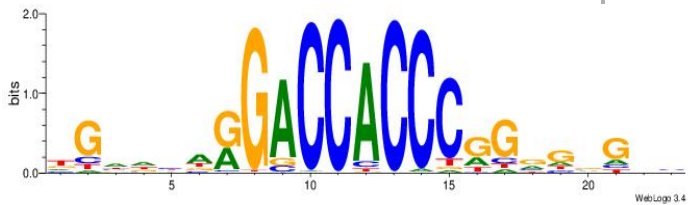
Number of overlap: 20
Similarity score: 0.0749165

Alignment:
BHCBCBCCGGGTGGTCYHVHDCH
---VDBHMAGGTCACCCTGACCY

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



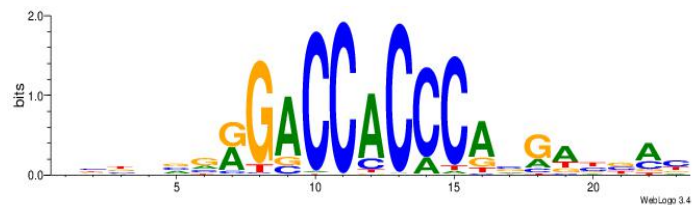
Motif ID: [UP00538](#)
Motif name: Gli1_v015681_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 20
Similarity score: 0.0759307

Alignment:
BBBDVVRGACCACCAVGABBAB
-VDBHMAGGTCACCCTGACCY--

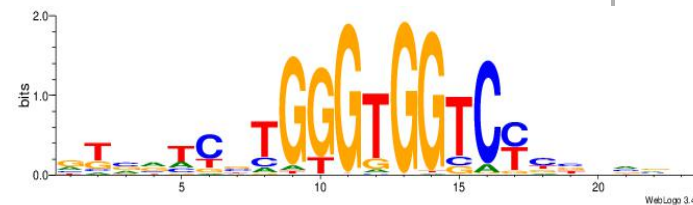
Original motif

Reverse complement motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



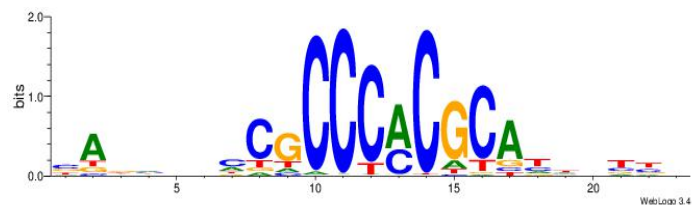
Motif ID: [UP00400](#)
Motif name: Zif268
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 20
Similarity score: 0.0762689

Alignment:

VVVDHHTGCGYGGGCGDHSVHHTB
-MGGTCAGGGTGACCTRDBHV--

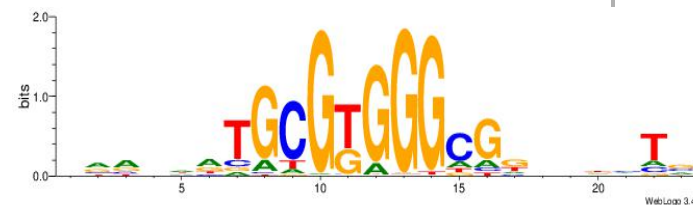
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB



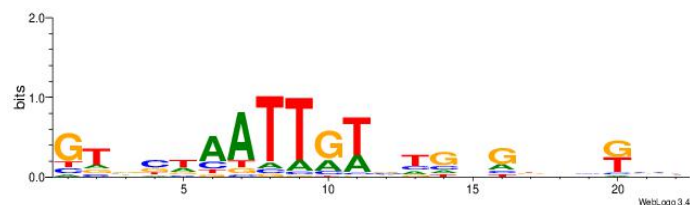
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.0780113

Alignment:

GTVBDAATTGTVTGHGDDHKVB
 VDBHMAGGTCACCCTGACCY--

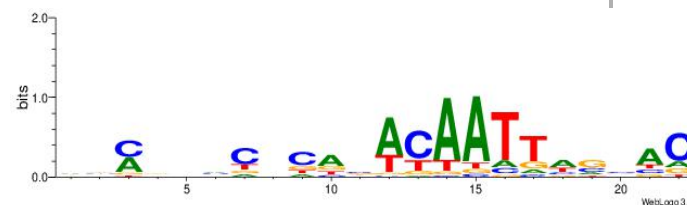
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

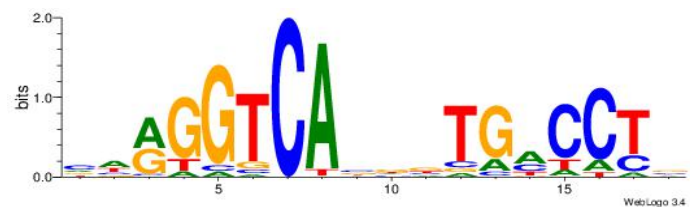
Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Dataset #: 3 Motif ID: 46 Motif name: ESR2

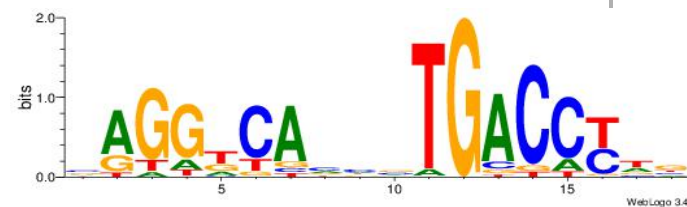
Original motif

Consensus sequence: VHRGGTCABDBTGMCTB



Reverse complement motif

Consensus sequence: BAGGYCABHBTGACCKHV



Best Matches for Motif ID 46 (Highest to Lowest)

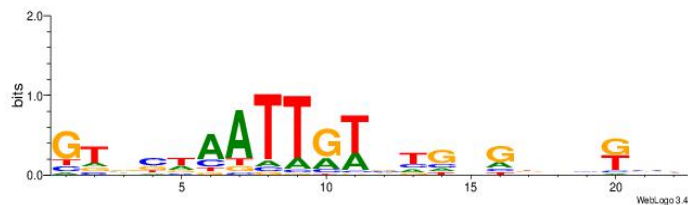
Motif ID: [UP00034](#)
Motif name: Sox7_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 18
Similarity score: 0.0443894

Alignment:

GTVBDAATTGTVTGHGDDHKVB
---VHRGGTCABDBTGMCCTB-

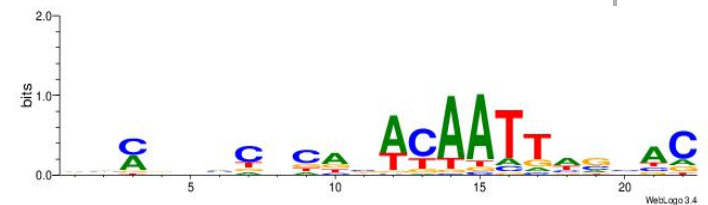
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC

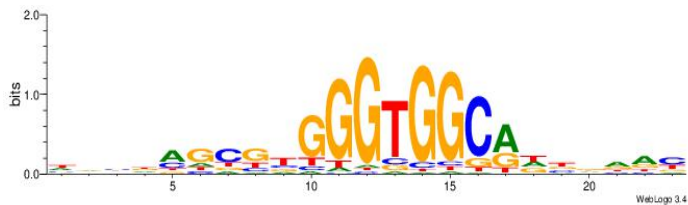


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif

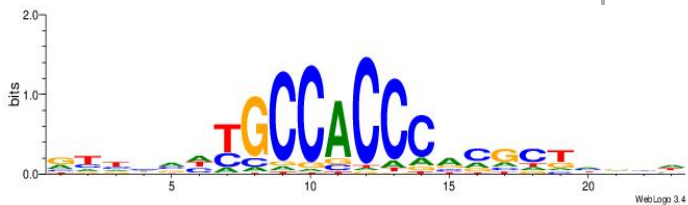
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 18
Similarity score: 0.049219

Alignment:
BDDHVDKGCCACCCVCGCTDBVH
---VHRGGTCABDBTGMCTB--

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



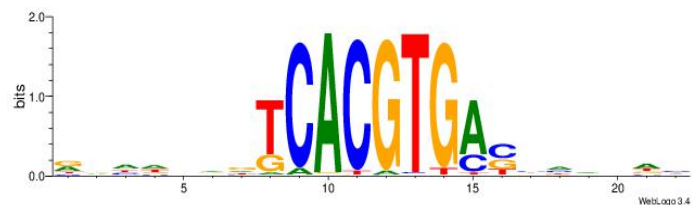
Motif ID: [UP00050](#)
Motif name: Bhlhb2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 18
Similarity score: 0.0509182

Alignment:

DDHBHBSTCACGTGAHBBDHHM
--VHRGGTCABDBTGMCTB--

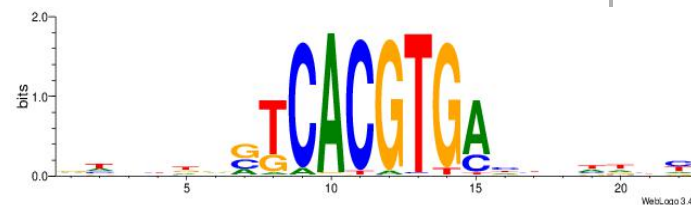
Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHHM



Motif ID:	UP00540
Motif name:	Gli3_v015681_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	18
Similarity score:	0.0527075

Alignment:

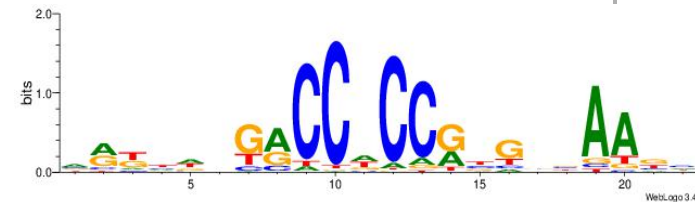
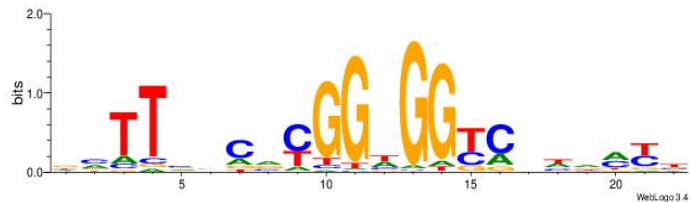
DVTTVVCVYGGHGGYCHHDMYB
-BAGGYCABHBTGACCKHV---

Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB

Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH

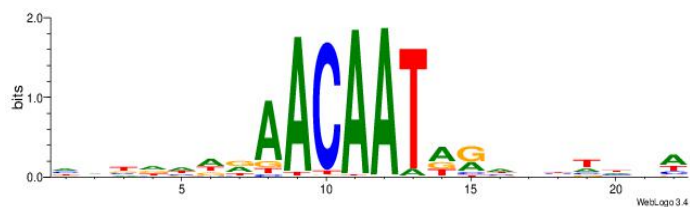


Motif ID: [UP00034](#)
 Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 18
 Similarity score: 0.0541044

Alignment:
 WBHHHHHMDATTGTTHDHDVHH
 -BAGGYCABHBTGACCKHV---

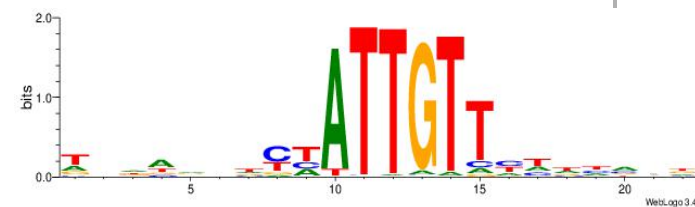
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



Motif ID: [UP00098](#)

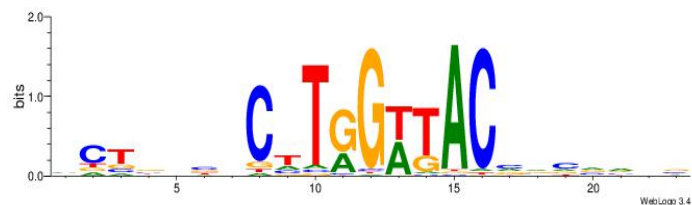
Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0541108

Alignment:

VCTBHBVCTTGGWTACVVVVVDB
 --BAGGYCABHBTGACCKHV---

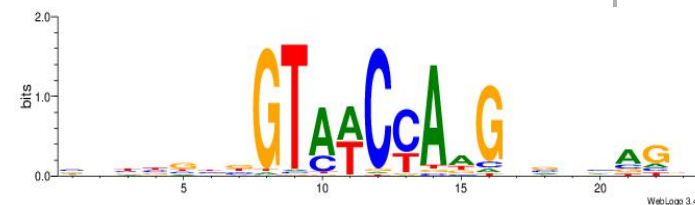
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVVGTAWCCAAGVBHBAGB

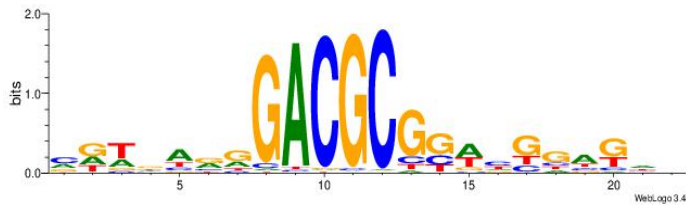


Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 18

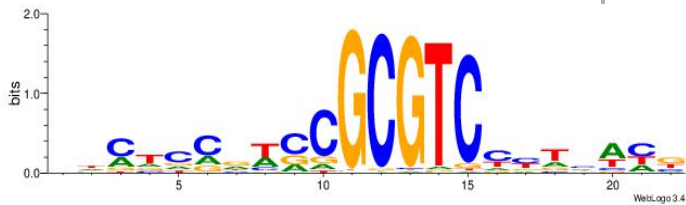
Similarity score: 0.0543733

Alignment:
VDWDARRGACGCGGWHGGAKHV
---VHRGGTCABDBTGMCTB-

Original motif
Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV

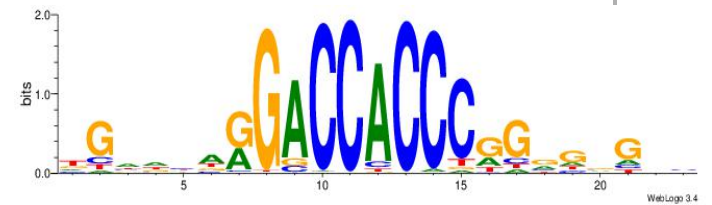
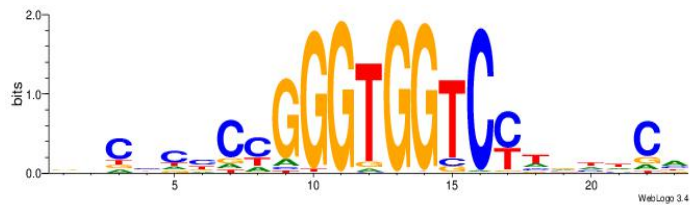


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 18
Similarity score: 0.0548087

Alignment:
BHCBCBCCGGGTGGTCYHVHDCH
-BAGGYCABHBTGACCKHV----

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH

Reverse complement motif
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



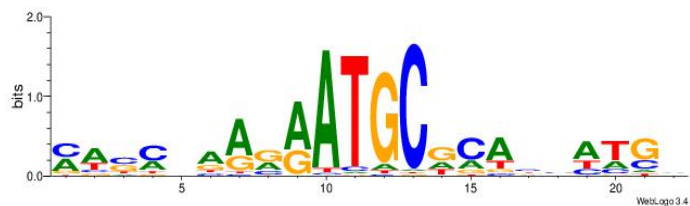
Motif ID: [UP00528](#)
 Motif name: Foxm1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.055453

Alignment:

DCATDBTGHGCATKMTTBRSWR
 ----VHRGGTCABDBTGMCTB

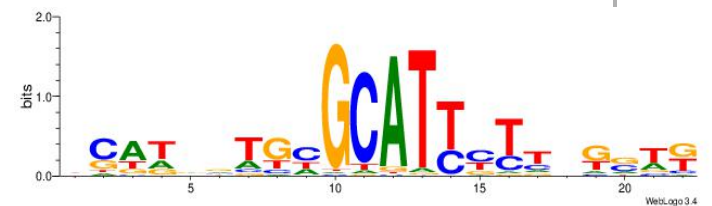
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



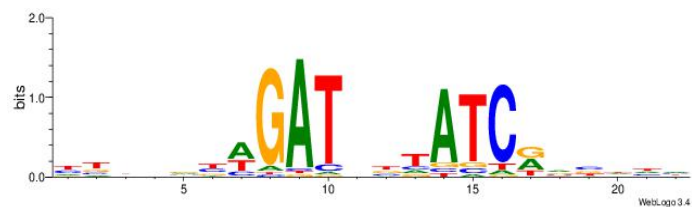
Motif ID: [UP00032](#)
 Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0566426

Alignment:

HBHDVBWGATHBTATCRVBHHH
 -VHRGGTCABDBTGMCTB---

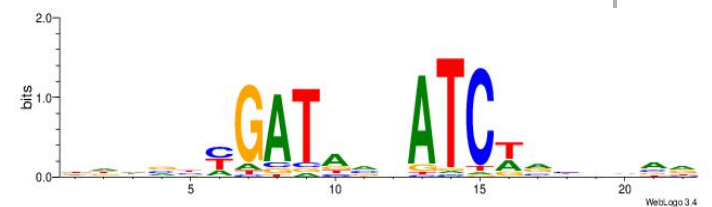
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVH



Dataset #: 3 Motif ID: 47 Motif name: Esrrb

Original motif

Consensus sequence: CACGTG

Reverse complement motif

Consensus sequence: CACGTG



Best Matches for Motif ID 47 (Highest to Lowest)

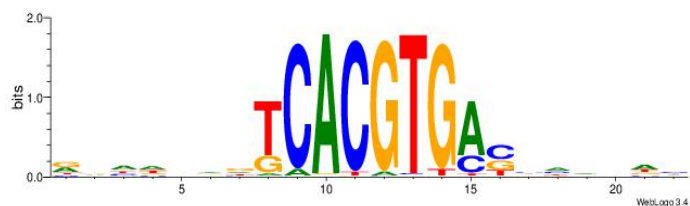
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 9
 Number of overlap: 6
 Similarity score: 0

Alignment:

RDHDBVDTACAGTGASBHVHDH
 -----CACGTG-----

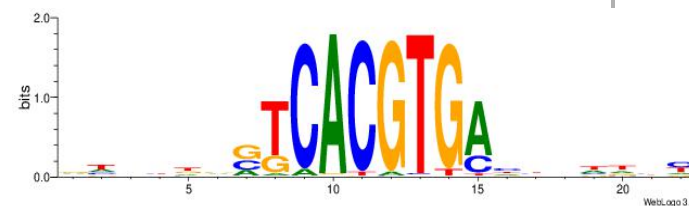
Original motif

Consensus sequence: RDHDBVDTACAGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHHM



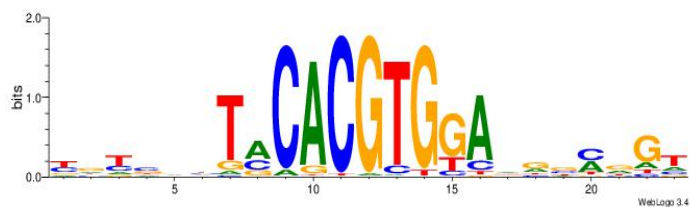
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 9
 Number of overlap: 6
 Similarity score: 0.0026425

Alignment:

ACHRBHDTCCACGTGYAHBMMH
 -----CACGTG-----

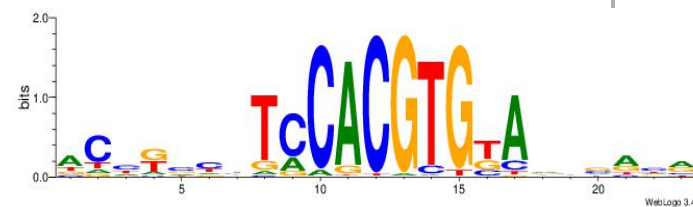
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHBMMH



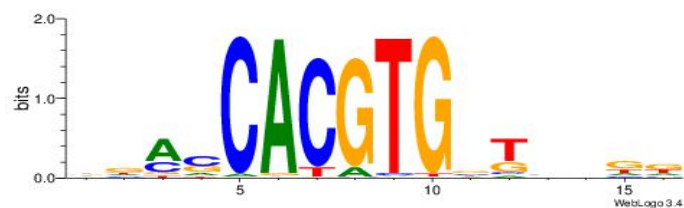
Motif ID: [UP00060](#)
 Motif name: Max_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5

Number of overlap: 6
Similarity score: 0.0044422

Alignment:
DDASCACGTGBTBVDD
-----CACGTG-----

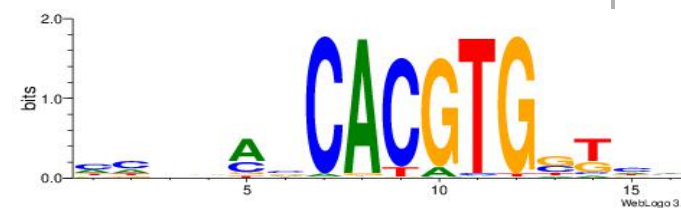
Original motif

Consensus sequence: DDASCACGTGBTBVDD



Reverse complement motif

Consensus sequence: HHVBABCACGTGSTHD



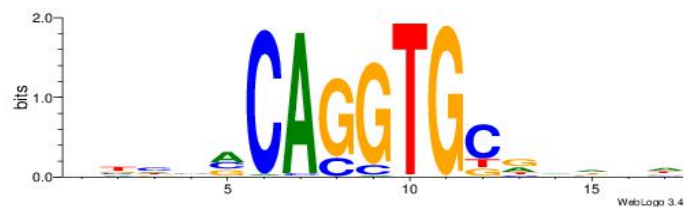
Motif ID: [UP00046](#)
Motif name: Tcfe2a_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 7
Number of overlap: 6
Similarity score: 0.0342153

Alignment:
DHDBHGCACCTGBDDVB
-----CACGTG-----

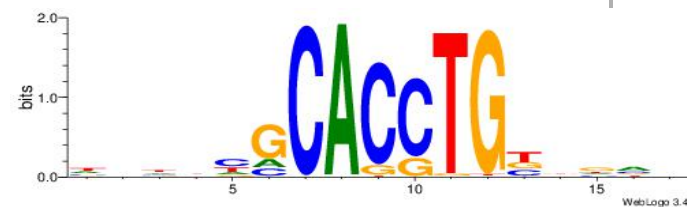
Original motif

Reverse complement motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Consensus sequence: DHDBHGCACCTGBDDVB

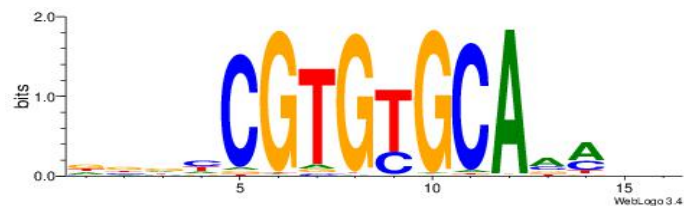


Motif ID: [UP00097](#)
Motif name: Mtf1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 9
Number of overlap: 6
Similarity score: 0.0471928

Alignment:
HDYTTGCACACGDHBH
-----CACGTG--

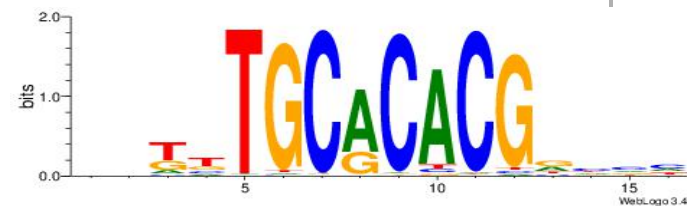
Original motif

Consensus sequence: DBDHC GTGTGCAAMDH



Reverse complement motif

Consensus sequence: HDYTTGCACACGDHBH



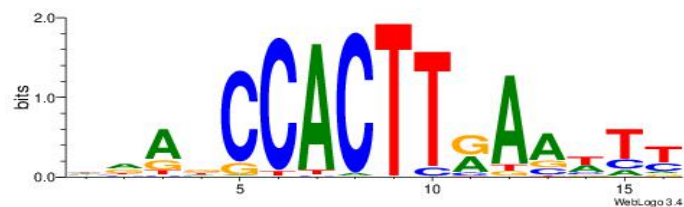
Motif ID: [UP00249](#)
 Motif name: Nkx2-5
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0482749

Alignment:

HDADCCACTTTRAAWTT
 -----CACGTG-----

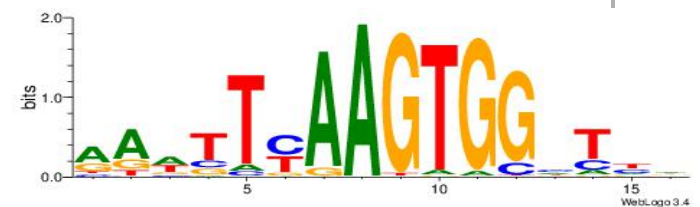
Original motif

Consensus sequence: HDADCCACTTTRAAWTT



Reverse complement motif

Consensus sequence: AAWTTMAAGTGGHTDH

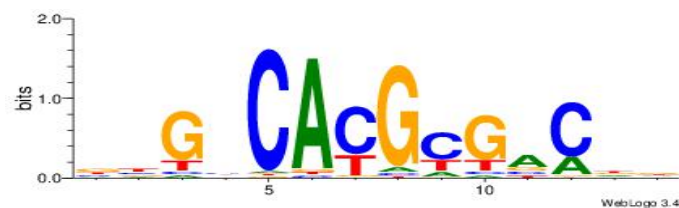


Motif ID: [UP00060](#)
 Motif name: Max_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5

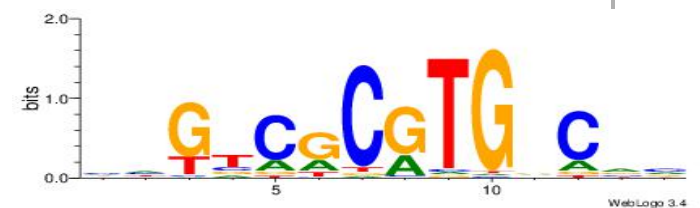
Number of overlap: 6
Similarity score: 0.0485437

Alignment:
BBGHCACGCGACDD
-----CACGTG-----

Original motif
Consensus sequence: BBGHCACGCGACDD



Reverse complement motif
Consensus sequence: HDGTCGCGTGDCVB



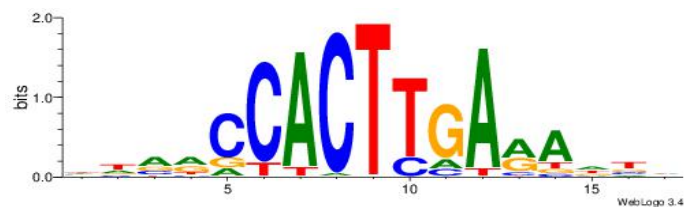
Motif ID: [UP00231](#)
Motif name: Nkx2-2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 7
Number of overlap: 6
Similarity score: 0.0497234

Alignment:
DVDTKTCAAGTGGKBDH
-----CACGTG-----

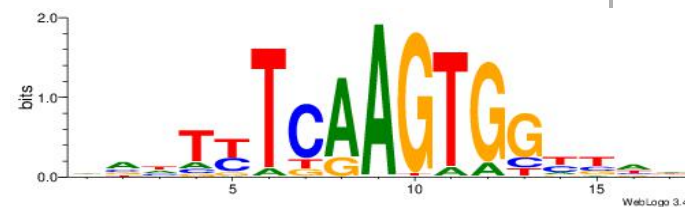
Original motif

Reverse complement motif

Consensus sequence: HDVRCCACTTGARADBD



Consensus sequence: DVDTKTCAAGTGGKBDH



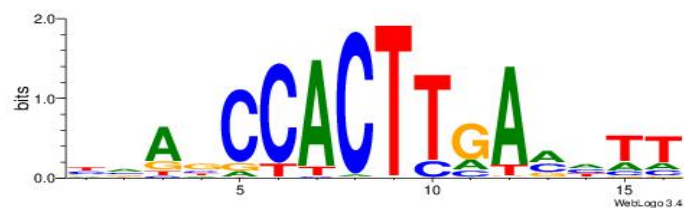
Motif ID: [UP00165](#)
Motif name: Titf1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 6
Number of overlap: 6
Similarity score: 0.0498919

Alignment:

AAHYTCAAGTGGBTBV
-----CACGTG-----

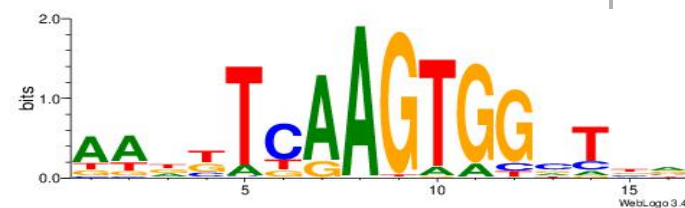
Original motif

Consensus sequence: BVABCCACTTGAMHTT



Reverse complement motif

Consensus sequence: AAHYTCAAGTGGBTBV



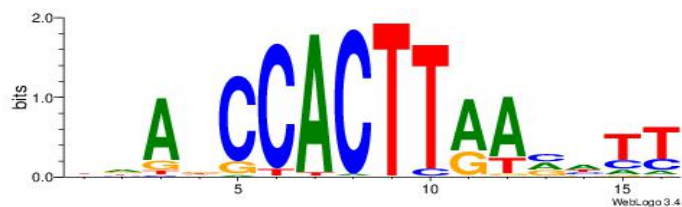
Motif ID: [UP00147](#)
 Motif name: Nkx2-6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0544601

Alignment:

DDADCCACTTAAVHTT
 -----CACGTG-----

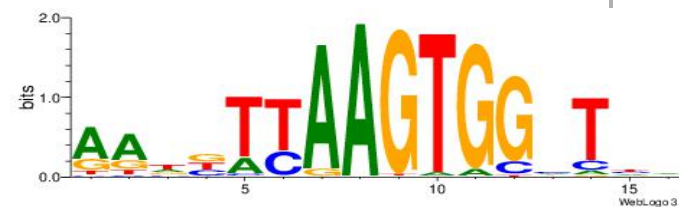
Original motif

Consensus sequence: DDADCCACTTAAVHTT



Reverse complement motif

Consensus sequence: AAHVTTAAGTGGHTDD



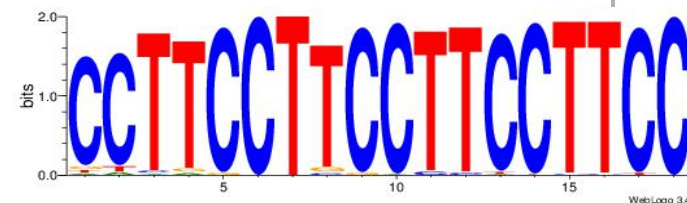
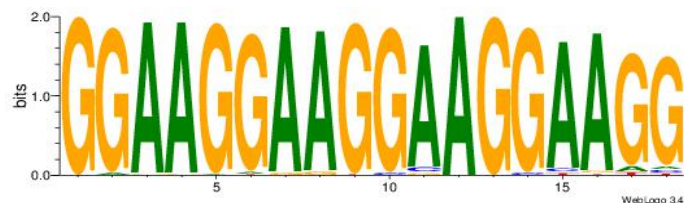
Dataset #: 3 Motif ID: 48 Motif name: EWSR1-FLI1

Original motif

Consensus sequence: GGAAGGAAGGAAGGAAGG

Reverse complement motif

Consensus sequence: CCTTCCTTCCTTCCTTCC



Best Matches for Motif ID 48 (Highest to Lowest)

Motif ID: [UP00419](#)
 Motif name: Spic
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0442834

Alignment:

----VAAAGMGGAAAGTWD
 GGAAGGAAGGAAGGAAGG--

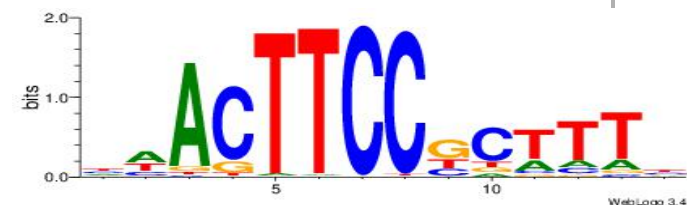
Original motif

Consensus sequence: VAAAGMGGAAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRCTTTB



Motif ID: [UP00055](#)

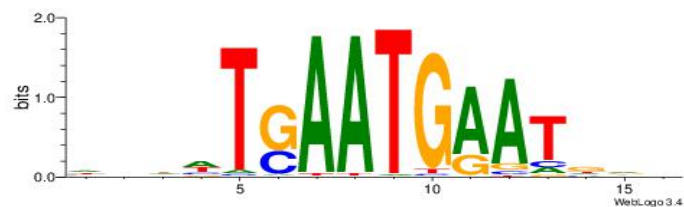
Motif name: Hbp1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 14
 Similarity score: 0.0466226

Alignment:

----VDHATTCATTSAWDDH
 CCTTCCTTCCTTCCTTCC----

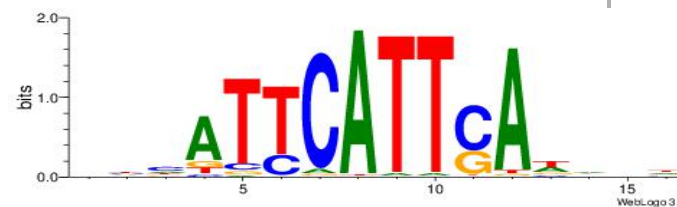
Original motif

Consensus sequence: HHDWTSAAATGAATDDB



Reverse complement motif

Consensus sequence: VDHATTCATTSAWDDH



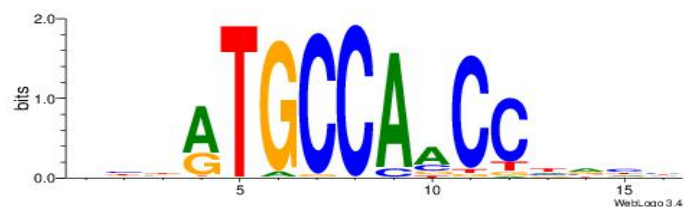
Motif ID: [UP00035](#)
 Motif name: Hic1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 14
 Similarity score: 0.047846

Alignment:

DBBATGCCAACCHVHH-----
 -----GGAAGGAAGGAAGGAAGG

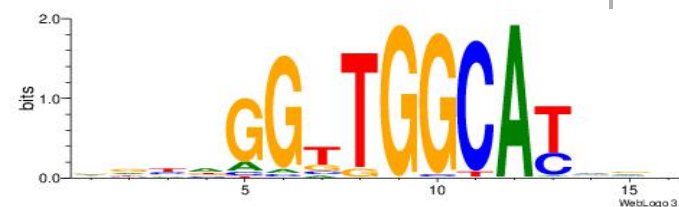
Original motif

Consensus sequence: DBBATGCCAACCHVHH



Reverse complement motif

Consensus sequence: DDBHGGTTGGCATVBD



Motif ID:	UP00090
Motif name:	Elf3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	13
Similarity score:	0.539121

Alignment:

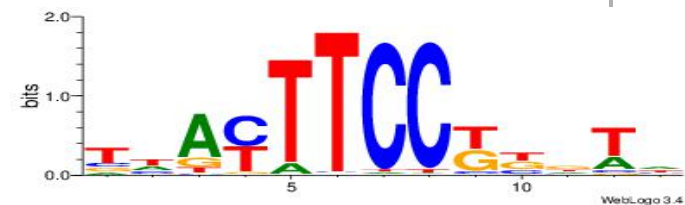
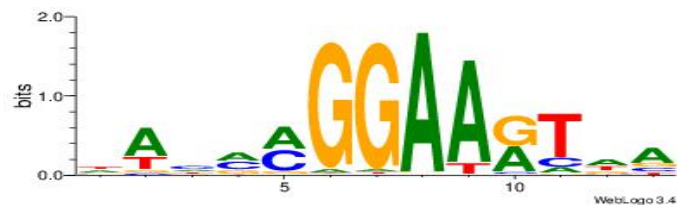
-----TDAMTTCCYYDTD
 CCTTCCTTCCTTCCTTCC---

Original motif

Consensus sequence: DAHMMGGAARTDA

Reverse complement motif

Consensus sequence: TDAMTTCCYYDTD

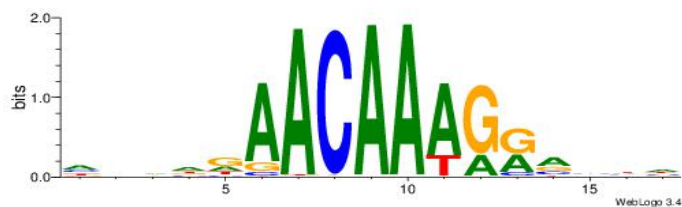


Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 13
 Similarity score: 0.547912

Alignment:
 HHBBMCTTTGTTTHDDDBH-----
 ----CCTTCCTTCCTTCCTTCC

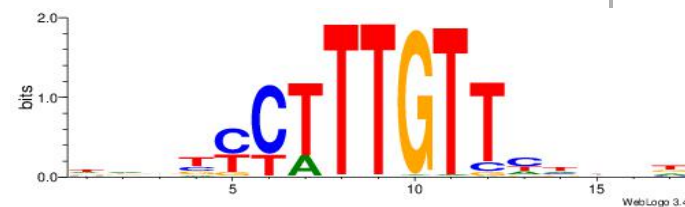
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTTHDDDBH



Motif ID: [UP00021](#)

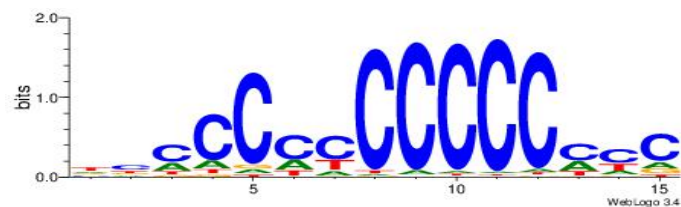
Motif name: Zfp281_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 13
 Similarity score: 0.548284

Alignment:

DBCCCCCCCCCMYC-----
 -----GGAAGGAAGGAAGGAAGG

Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGGBD



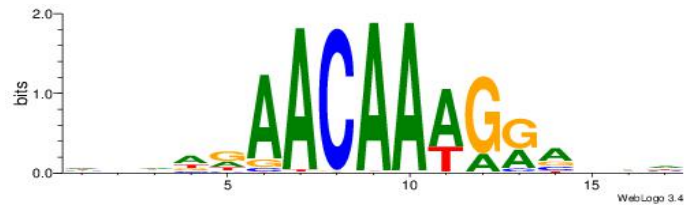
Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 13
 Similarity score: 0.54837

Alignment:

```
HHBTMCTTTGTTMDDVH-----  
-----CCTTCCTTCCTTCCTTCC
```

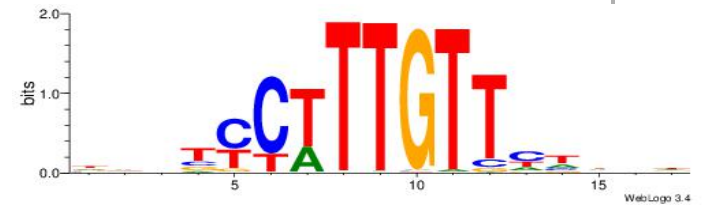
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



Motif ID:	UP00539
Motif name:	Gli2_v015681_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	7
Number of overlap:	12
Similarity score:	1.04069

Alignment:

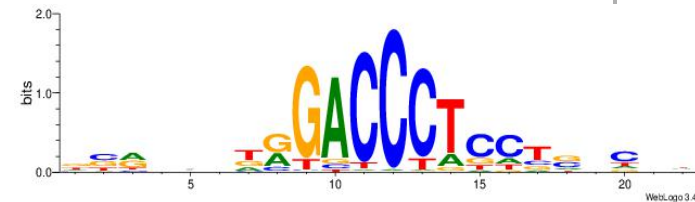
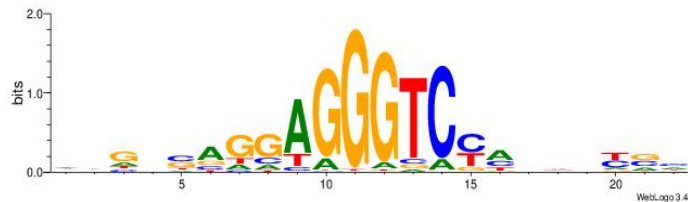
```
HVGVSAGGAGGGTCYHHHHYVH-----  
-----GGAAGGAAGGAAGGAAGG----
```

Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH

Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



Motif ID: [UP00409](#)
 Motif name: Elf5
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 1.04159

Alignment:

-----BWAHSMGGAAGTWD
 GGAAGGAAGGAAGGAAG--

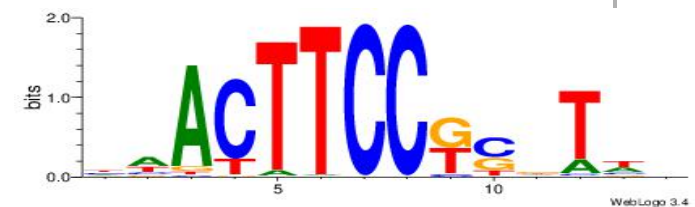
Original motif

Consensus sequence: BWAHSMGGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRSDTWV



Motif ID: [UP00056](#)

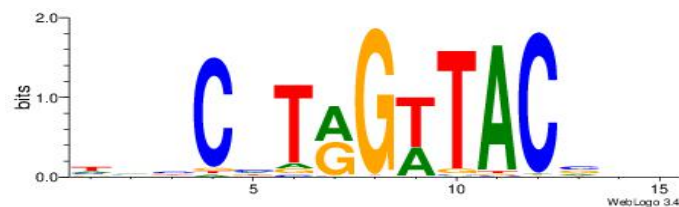
Motif name: Rfx4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 12
 Similarity score: 1.04349

Alignment:

-----HHBCHTRGWTACVVH
 GGAAGGAAGGAAGGAAGG-----

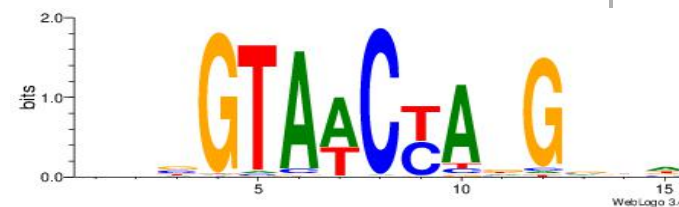
Original motif

Consensus sequence: HHBCHTRGWTACVVH



Reverse complement motif

Consensus sequence: HVVGTAWCKADGBHH



Dataset #: 3 Motif ID: 49 Motif name: HIF1AARNT

Original motif

Consensus sequence: VBACGTGV



Reverse complement motif

Consensus sequence: VCACGTBV



Best Matches for Motif ID 49 (Highest to Lowest)

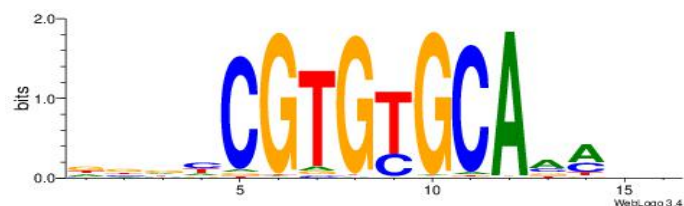
Motif ID: [UP00097](#)
Motif name: Mtf1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 8
Similarity score: 0

Alignment:

HDYTTGCACACGDHBH
-----VCACGTBV--

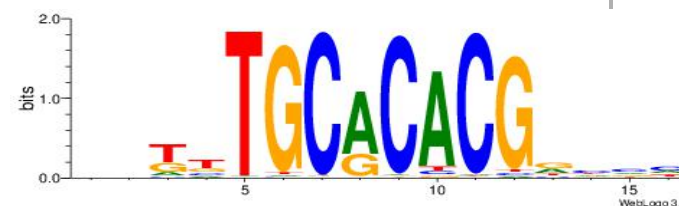
Original motif

Consensus sequence: DBDHCGTGTGCAAMDH



Reverse complement motif

Consensus sequence: HDYTTGCACACGDHBH



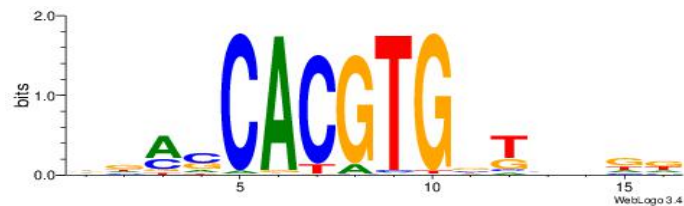
Motif ID: [UP00060](#)
Motif name: Max_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement

Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	8
Similarity score:	0.000574345

Alignment:
HHVBABCACGTGSTHD
-----VCACGTBV---

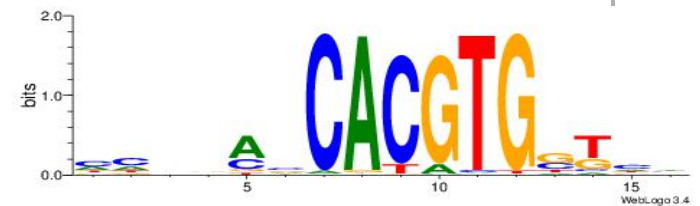
Original motif

Consensus sequence: DDASCACGTGBTBVDD



Reverse complement motif

Consensus sequence: HHVBABCACGTGSTHD



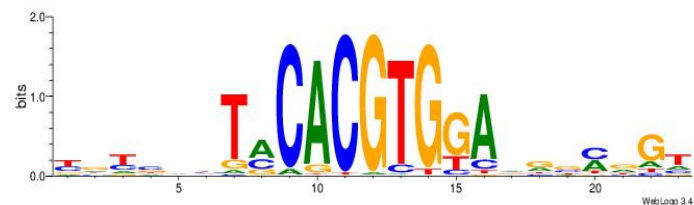
Motif ID:	UP00050
Motif name:	Bhlhb2_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	9
Number of overlap:	8
Similarity score:	0.00642455

Alignment:

YDYBDHTMCACGTGGADDBMDGT
 -----VBACGTGV-----

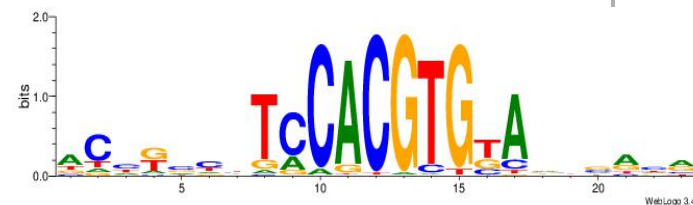
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



Motif ID:	UP00084
Motif name:	Gmeb1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	8
Similarity score:	0.0131171

Alignment:

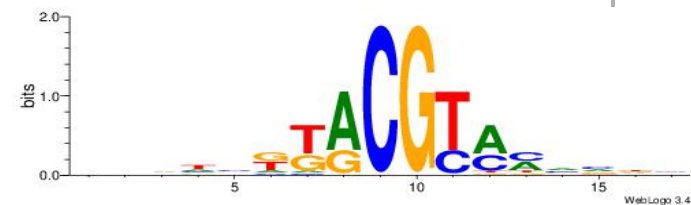
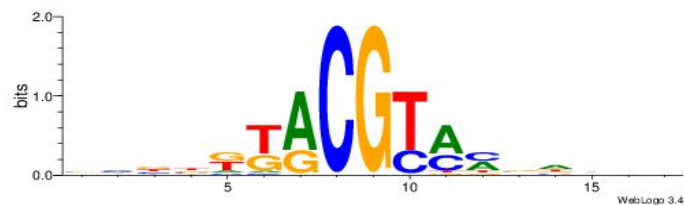
BVVDVRYACGTRYVBHB
 -----VBACGTGV-----

Original motif

Consensus sequence: BHBBKKACGTMMVDBVB

Reverse complement motif

Consensus sequence: BVVDVRYACGTRYVBHB

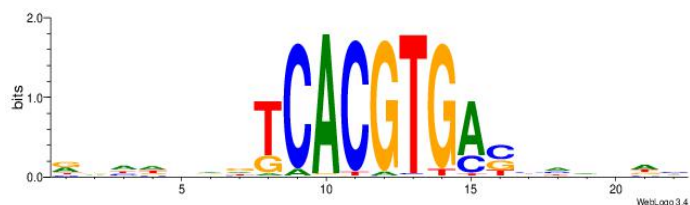


Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.014006

Alignment:
 RDHDBVDTCACGTGASBHVHDH
 -----VCACGTBV-----

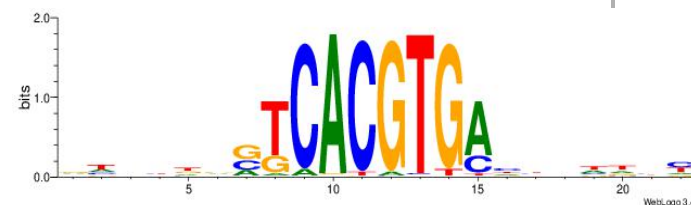
Original motif

Consensus sequence: RDHDBVDTCACGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHMH



Motif ID: [UP00046](#)

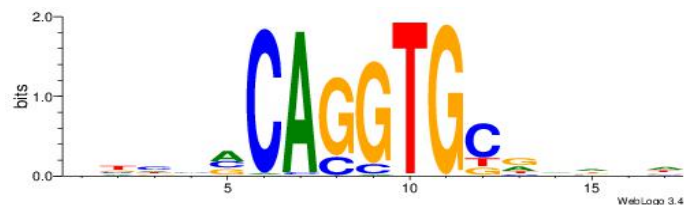
Motif name: Tcfe2a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0184296

Alignment:

VBHHVCAGGTGCDVDHD
 ----VBACGTGV-----

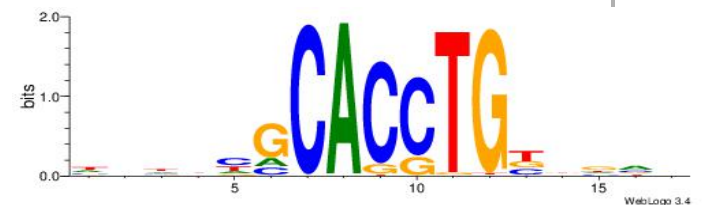
Original motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Reverse complement motif

Consensus sequence: DHDBHGCACCTGBDDVB



Motif ID: [UP00068](#)
 Motif name: Eomes_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 8

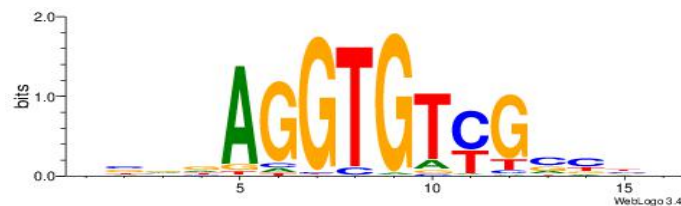
Similarity score: 0.0188154

Alignment:

VVBVCKACACCTHVBV
-----VCACGTBV--

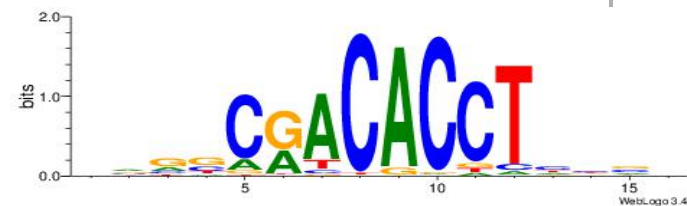
Original motif

Consensus sequence: VBVDAGGTGTGVBVV



Reverse complement motif

Consensus sequence: VVBVCKACACCTHVBV



Motif ID: [UP00026](#)
Motif name: Zscan4_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 9
Number of overlap: 8
Similarity score: 0.0189568

Alignment:

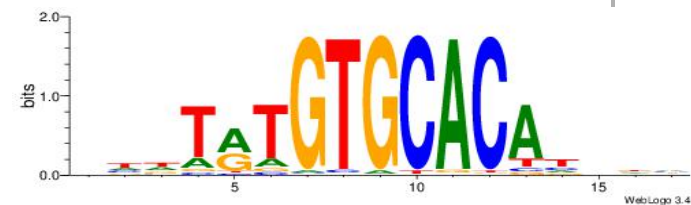
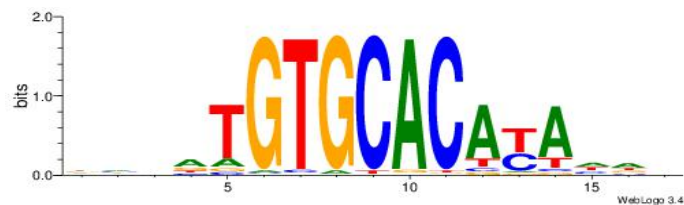
DHVDTGTGCACAYAHDH
-VBACGTGV-----

Original motif

Consensus sequence: DHVDTGTGCACAYAHDH

Reverse complement motif

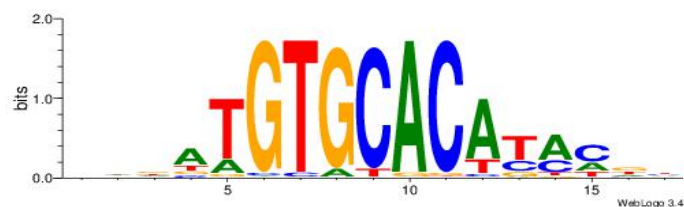
Consensus sequence: HDHTMTGTGCACADVHD



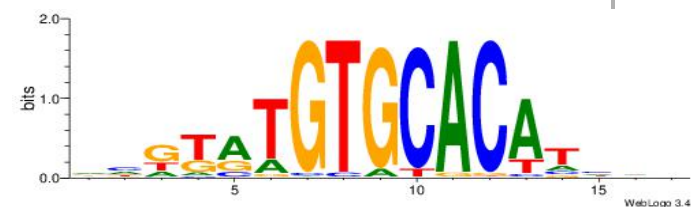
Motif ID: [UP00042](#)
 Motif name: Gm397_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.0198987

Alignment:
 HHRTATGTGCACATHHD
 --VBACGTGV-----

Original motif
 Consensus sequence: HHDATGTGCACATAMDH



Reverse complement motif
 Consensus sequence: HHRTATGTGCACATHHD



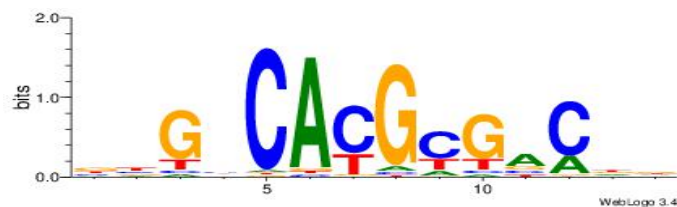
Motif ID: [UP00060](#)
 Motif name: Max_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.021967

Alignment:

BBGHCACGCGACDD
 ---VCACGTBV---

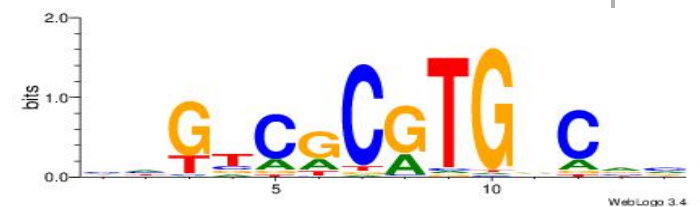
Original motif

Consensus sequence: BBGHCACGCGACDD



Reverse complement motif

Consensus sequence: HDGTCGCGTGDCVB



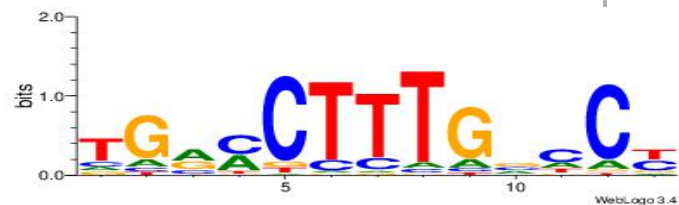
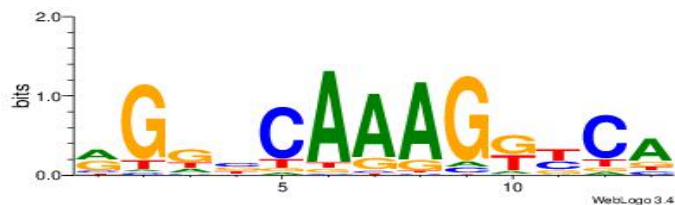
Dataset #: 3 Motif ID: 50 Motif name: HNF4A

Original motif

Consensus sequence: RGGBCAAAGKYCA

Reverse complement motif

Consensus sequence: TGM YCTTTGBCK



Best Matches for Motif ID 50 (Highest to Lowest)

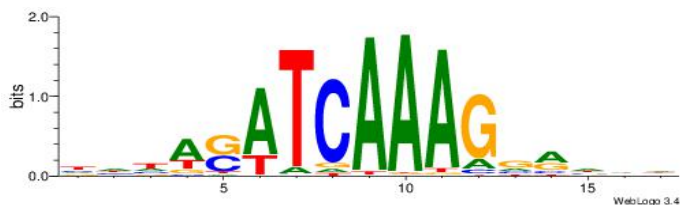
Motif ID: [UP00058](#)
 Motif name: Tcf3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0357776

Alignment:

HHHASATCAAAGVRHHH
 ---RGGBCAAAGKYCA-

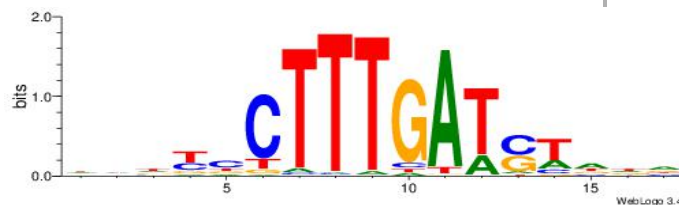
Original motif

Consensus sequence: HHHASATCAAAGVRHHH



Reverse complement motif

Consensus sequence: HHHKVCTTTGATSTHHH



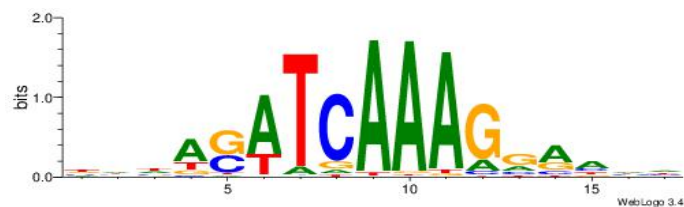
Motif ID: [UP00054](#)
 Motif name: Tcf7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0357792

Alignment:

BHHASATCAAAGGAHHH
 ---RGGBCAAAGKYCA-

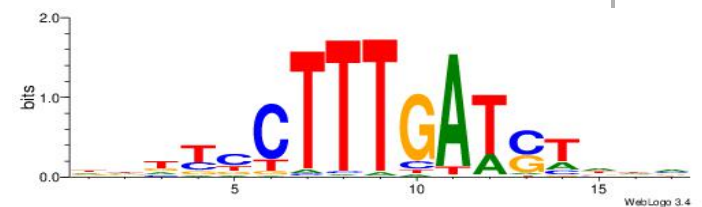
Original motif

Consensus sequence: BHHASATCAAAGGAHHH



Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV

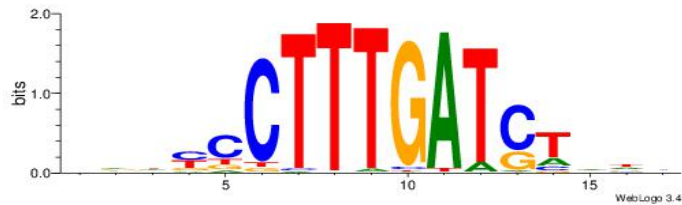


Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4

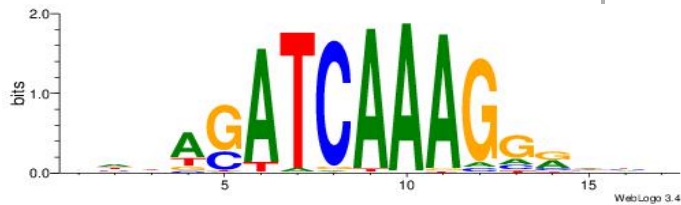
Number of overlap: 13
Similarity score: 0.0359011

Alignment:
VDDAGATCAAAGGKDDD
---RGGBCAAAGKYCA-

Original motif
Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif
Consensus sequence: VDDAGATCAAAGGKDDD



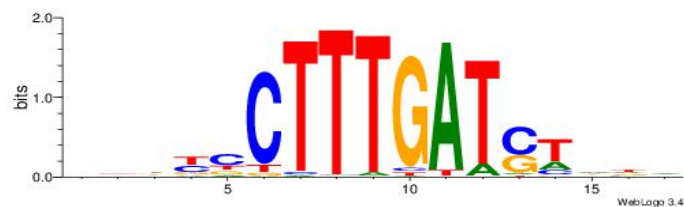
Motif ID: [UP00083](#)
Motif name: Tcf7l2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 13
Similarity score: 0.0360786

Alignment:
BDDASATCAAAGGMDDD
---RGGBCAAAGKYCA-

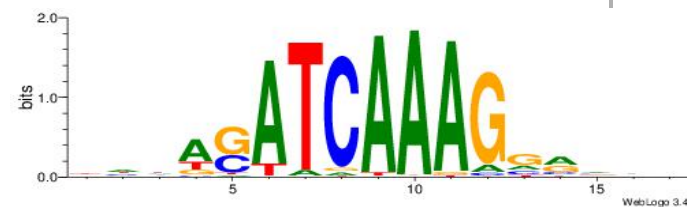
Original motif

Reverse complement motif

Consensus sequence: DDDYCCTTTGATSTDDV



Consensus sequence: BDDASATCAAAGGMDDD

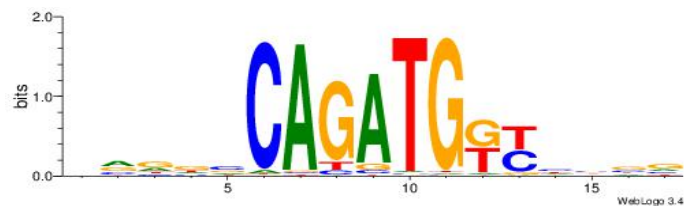


Motif ID: [UP00046](#)
Motif name: Tcfe2a_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 13
Similarity score: 0.0405764

Alignment:
HVDDVCAGATGKYHBBV
-RGGBCAAAGKYCA---

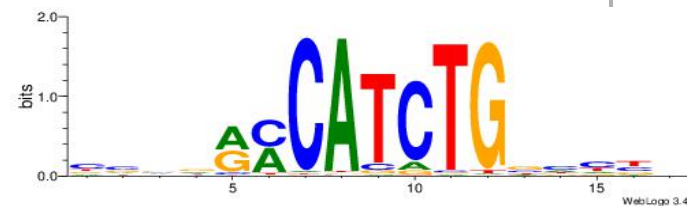
Original motif

Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif

Consensus sequence: VBDDMYCATCTGVHBBH



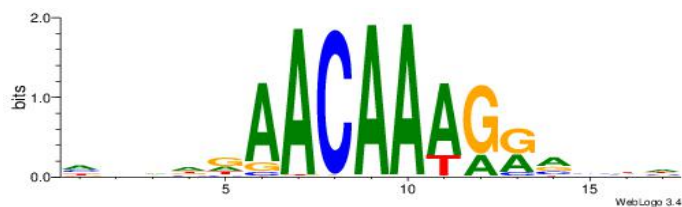
Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0409915

Alignment:

HHBBMCTTTGTTHDDBH
 -TGM YCTTTGB CCK---

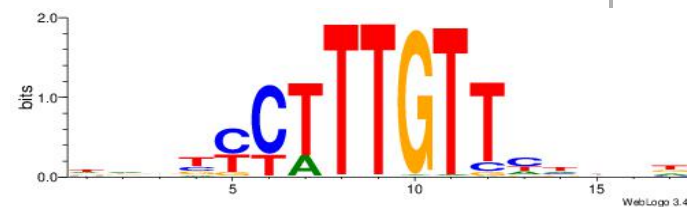
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH



Motif ID: [UP00101](#)
 Motif name: Sox12_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1

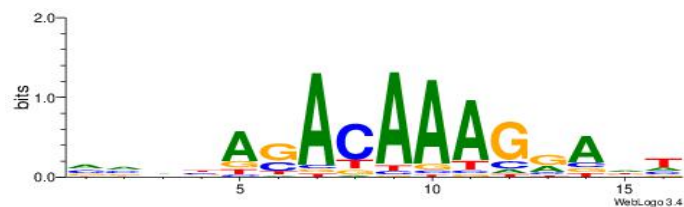
Number of overlap: 13
Similarity score: 0.0413218

Alignment:

HDTMCTTTGTSTVDBB
TGMCTTTGBCK---

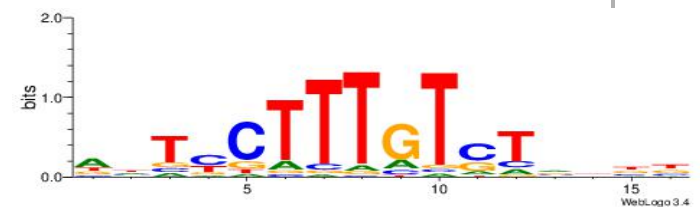
Original motif

Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



Motif ID: [UP00030](#)
Motif name: Sox11_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 13
Similarity score: 0.0421105

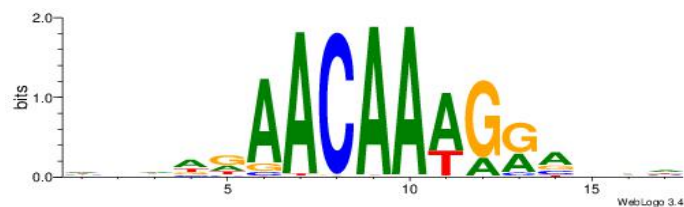
Alignment:

HHBTMCTTTGTTMDDVH
-TGMCTTTGBCK---

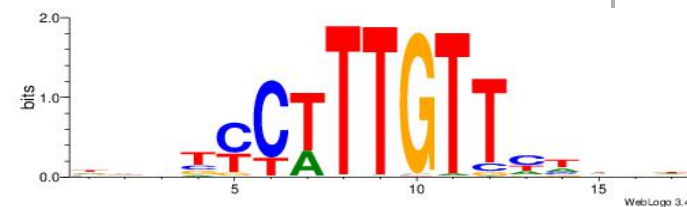
Original motif

Reverse complement motif

Consensus sequence: HBDDRAACAAAGRABHH



Consensus sequence: HHBTMCTTTGTTMDDVH



Motif ID: [UP00086](#)
Motif name: Irf3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 13
Similarity score: 0.0442004

Alignment:

DDAGAADGGDSCDV

RGGBCAAAGKYCA-

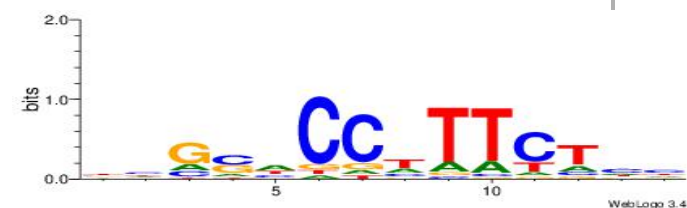
Original motif

Consensus sequence: DDAGAADGGDSCDV



Reverse complement motif

Consensus sequence: BHGSDCCDTTCTHH



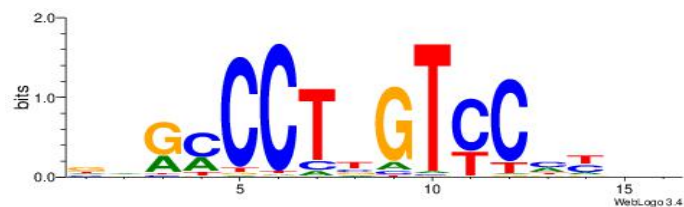
Motif ID: [UP00082](#)

Motif name: Zfp187_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0446884

Alignment:
 DDGMCCTBGTCCHYHV
 ---RGGBCAAAGKYCA

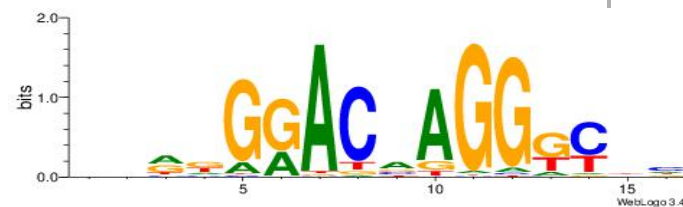
Original motif

Consensus sequence: DDGMCCTBGTCCHYHV



Reverse complement motif

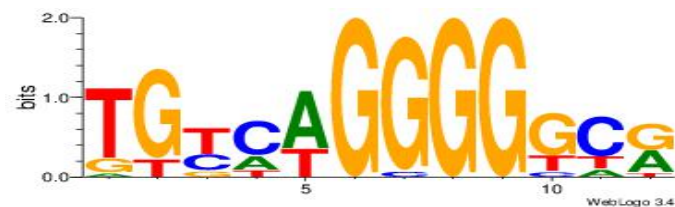
Consensus sequence: VHMDGGACVAGGRCDH



Dataset #: 3 Motif ID: 51 Motif name: INSM1

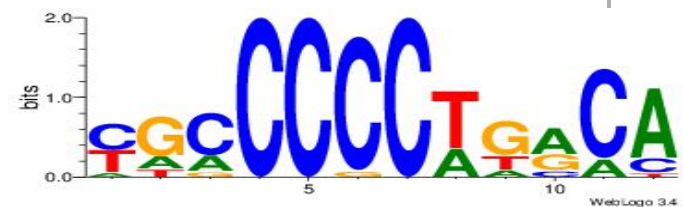
Original motif

Consensus sequence: TGYCAGGGGGCR



Reverse complement motif

Consensus sequence: MGCCCCCTGMCA



Best Matches for Motif ID 51 (Highest to Lowest)

Motif ID: [UP00022](#)
Motif name: Zfp740_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 12
Similarity score: 0.00085101

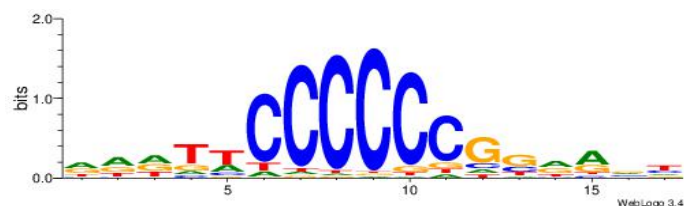
Alignment:

HVKDCCGGGGGGWADDD

--TGYCAGGGGGCR---

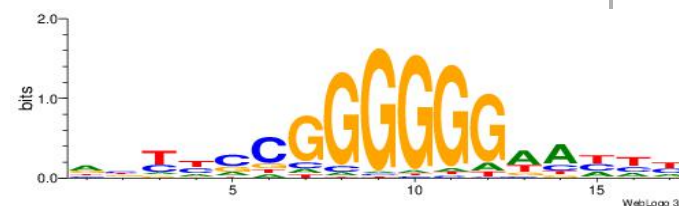
Original motif

Consensus sequence: DDDTWCCCCCGGDRVH



Reverse complement motif

Consensus sequence: HVKDCCGGGGGGWADDD



Motif ID: [UP00002](#)
Motif name: Sp4_primary
Species: Mus musculus
Matching format of first motif: Original Motif

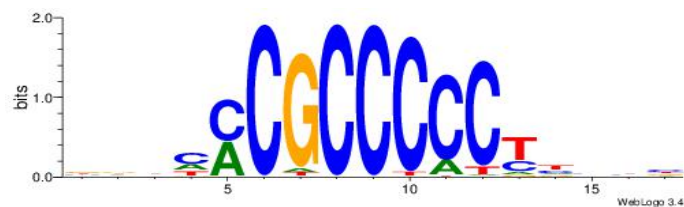
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	6
Number of overlap:	12
Similarity score:	0.00406431

Alignment:

```
BVVHAGGGGGCGRDHHB
TGYCAGGGGGCR-----
```

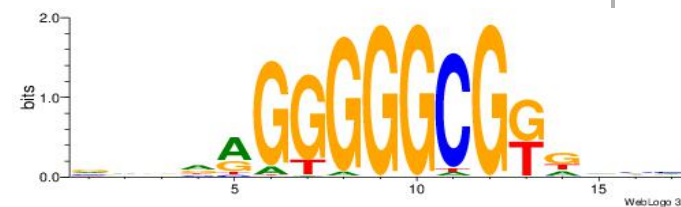
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



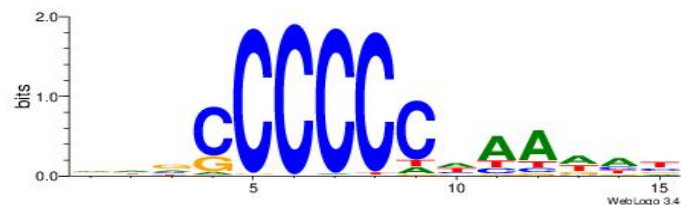
Motif ID:	UP00047
Motif name:	Zbtb7b_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	12
Similarity score:	0.00486866

Alignment:

VHWTTHGGGGGGVDD
 --TGYCAGGGGGCR--

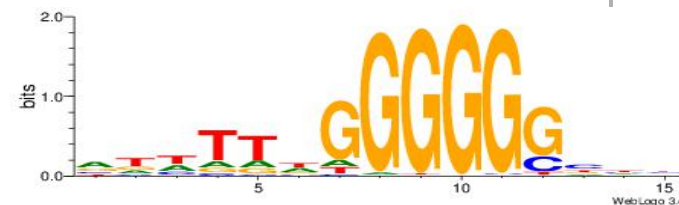
Original motif

Consensus sequence: DDVCCCCCCHAAWHB



Reverse complement motif

Consensus sequence: VHWTTHGGGGGGVDD



Motif ID:	UP00079
Motif name:	Esrra_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	12
Similarity score:	0.00862553

Alignment:

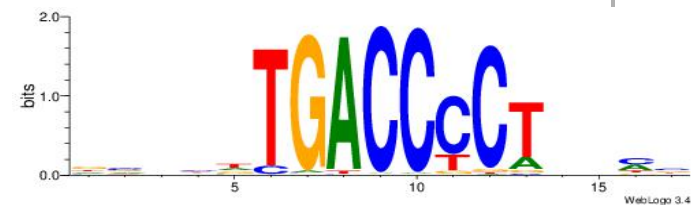
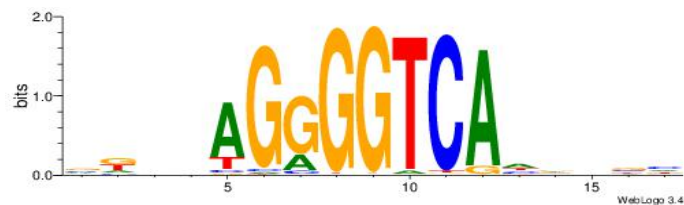
VKBBAGGGGTCAHDBBH
 TGYCAGGGGGCR-----

Original motif

Consensus sequence: VKBBAGGGGTCAHDBBH

Reverse complement motif

Consensus sequence: DBBHHTGACCCCTBBYV

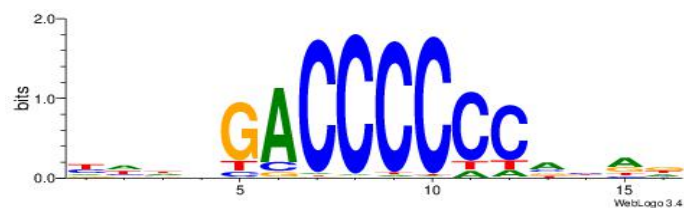


Motif ID: [UP00024](#)
 Motif name: Glis2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.00936306

Alignment:
 HKBBGGGGGGTCTVHHH
 -TGYCAGGGGGCR---

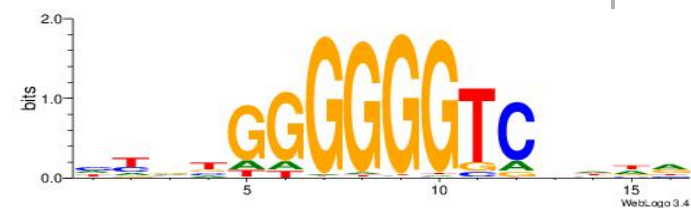
Original motif

Consensus sequence: HHHVGACCCCCCVBRD



Reverse complement motif

Consensus sequence: HKBBGGGGGGTCTVHHH



Motif ID: [UP00066](#)

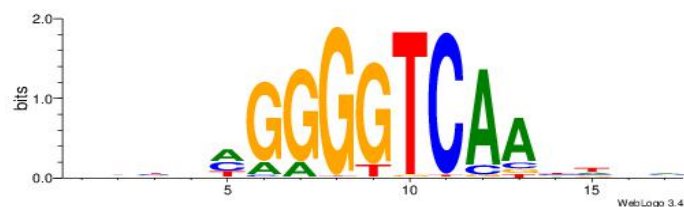
Motif name: Hnf4a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0123592

Alignment:

BDBVMGGGGTCAABHDV
 TGYCAGGGGGCR-----

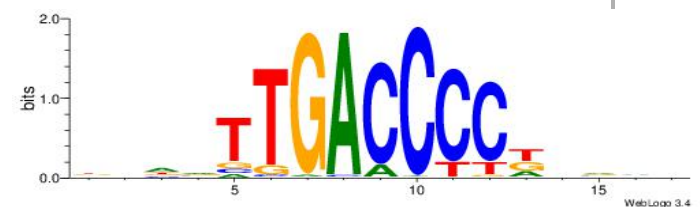
Original motif

Consensus sequence: BDBVMGGGGTCAABHDV



Reverse complement motif

Consensus sequence: BHHVTTGACCCCYVVDB



Motif ID: [UP00007](#)
 Motif name: Egr1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12

Similarity score: 0.0155167

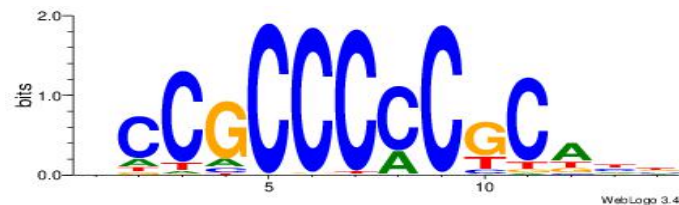
Alignment:

HCCGCCCCCGCAHB

--MGCCCCCTGMCA

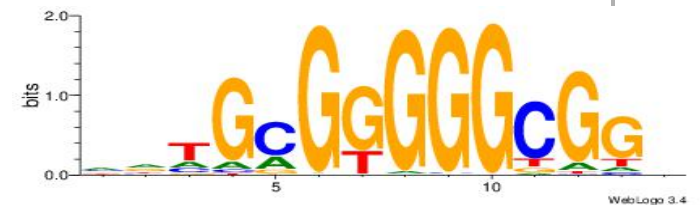
Original motif

Consensus sequence: HCCGCCCCCGCAHB



Reverse complement motif

Consensus sequence: VHTGCGGGGGCGGH



Motif ID: [UP00022](#)

Motif name: Zfp740_primary

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Backward

Position number: 2

Number of overlap: 12

Similarity score: 0.0176638

Alignment:

HVBCCCCCCCCMHHHB

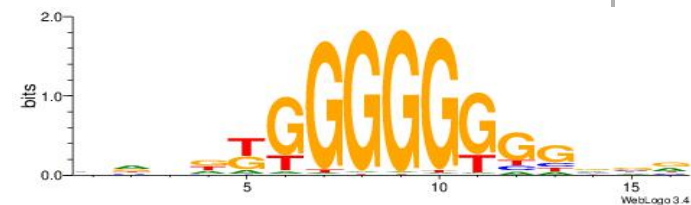
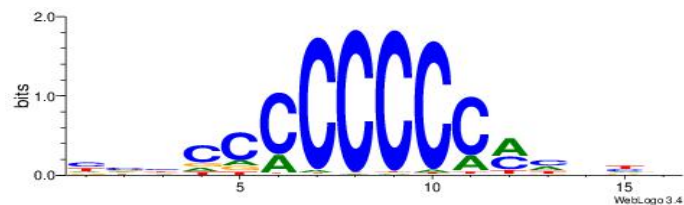
---MGCCCCCTGMCA-

Original motif

Consensus sequence: HVBCCCCCCCCMHHHB

Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGBVD



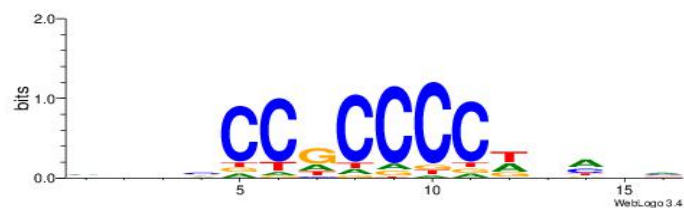
Motif ID: [UP00043](#)
 Motif name: Bcl6b_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0182432

Alignment:

BHHHWGGGGCGGBBVH
 TGYCAGGGGGCR----

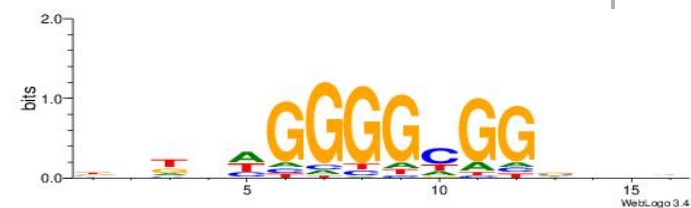
Original motif

Consensus sequence: HBBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



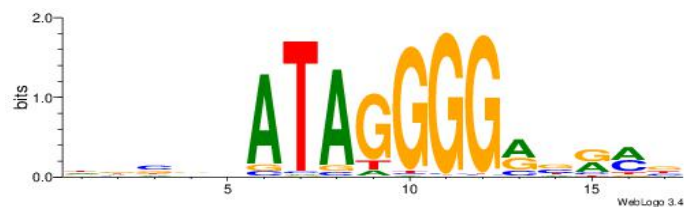
Motif ID: [UP00070](#)
 Motif name: Gcm1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0200587

Alignment:

BYMBKCCCCTATDVBHD
 --MGCCCCCTGMCA---

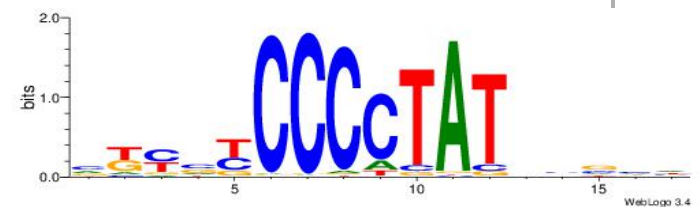
Original motif

Consensus sequence: DDBVHATAGGGGRBRMB



Reverse complement motif

Consensus sequence: BYMBKCCCCTATDVBHD



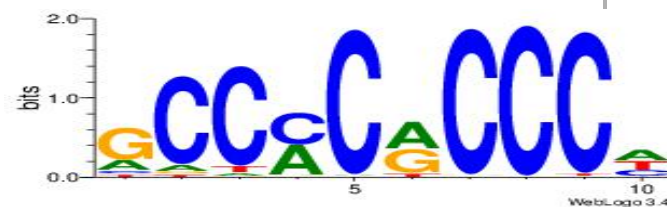
Dataset #: 3 Motif ID: 52 Motif name: Klf4

Original motif

Consensus sequence: DGGGYGKGCC

Reverse complement motif

Consensus sequence: GCCYCMCCCD



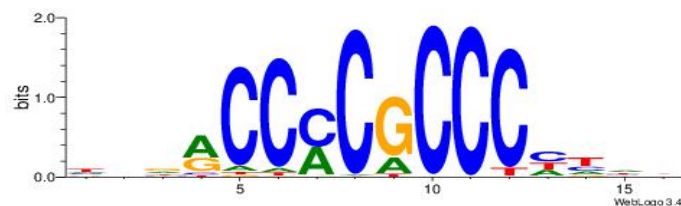
Best Matches for Motif ID 52 (Highest to Lowest)

Motif ID: [UP00093](#)
 Motif name: Klf7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0

Alignment:
 DHHDGGGCGRGGKHBH
 ---DGGGYGKGGC---

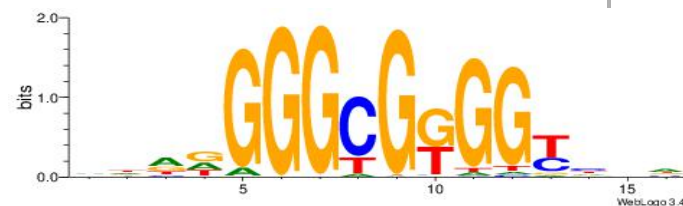
Original motif

Consensus sequence: HBDRCMCGCCCHHHD



Reverse complement motif

Consensus sequence: DHHDGGGCGRGGKHBH



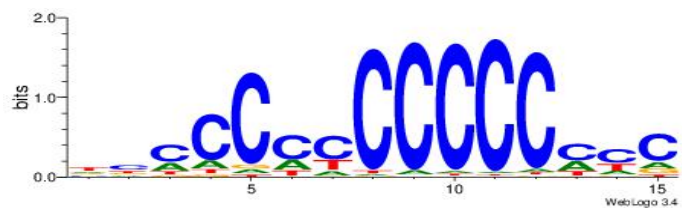
Motif ID: [UP00021](#)
 Motif name: Zfp281_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0153308

Alignment:

DBCCCCCCCCCMYC
 ---GCCYCMCCCD--

Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGGBD



Motif ID: [UP00002](#)
 Motif name: Sp4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3

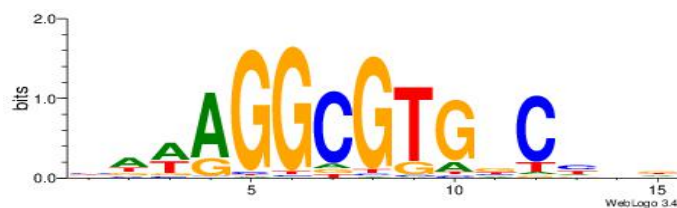
Number of overlap: 10
Similarity score: 0.0186791

Alignment:

BDWAGGCGTGBCHHD
--DGGGYGKGGC---

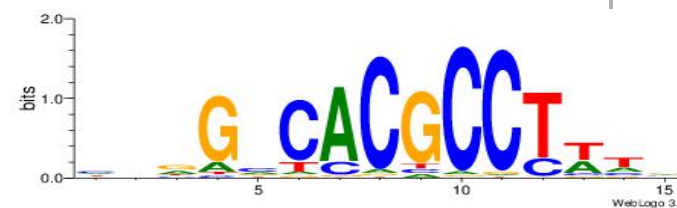
Original motif

Consensus sequence: BDWAGGCGTGBCHHD



Reverse complement motif

Consensus sequence: HHDGBCACGCCTWDB



Motif ID: [UP00022](#)
Motif name: Zfp740_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 10
Similarity score: 0.0218399

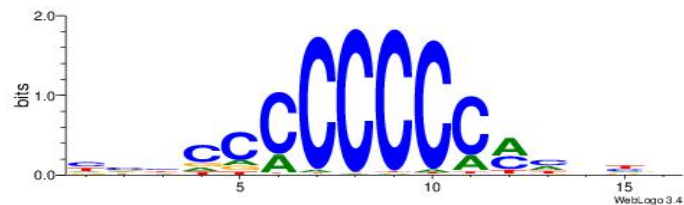
Alignment:

HVBCCCCCCCCMHHHB
--GCCYCMCCCD----

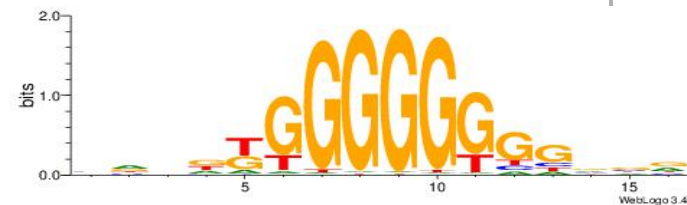
Original motif

Reverse complement motif

Consensus sequence: HVBCCCCCCCCMHHHB



Consensus sequence: BHHDYGGGGGGGGGBVD



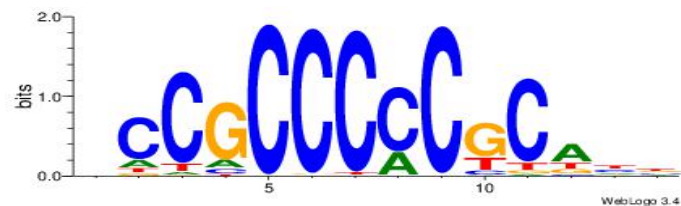
Motif ID: [UP00007](#)
Motif name: Egr1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 10
Similarity score: 0.0249586

Alignment:

HCCGCCCCCGCAHB
GCCYCMCCCD-----

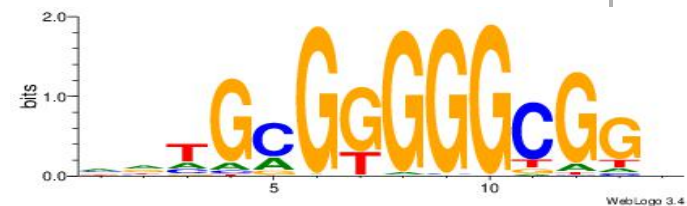
Original motif

Consensus sequence: HCCGCCCCCGCAHB



Reverse complement motif

Consensus sequence: VHTGCGGGGGCGGH



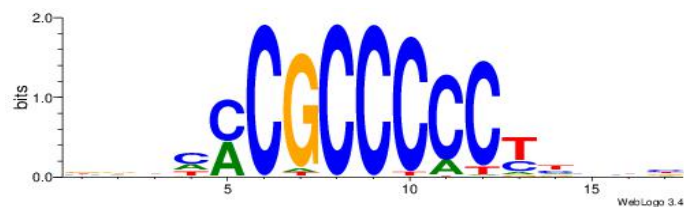
Motif ID: [UP00002](#)
 Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0299159

Alignment:

BVVHAGGGGGCGRDHHB
 -----DGGGYGKGGC-

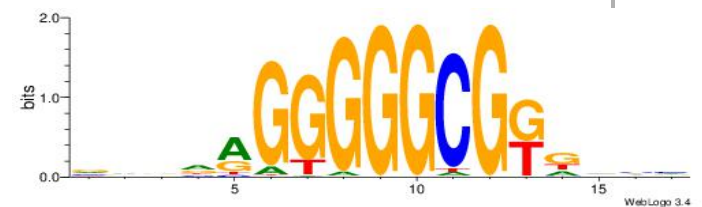
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



Motif ID: [UP00000](#)
 Motif name: Smad3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5

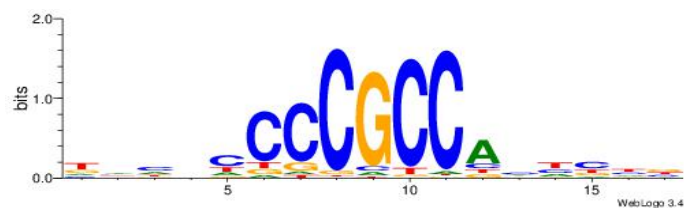
Number of overlap: 10
Similarity score: 0.0308595

Alignment:

BHBHDTGGCGGGGBDHD
-----DGGGYGKGGC---

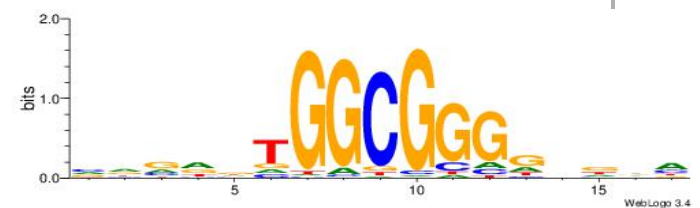
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD



Motif ID: [UP00047](#)
Motif name: Zbtb7b_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 10
Similarity score: 0.0345891

Alignment:

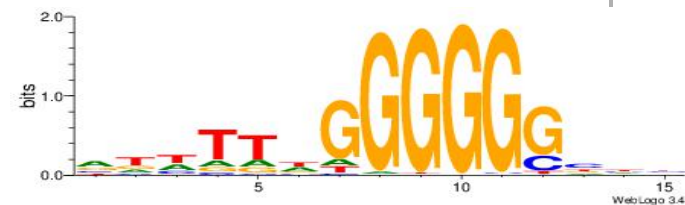
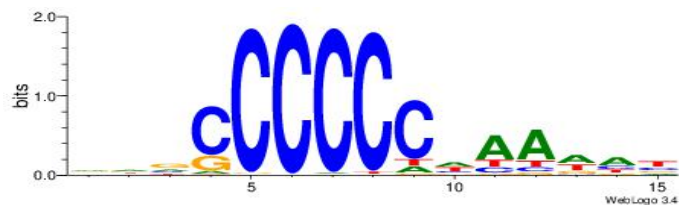
VHWTTHGGGGGGVDD
GCCYCMCCCD-----

Original motif

Consensus sequence: DDVCCCCCHAAWHB

Reverse complement motif

Consensus sequence: VHWTTHGGGGGGVDD

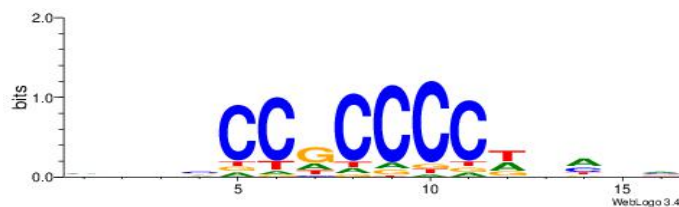


Motif ID: [UP00043](#)
 Motif name: Bcl6b_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0346735

Alignment:
 HBBBCCGCCCCWHHHV
 --GCCYCMCCCD----

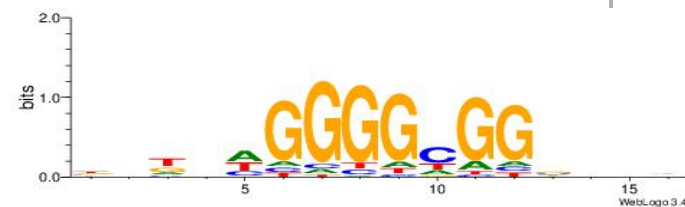
Original motif

Consensus sequence: HBBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



Motif ID: [UP00538](#)

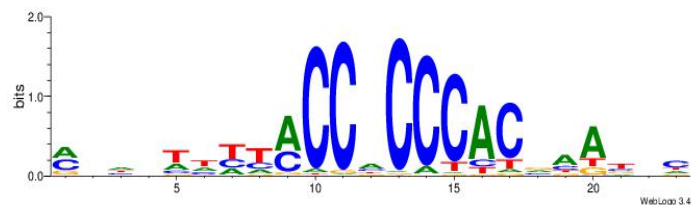
Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 10
 Similarity score: 0.0351496

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 -----GCCYCMCCCD-----

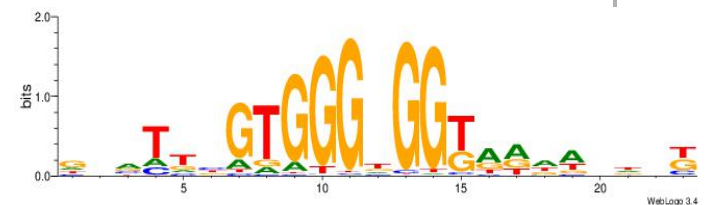
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Dataset #: 3 Motif ID: 53 Motif name: MIZF

Original motif

Consensus sequence: BAACGTCCGC

Reverse complement motif

Consensus sequence: GCGGACGTTV



Best Matches for Motif ID 53 (Highest to Lowest)

Motif ID: [UP00419](#)
 Motif name: Spic
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0

Alignment:

DWACTTCCRCTTTB
 BAACGTCCGC-----

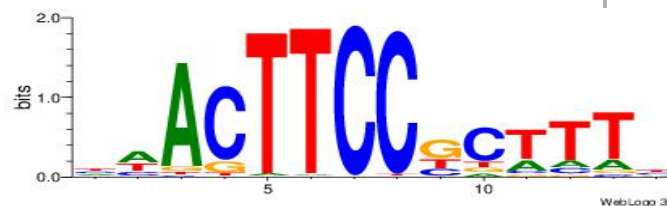
Original motif

Consensus sequence: VAAAGMGGGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRCTTTB

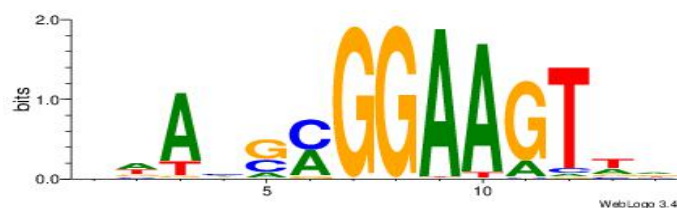


Motif ID: [UP00409](#)
Motif name: Elf5
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 10
Similarity score: 0.00379999

Alignment:
BWAHSMGGAAGTWD
BAACGTCCGC-----

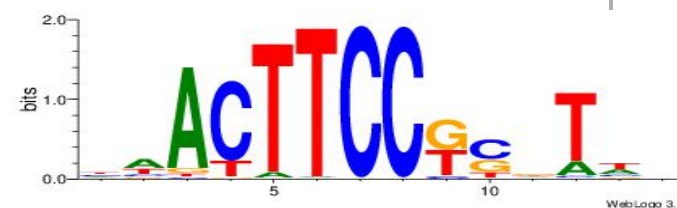
Original motif

Consensus sequence: BWAHSMGGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRSDTWV



Motif ID: [UP00413](#)
Motif name: Elf4
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 10

Similarity score: 0.0124101

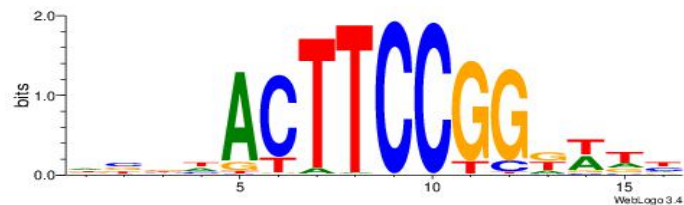
Alignment:

DBBHACTTCCGGKWTH

--BAACGTCCGC----

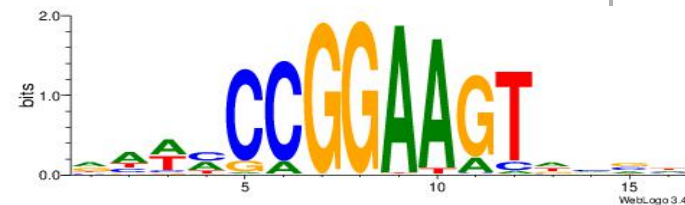
Original motif

Consensus sequence: DBBHACTTCCGGKWTH



Reverse complement motif

Consensus sequence: HAWYCCGGAAGTHBBD



Motif ID: [UP00404](#)
Motif name: Elf2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 10
Similarity score: 0.0128348

Alignment:

DBBHACTTCCGGDWDB

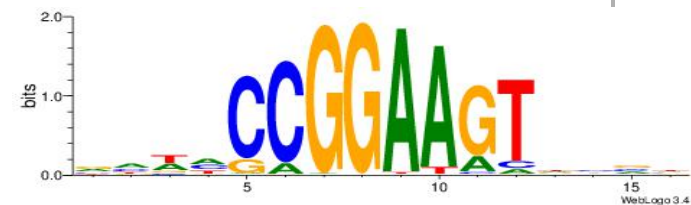
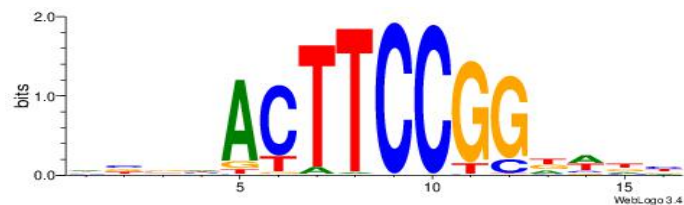
--BAACGTCCGC----

Original motif

Consensus sequence: DBBHACTTCCGGDWDB

Reverse complement motif

Consensus sequence: BDWDCCGGAAGTHBBD



Motif ID: [UP00085](#)
 Motif name: Sfpi1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0141516

Alignment:
 BDAWGVGGAAGTDH
 BAACGTCCGC-----

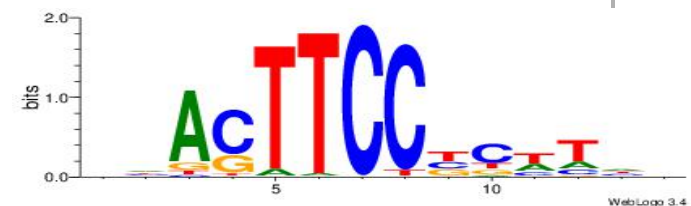
Original motif

Consensus sequence: BDAWGVGGAAGTDH



Reverse complement motif

Consensus sequence: HDACTTCCBCWTDV



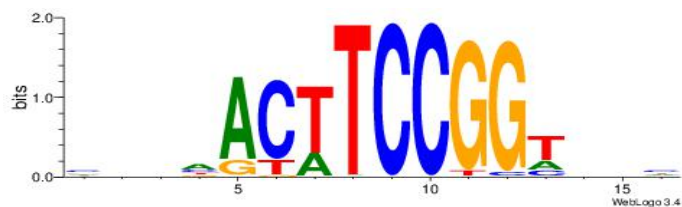
Motif ID: [UP00423](#)
 Motif name: Gm5454

Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0144665

Alignment:
 DVHACCGGAAGTHDDV
 ----GCGGACGTTV--

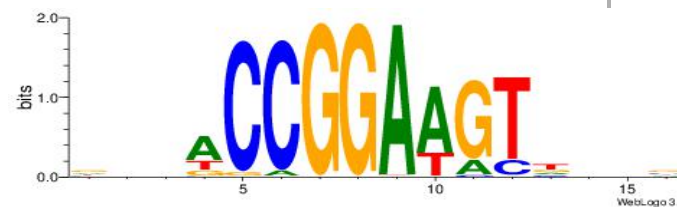
Original motif

Consensus sequence: VDHHA¹CTTCCGGTHVH



Reverse complement motif

Consensus sequence: DVHACCGGAAGTHDDV



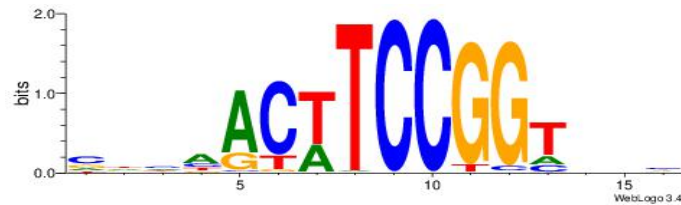
Motif ID: [UP00412](#)
 Motif name: Etv5
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0155825

Alignment:

DHHACCGGAWGTTDDV
----GCGGACGTTV--

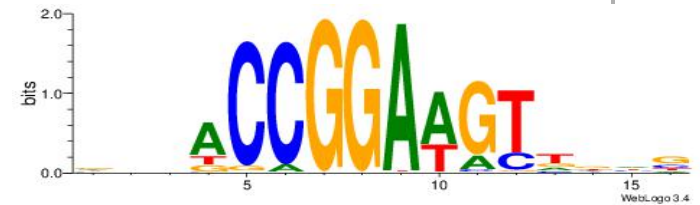
Original motif

Consensus sequence: VDHAACWTCCGGTHHH



Reverse complement motif

Consensus sequence: DHHACCGGAWGTTDDV



Motif ID:	UP00015
Motif name:	Ehf_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	6
Number of overlap:	10
Similarity score:	0.0162018

Alignment:

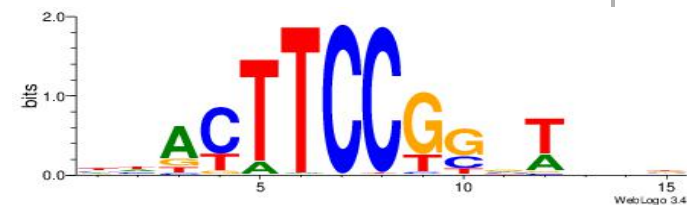
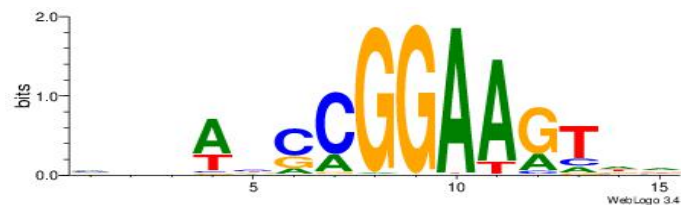
VBDABCCGGAAGTDD
-----GCGGACGTTV

Original motif

Consensus sequence: VBDABCCGGAAGTDD

Reverse complement motif

Consensus sequence: DDACTTCCGGBTHBB

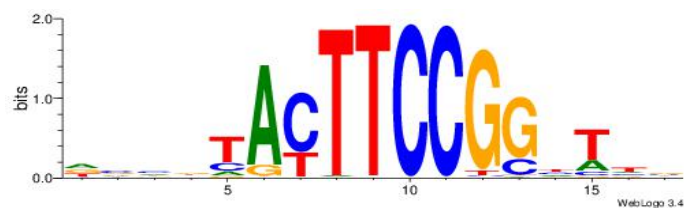


Motif ID: [UP00418](#)
 Motif name: Etv6
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0171234

Alignment:
 DVHBTACTTCCGGHTHB
 ---BAACGTCCGC-----

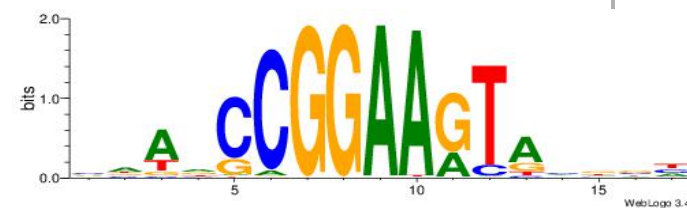
Original motif

Consensus sequence: DVHBTACTTCCGGHTHB



Reverse complement motif

Consensus sequence: BHAHCCGGAAGTABDVD



Motif ID: [UP00421](#)

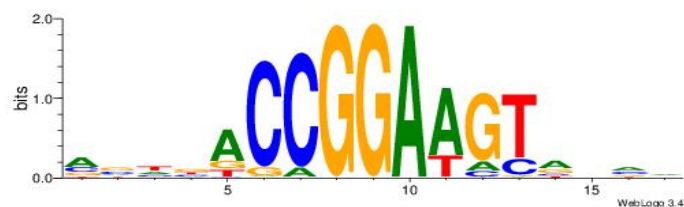
Motif name: Etv1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0184147

Alignment:

MVHBACCGGAAGTVDVH
 -----GCGGACGTTV--

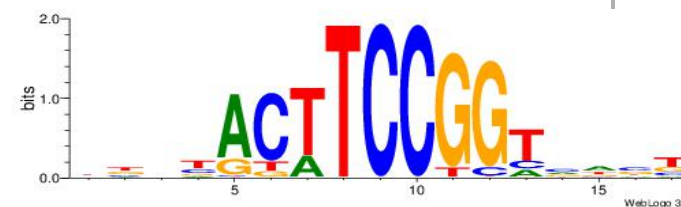
Original motif

Consensus sequence: MVHBACCGGAAGTVDVH



Reverse complement motif

Consensus sequence: HBDBACTTCCGGTBHVY



Dataset #: 3 Motif ID: 54 Motif name: Myc

Original motif

Consensus sequence: VGCACGTGGH

Reverse complement motif

Consensus sequence: DCCACGTGCV



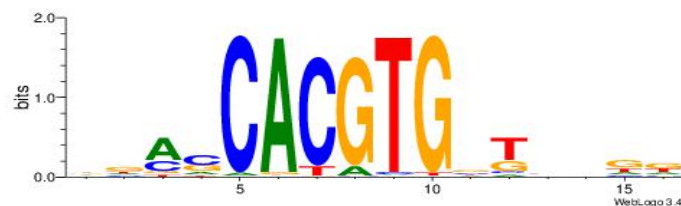
Best Matches for Motif ID 54 (Highest to Lowest)

Motif ID: [UP00060](#)
 Motif name: Max_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0

Alignment:
 DDASCACGTGBTBVDD
 --VGCACGTGGH----

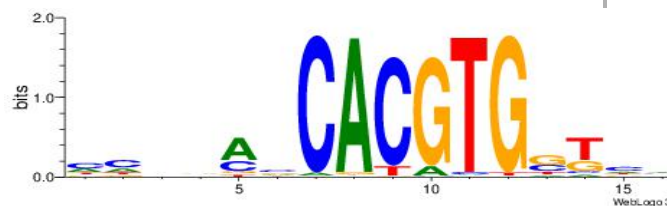
Original motif

Consensus sequence: DDASCACGTGBTBVDD



Reverse complement motif

Consensus sequence: HHVBABCACGTGSTHD



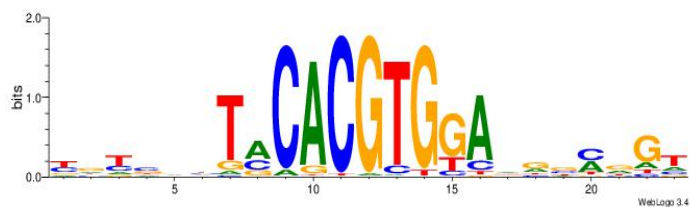
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 10
 Similarity score: 0.00631885

Alignment:

ACHRBHDTCCACGTGYAHBMMH
 -----DCCACGTGCV-----

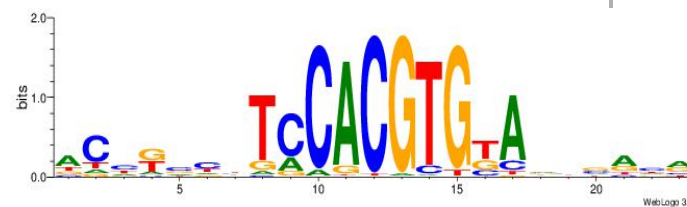
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHBMMH



Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7

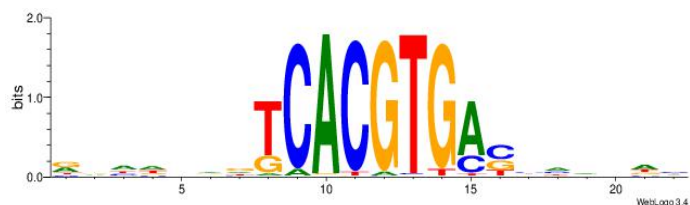
Number of overlap: 10
Similarity score: 0.00821668

Alignment:

DDHBHBSTCACGTGAHBBDHHM
-----DCCACGTGCV-----

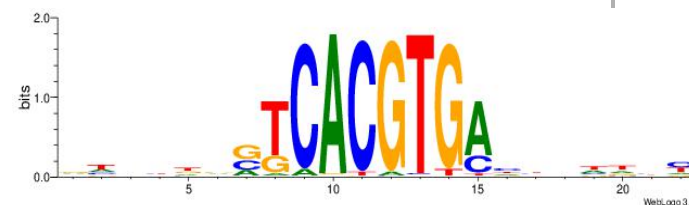
Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHHM



Motif ID: [UP00046](#)
Motif name: Tcfe2a_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 10
Similarity score: 0.0140005

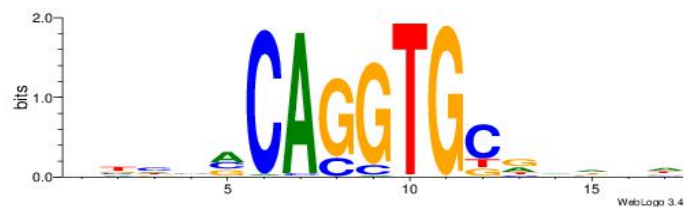
Alignment:

DHDBHGCACCTGBDDVB
----VGCACGTGGH---

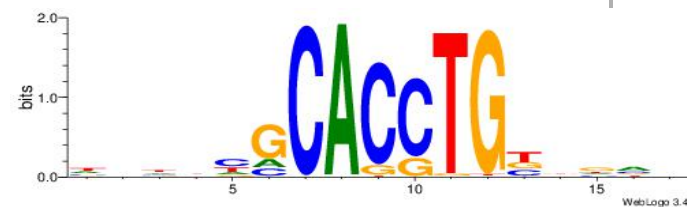
Original motif

Reverse complement motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Consensus sequence: DHDBHGCACCTGBDDVB



Motif ID: [UP00060](#)
Motif name: Max_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 10
Similarity score: 0.0308912

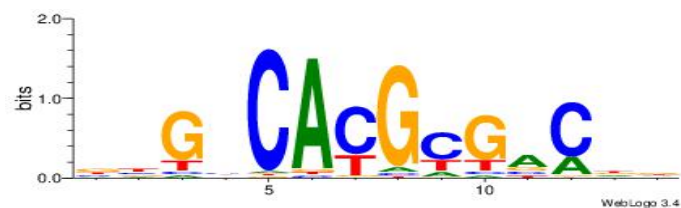
Alignment:

BBGHCACGCGACDD

--VGCACGTGGH--

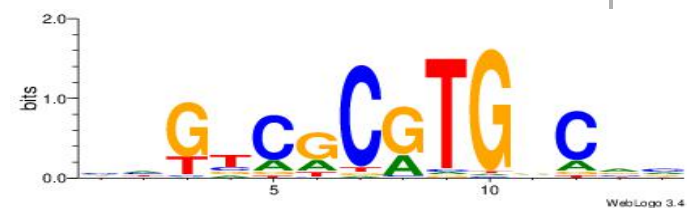
Original motif

Consensus sequence: BBGHCACGCGACDD



Reverse complement motif

Consensus sequence: HDGTCGCGTGDCVB



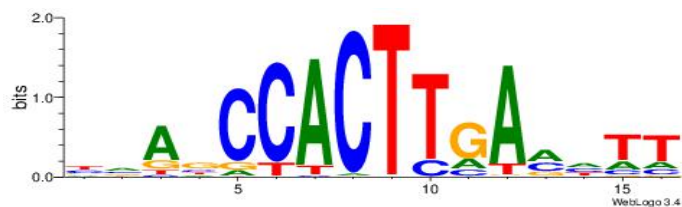
Motif ID: [UP00165](#)
 Motif name: Titf1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0311723

Alignment:

BVABCCACTTGAMHTT
 ---DCCACGTGCV---

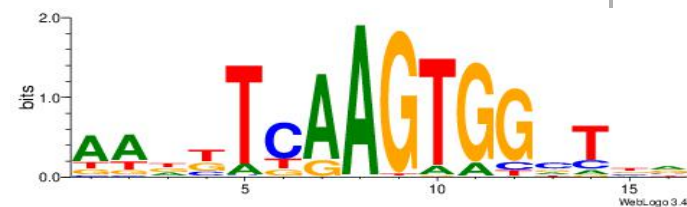
Original motif

Consensus sequence: BVABCCACTTGAMHTT



Reverse complement motif

Consensus sequence: AAHYTCAAGTGGBTBV



Motif ID: [UP00249](#)
 Motif name: Nkx2-5
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

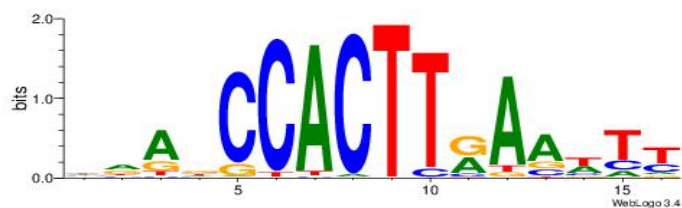
Number of overlap: 10
Similarity score: 0.031308

Alignment:

HDADCCACTTTRAAWTT
---DCCACGTGCV---

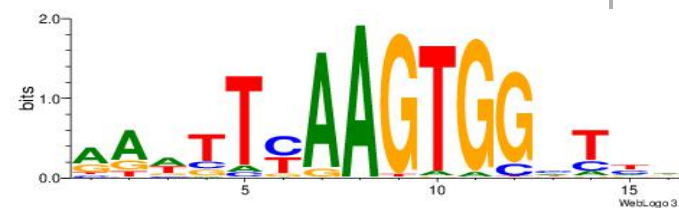
Original motif

Consensus sequence: HDADCCACTTTRAAWTT



Reverse complement motif

Consensus sequence: AAWTTMAAGTGGHTDH



Motif ID: [UP00231](#)
Motif name: Nkx2-2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 10
Similarity score: 0.0334845

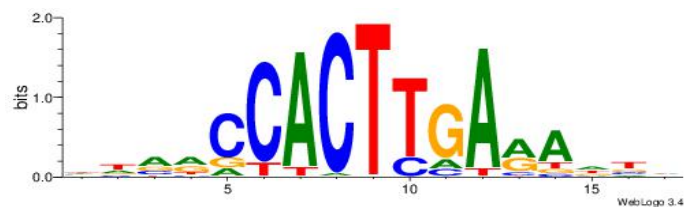
Alignment:

HDVRCCACTTGARADB
---DCCACGTGCV---

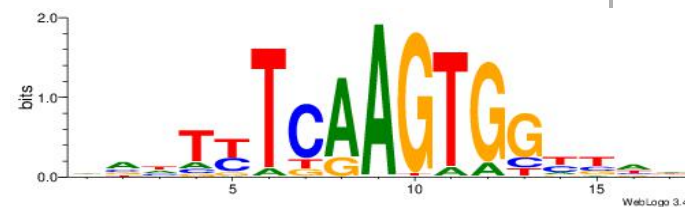
Original motif

Reverse complement motif

Consensus sequence: HDVRCCACTTGARADBD



Consensus sequence: DVDTKTCAAGTGGKBDH



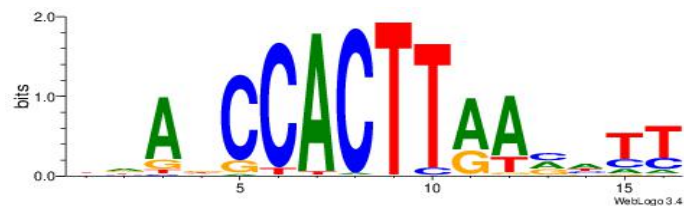
Motif ID: [UP00147](#)
Motif name: Nkx2-6
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 10
Similarity score: 0.0345548

Alignment:

DDADCCACTTAAVHTT
---DCCACGTGCV---

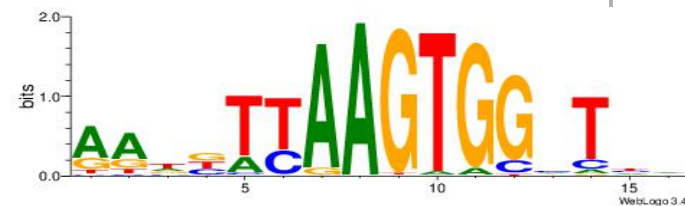
Original motif

Consensus sequence: DDADCCACTTAAVHTT



Reverse complement motif

Consensus sequence: AAHVTTAAGTGGHTDD



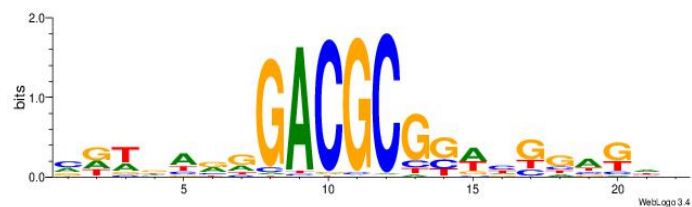
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0363818

Alignment:

VDWDARRGACGCGGWHGGAHV
 -----VGCACGTGGH-----

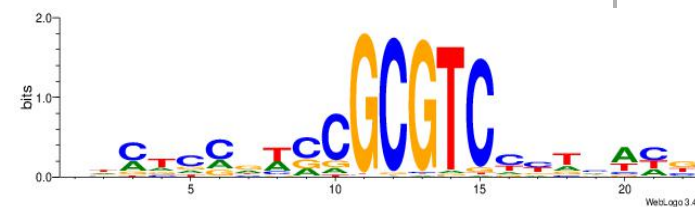
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



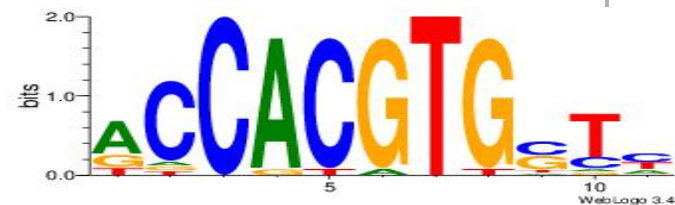
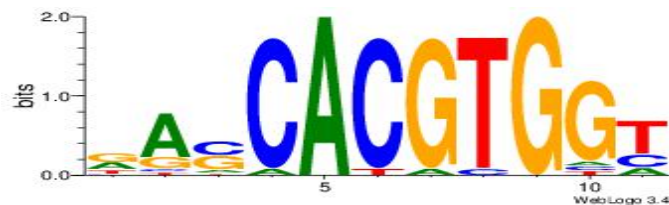
Dataset #: 3 Motif ID: 55 Motif name: MYCMAX

Original motif

Consensus sequence: RASCACGTGGT

Reverse complement motif

Consensus sequence: ACCACGTGSTM



Best Matches for Motif ID 55 (Highest to Lowest)

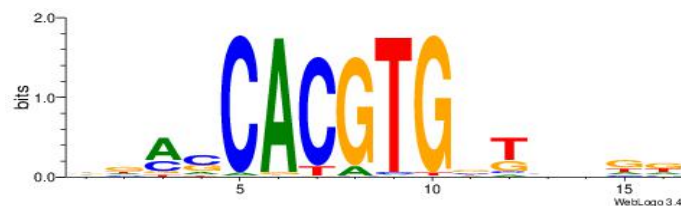
Motif ID: [UP00060](#)
 Motif name: Max_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0

Alignment:

HHVBABCACGTGSTHD
 ---RASCACGTGGT--

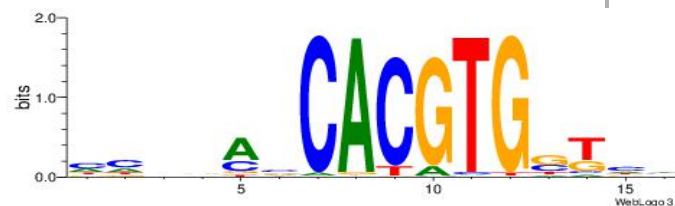
Original motif

Consensus sequence: DDASCACGTGBTBVDD



Reverse complement motif

Consensus sequence: HHVBABCACGTGSTHD



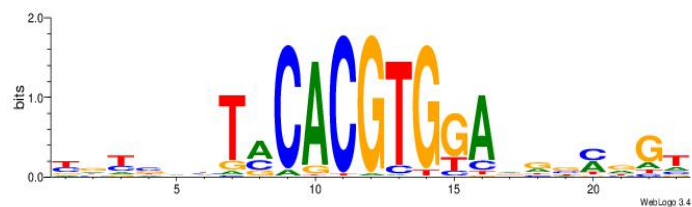
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 11
 Similarity score: 0.025477

Alignment:

ACHRBHDTCCACGTGYAHHBMHM
 -----ACCACGTGSTM-----

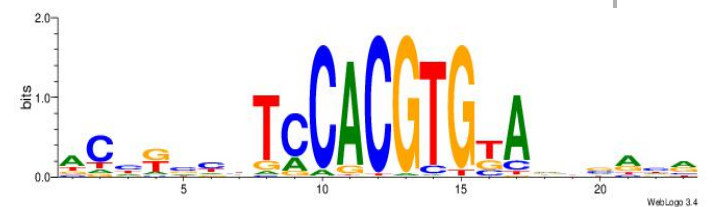
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6

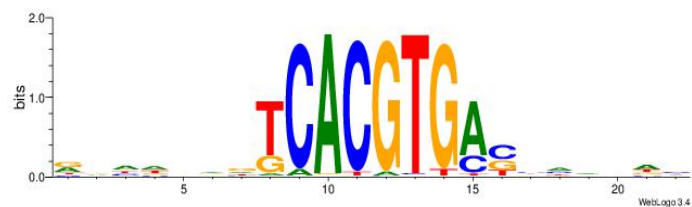
Number of overlap: 11
Similarity score: 0.033078

Alignment:

RDHDBVDTACGTGASBHVHDH
-----RASCACGTGGT-----

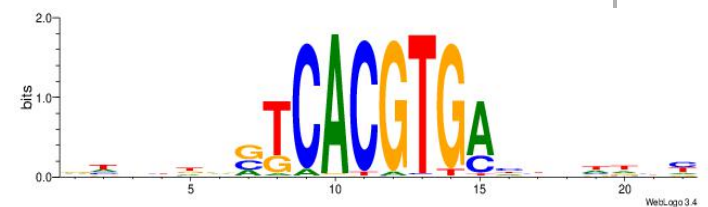
Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHMH



Motif ID: [UP00046](#)
Motif name: Tcfe2a_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0375583

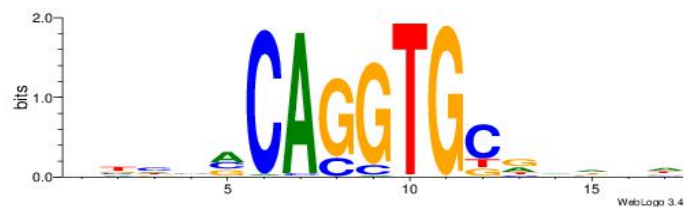
Alignment:

VBHHVCAGGTGCDVDHD
---ACCACGTGSTM---

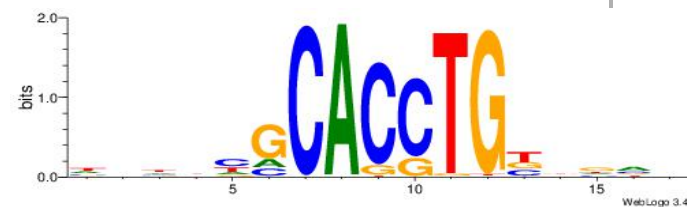
Original motif

Reverse complement motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Consensus sequence: DHDBHGCACCTGBDDVB



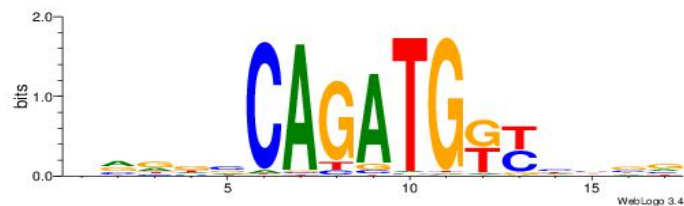
Motif ID: [UP00046](#)
Motif name: Tcfe2a_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 11
Similarity score: 0.0452419

Alignment:

HVDDVCAGATGKYHBBV
--RASCACGTGGT----

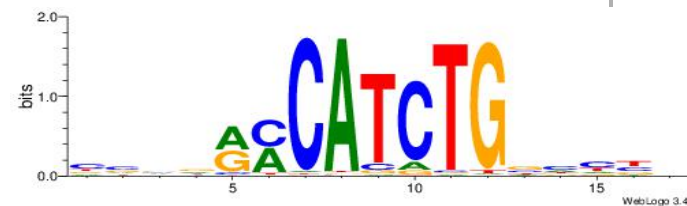
Original motif

Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif

Consensus sequence: VBBDMYCATCTGVHHBH



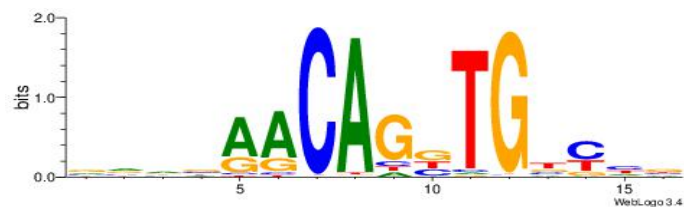
Motif ID: [UP00036](#)
 Motif name: Myf6_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0471968

Alignment:

VVDBAACAGBTGBYHB
 ---RASCACGTGGT--

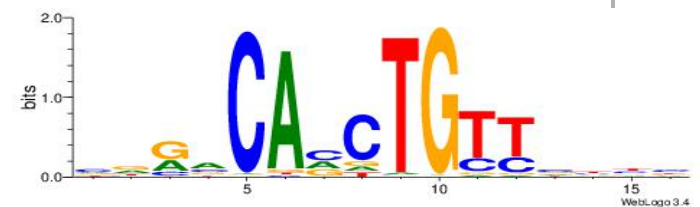
Original motif

Consensus sequence: VVDBAACAGBTGBYHB



Reverse complement motif

Consensus sequence: BDKVCABCTGTTBDBV



Motif ID: [UP00099](#)
 Motif name: Ascl2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

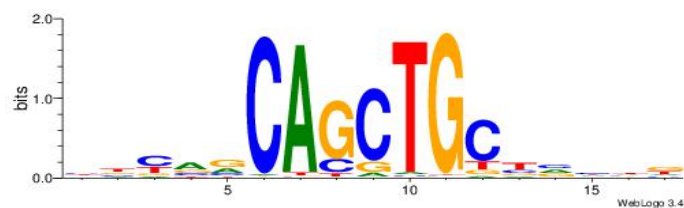
Number of overlap: 11
Similarity score: 0.0504418

Alignment:

BBYVVCAGCTGCBVHHD
---ACCACGTGSTM---

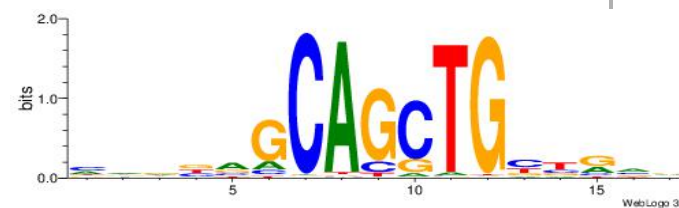
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HHDVVCAGCTGVBKVB



Motif ID: [UP00084](#)
Motif name: Gmeb1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.0522039

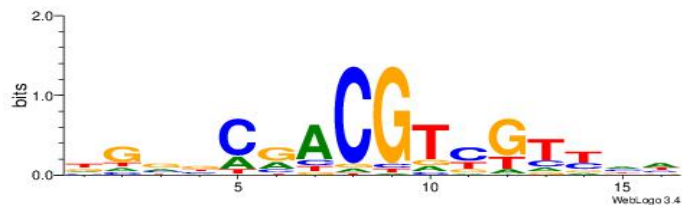
Alignment:

HHMACKACGTMGBVCD
---ACCACGTGSTM--

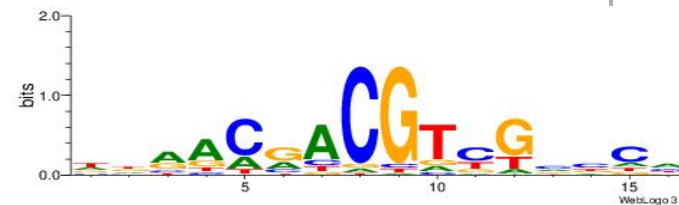
Original motif

Reverse complement motif

Consensus sequence: DGVBCRACGTYGTYHH



Consensus sequence: HHMACKACGTMGBVCD



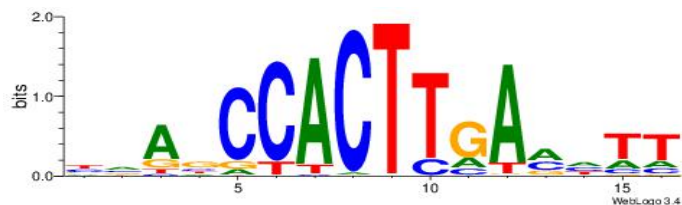
Motif ID: [UP00165](#)
Motif name: Titf1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 11
Similarity score: 0.0554094

Alignment:

BVABCCACTTGAMHTT
---ACCACGTGSTM---

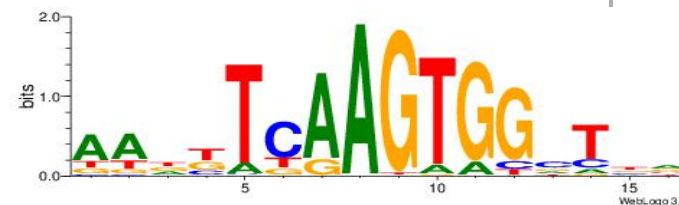
Original motif

Consensus sequence: BVABCCACTTGAMHTT



Reverse complement motif

Consensus sequence: AAHYTCAAGTGGTBTV



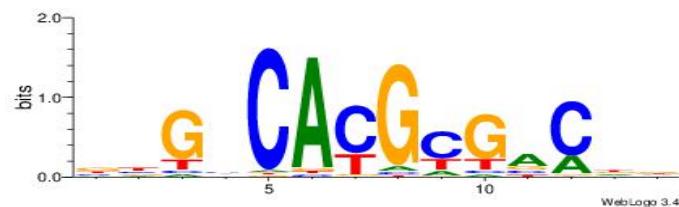
Motif ID: [UP00060](#)
 Motif name: Max_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0557594

Alignment:

HDGTCGCGTGDCVB
 -RASCACGTGGT--

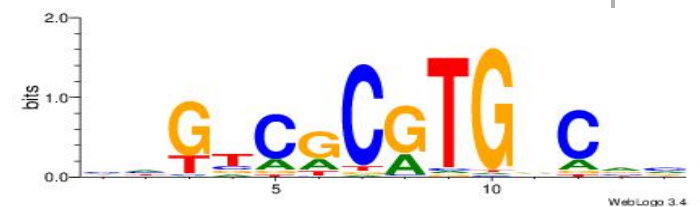
Original motif

Consensus sequence: BBGHCACGCGACDD



Reverse complement motif

Consensus sequence: HDGTCGCGTGDCVB



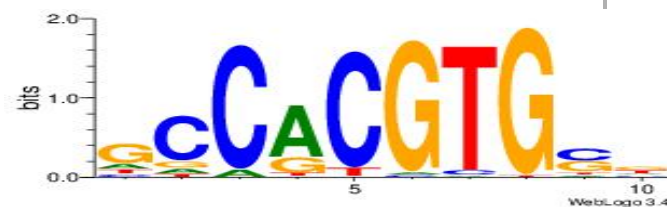
Dataset #: 3 Motif ID: 56 Motif name: Mycn

Original motif

Consensus sequence: HSCACGTGGC

Reverse complement motif

Consensus sequence: GCCACGTGSD



Best Matches for Motif ID 56 (Highest to Lowest)

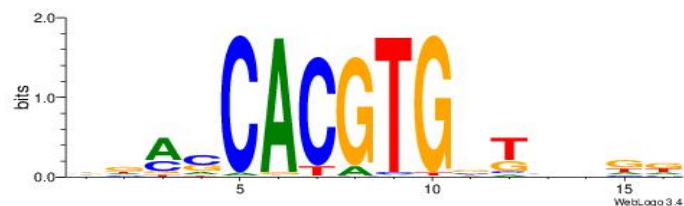
Motif ID: [UP00060](#)
 Motif name: Max_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0

Alignment:

DDASCACGTGBTBVDD
 --HSCACGTGGC----

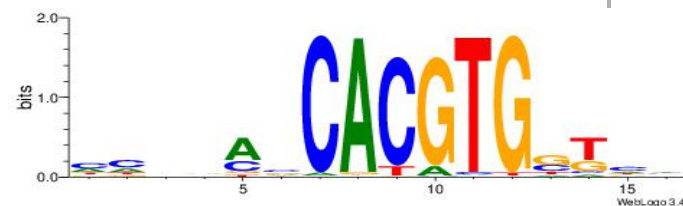
Original motif

Consensus sequence: DDASCACGTGBTBVDD



Reverse complement motif

Consensus sequence: HHVBABCACGTGSTHD



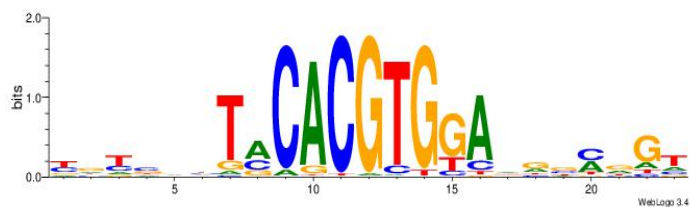
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.00783793

Alignment:

ACHRBHDTCCACGTGYAHHBMHM
 -----GCCACGTGSD-----

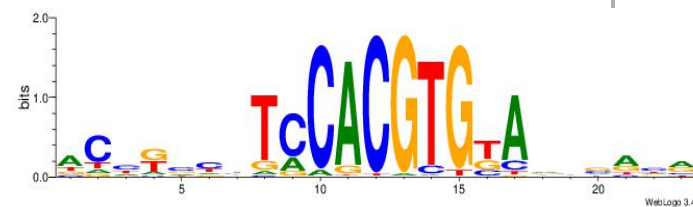
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7

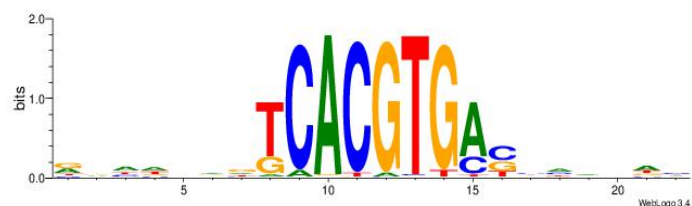
Number of overlap: 10
Similarity score: 0.0132858

Alignment:

DDHBHBSTCACGTGAHBBDHHM
-----GCCACGTGSD-----

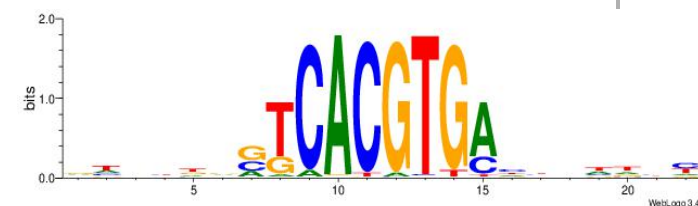
Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHHM



Motif ID: [UP00046](#)
Motif name: Tcfe2a_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 10
Similarity score: 0.0227933

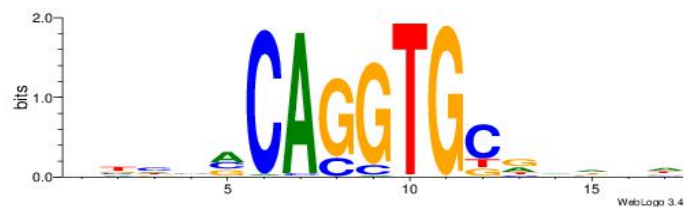
Alignment:

VBHHVCAGGTGCDVDHD
---GCCACGTGSD----

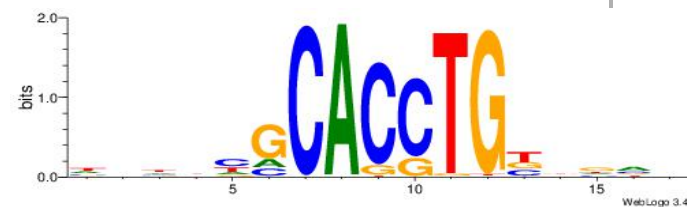
Original motif

Reverse complement motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Consensus sequence: DHDBHGCACCTGBDDVB



Motif ID: [UP00060](#)
Motif name: Max_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 10
Similarity score: 0.0257011

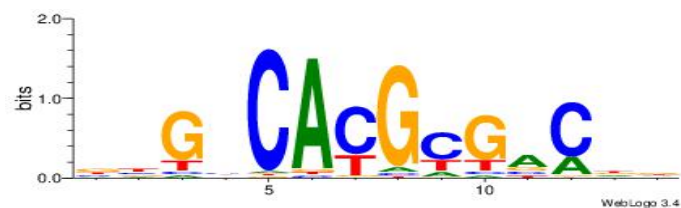
Alignment:

BBGHCACGCGACDD

--HSCACGTGGC--

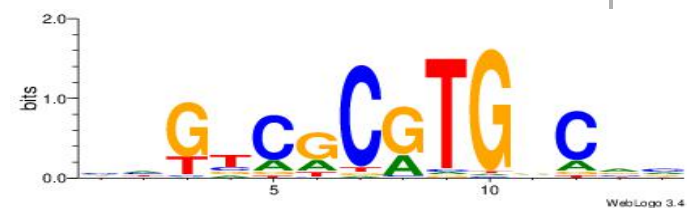
Original motif

Consensus sequence: BBGHCACGCGACDD



Reverse complement motif

Consensus sequence: HDGTCGCGTGDCVB



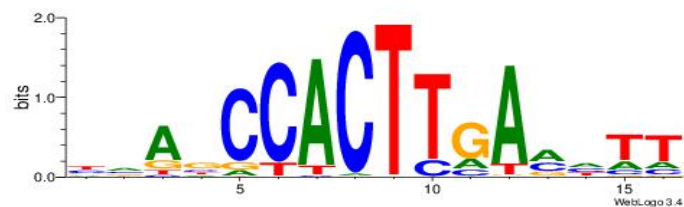
Motif ID: [UP00165](#)
 Motif name: Titf1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0344833

Alignment:

BVABCCACTTGAMHTT
 ---GCCACGTGSD---

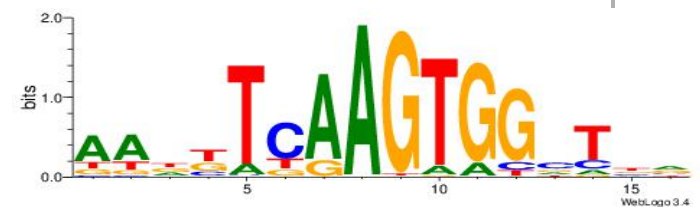
Original motif

Consensus sequence: BVABCCACTTGAMHTT



Reverse complement motif

Consensus sequence: AAHYTCAAGTGGBTBV



Motif ID: [UP00231](#)
 Motif name: Nkx2-2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5

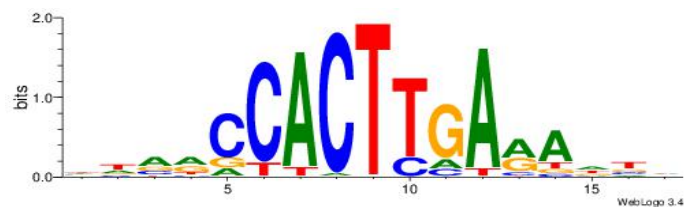
Number of overlap: 10
Similarity score: 0.035228

Alignment:

HDVRCCACTTGARADBD
---GCCACGTGSD----

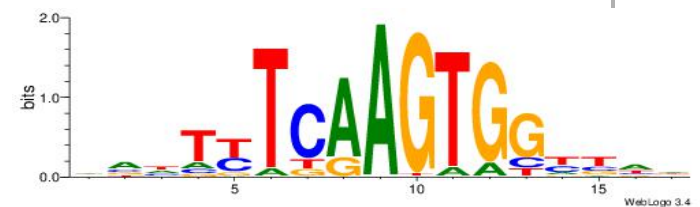
Original motif

Consensus sequence: HDVRCCACTTGARADBD



Reverse complement motif

Consensus sequence: DVDTKTCAAGTGGKBDH



Motif ID: [UP00084](#)
Motif name: Gmeb1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 10
Similarity score: 0.0358581

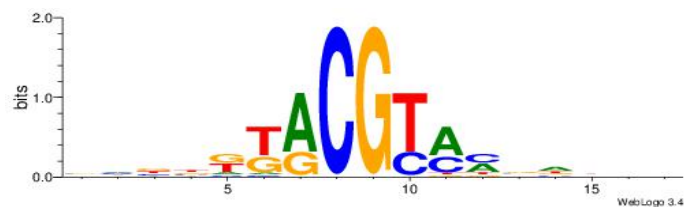
Alignment:

BVVDVRYACGTRYVBHB
----GCCACGTGSD---

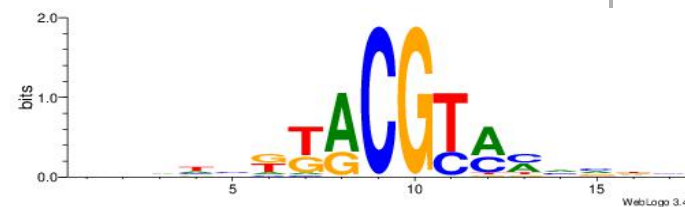
Original motif

Reverse complement motif

Consensus sequence: BHBBKKACGTMMVDBVB



Consensus sequence: BVVDVRYACGTRYVBHB



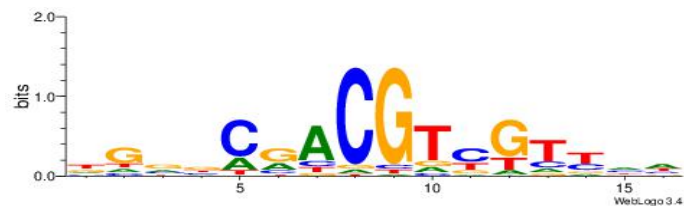
Motif ID: [UP00084](#)
Motif name: Gmeb1_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 10
Similarity score: 0.03725

Alignment:

HHMACKACGTMGBVCD
---HSCACGTGGC---

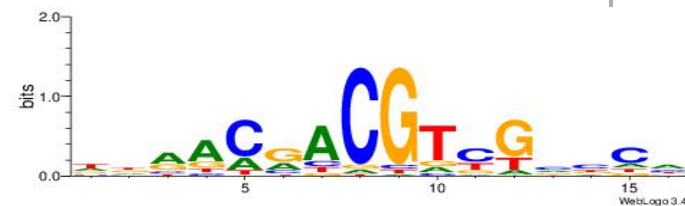
Original motif

Consensus sequence: DGVBCRACGTYGTYYH



Reverse complement motif

Consensus sequence: HHMACKACGTMGBVCD



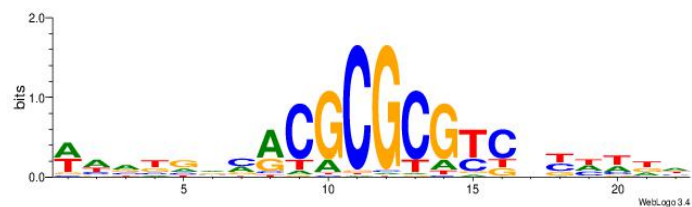
Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0383187

Alignment:

WHVBVVMACGCGCGTCDYHWDH
 -----HSCACGTGGC-----

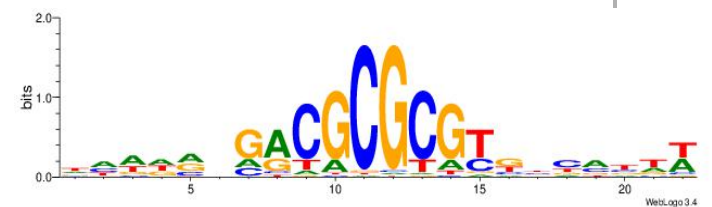
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



Dataset #: 3 **Motif ID: 57** **Motif name: MZF1_5-13**

Original motif

Consensus sequence: BKAGGGGDAD

Reverse complement motif

Consensus sequence: BTHCCCTYB



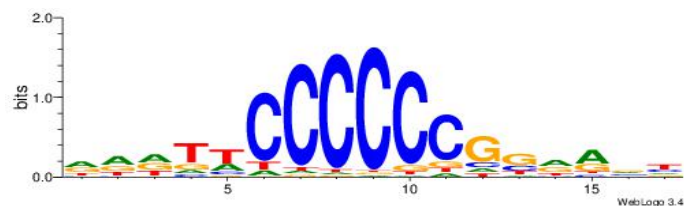
Best Matches for Motif ID 57 (Highest to Lowest)

Motif ID: [UP00022](#)
 Motif name: Zfp740_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0090535

Alignment:
 DDDTWCCCCCGGDRVH
 ---BTHCCCTYB----

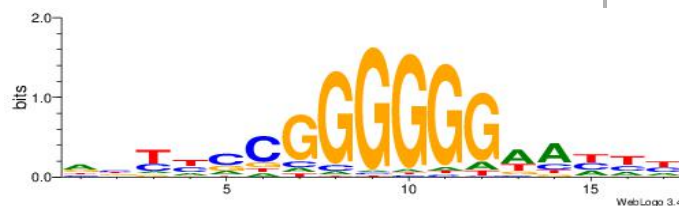
Original motif

Consensus sequence: DDDTWCCCCCGGDRVH



Reverse complement motif

Consensus sequence: HVKDCCGGGGGGWADDD



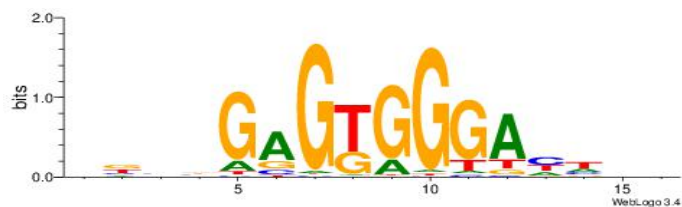
Motif ID: [UP00007](#)
 Motif name: Egr1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.00910178

Alignment:

BBHBGAGTGGGAHHDB
 ---BKAGGGGDAD---

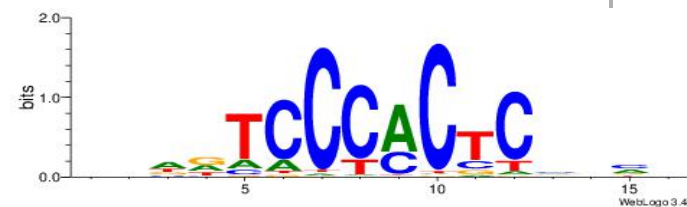
Original motif

Consensus sequence: BBHBGAGTGGGAHHDB



Reverse complement motif

Consensus sequence: BHHDTCCTCCACTCBDBV



Motif ID: [UP00070](#)
 Motif name: Gcm1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3

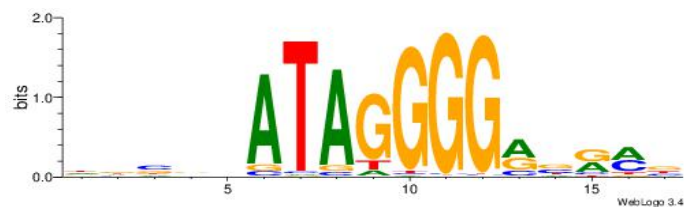
Number of overlap: 10
Similarity score: 0.0101177

Alignment:

DDBVHATAGGGGRBRMB
-----BKAGGGGDAD--

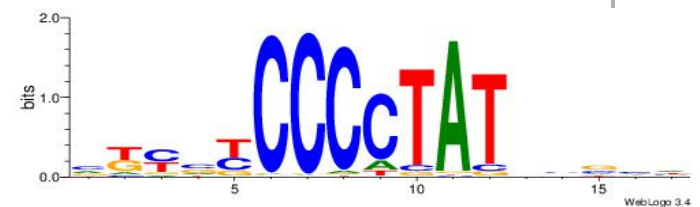
Original motif

Consensus sequence: DDBVHATAGGGGRBRMB



Reverse complement motif

Consensus sequence: BYMBKCCCCTATDVBHD



Motif ID: [UP00021](#)
Motif name: Zfp281_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 6
Number of overlap: 10
Similarity score: 0.0103225

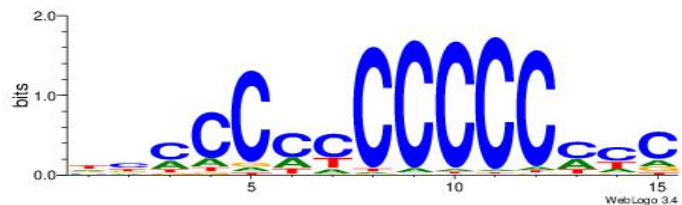
Alignment:

GKRGGGGGGGGGGBD
BKAGGGGDAD-----

Original motif

Reverse complement motif

Consensus sequence: DBCCCCCCCCCMYC



Consensus sequence: GKRGGGGGGGGGGBD



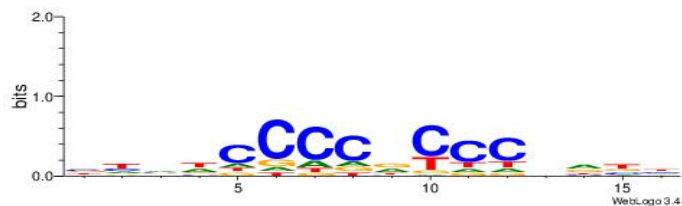
Motif ID: [UP00099](#)
Motif name: Ascl2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 10
Similarity score: 0.0126235

Alignment:

HVDVGGGGHGGGGDBHB
-----BKAGGGGDAD--

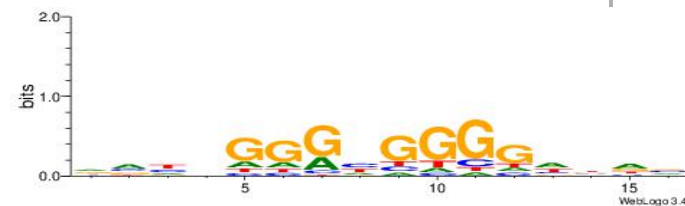
Original motif

Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif

Consensus sequence: HVDVGGGGHGGGGDBHB



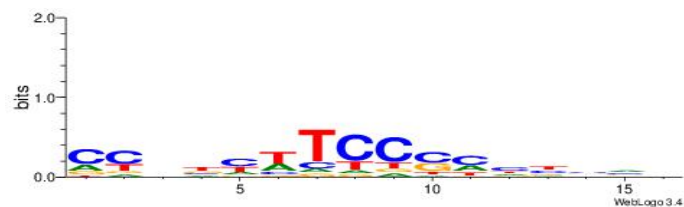
Motif ID: [UP00013](#)
 Motif name: Gabpa_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.013531

Alignment:

DBVVDRSGGAWKVHKG
 -BKAGGGGDAD-----

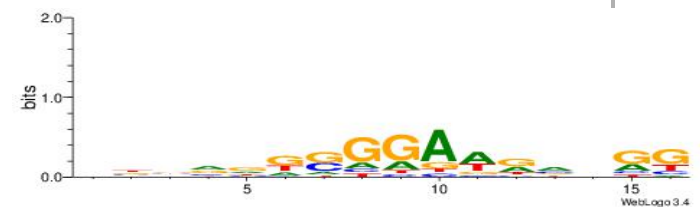
Original motif

Consensus sequence: CYDBYWTCCSMHBVVH



Reverse complement motif

Consensus sequence: DBVVDRSGGAWKVHKG

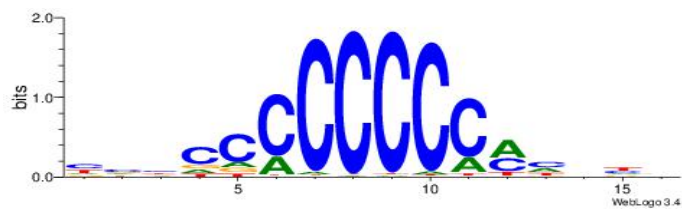


Motif ID: [UP00022](#)
 Motif name: Zfp740_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4

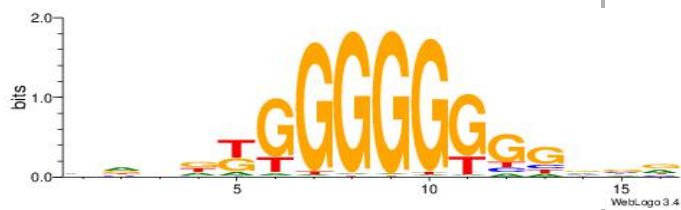
Number of overlap: 10
Similarity score: 0.0152996

Alignment:
BHHDYGGGGGGGGBVD
---BKAGGGGDAD---

Original motif
Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif
Consensus sequence: BHHDYGGGGGGGGBVD



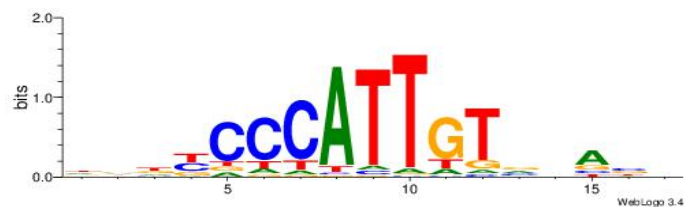
Motif ID: [UP00055](#)
Motif name: Hbp1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 10
Similarity score: 0.0176527

Alignment:
DDDYCCCATTGTVHABH
-BTHCCCCTYB-----

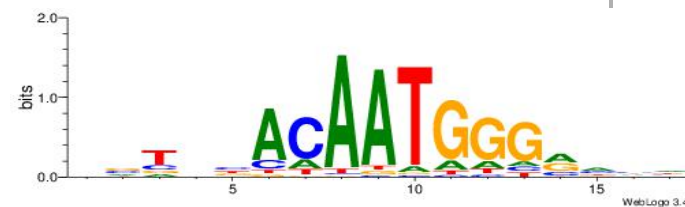
Original motif

Reverse complement motif

Consensus sequence: DDDYCCCATTGTVHABH



Consensus sequence: HBTHVACAATGGGMDHD



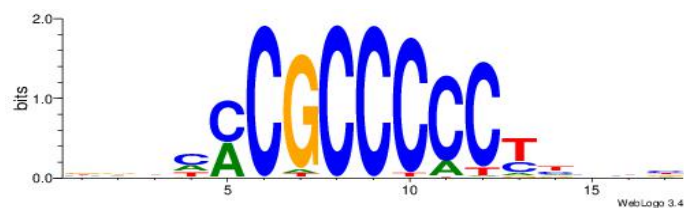
Motif ID: [UP00002](#)
Motif name: Sp4_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 10
Similarity score: 0.0183345

Alignment:

BDHHMCGCCCCCTHVBB
-----BTHCCCTYB--

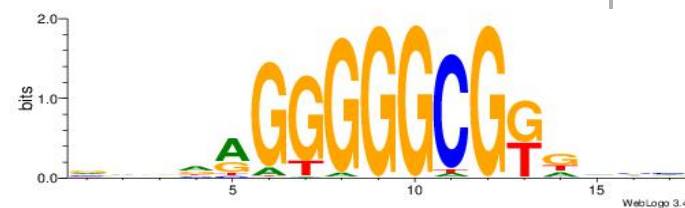
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



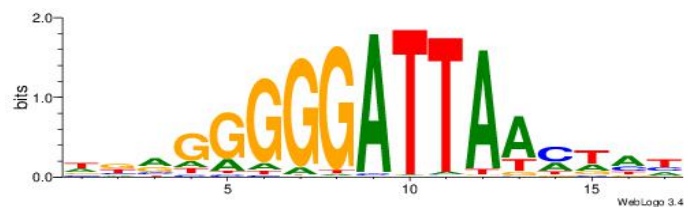
Motif ID: [UP00239](#)
 Motif name: Obox2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.019782

Alignment:

DBRGGGGGATTAAMTAH
 BKAGGGGDAD-----

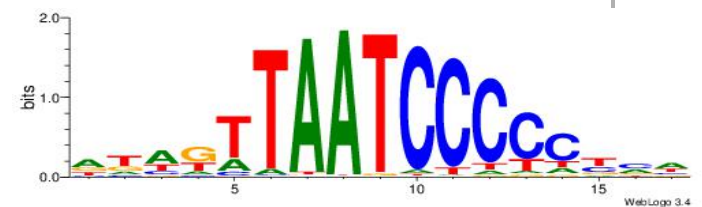
Original motif

Consensus sequence: DBRGGGGGATTAAMTAH



Reverse complement motif

Consensus sequence: HTARTTAATCCCCCKBD



Dataset #: 3 Motif ID: 58 Motif name: NFKB1

Original motif

Consensus sequence: GGGGRTTCCCC

Reverse complement motif

Consensus sequence: GGGGAATCCCC



Best Matches for Motif ID 58 (Highest to Lowest)

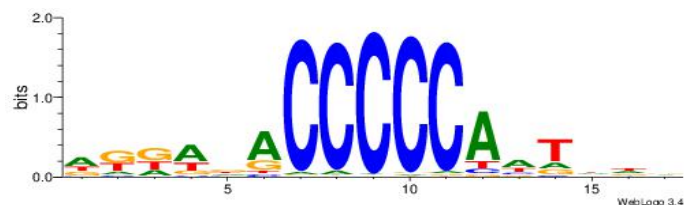
Motif ID: [UP00021](#)
 Motif name: Zfp281_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0371794

Alignment:

DKKWDACCCCAHTDDV
 -----GGGGR TTCCCC

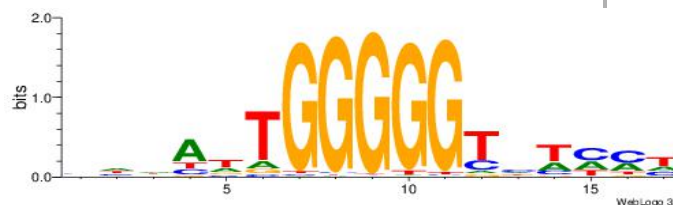
Original motif

Consensus sequence: DKKWDACCCCAHTDDV



Reverse complement motif

Consensus sequence: VDDAHTGGGGGTHWYYD



Motif ID: [UP00088](#)

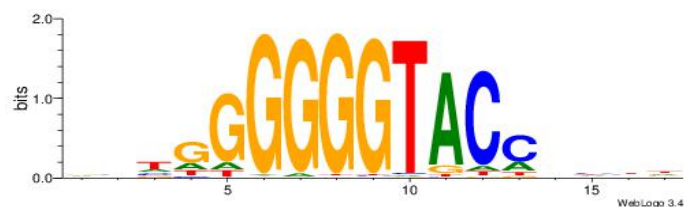
Motif name: Plagl1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0407901

Alignment:

DBHGGGGGGTACCHHD
 ----GGGRTTCCCC--

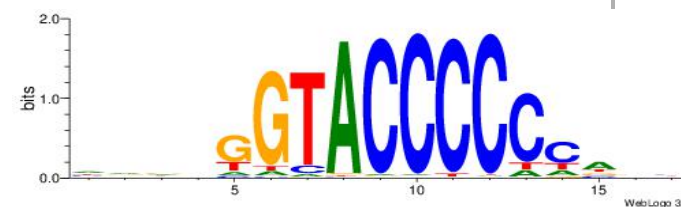
Original motif

Consensus sequence: DBHGGGGGGTACCHHD



Reverse complement motif

Consensus sequence: DHDDGGTACCCCCCHBH



Motif ID: [UP00088](#)
 Motif name: Plagl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 11

Similarity score: 0.0459696

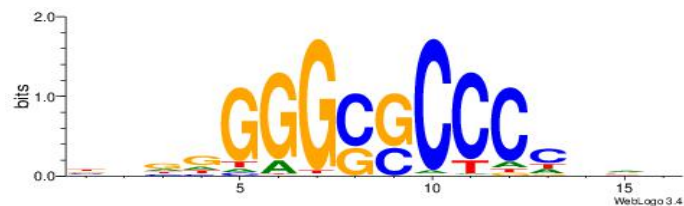
Alignment:

BHDGGGGSSCCCCBVV

--GGGGRTTCCCC---

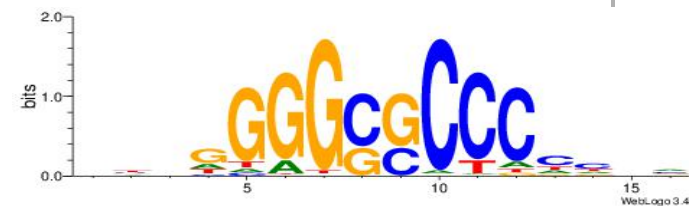
Original motif

Consensus sequence: BHDGGGGSSCCCCBVV



Reverse complement motif

Consensus sequence: VBVGGGGSSCCCCHHV



Motif ID: [UP00176](#)

Motif name: Crx

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 2

Number of overlap: 11

Similarity score: 0.0464973

Alignment:

DGGMTAATCCCCDWBK

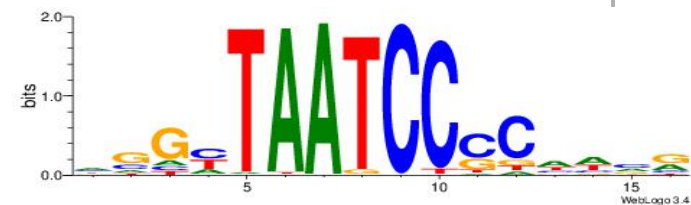
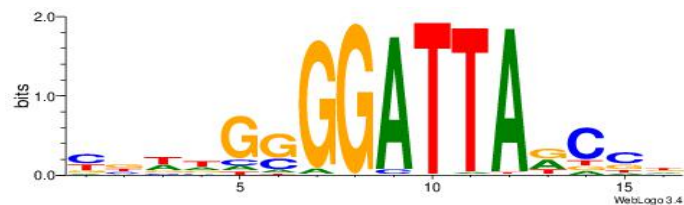
-GGGGAACCCCC----

Original motif

Consensus sequence: YBWDGGGGATTARCCD

Reverse complement motif

Consensus sequence: DGGMTAATCCCCDWBK



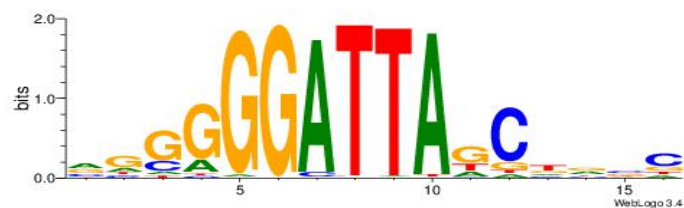
Motif ID: [UP00265](#)
 Motif name: Pitx3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.048533

Alignment:

GBHDGCTAATCCCCCB
 ---GGGGAACKCCC--

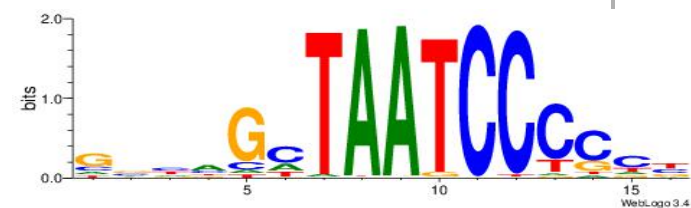
Original motif

Consensus sequence: VGGGGGATTAGCDDBC



Reverse complement motif

Consensus sequence: GBHDGCTAATCCCCCB



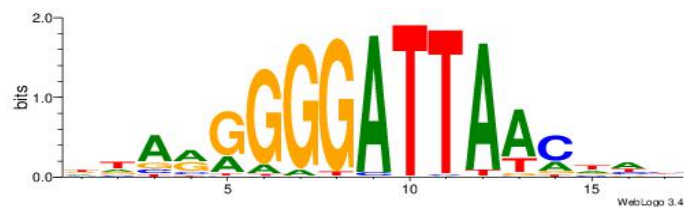
Motif ID: [UP00216](#)
 Motif name: Obox1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0502644

Alignment:

DHDGTTAATCCCCKTDD
 --GGGGAACKCCCC----

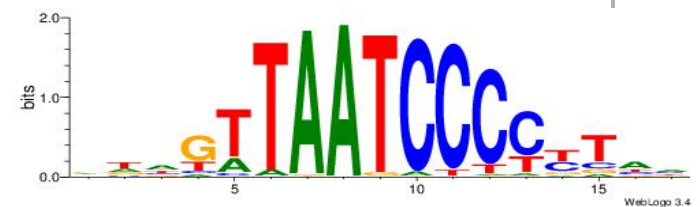
Original motif

Consensus sequence: DDARGGGGATTAACDHH



Reverse complement motif

Consensus sequence: DHDGTTAATCCCCKTDD



Motif ID: [UP00239](#)
 Motif name: Obox2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5

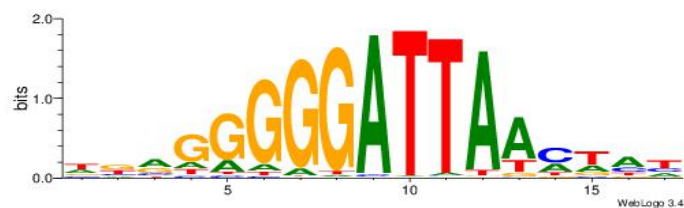
Number of overlap: 11
Similarity score: 0.0515498

Alignment:

HTARTTAATCCCCCKBD
--GGGGAACKCCC----

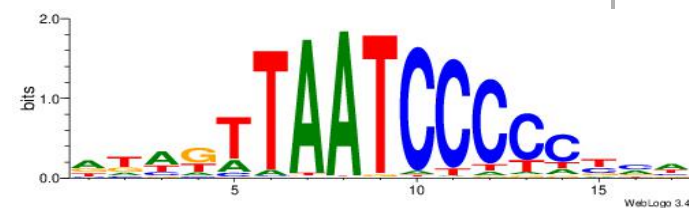
Original motif

Consensus sequence: DBRGGGGGATTAAMTAH



Reverse complement motif

Consensus sequence: HTARTTAATCCCCCKBD



Motif ID: [UP00160](#)
Motif name: Obox3
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 11
Similarity score: 0.0520605

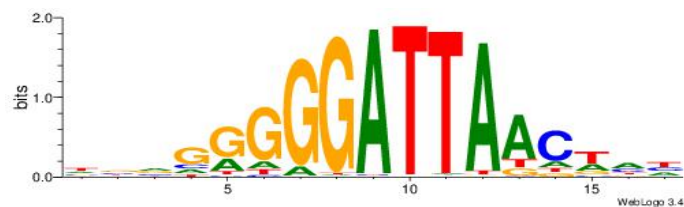
Alignment:

HHWGTTAATCCCCBBH
--GGGGAACKCCC----

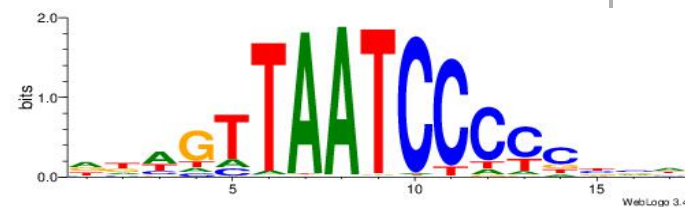
Original motif

Reverse complement motif

Consensus sequence: HBVGGGGGATTAACWHH



Consensus sequence: HHWGTTAATCCCCBBH



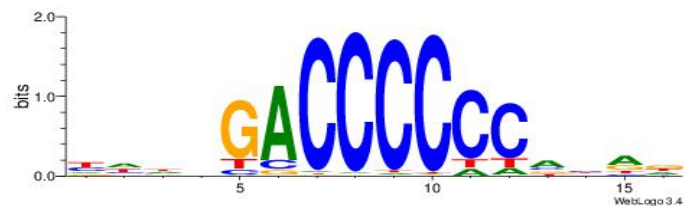
Motif ID: [UP00024](#)
Motif name: Glis2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.052761

Alignment:

```
HKBBGGGGGGGTCVHHH  
-----GGGRITCCCC
```

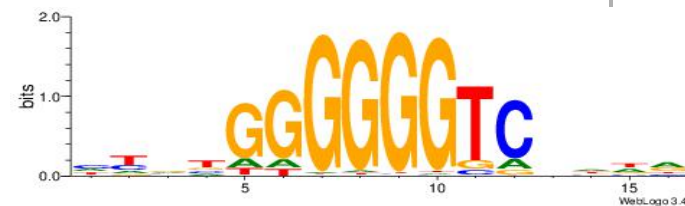
Original motif

Consensus sequence: HHHVGACCCCCCVBRD



Reverse complement motif

Consensus sequence: HKBBGGGGGGGTCVHHH



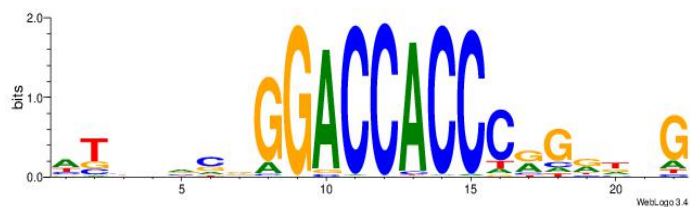
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0555704

Alignment:

CBDMCMGGGTGGTCCHVBVBAH
 -----GGGGAACKCCC-----

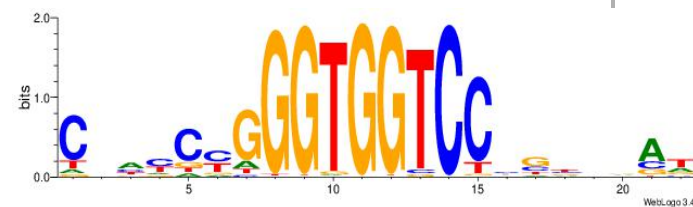
Original motif

Consensus sequence: HTBVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



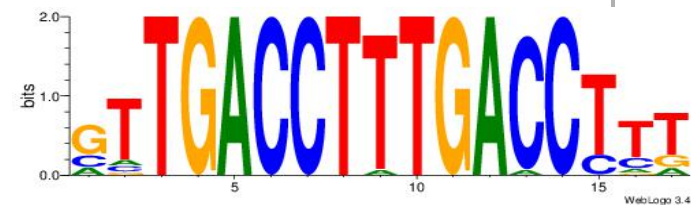
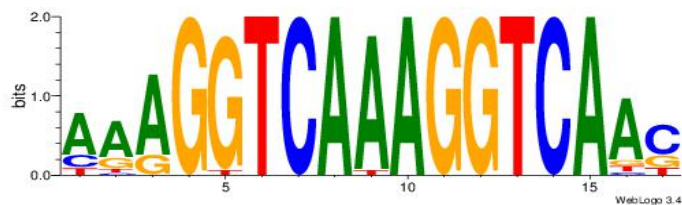
Dataset #: 3 Motif ID: 59 Motif name: NR1H2RXRA

Original motif

Consensus sequence: AAAGGTCAAAGGTCAAC

Reverse complement motif

Consensus sequence: GTTGACCTTTGACCTTT



Best Matches for Motif ID 59 (Highest to Lowest)

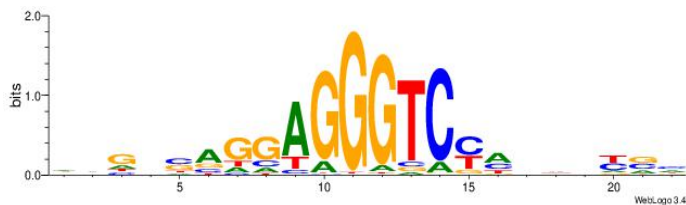
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0538452

Alignment:

DVMHHDHKGACCCTCCTSVCBH
 -----GTTGACCTTTGACCTTT

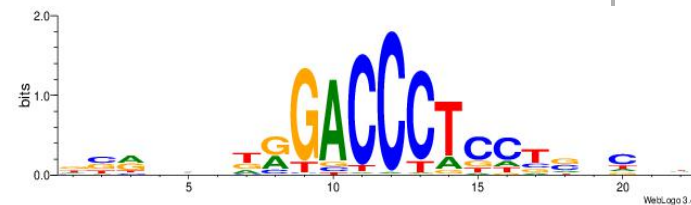
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



Motif ID: [UP00032](#)

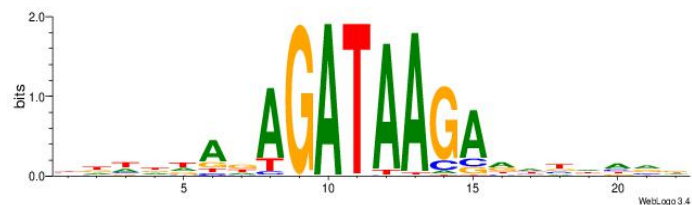
Motif name: Gata3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0545098

Alignment:

BDHDDADAGATAAGADHBDHVD
 -----AAAGGTCAAAGGTCAAC

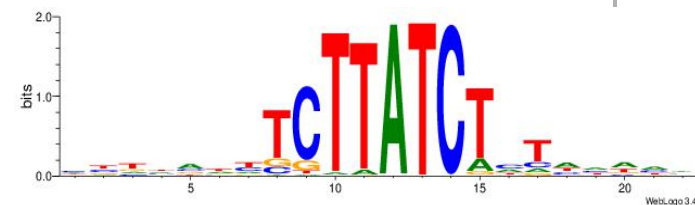
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHVD



Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 16

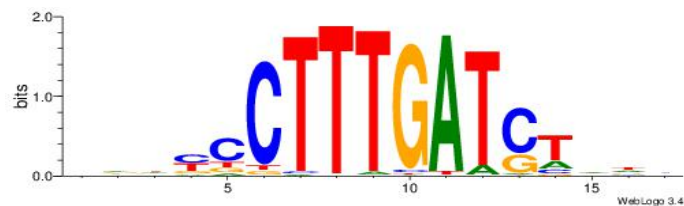
Similarity score: 0.521114

Alignment:

VDDAGATCAAAGGKDDD-
-AAAGGTCAAAGGTCAAC

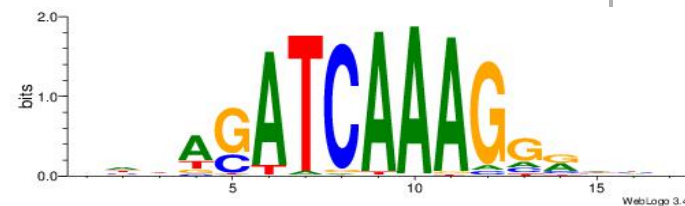
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD



Motif ID: [UP00083](#)
Motif name: Tcf7l2_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 16
Similarity score: 0.527825

Alignment:

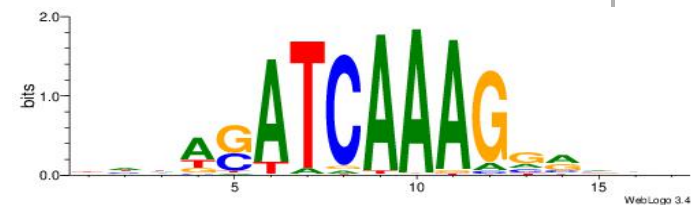
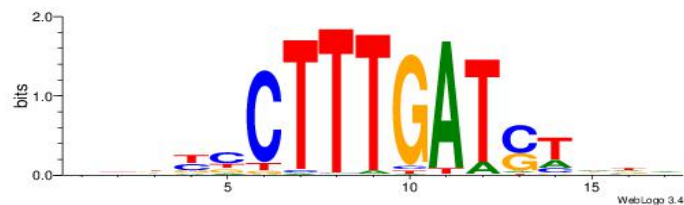
-DDDYCCTTTGATSTDDV
GTTGACCTTTGACCTTT-

Original motif

Consensus sequence: DDDYCCTTTGATSTDDV

Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDDD



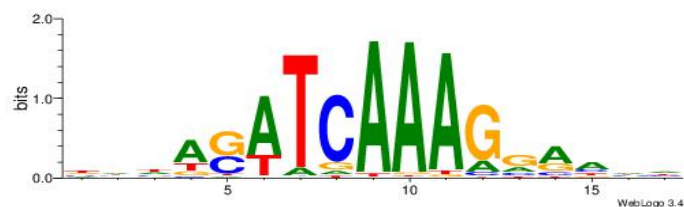
Motif ID: [UP00054](#)
 Motif name: Tcf7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.531154

Alignment:

BHHASATCAAAGGAHHH-
 -AAAGGTCAAAGGTCAAC

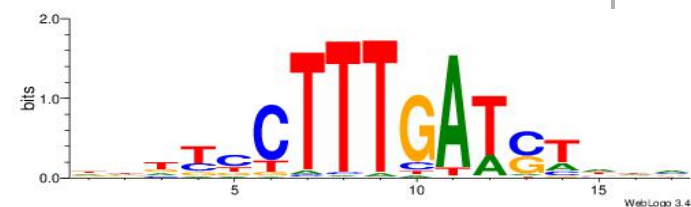
Original motif

Consensus sequence: BHHASATCAAAGGAHHH



Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV



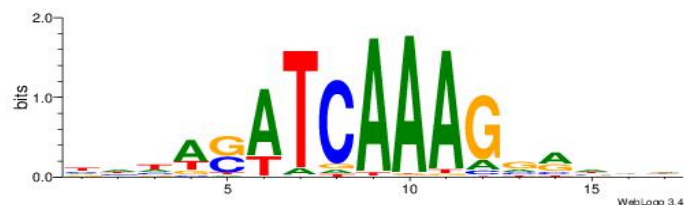
Motif ID: [UP00058](#)

Motif name: Tcf3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.531876

Alignment:
 -HHHASATCAAAGVRHHH
 AAAGGTCAAAGGTCAAC-

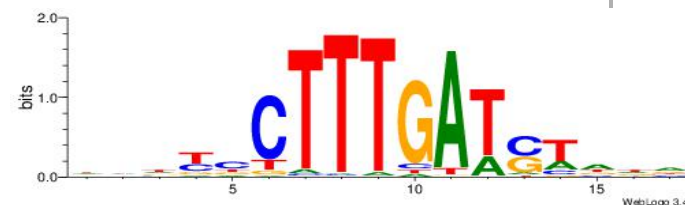
Original motif

Consensus sequence: HHHASATCAAAGVRHHH



Reverse complement motif

Consensus sequence: HHHKVCTTTGATSTHHH



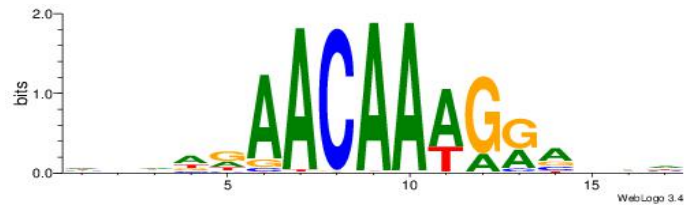
Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.544403

Alignment:

HBDDRAACAAAGRABHH-
-AAAGGTCAAAGGTCAAC

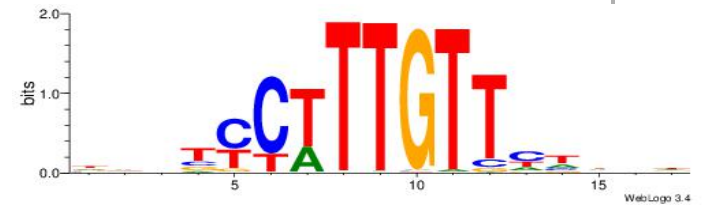
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHTMCTTTGTTMDDVH



Motif ID:	UP00062
Motif name:	Sox4_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	16
Similarity score:	0.544565

Alignment:

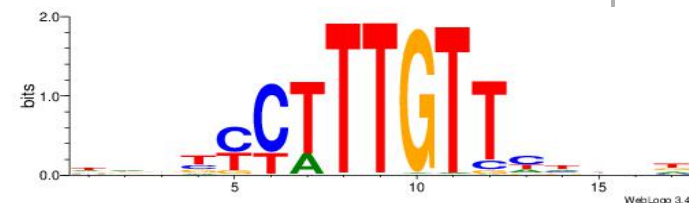
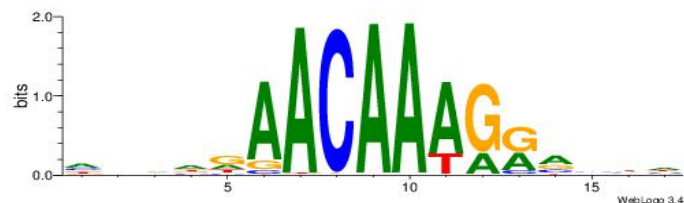
-HHBBMCTTTGTTTHDDBH
GTTGACCTTTGACCTTT-

Original motif

Consensus sequence: HBDDDAACAAAGRVBHH

Reverse complement motif

Consensus sequence: HHBBMCTTTGTTTHDDBH

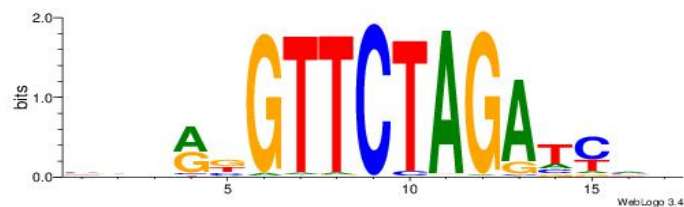


Motif ID: [UP00019](#)
 Motif name: Zbtb12_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.550511

Alignment:
 -BBGATCTAGAACBKHDB
 GTTGACCTTTGACCTTT-

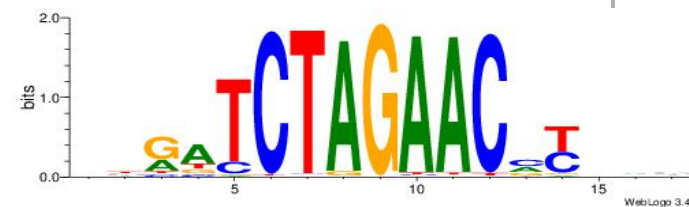
Original motif

Consensus sequence: BDHRBGTTCTAGATCVB



Reverse complement motif

Consensus sequence: BBGATCTAGAACBKHDB



Motif ID: [UP00046](#)

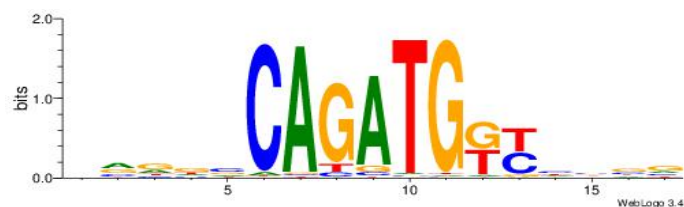
Motif name: Tcfe2a_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.552064

Alignment:

-HVDDVCAGATGKYHBBV
 AAAGGTCAAAGGTCAAC-

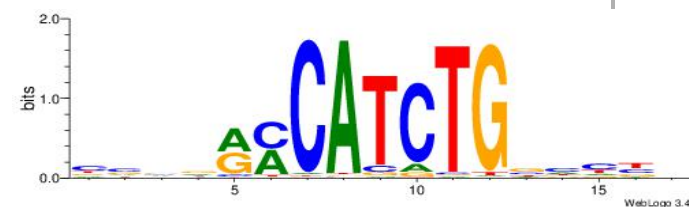
Original motif

Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif

Consensus sequence: VBBDMYCATCTGVHBBH



Dataset #: 3 Motif ID: 60 Motif name: NR4A2

Original motif

Consensus sequence: AAGGTCAC

Reverse complement motif

Consensus sequence: GTGACCTT



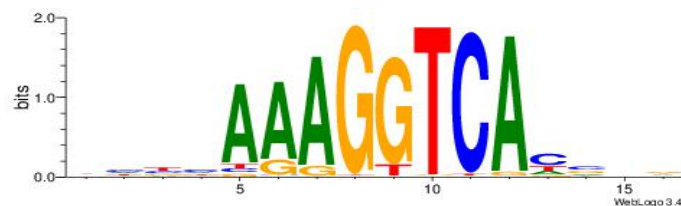
Best Matches for Motif ID 60 (Highest to Lowest)

Motif ID: [UP00048](#)
 Motif name: Rara
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0

Alignment:
 HHVGTGACCTTTDVDD
 ---GTGACCTT-----

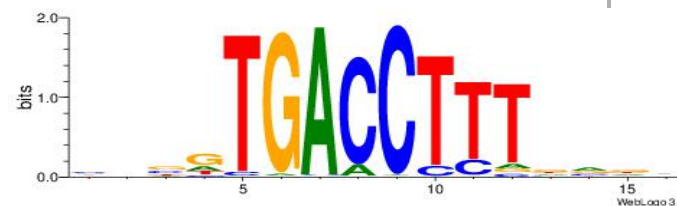
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD



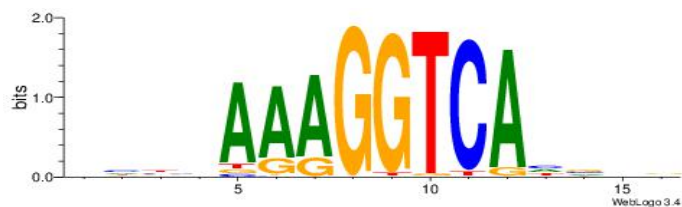
Motif ID: [UP00009](#)
 Motif name: Nr2f2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0074527

Alignment:

DHBHAAAGGTCAHVHB
 -----AAGGTCAC---

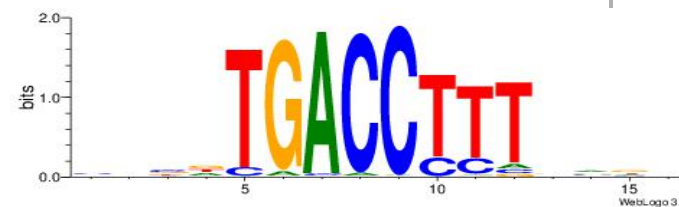
Original motif

Consensus sequence: DHBHAAAGGTCAHVHB



Reverse complement motif

Consensus sequence: BHVDTGACCTTTDVDD



Motif ID: [UP00079](#)
 Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6

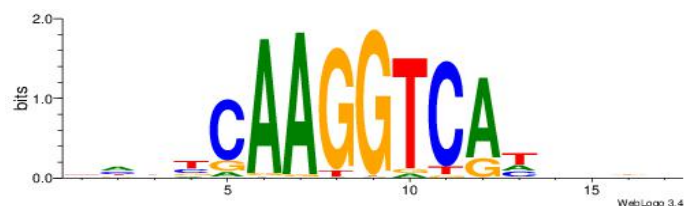
Number of overlap: 8
Similarity score: 0.01542

Alignment:

DHDBCAAGGTCAHVBDH
-----AAGGTCAC-----

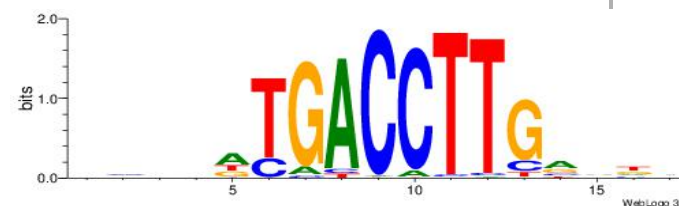
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



Motif ID: [UP00009](#)
Motif name: Nr2f2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 8
Similarity score: 0.0395644

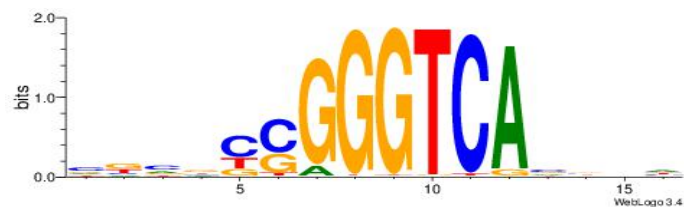
Alignment:

VBVBCSGGGTCAVBBH
-----AAGGTCAC---

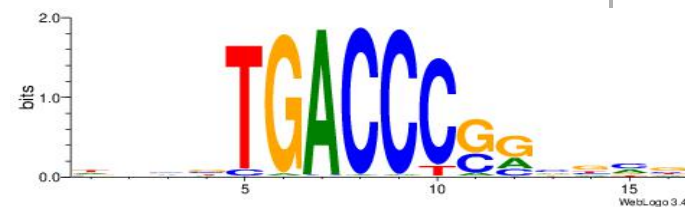
Original motif

Reverse complement motif

Consensus sequence: VBVBCTGGGTCAVBBH



Consensus sequence: HVBVTGACCCSGBVBV



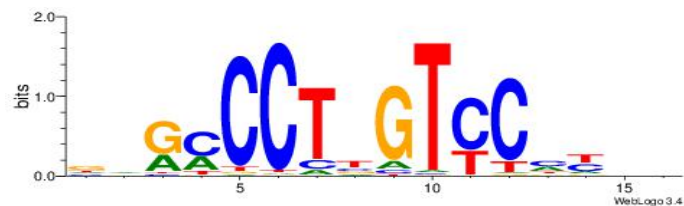
Motif ID: [UP00082](#)
Motif name: Zfp187_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 8
Similarity score: 0.0407874

Alignment:

DDGMCCTBGTCCHYHV
GTGACCTT-----

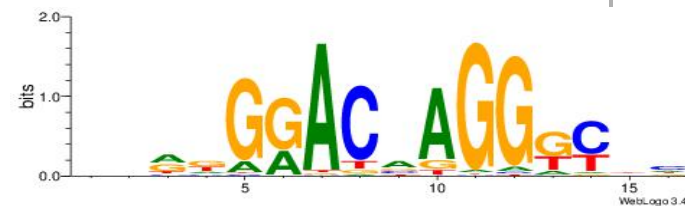
Original motif

Consensus sequence: DDGMCCTBGTCCHYHV



Reverse complement motif

Consensus sequence: VHMDGGACVAGGRCDH



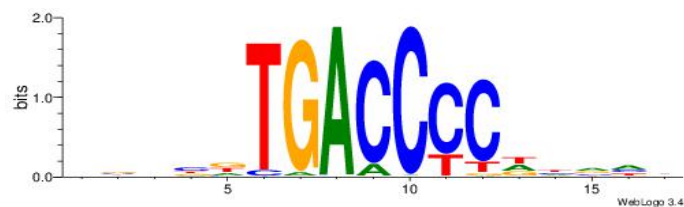
Motif ID: [UP00053](#)
 Motif name: Rxra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0422933

Alignment:

DBHBDTGACCCCDHVHB
 ----GTGACCTT-----

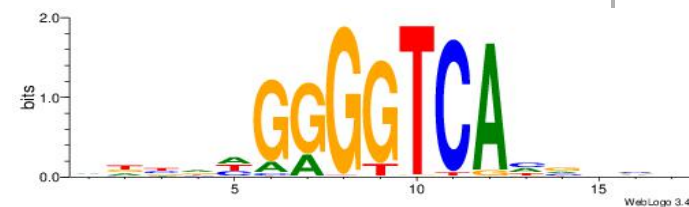
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHD

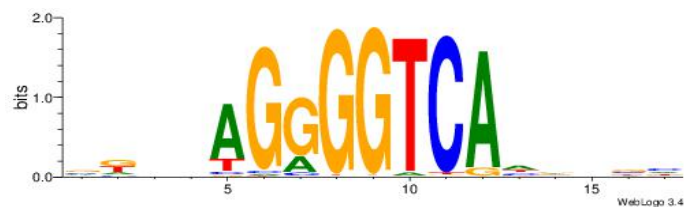


Motif ID: [UP00079](#)
 Motif name: Esrra_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5

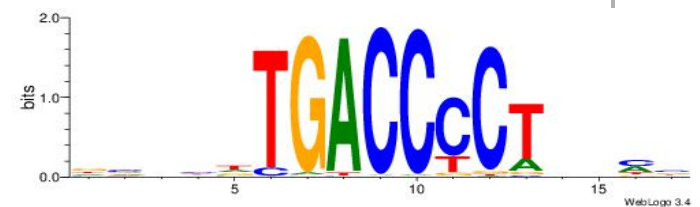
Number of overlap: 8
Similarity score: 0.0447444

Alignment:
VKBBAGGGGTCAHDBBH
-----AAGGTCAC-----

Original motif
Consensus sequence: VKBBAGGGGTCAHDBBH



Reverse complement motif
Consensus sequence: DBBHHTGACCCCTBBYV



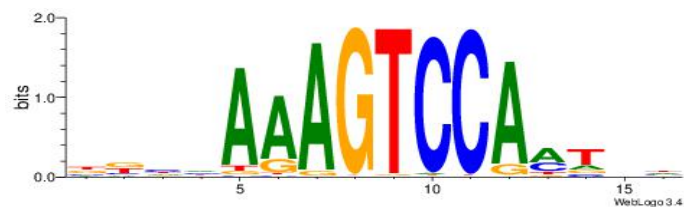
Motif ID: [UP00066](#)
Motif name: Hnf4a_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 8
Similarity score: 0.0481418

Alignment:
BBHHAAAGTCCAMTHH
-----AAGGTCAC---

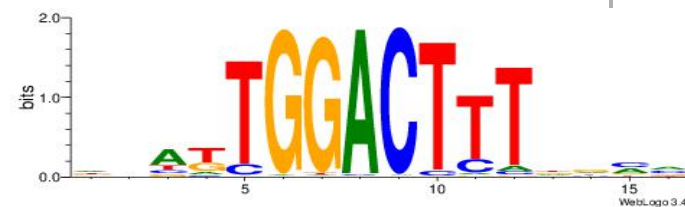
Original motif

Reverse complement motif

Consensus sequence: BBHHAAAGTCCAMTHH



Consensus sequence: HHAYTGGACTTTTHDBV



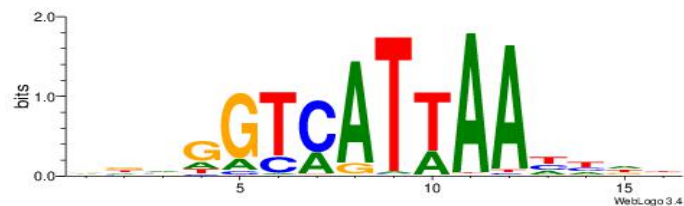
Motif ID: [UP00197](#)
Motif name: Hoxc9
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 8
Number of overlap: 8
Similarity score: 0.0497679

Alignment:

```
VDHHTTAATGACCBHV  
-----GTGACCTT--
```

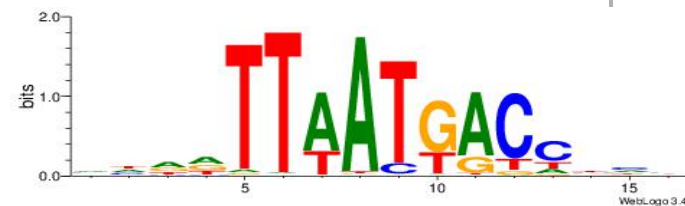
Original motif

Consensus sequence: VDVGGTCATTAAHHDB



Reverse complement motif

Consensus sequence: VDHHTTAATGACCBHV



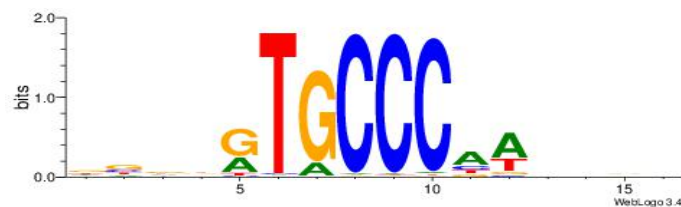
Motif ID: [UP00035](#)
 Motif name: Hic1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0500062

Alignment:

DBDDRTGCCCCAWDHDV
 ----GTGACCTT----

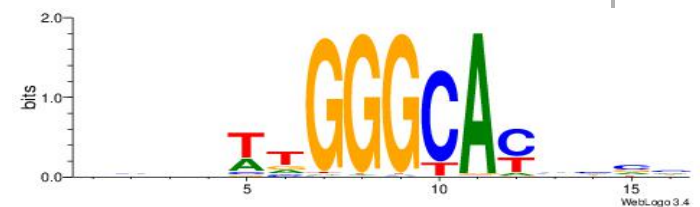
Original motif

Consensus sequence: DBDDRTGCCCCAWDHDV



Reverse complement motif

Consensus sequence: VHHDWTGGGCAMDHBH



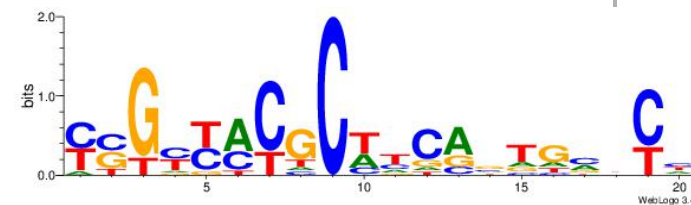
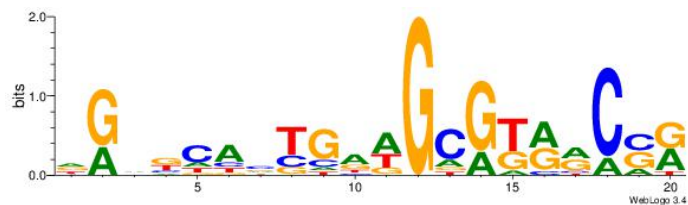
Dataset #: 3 Motif ID: 61 Motif name: Pax5

Original motif

Consensus sequence: DGVBCABTGDWGCGRRCR

Reverse complement motif

Consensus sequence: MSGKKRCGCWDCABTGBCD



Best Matches for Motif ID 61 (Highest to Lowest)

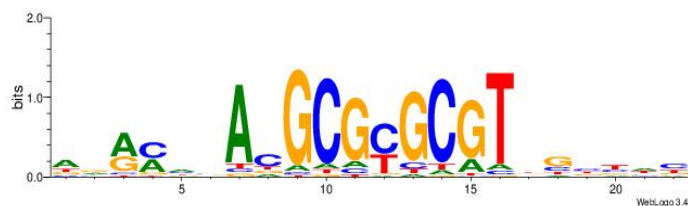
Motif ID: [UP00526](#)
 Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0499537

Alignment:

DDRMHBACGCGYGCGTDGBBDB
 -DGVBCABTGDWGCGRRCR-

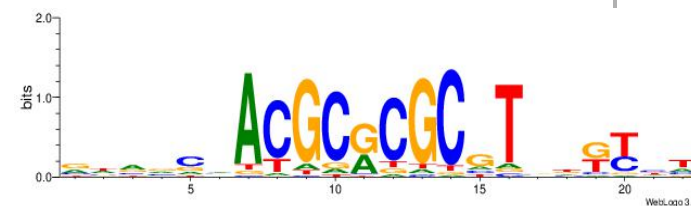
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCTBHRKHD



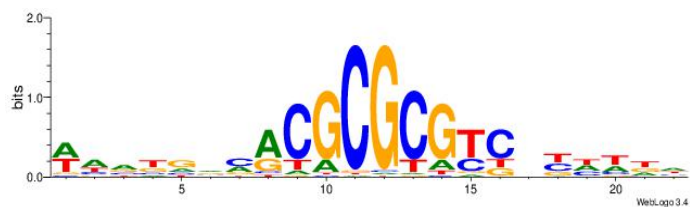
Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.0520196

Alignment:

HDWHMHGACGCGCGTRBVVBHW
 DGVBCABTGDWGCGRRCRCSR--

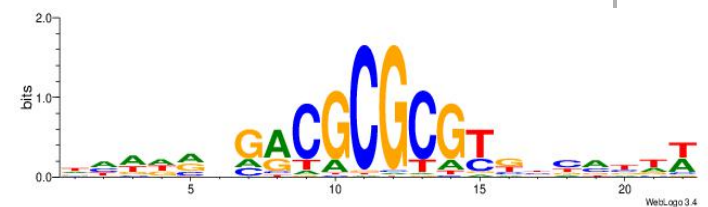
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW

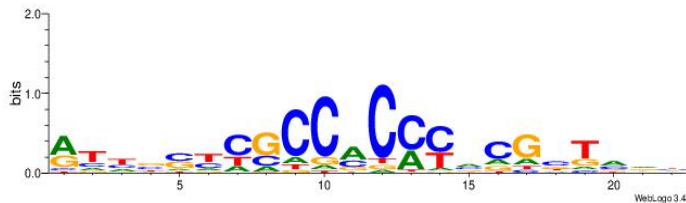


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2

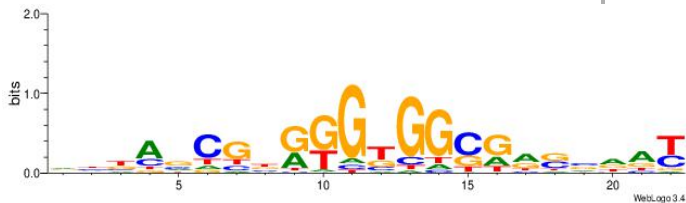
Number of overlap: 20
Similarity score: 0.0542764

Alignment:
HDBABCGBKRGYGGCGMSBHAK
-DGVBCABTGDWGCGRRCR-

Original motif
Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif
Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



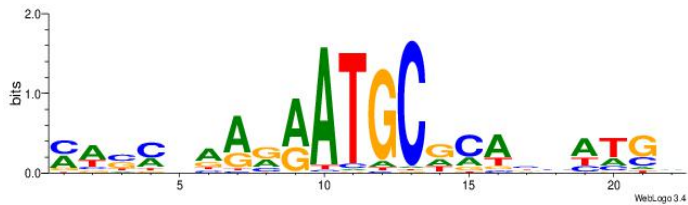
Motif ID: [UP00528](#)
Motif name: Foxm1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 20
Similarity score: 0.0560636

Alignment:
DCATDBTGHGCATKMTTBRSWR
--MSGKKRCGCWDCABTGBCD

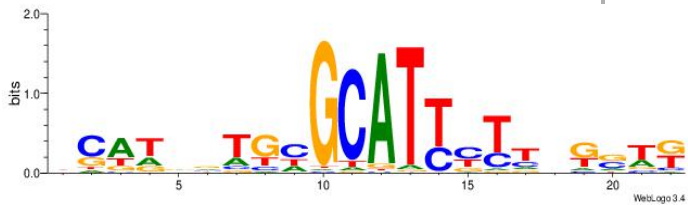
Original motif

Reverse complement motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



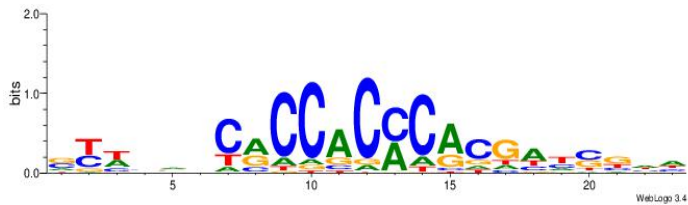
Consensus sequence: DCATDBTGHGCATKMTTBRSWR



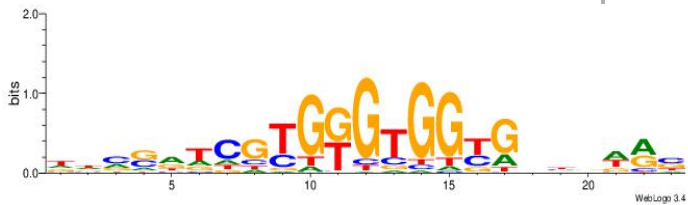
Motif ID: [UP00540](#)
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 20
Similarity score: 0.0595671

Alignment:
HHBSHTCGTGRGTGGKGDBVWMV
DGVBCABTGDWCGKRRCR---

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



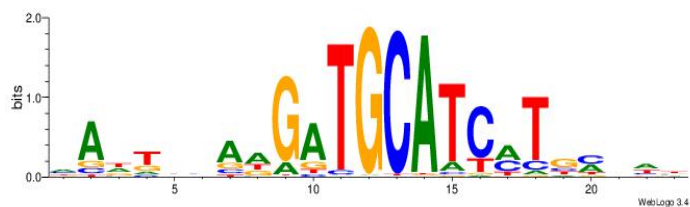
Motif ID: [UP00528](#)
 Motif name: Foxm1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 20
 Similarity score: 0.0602559

Alignment:

HADTBVADGATGCATCMTGMVHB
 DGVBCABTGDWGCGRRCRCSR---

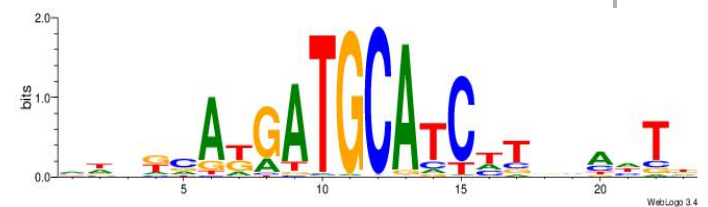
Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB



Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH

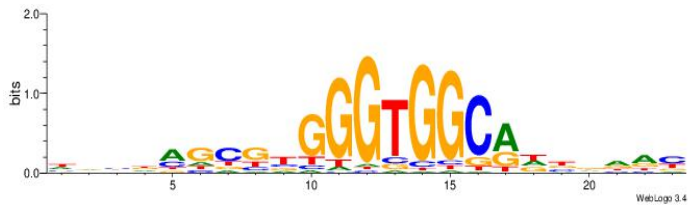


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

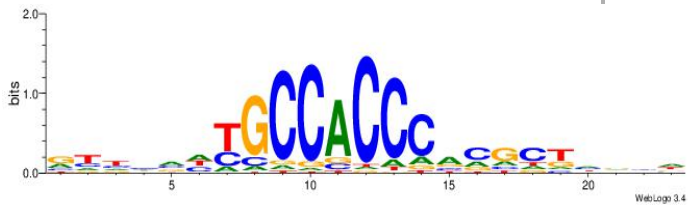
Number of overlap: 20
Similarity score: 0.0607506

Alignment:
HVBDAGCGBGGGTGGCRDBDDDB
DGVBCABTGDWGCGRRCR---

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



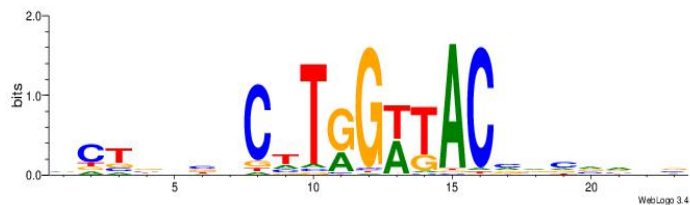
Motif ID: [UP00098](#)
Motif name: Rfx3_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 20
Similarity score: 0.0611227

Alignment:
BDBBVVGTAWCCAAGVBHBAGB
MSGKKRCGCWDCABTGBCD---

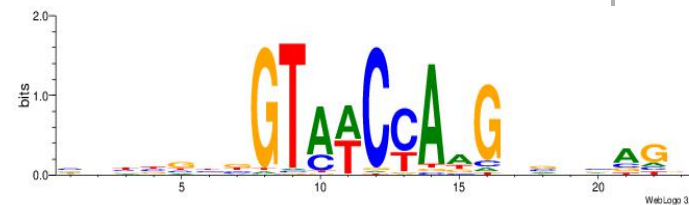
Original motif

Reverse complement motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



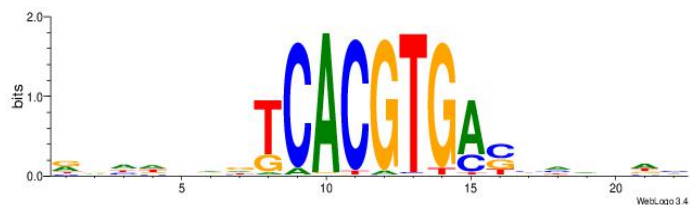
Motif ID: [UP00050](#)
Motif name: Bhlhb2_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 20
Similarity score: 0.0611361

Alignment:

RDHDBVDTACGTGASBHVHDH
--MSGKKRCGCWDCABTGBBCD

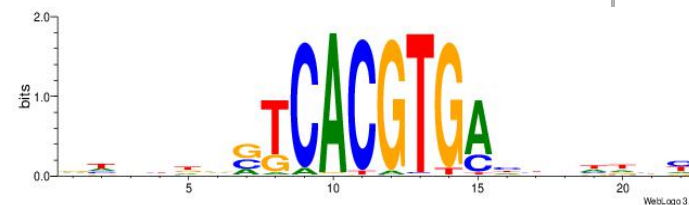
Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHHM



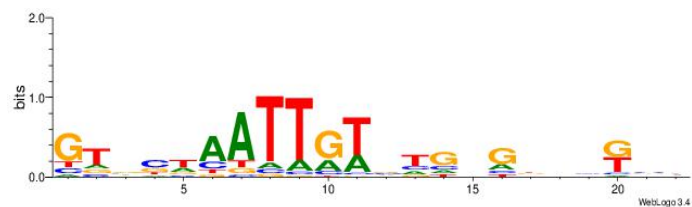
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.061403

Alignment:

GTVBDAATTGTVTGHGDDHKVB
 DGVBCABTGDWGCGRRCR--

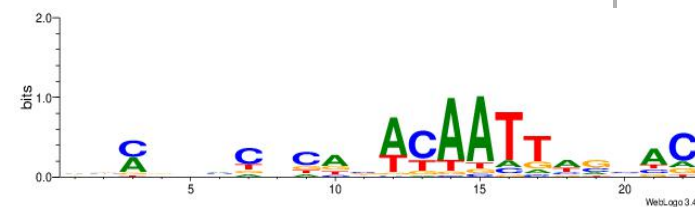
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



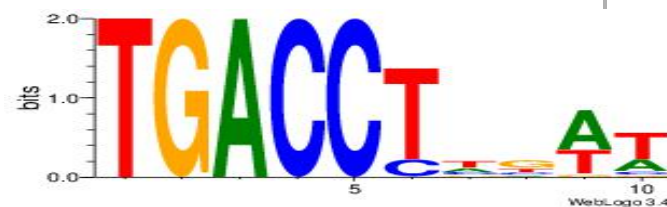
Dataset #: 3 Motif ID: 62 Motif name: RORA_1

Original motif

Consensus sequence: AWVDAGGTCA

Reverse complement motif

Consensus sequence: TGACCTDVWT



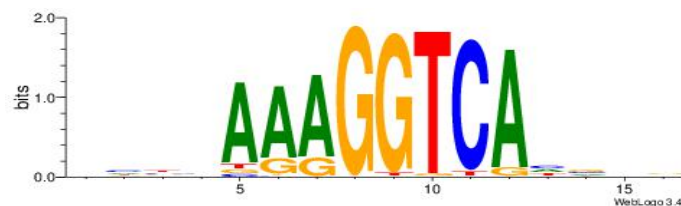
Best Matches for Motif ID 62 (Highest to Lowest)

Motif ID: [UP00009](#)
 Motif name: Nr2f2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0154749

Alignment:
 DHBHAAAGGTCAHVHB
 --AWVDAGGTCA----

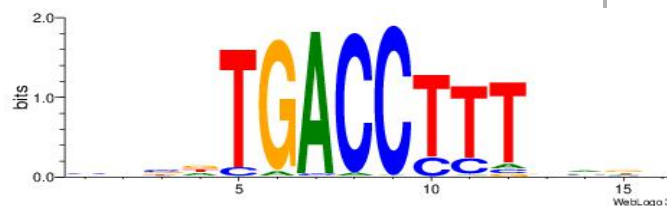
Original motif

Consensus sequence: DHBHAAAGGTCAHVHB



Reverse complement motif

Consensus sequence: BHVDTGACCTTTDVDD



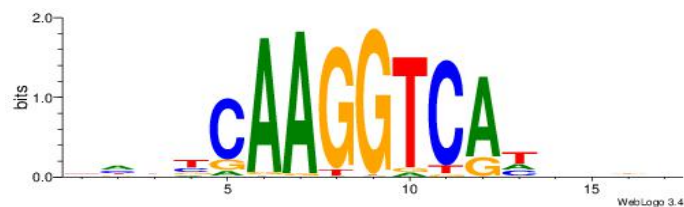
Motif ID: [UP00079](#)
 Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0176661

Alignment:

HHBVHTGACCTTGVDHD
 -----TGACCTDVWT--

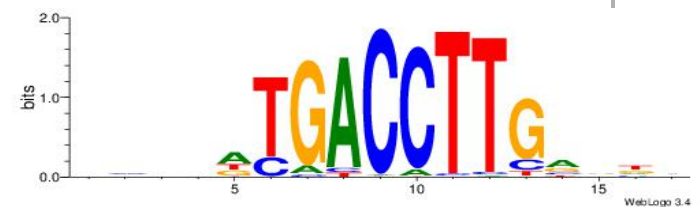
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



Motif ID: [UP00048](#)
 Motif name: Rara
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3

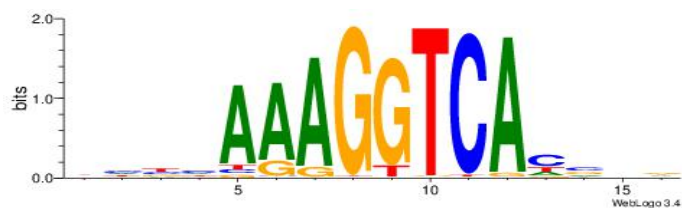
Number of overlap: 10
Similarity score: 0.0189599

Alignment:

DHBHAAAGGTCACVHD
--AWVDAGGTCA----

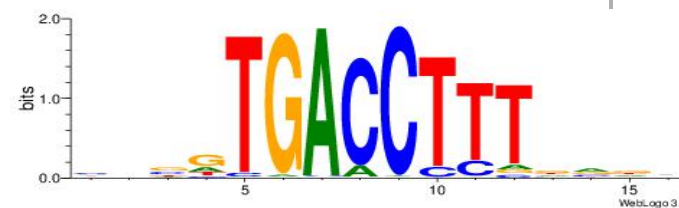
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD



Motif ID: [UP00009](#)
Motif name: Nr2f2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 10
Similarity score: 0.0331999

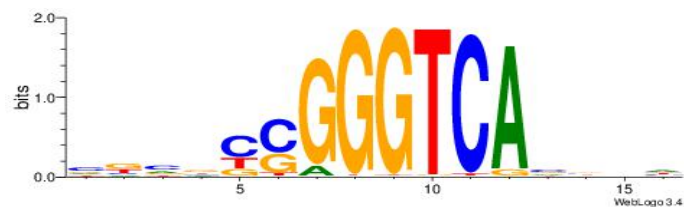
Alignment:

VBVBCSGGGTCAVBBH
--AWVDAGGTCA----

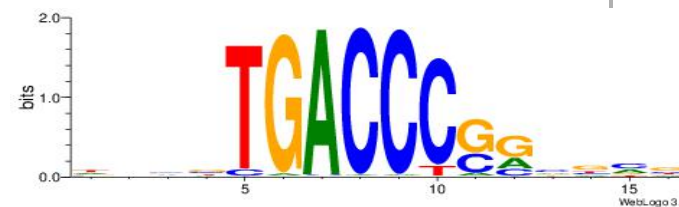
Original motif

Reverse complement motif

Consensus sequence: VBVB⁺CSGGGTCAVBBH



Consensus sequence: HVBVTGACCCSGBVBV



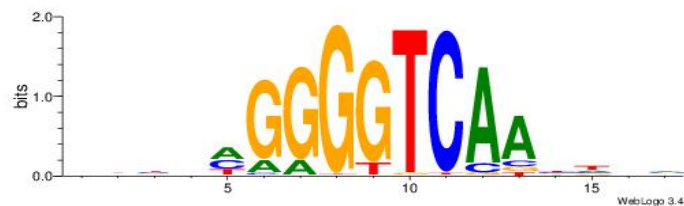
Motif ID: [UP00066](#)
Motif name: Hnf4a_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 10
Similarity score: 0.0341771

Alignment:

BDBVMGGGGTCAABHDV
--AWVDAGGTCA-----

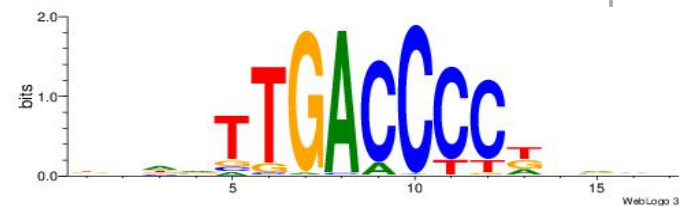
Original motif

Consensus sequence: BDBVMGGGGTCAABHDV



Reverse complement motif

Consensus sequence: BHHVTTGACCCCYVVDB



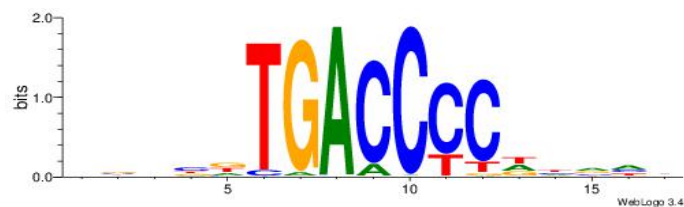
Motif ID: [UP00053](#)
 Motif name: Rxra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0363566

Alignment:

DBHBDTGACCCCDHVHB
 -----TGACCTDVWT--

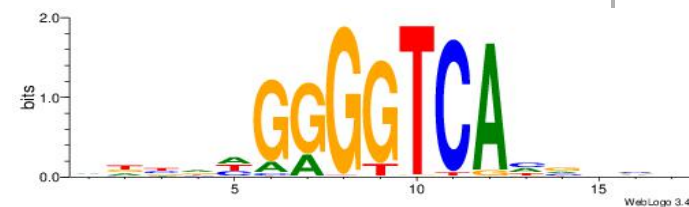
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHD



Motif ID: [UP00079](#)
 Motif name: Esrra_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3

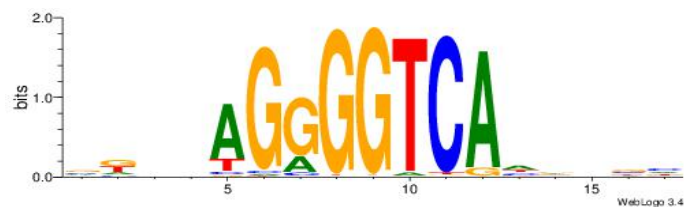
Number of overlap: 10
Similarity score: 0.0391284

Alignment:

VKBBAGGGGTCAHDBBH
--AWVDAGGTCA-----

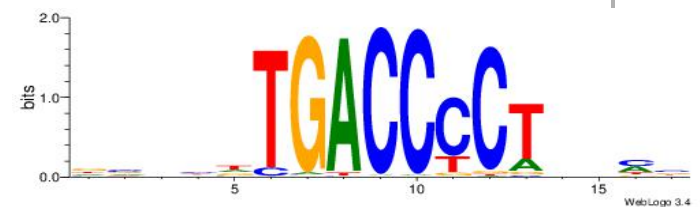
Original motif

Consensus sequence: VKBBAGGGGTCAHDBBH



Reverse complement motif

Consensus sequence: DBBHHTGACCCCTBBYV



Motif ID: [UP00035](#)
Motif name: Hic1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 10
Similarity score: 0.0444205

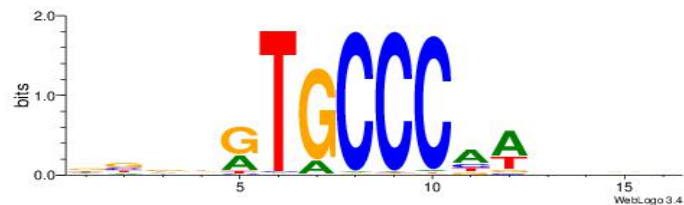
Alignment:

DBDDRTGCCCAGDHDV
-----TGACCTDVWT-

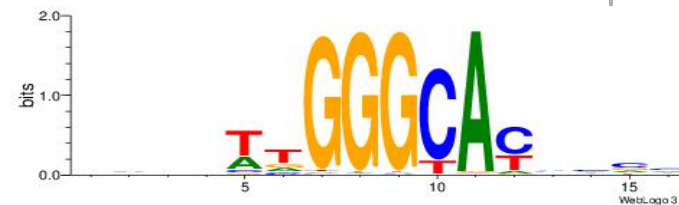
Original motif

Reverse complement motif

Consensus sequence: DBDDRTGCCCAWDHDV



Consensus sequence: VHHDWTGGGCAMDHBH

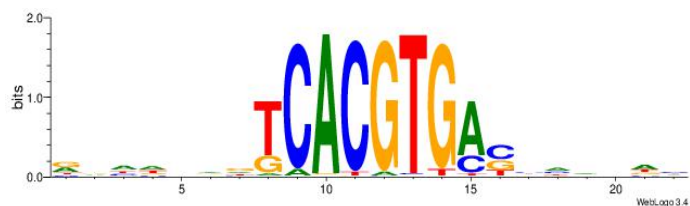


Motif ID: [UP00050](#)
Motif name: Bhlhb2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 10
Similarity score: 0.0461434

Alignment:
RDHDBVDTACGTGASBHVHDH
AWVDAGGTCA-----

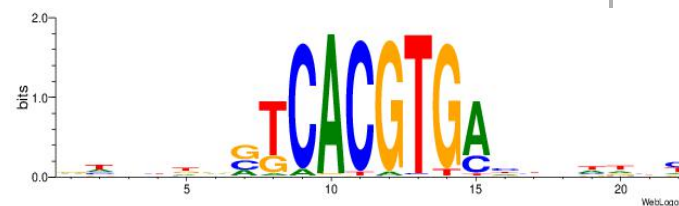
Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHMH



Motif ID: [UP00538](#)

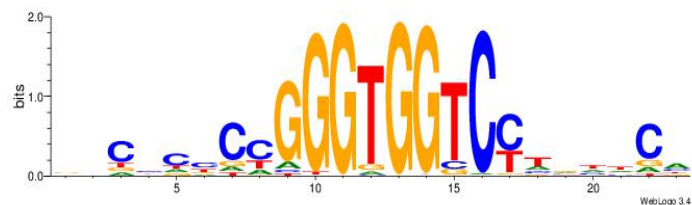
Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0489571

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
 -----TGACCTDVWT--

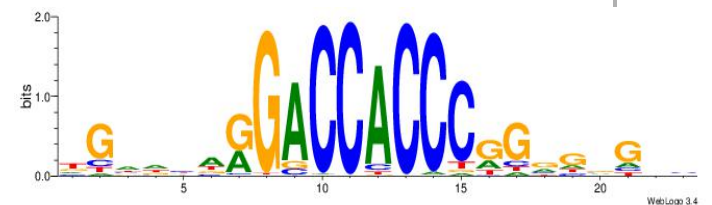
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVVHKGACCACCCGGBGBGDB



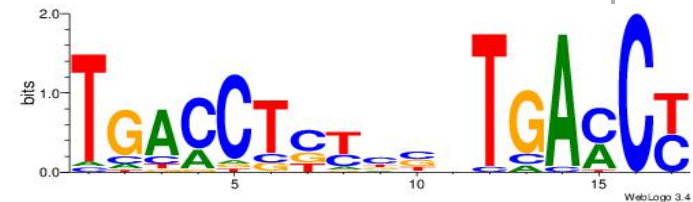
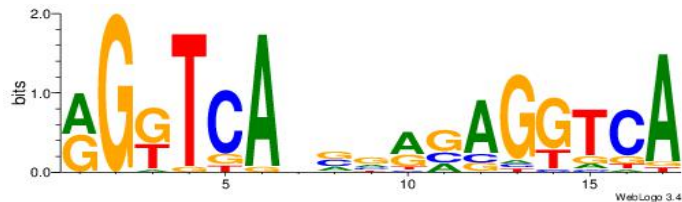
Dataset #: 3 Motif ID: 63 Motif name: RXRRAR_DR5

Original motif

Consensus sequence: RGKTCABVVRGAGGTCA

Reverse complement motif

Consensus sequence: TGACCTCKVVBGTGAYCK



Best Matches for Motif ID 63 (Highest to Lowest)

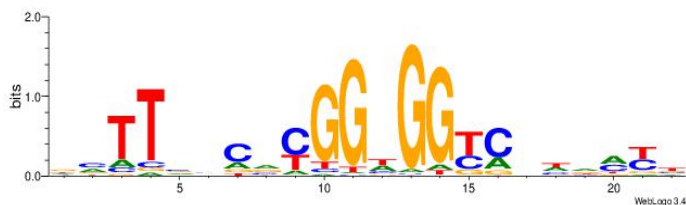
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0585087

Alignment:

DTTTVVCVYGGHGGYCHHDMYB
 RGKTCABVVRGAGGTCA-----

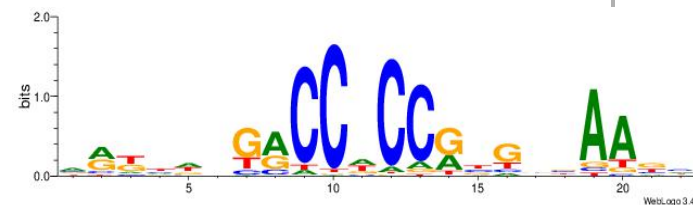
Original motif

Consensus sequence: DTTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKKBGVVAHVH



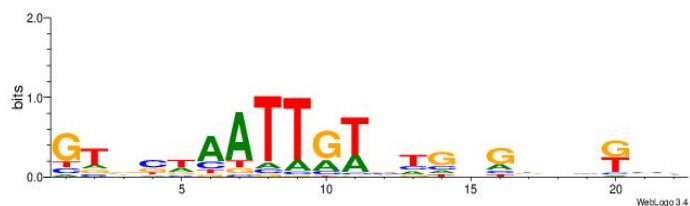
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0709955

Alignment:

GTVBDAATTGTVTGHGDDHKVB
 -----RGKTCABVVRGAGGTCA

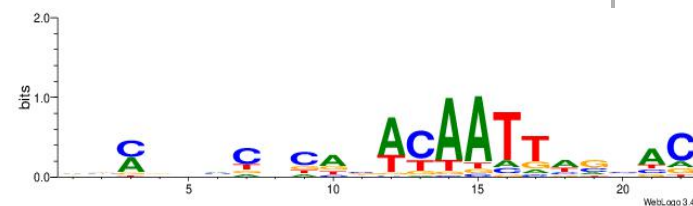
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC

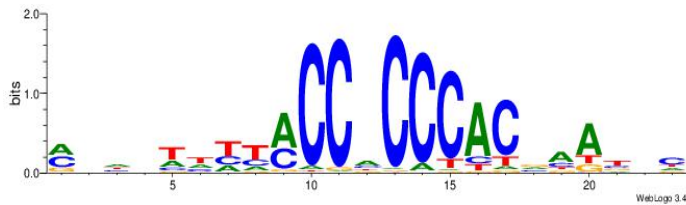


Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 17

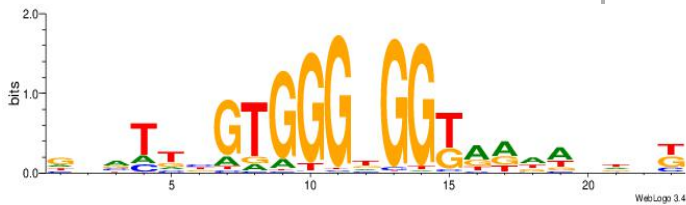
Similarity score: 0.075055

Alignment:
DVVTTVGTGGGHGGYAMHWHHHY
RGKTCABVVRGAGGTCA-----

Original motif
Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif
Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY

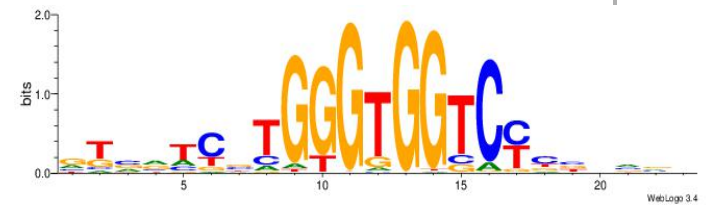
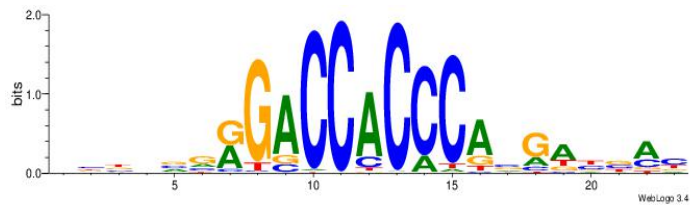


Motif ID: [UP00538](#)
Motif name: Gli1_v015681_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 7
Number of overlap: 17
Similarity score: 0.0758824

Alignment:
BBBDVVRGACCACCCAVGABBAB
-----RGKTCABVVRGAGGTCA

Original motif
Consensus sequence: BBBDVVRGACCACCCAVGABBAB

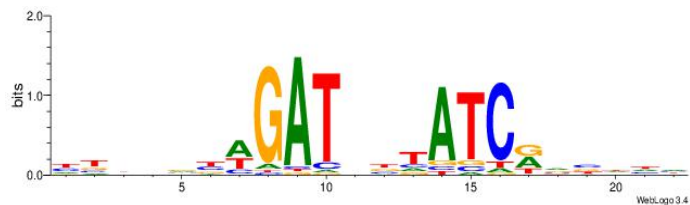
Reverse complement motif
Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



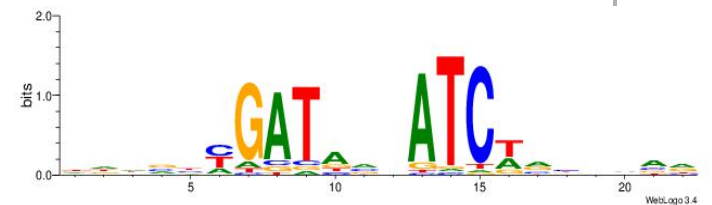
Motif ID: [UP00032](#)
 Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 17
 Similarity score: 0.0759953

Alignment:
 HBHDVBWGATHBTATCRVBHHH
 TGACCTCKVVB TGAYCK-----

Original motif
 Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif
 Consensus sequence: HHHBBMGATAVHATCWVVDHVH



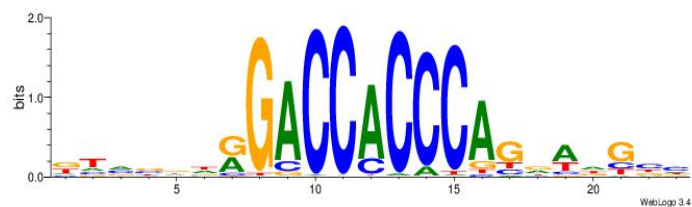
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0760211

Alignment:

DTVBDDRGACCACCCAGDWDGBH
 -----RGKTCABVVRGAGGTCA

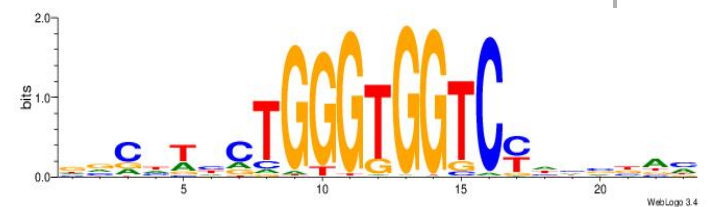
Original motif

Consensus sequence: DTVBDDRGACCACCCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7

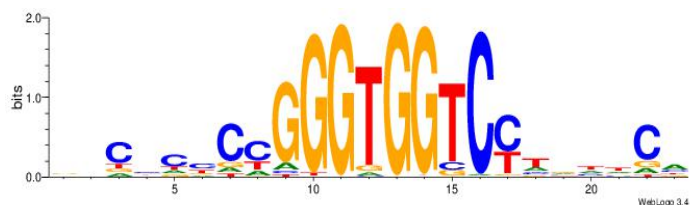
Number of overlap: 17
Similarity score: 0.0763398

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
TGACCTCKVVBGTGAYCK-----

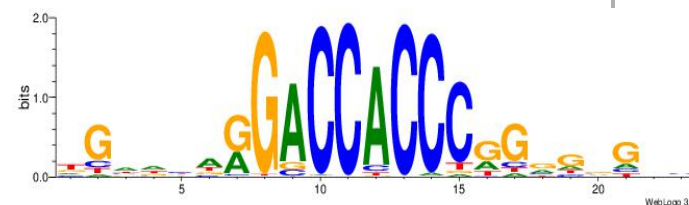
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 17
Similarity score: 0.0768658

Alignment:

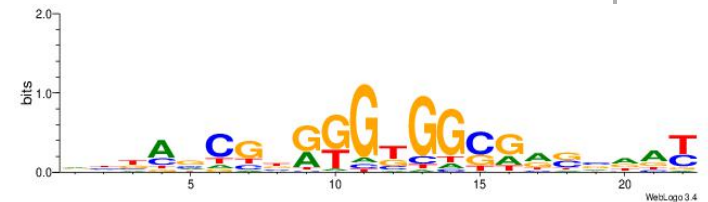
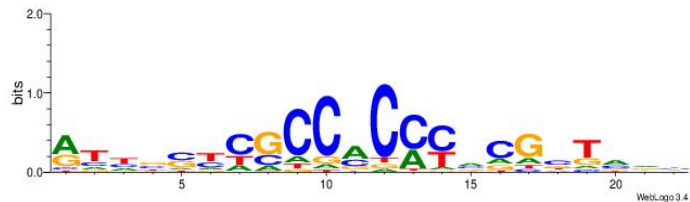
RTHBSYCGCCMCMYVCGBTVDH
RGKTCABVVRGAGGTCA-----

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

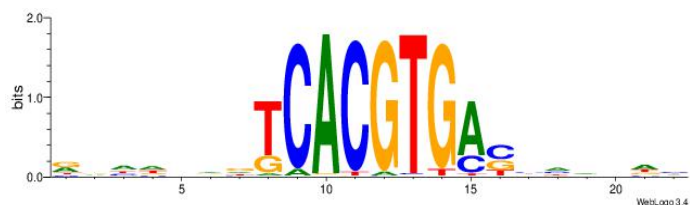


Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 17
 Similarity score: 0.0784072

Alignment:
 DDHBHBSTCACGTGAHBBDHHM
 ----RGKTCABVVRGAGGTCA-

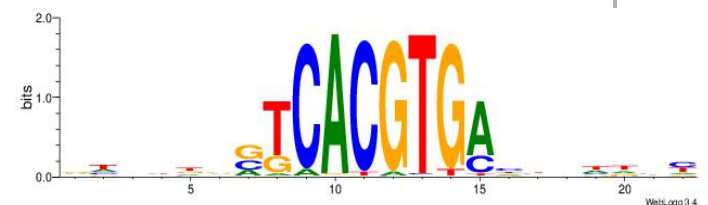
Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHHM



Motif ID: [UP00538](#)

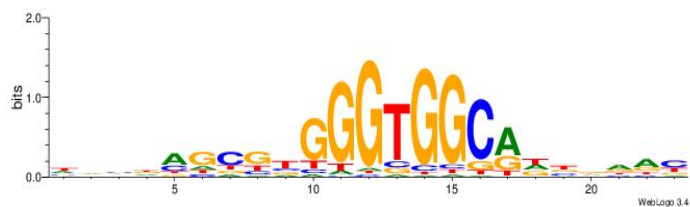
Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0794665

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
 RGKTCABVVRGAGGTCA-----

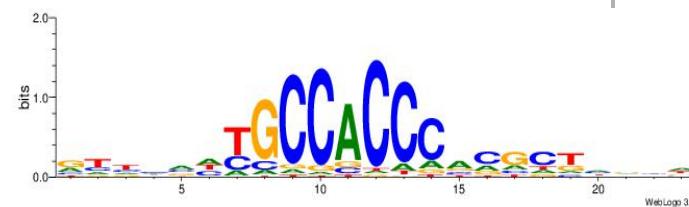
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

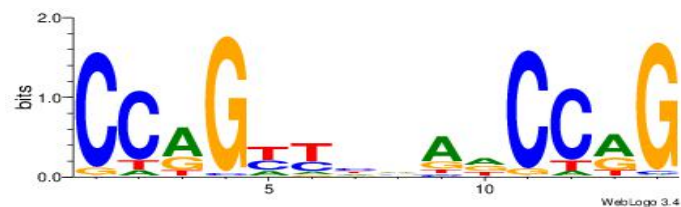
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Dataset #: 3 Motif ID: 64 Motif name: Tcfcp2l1

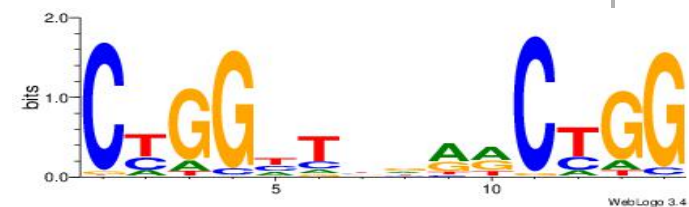
Original motif

Consensus sequence: CCAGYYHVADCCRG



Reverse complement motif

Consensus sequence: CKGGDTBDMMCTGG



Best Matches for Motif ID 64 (Highest to Lowest)

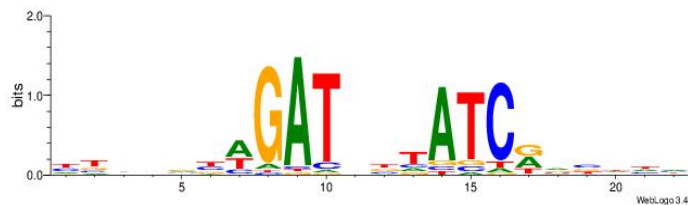
Motif ID: [UP00032](#)
Motif name: Gata3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 14
Similarity score: 0.0527249

Alignment:

HBHDVBWGATHBTATCRVBHHH
----CCAGYYHVADCCRG----

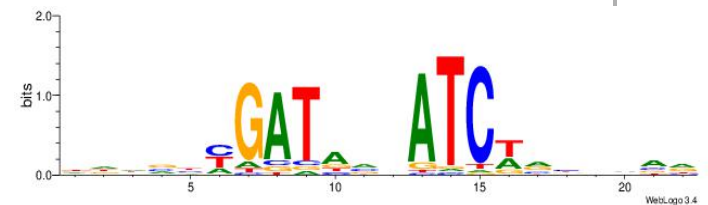
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVH



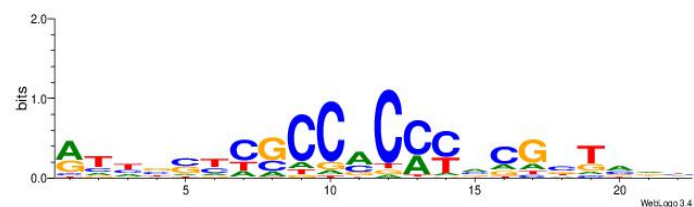
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif

Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0551691

Alignment:
RTHBSYCGCCMCMYVCGBTVDH
-----CCAGYYHVADCCRG

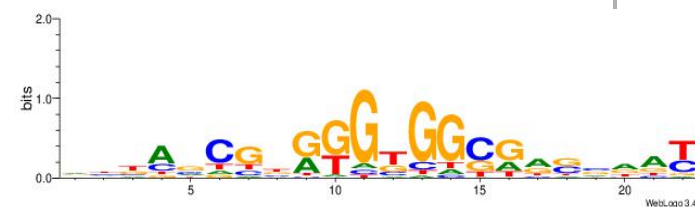
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

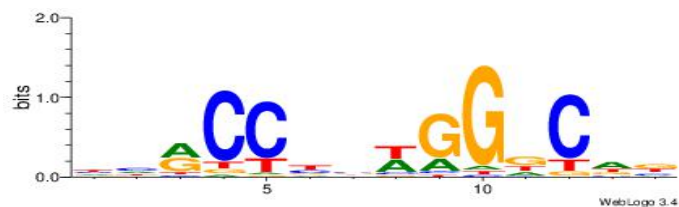


Motif ID: [UP00005](#)
Motif name: Tcfap2a_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0560983

Alignment:
HHRCCBBWGGDCDB
CCAGYYHVADCCRG

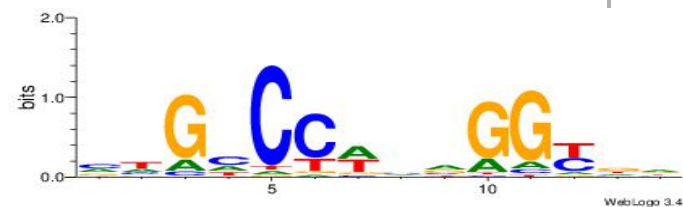
Original motif

Consensus sequence: HHRCCBBWGGDCDB



Reverse complement motif

Consensus sequence: BDGHCCWBVGGKDH



Motif ID: [UP00013](#)
Motif name: Gabpa_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 14
Similarity score: 0.0566467

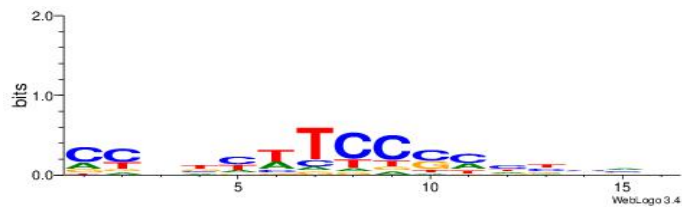
Alignment:

CYDBYWTCCSMHBVVH

CCAGYYHVADCCRG--

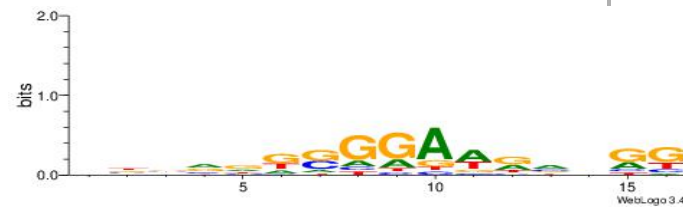
Original motif

Consensus sequence: CYDBYWTCCSMHBVVH



Reverse complement motif

Consensus sequence: DBVDRSGGAWKVHKG



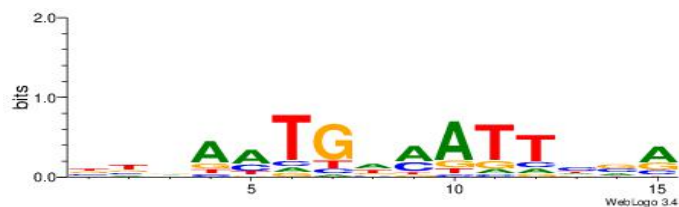
Motif ID: [UP00075](#)
Motif name: Sox15_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0577636

Alignment:

BBVAATGDMATTHVA
-CCAGYYHVADCCRG

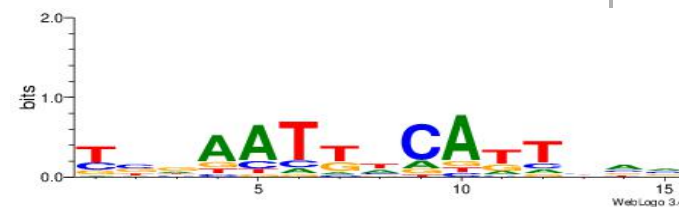
Original motif

Consensus sequence: BBVAATGDMATTHVA



Reverse complement motif

Consensus sequence: TVDAATYDCATTVVV



Motif ID: [UP00096](#)
Motif name: Sox13_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4

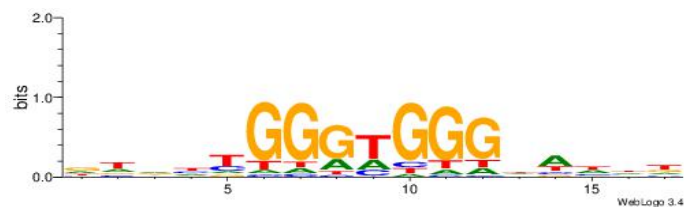
Number of overlap: 14
Similarity score: 0.0587893

Alignment:

DDDHTGGGTGGGHAHHD
---CKGGDTBDMMCTGG

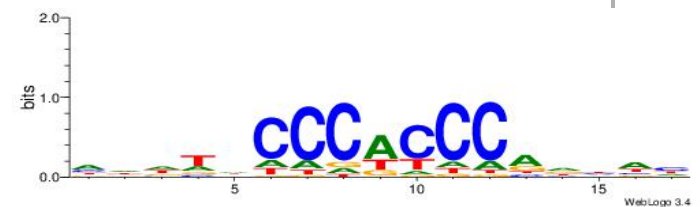
Original motif

Consensus sequence: DDDHTGGGTGGGHAHHD



Reverse complement motif

Consensus sequence: DHHTHCCCACCCAHHDDH



Motif ID: [UP00034](#)
Motif name: Sox7_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 14
Similarity score: 0.0590238

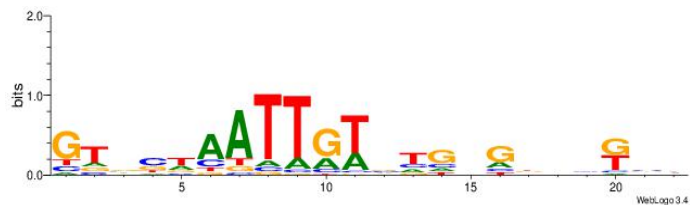
Alignment:

VVYDDDCHCAVACAATTDBVAC
--CCAGYYHVADCCRG-----

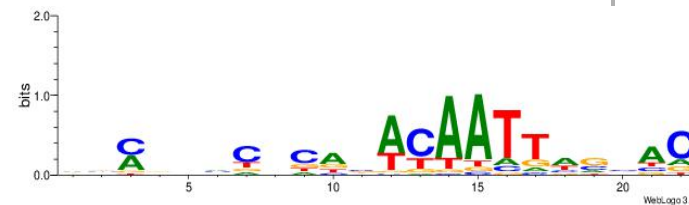
Original motif

Reverse complement motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Consensus sequence: VVYDDDCHCAVACAATTDBVAC



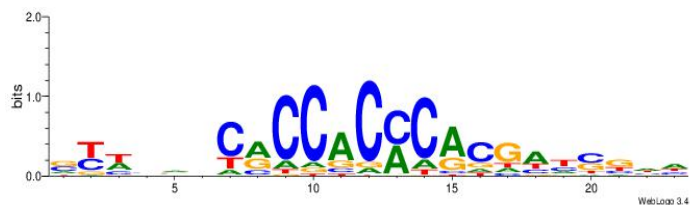
Motif ID: [UP00540](#)
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 9
Number of overlap: 14
Similarity score: 0.0596904

Alignment:

VYWVVHCRCCACMCACGAHSBHH
-----CCAGYYHVADCCRG--

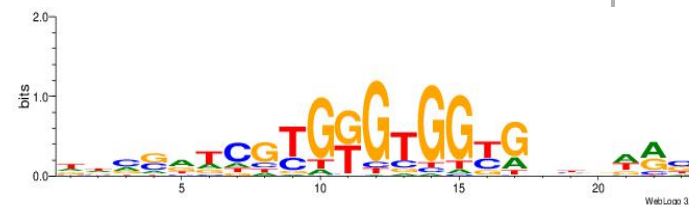
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



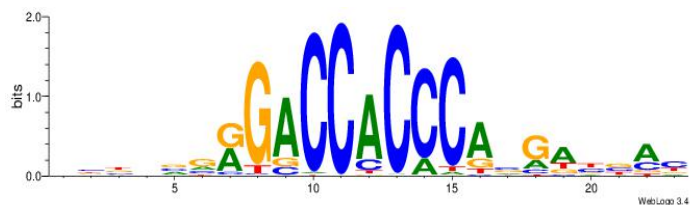
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0597695

Alignment:

BBBDVVRGACCACCCAVGABBAB
 -----CCAGYYHVADCCRG

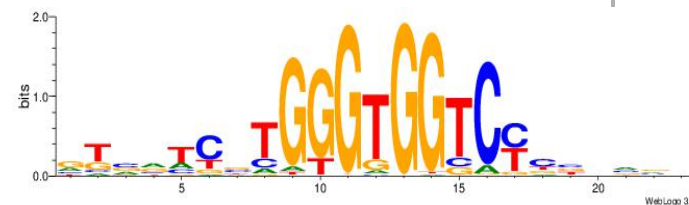
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14

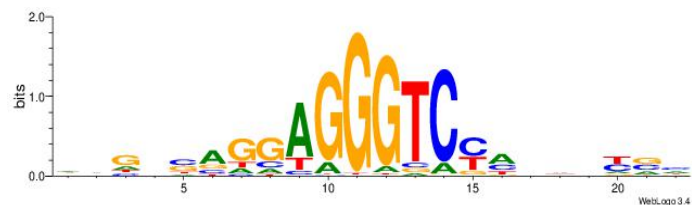
Similarity score: 0.0598357

Alignment:

HVGVSAGGAGGGTCYHHHHYVH
-----CKGGDTBDMMCTGG--

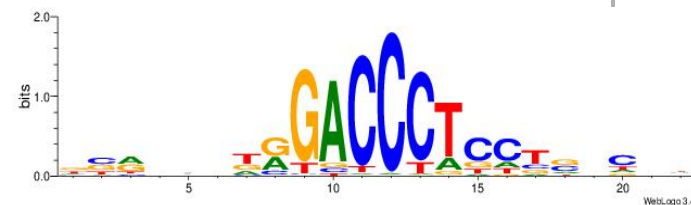
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



Dataset #: 4 **Motif ID: 65** **Motif name: ssCGrGCGss**

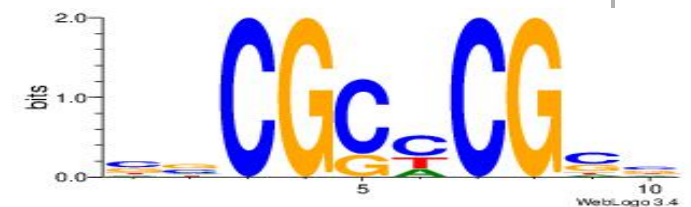
Original motif

Consensus sequence: VSCGRGCGBV



Reverse complement motif

Consensus sequence: VBCGCMCGSV



Best Matches for Motif ID 65 (Highest to Lowest)

Motif ID: [UP00065](#)
Motif name: Zfp161_primary
Species: Mus musculus
Matching format of first motif: Original Motif

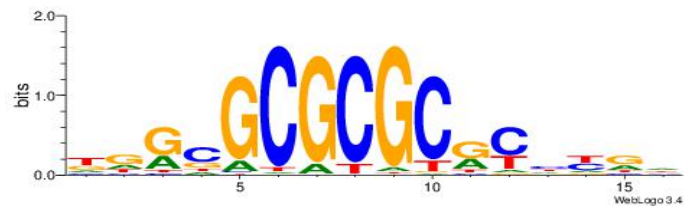
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0

Alignment:

```
DMMDGMGCGCGCGCHD
---VSCGRGCGBV---
```

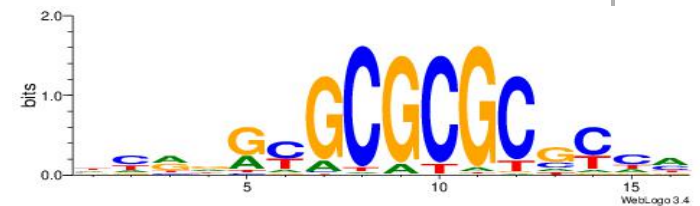
Original motif

Consensus sequence: DDGCGCGCGCRCHYRD



Reverse complement motif

Consensus sequence: DMMDGMGCGCGCGCHD



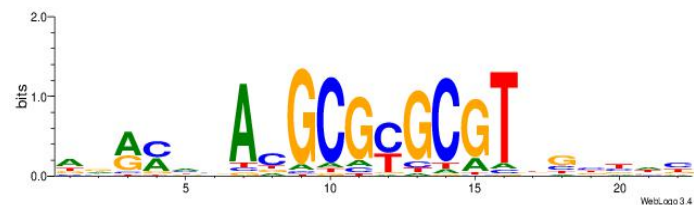
Motif ID:	UP00526
Motif name:	Foxn1_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	8
Number of overlap:	10
Similarity score:	0.00441562

Alignment:

DDRMHBACGCGYGCGTDGBBDB
 -----VSCGRGCGBV-----

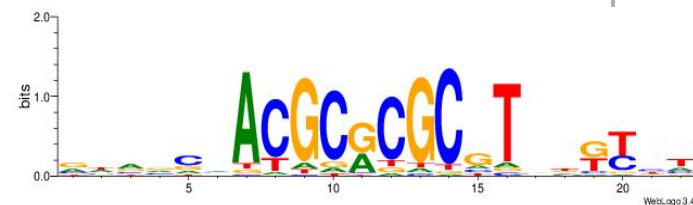
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



Motif ID:	UP00400
Motif name:	Zif268
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	7
Number of overlap:	10
Similarity score:	0.00724497

Alignment:

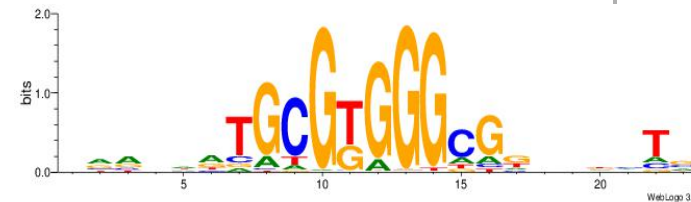
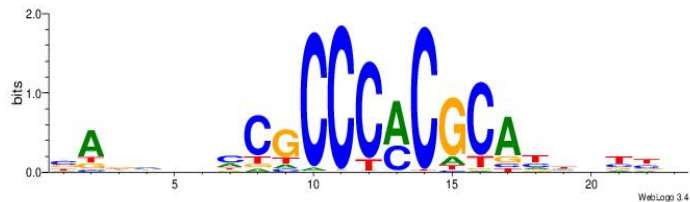
BADHBDHCGCCCMCGCAHHDBBV
 -----VBCGCMCGSV-----

Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV

Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHTB

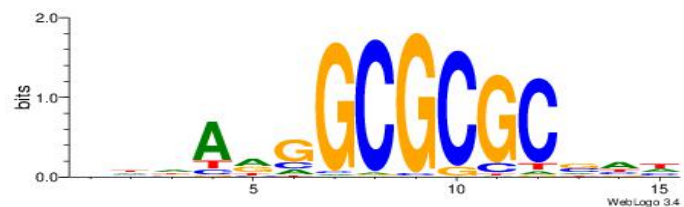


Motif ID: [UP00001](#)
 Motif name: E2F2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.00889608

Alignment:
 HHVGCGCGCCKTDHB
 VBCGCMCGSV-----

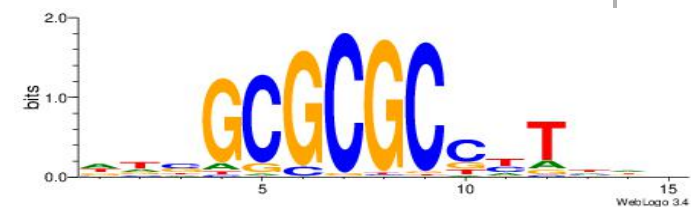
Original motif

Consensus sequence: VHDARGGCGCGCVHH



Reverse complement motif

Consensus sequence: HHVGCGCGCCKTDHB



Motif ID: [UP00002](#)

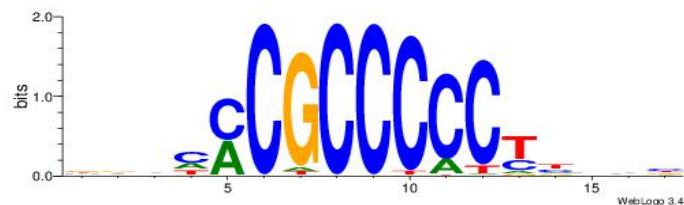
Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.00998546

Alignment:

BVVHAGGGGGCGRDHHB
 ----VSCGRGCBV----

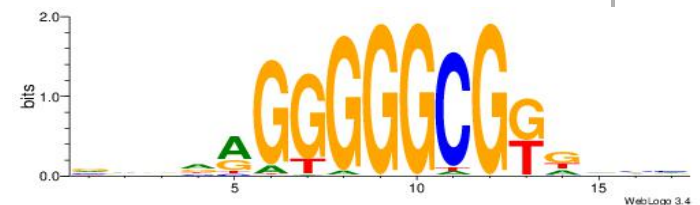
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB

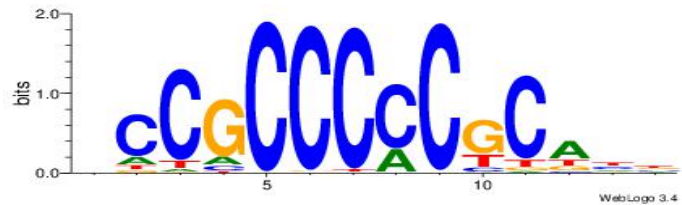


Motif ID: [UP00007](#)
 Motif name: Egr1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 10

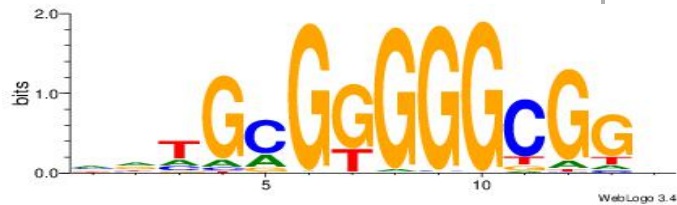
Similarity score: 0.0109516

Alignment:
HCCGCCCCCGCAHB
--VBCGCMCGSV--

Original motif
Consensus sequence: HCCGCCCCCGCAHB



Reverse complement motif
Consensus sequence: VHTGCGGGGGCGGH

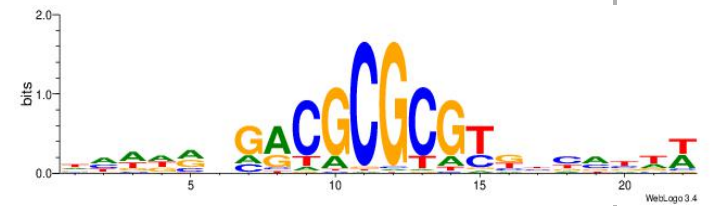


Motif ID: [UP00526](#)
Motif name: Foxn1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 7
Number of overlap: 10
Similarity score: 0.0111653

Alignment:
HDWHMHGACGCGCGTRBVVBHW
-----VSCGRGCBV-----

Original motif
Consensus sequence: WHVBVVMACGCGCGTCDYHWDH

Reverse complement motif
Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



Alignment:

```
VYVWVHCRCCACMCACGAHSBHH
-----VBCGCMCGSV-----
```

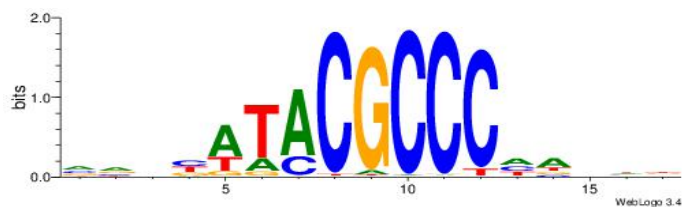
Motif ID: [UP00093](#)
 Motif name: Klf7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.012521

Alignment:

DHDTHGGGCGTATBHBB
 --VSCGRGCGBV-----

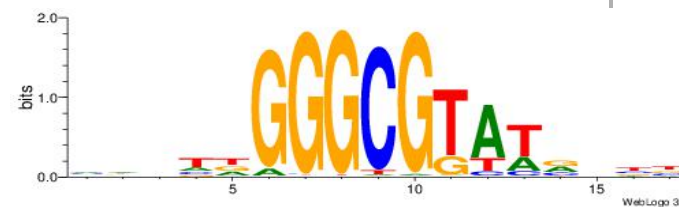
Original motif

Consensus sequence: VVDBATACGCCCHAHHD



Reverse complement motif

Consensus sequence: DHDTHGGGCGTATBHBB



Motif ID: [UP00065](#)
 Motif name: Zfp161_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5

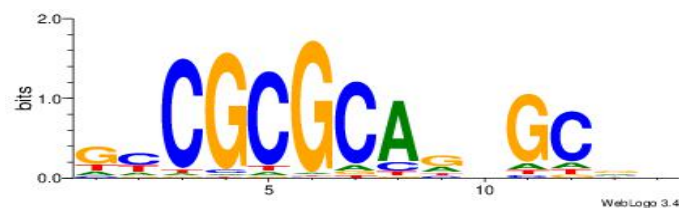
Number of overlap: 10
Similarity score: 0.0128641

Alignment:

VVGCVMTGCGCGKC
----VBCGCMCGSV

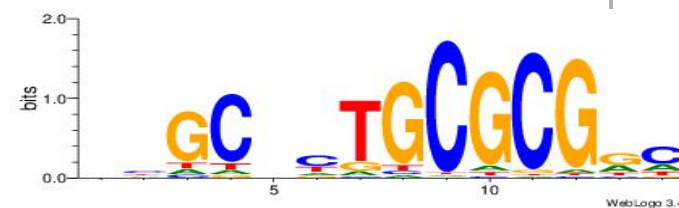
Original motif

Consensus sequence: GYCGCGCARBGCVB



Reverse complement motif

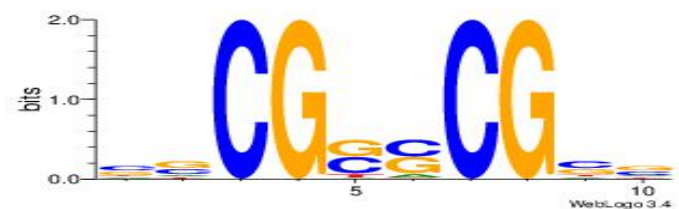
Consensus sequence: VVGCVMTGCGCGKC



Dataset #: 4 **Motif ID: 66** **Motif name: ssCGssCGss**

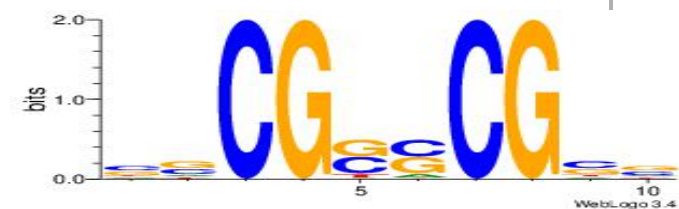
Original motif

Consensus sequence: BSCGSSCGSV



Reverse complement motif

Consensus sequence: VSCGSSCGSB



Best Matches for Motif ID 66 (Highest to Lowest)

Motif ID: [UP00065](#)
Motif name: Zfp161_primary
Species: Mus musculus

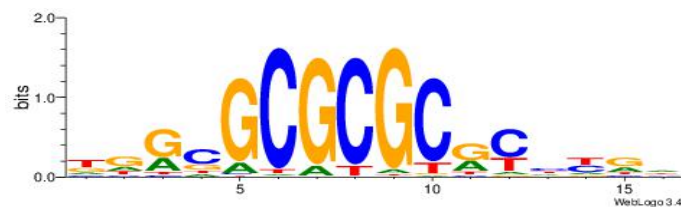
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0

Alignment:

```
DDGCGCGCGCRCHYRD
---BSCGSSCGSV---
```

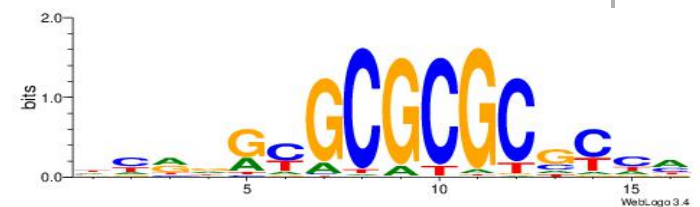
Original motif

Consensus sequence: DDGCGCGCGCRCHYRD



Reverse complement motif

Consensus sequence: DMMDGMGCGCGCGCHD



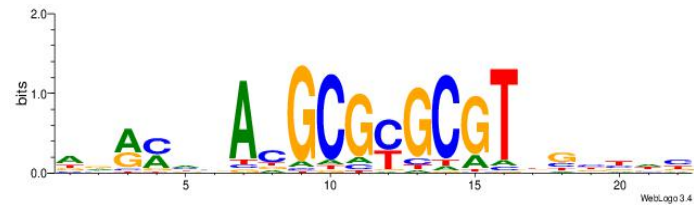
Motif ID:	UP00526
Motif name:	Foxn1_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	8
Number of overlap:	10
Similarity score:	0.00696149

Alignment:

DDRMHBACGCGYGCGTDGBBDB
-----BSCGSSCGSV-----

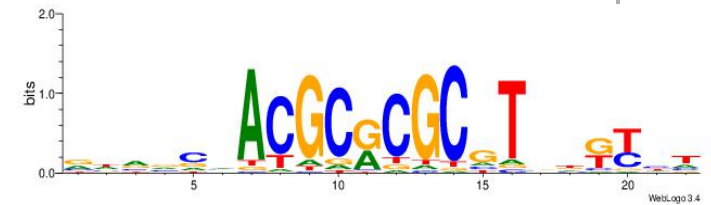
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



Motif ID:	UP00001
Motif name:	E2F2_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	6
Number of overlap:	10
Similarity score:	0.0109689

Alignment:

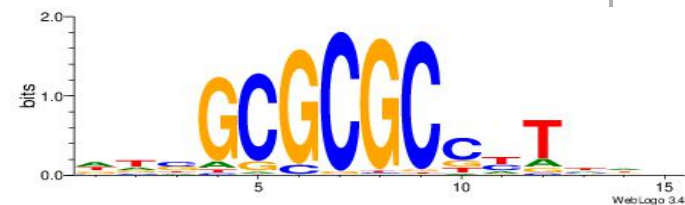
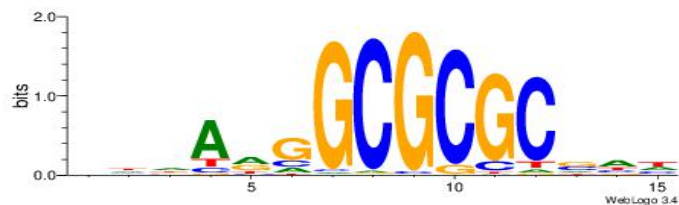
HHVGCGCGCCKTDHB
BSCGSSCGSV-----

Original motif

Consensus sequence: VHDARGGCGCGCVHH

Reverse complement motif

Consensus sequence: HHVGCGCGCCKTDHB

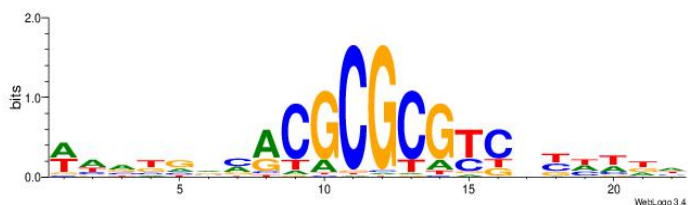


Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0123281

Alignment:
 HDWHMHGACGCGCGTRBVVBHW
 -----BSCGSSCGSV-----

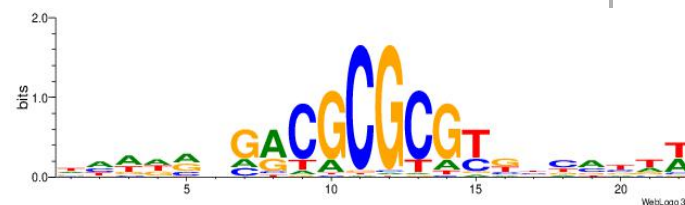
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



Motif ID: [UP00065](#)

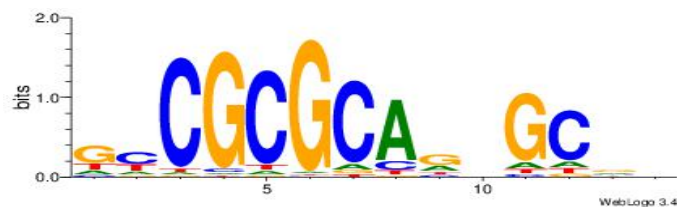
Motif name: Zfp161_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 10
Similarity score: 0.0126874

Alignment:

VVGCVMTGCGCGKC
----VSCGSSCGSB

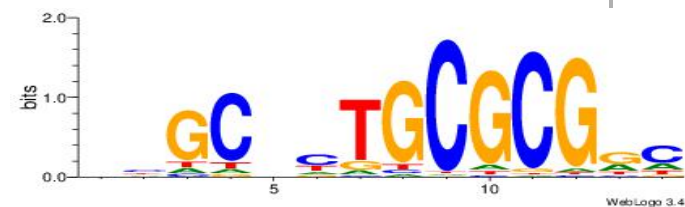
Original motif

Consensus sequence: GYCGCGCARBGCVB



Reverse complement motif

Consensus sequence: VVGCVMTGCGCGKC



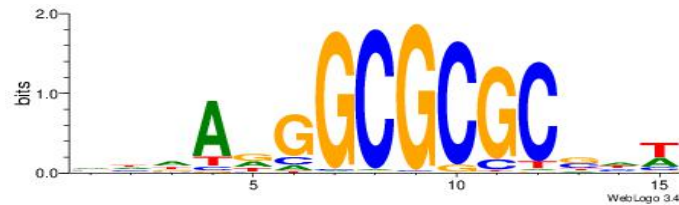
Motif ID: [UP00003](#)
Motif name: E2F3_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 10
Similarity score: 0.0149933

Alignment:

W H S G C G C G C C H T D H B
B S C G S S C G S V - - - - -

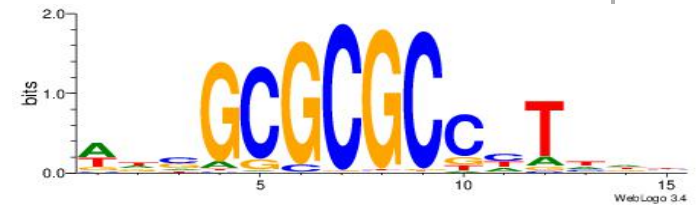
Original motif

Consensus sequence: VHDADGGCGCGCSHW



Reverse complement motif

Consensus sequence: W H S G C G C G C C H T D H B



Motif ID:	UP00005
Motif name:	Tcfap2a_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	10
Similarity score:	0.0189053

Alignment:

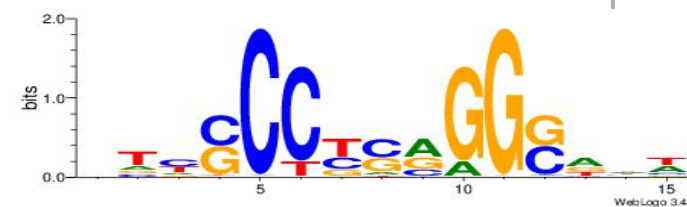
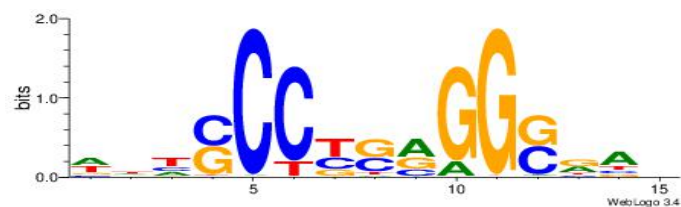
D T M S C C K S M G G S H D W
- - B S C G S S C G S V - - - -

Original motif

Consensus sequence: WDHSCCYSRGGSRAD

Reverse complement motif

Consensus sequence: DTMSCCKSMGGSHDW

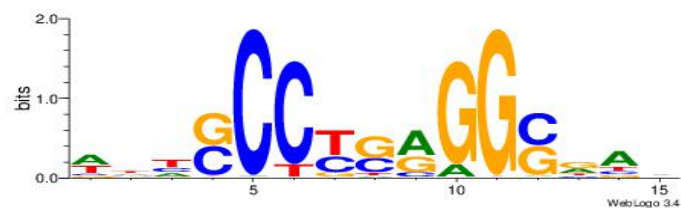


Motif ID: [UP00087](#)
 Motif name: Tcfap2c_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0194786

Alignment:
 DTHSCCKSMGGSHHW
 --BSCGSSCGSV---

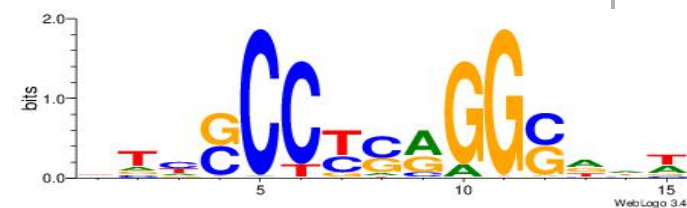
Original motif

Consensus sequence: WHHSCCYSRGGSDAD



Reverse complement motif

Consensus sequence: DTHSCCKSMGGSHHW



Motif ID: [UP00400](#)

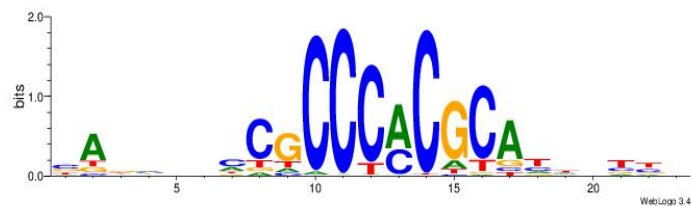
Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0215973

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
 -----BSCGSSCGSV-----

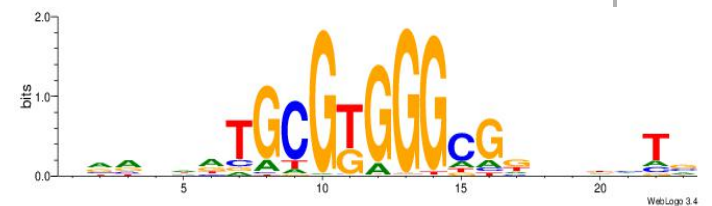
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHTTB

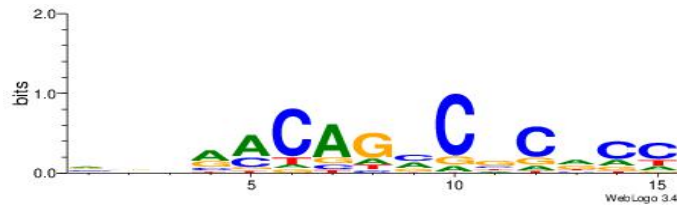


Motif ID: [UP00036](#)
 Motif name: Myf6_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 10

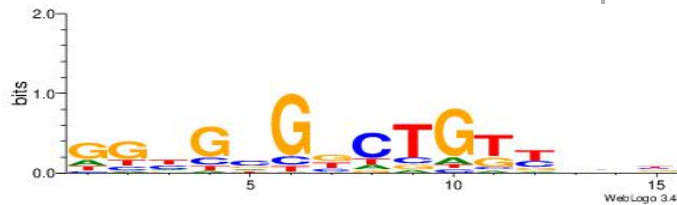
Similarity score: 0.0218811

Alignment:
VVVRACAGVCBCDCC
---BSCGSSCGSV--

Original motif
Consensus sequence: VVVRACAGVCBCDCC

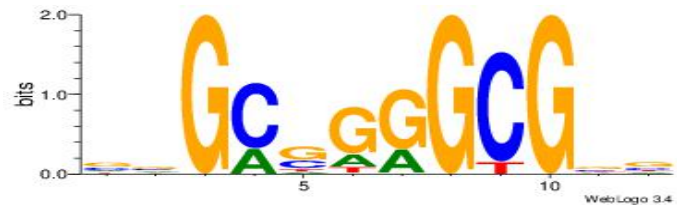


Reverse complement motif
Consensus sequence: GGDGBGVCTGTKVVB



Dataset #: 4 Motif ID: 67 Motif name: ssGMsGRGCGss

Original motif
Consensus sequence: VVGCSGGGCGBB



Reverse complement motif
Consensus sequence: BBCGCCCSGCVV



Best Matches for Motif ID 67 (Highest to Lowest)

Motif ID: [UP00000](#)
Motif name: Smad3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif

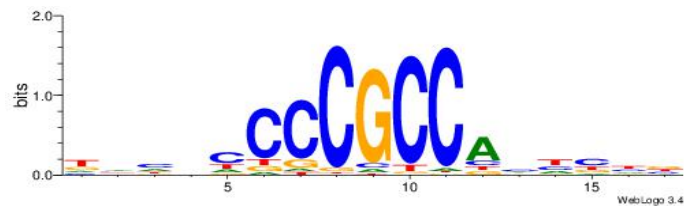
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	6
Number of overlap:	12
Similarity score:	0.0145201

Alignment:

```
BHBHDTGGCGGGGBDHD
VVGCSGGGCGBB-----
```

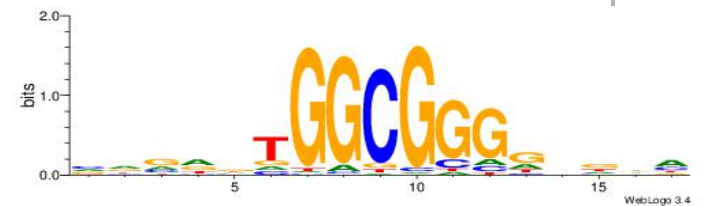
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD



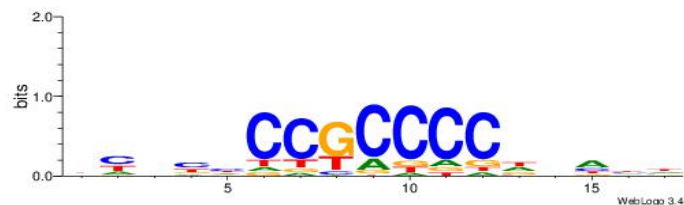
Motif ID:	UP00033
Motif name:	Zfp410_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	12
Similarity score:	0.0165054

Alignment:

BHHBHCCGCCCCDHHHH
----BBCGCCCCSGCVV--

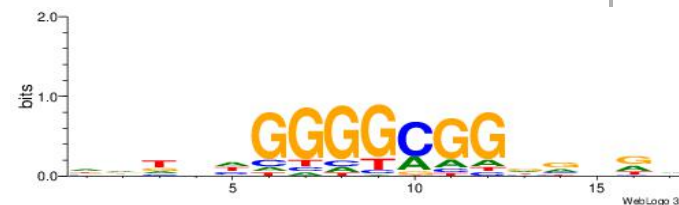
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



Motif ID:	UP00002
Motif name:	Sp4_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	12
Similarity score:	0.0174891

Alignment:

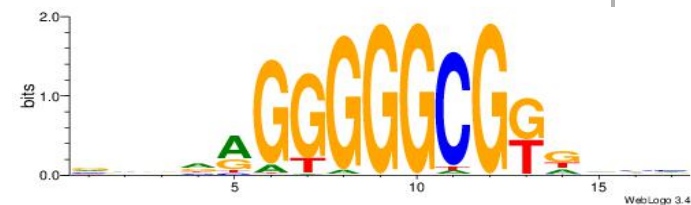
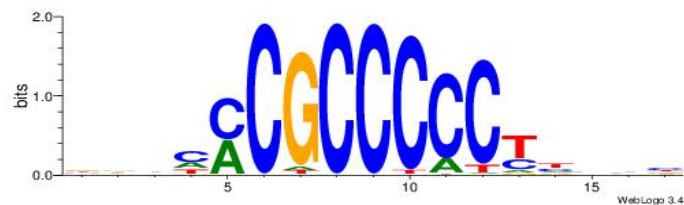
BDHHMCGCCCCCTHVBB
---BBCGCCCCSGCVV--

Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB

Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB

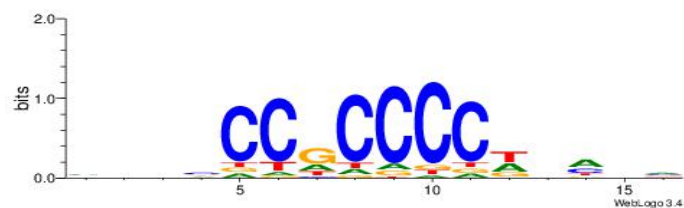


Motif ID: [UP00043](#)
 Motif name: Bcl6b_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0177479

Alignment:
 HBBCCGCCCCWHHHV
 ---BBCGCCCSGCVV-

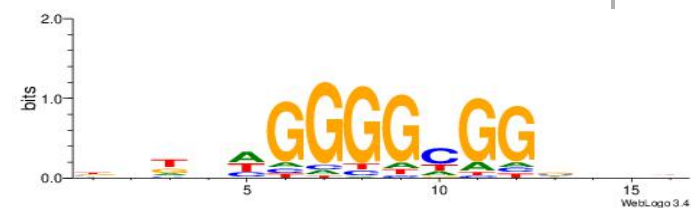
Original motif

Consensus sequence: HBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



Motif ID: [UP00065](#)

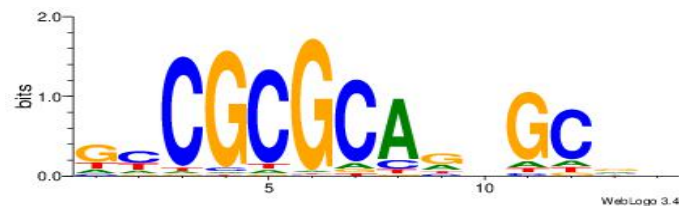
Motif name: Zfp161_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0199317

Alignment:

GYCGCGCARBGCVB
 --BBCGCCCCSGCVV

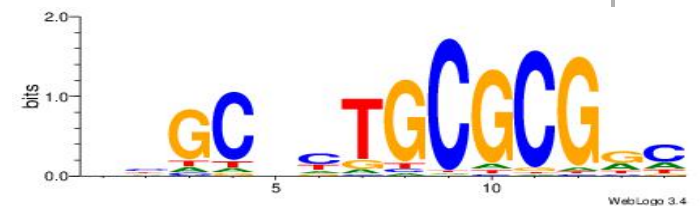
Original motif

Consensus sequence: GYCGCGCARBGCVB



Reverse complement motif

Consensus sequence: VVGCVMTCGCGKC



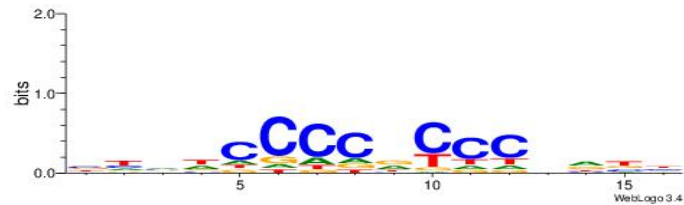
Motif ID: [UP00099](#)
 Motif name: Ascl2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0218581

Alignment:

HVDVGGGHGGGGDBHB
BBCGCCCCSGCVV-----

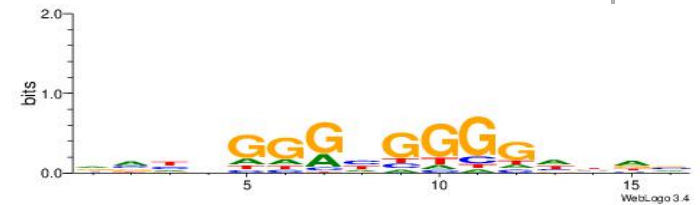
Original motif

Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif

Consensus sequence: HVDVGGGHGGGGDBHB



Motif ID:	UP00526
Motif name:	Foxn1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	12
Similarity score:	0.0230506

Alignment:

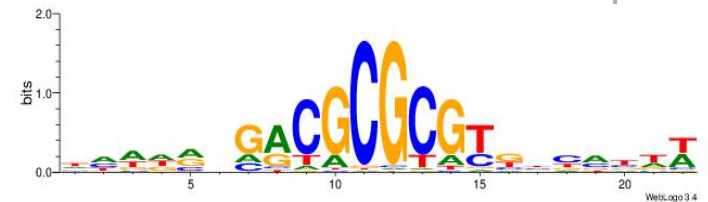
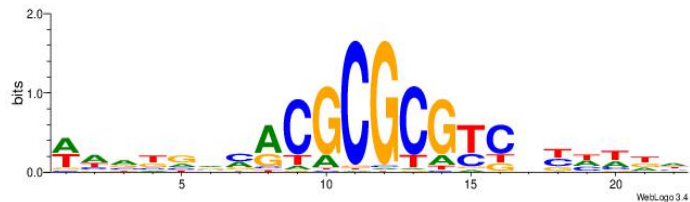
HDWHMHGACGCGCGTRBVVBHW
-----VVGCSGGGCGBB-----

Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH

Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW

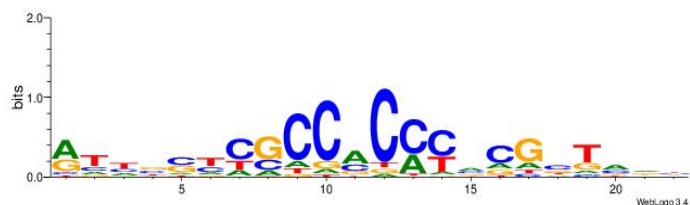


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 12
 Similarity score: 0.0234643

Alignment:
 RTHBSYCGCCMCMYVCGBTVDH
 ----BBCGCCCCSGCVV-----

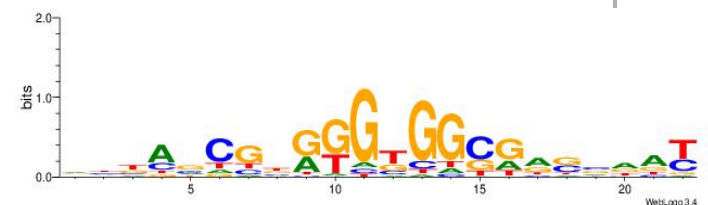
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



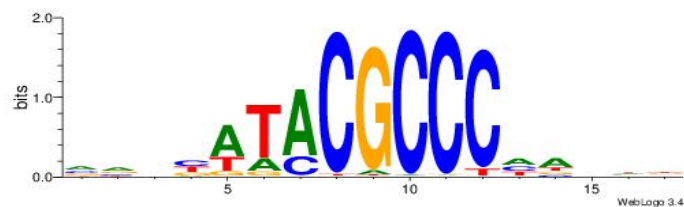
Motif ID: [UP00093](#)

Motif name: Klf7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0242135

Alignment:
 DHDTHGGGCGTATBHBB
 -----BBCGCCCSGCVV

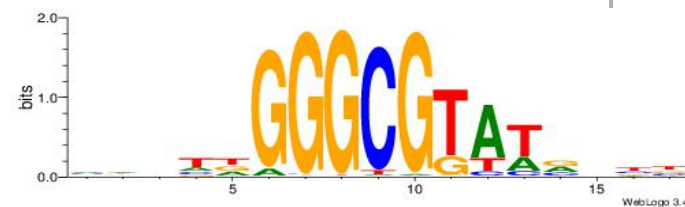
Original motif

Consensus sequence: VVDBATACGCCCHAHHD



Reverse complement motif

Consensus sequence: DHDTHGGGCGTATBHBB



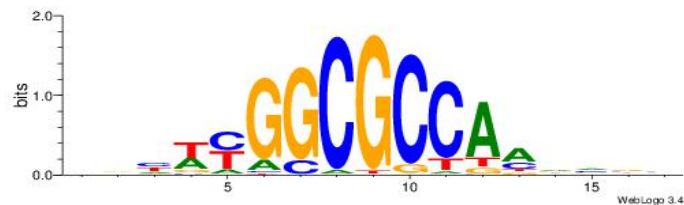
Motif ID: [UP00003](#)
 Motif name: E2F3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.024665

Alignment:

HBHWYGGCGCCAMDVB
-----BBCGCCCCSGCVV

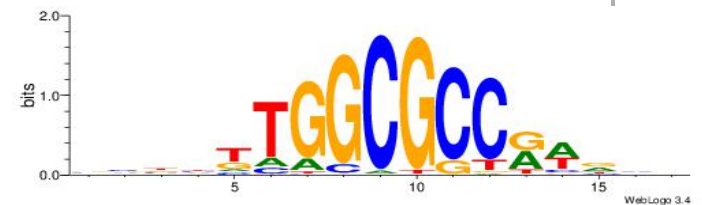
Original motif

Consensus sequence: HBHWYGGCGCCAMDVB



Reverse complement motif

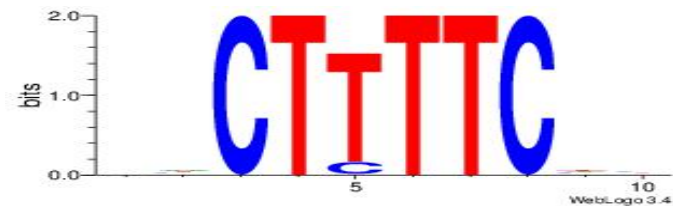
Consensus sequence: BBBDYTGGCGCCKWDBD



Dataset #: 4 Motif ID: 68 Motif name: dwCTTTTCwy

Original motif

Consensus sequence: DHCTTTTCHH



Reverse complement motif

Consensus sequence: DHGAAAAGHD



Best Matches for Motif ID 68 (Highest to Lowest)

Motif ID:	UP00100
Motif name:	Gata6_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement

Direction: Backward
Position number: 5
Number of overlap: 10
Similarity score: 0

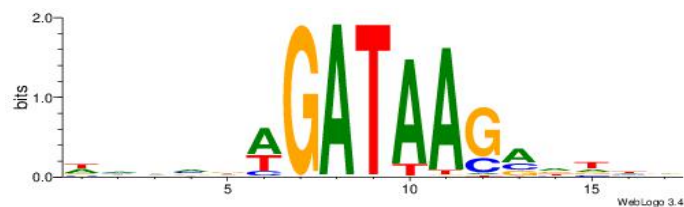
Alignment:

VHDDTCTTATCWHBDHD

---DHCTTTTCHH----

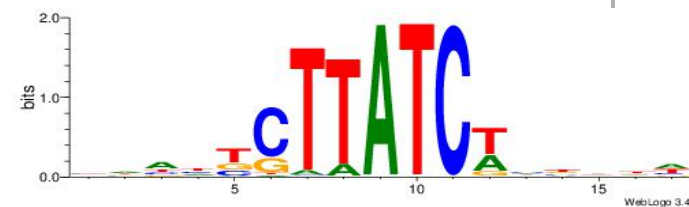
Original motif

Consensus sequence: DHDVDWGATAAGADDHV



Reverse complement motif

Consensus sequence: VHDDTCTTATCWHBDHD



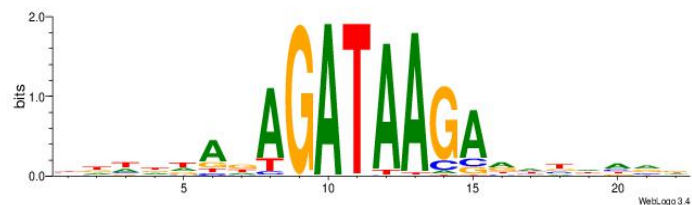
Motif ID: [UP00032](#)
Motif name: Gata3_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 7
Number of overlap: 10
Similarity score: 0.00791476

Alignment:

HBHDVHDTCTTATCTHTDDHDV
-----DHCTTTTCHH-----

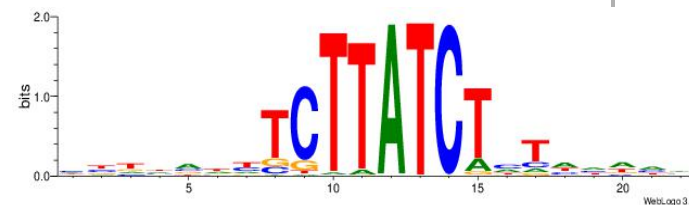
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



Motif ID:	UP00080
Motif name:	Gata5_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0.0170494

Alignment:

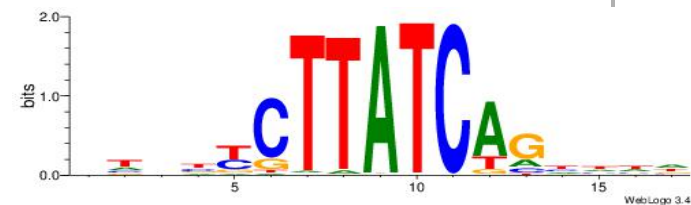
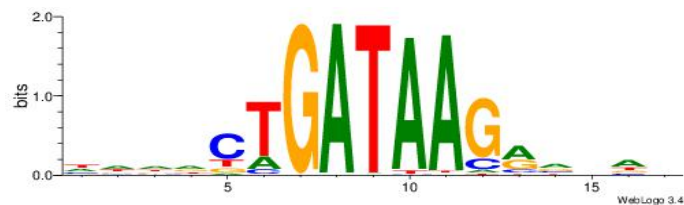
HDDDCTGATAAGRVDDD
----DHGAAAAGHD---

Original motif

Consensus sequence: HDDDCTGATAAGRVDDD

Reverse complement motif

Consensus sequence: DDHBKCTTATCAGDDDH

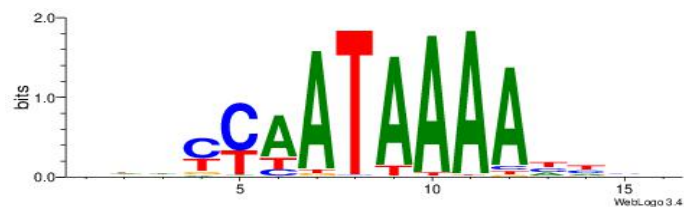


Motif ID: [UP00180](#)
 Motif name: Hoxd13
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0261336

Alignment:
 HDHHTTTTATTKKHDD
 -DHCTTTTCHH-----

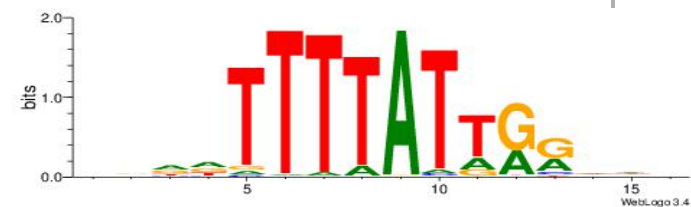
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD



Motif ID: [UP00086](#)

Motif name:	Irf3_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	10
Similarity score:	0.0268224

Alignment:

```
BHGSDCCD TTCTHH
---DHCTTTTCHH-
```

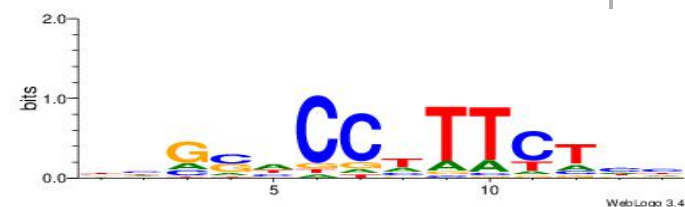
Original motif

Consensus sequence: DDAGAADGGDSCDV



Reverse complement motif

Consensus sequence: BHGSDCCD TTCTHH



Motif ID:	UP00121
Motif name:	Hoxd10
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	10

Similarity score: 0.0305464

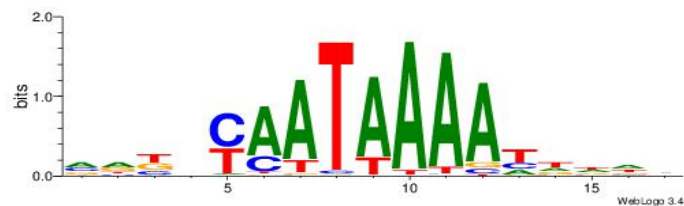
Alignment:

HDDDATTTTATTKVRDB

--DHCTTTTCHH-----

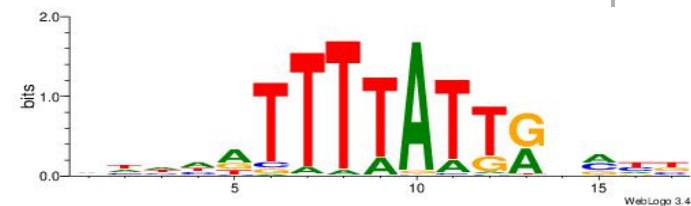
Original motif

Consensus sequence: VDKVYAATAAAATDDDH



Reverse complement motif

Consensus sequence: HDDDATTTTATTKVRDB



Motif ID: [UP00028](#)
Motif name: Tcfap2e_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 10
Similarity score: 0.0311787

Alignment:

HDCDBRAAAAAADD

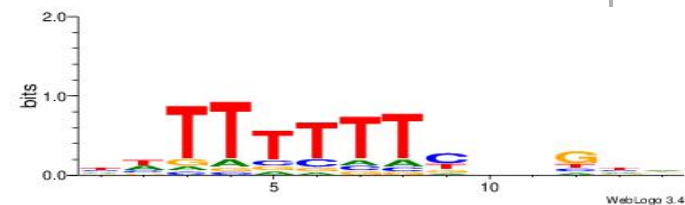
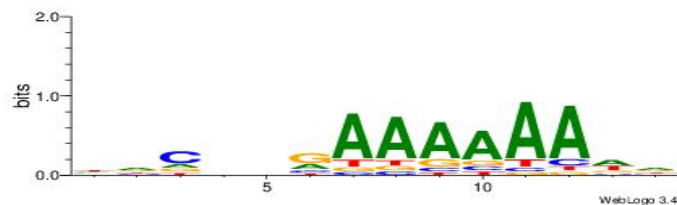
---DHGAAAAGHD-

Original motif

Consensus sequence: HDCDBRAAAAAADD

Reverse complement motif

Consensus sequence: DDTTTTTTMBDGDH



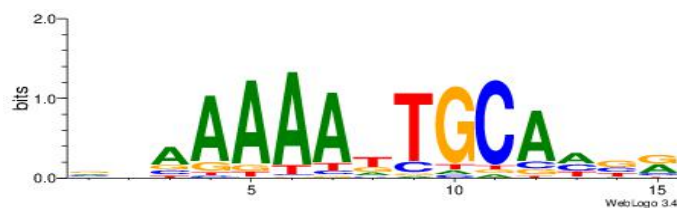
Motif ID: [UP00044](#)
 Motif name: Mafk_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0323274

Alignment:

VHAAAAADTGCAHBR
 DHGAAAAGHD-----

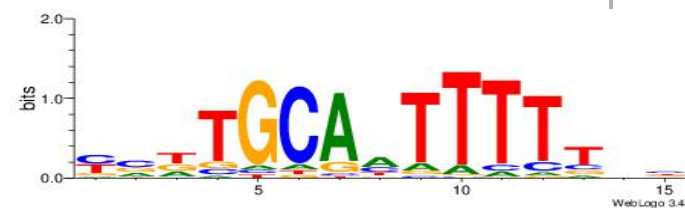
Original motif

Consensus sequence: VHAAAAADTGCAHBR



Reverse complement motif

Consensus sequence: MBHTGCADTTTTTHV



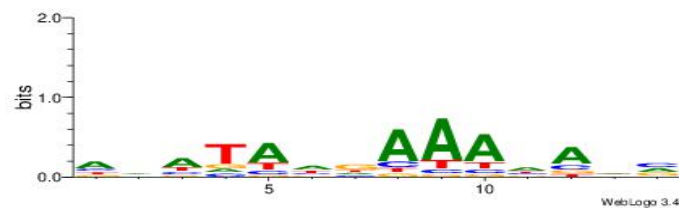
Motif ID: [UP00097](#)
 Motif name: Mtf1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.032885

Alignment:

VDTHTTTHTATDH
 DHCTTTTCHH----

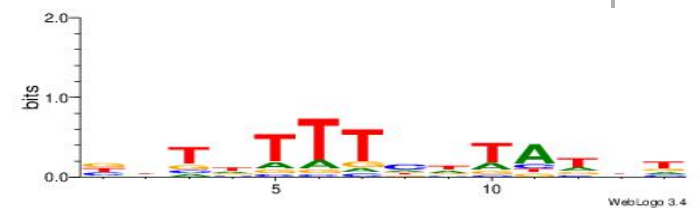
Original motif

Consensus sequence: HDATAHDAAHADV



Reverse complement motif

Consensus sequence: VDTHTTTHTATDH



Motif ID: [UP00074](#)
 Motif name: Isgf3g_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6

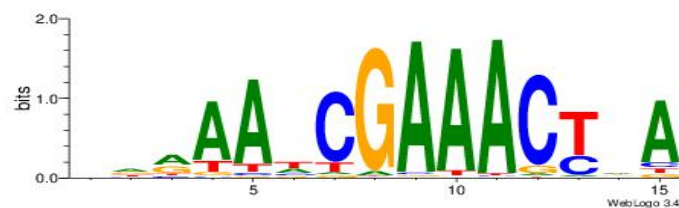
Number of overlap: 10
Similarity score: 0.0334374

Alignment:

TDAGTTTCGWTTKDV
DHCTTTTCHH-----

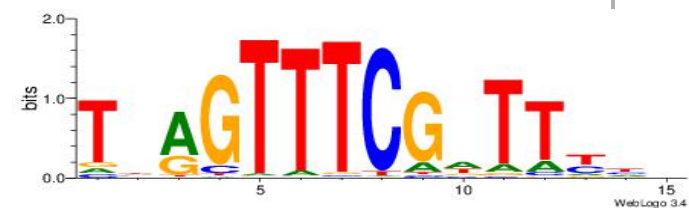
Original motif

Consensus sequence: VDRAAWCGAAACTDA



Reverse complement motif

Consensus sequence: TDAGTTTCGWTTKDV



Dataset #: 4 **Motif ID: 69** **Motif name: aaACAAAACaa**

Original motif

Consensus sequence: AAACAAAACAA



Reverse complement motif

Consensus sequence: TTGTTTGT



Best Matches for Motif ID 69 (Highest to Lowest)

Motif ID: [UP00040](#)
Motif name: Irf5_primary
Species: Mus musculus

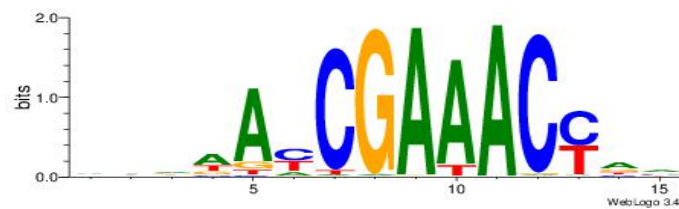
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	11
Similarity score:	0

Alignment:

```
BDKGTTTCGKTWDDD
-TTGTTTTGTTT---
```

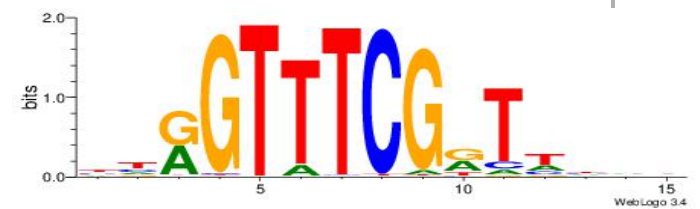
Original motif

Consensus sequence: DDDWAYCGAAACYDV



Reverse complement motif

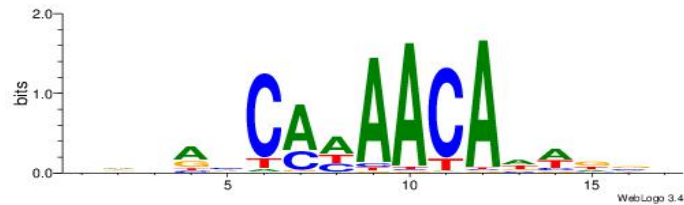
Consensus sequence: BDKGTTTCGKTWDDD



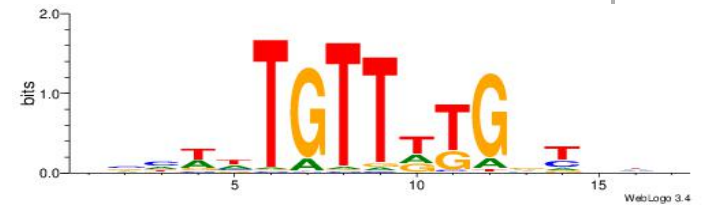
Motif ID:	UP00039
Motif name:	Foxj3_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	11
Similarity score:	0.00531676

-----TTGTTTTGTTT--

Consensus sequence: HDBAHCAWAACADWDVD



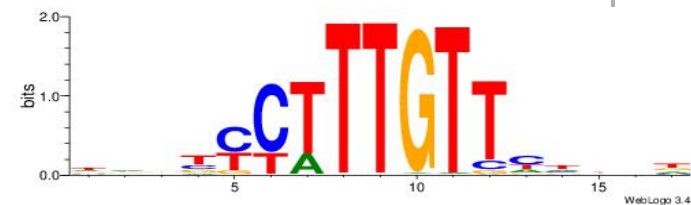
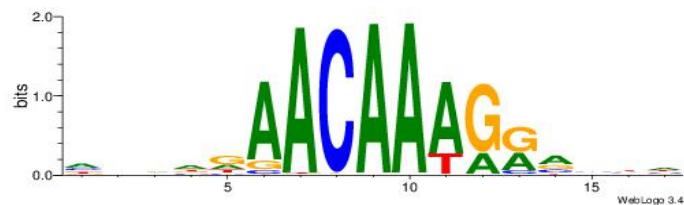
Consensus sequence: DVHWDTGTTWTGDTBDH



UP00062

-----AAACAAACAA-----

Consensus sequence: HHBBMCTTTGTTHDDBH

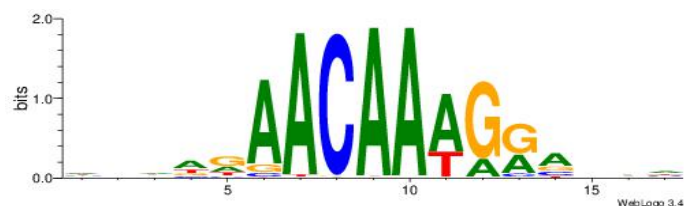


Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.00927121

Alignment:
 HBDDRAACAAAGRABHH
 ----AAACAAAACAA--

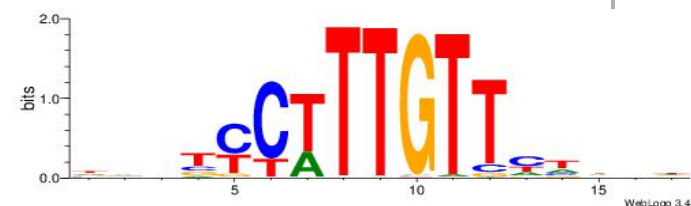
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



Motif ID: [UP00074](#)

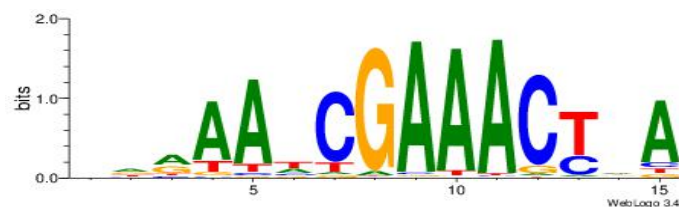
Motif name: Isgf3g_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.00929598

Alignment:

VDRAAWCGAAACTDA
 ---AAACAAAACAA-

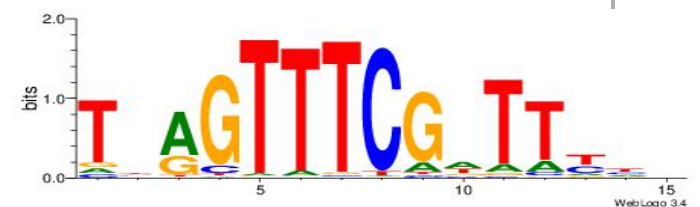
Original motif

Consensus sequence: VDRAAWCGAAACTDA



Reverse complement motif

Consensus sequence: TDAGTTTCGWTTKDV



Motif ID: [UP00018](#)
 Motif name: Irf4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11

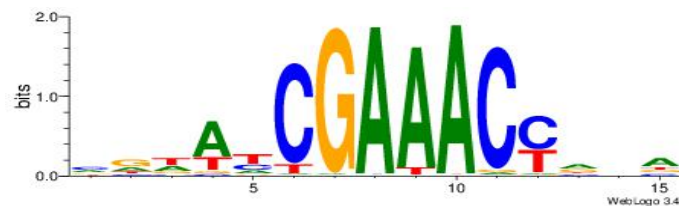
Similarity score: 0.0107669

Alignment:

TBDKGTTCGMTDHV
--TTGTTTTGTTT--

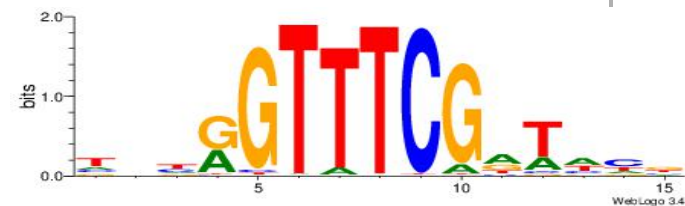
Original motif

Consensus sequence: VDDAYCGAAACYDVA



Reverse complement motif

Consensus sequence: TBDKGTTCGMTDHV



Motif ID: [UP00034](#)
Motif name: Sox7_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 11
Similarity score: 0.0108575

Alignment:

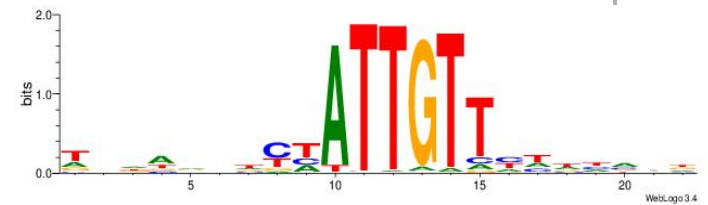
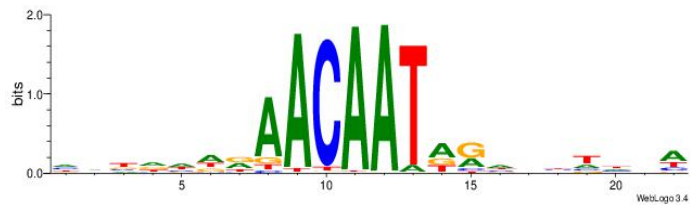
HHBDHDDAACAATDRHHHHHBW
-----AAACAAAACAA-----

Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW

Reverse complement motif

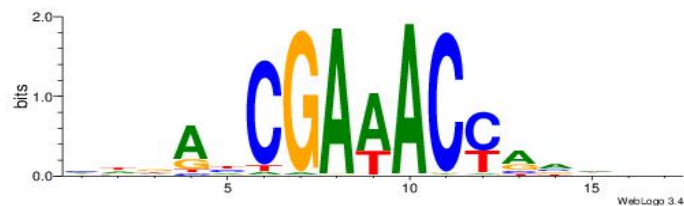
Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



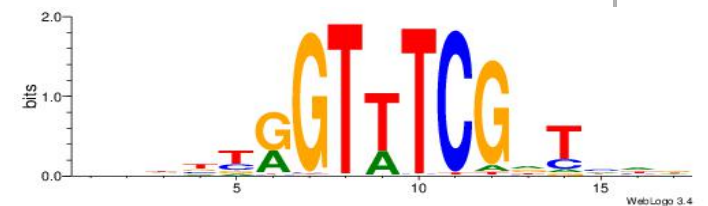
Motif ID: [UP00011](#)
 Motif name: Irf6_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0123014

Alignment:
 DHDBTKGTTTCGHTHDD
 ----TTGTTTTGTTT--

Original motif
 Consensus sequence: HDDAHCGAAACYAVDDD



Reverse complement motif
 Consensus sequence: DHDBTKGTTTCGHTHDD



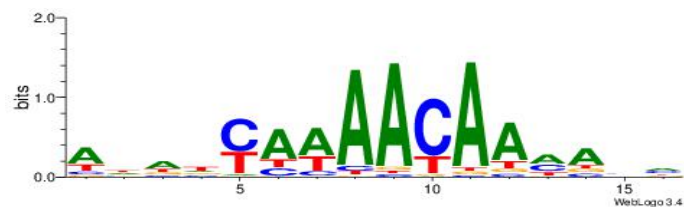
Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0135558

Alignment:

ADDDYAWAACAAMAHH
 -AAACAAAACAA-----

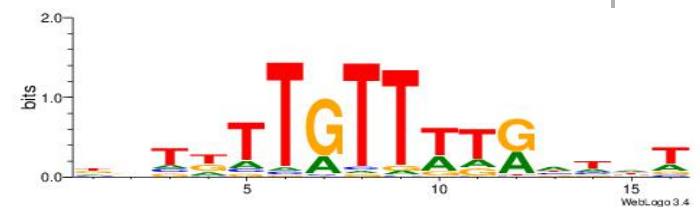
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3

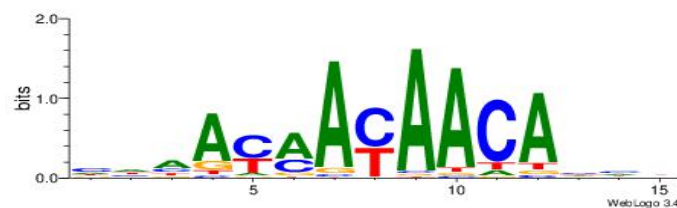
Number of overlap: 11
Similarity score: 0.0135993

Alignment:

HDDTGTTKTTKTHHD
--TTGTTTTGTTT--

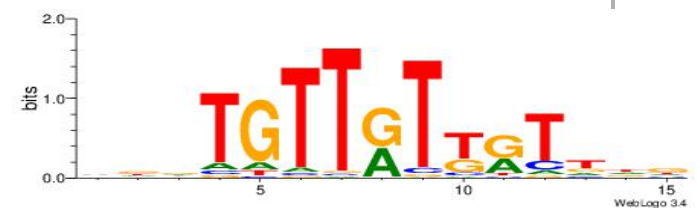
Original motif

Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif

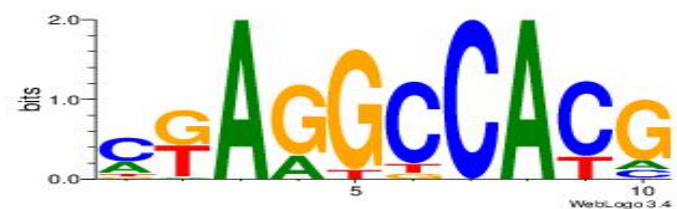
Consensus sequence: HDDTGTTKTTKTHHD



Dataset #: 4 **Motif ID: 70** **Motif name: mkARGCCACG**

Original motif

Consensus sequence: CKAGGCCACG



Reverse complement motif

Consensus sequence: CGTGGCCTYG



Best Matches for Motif ID 70 (Highest to Lowest)

Motif ID: [UP00048](#)
Motif name: Rara
Species: Mus musculus

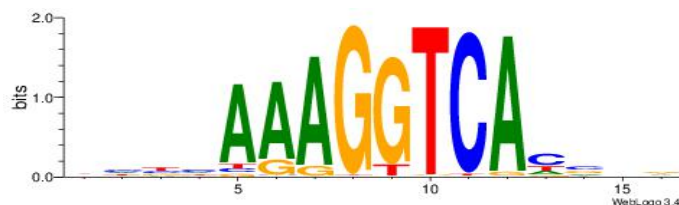
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	10
Similarity score:	0.0144802

Alignment:

```
DHBHAAAGGTCACVHD
----CKAGGCCACG--
```

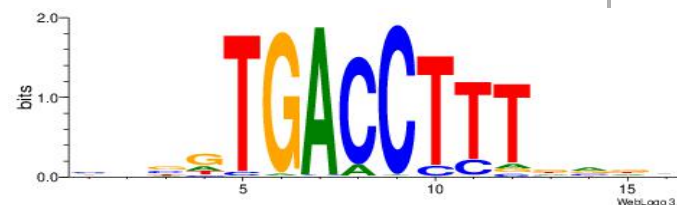
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD



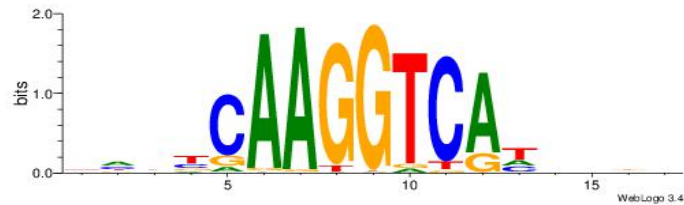
Motif ID:	UP00079
Motif name:	Esrra_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	10
Similarity score:	0.0173934

Alignment:

HHBVHTGACCTTGVDHD
---CGTGGCCTYG----

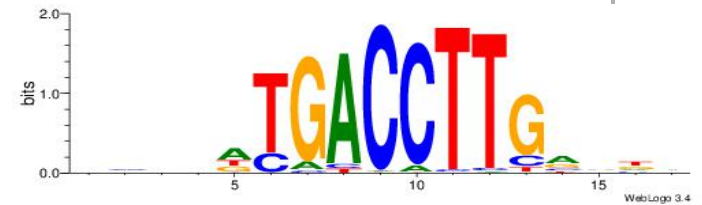
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0.0178167

Alignment:

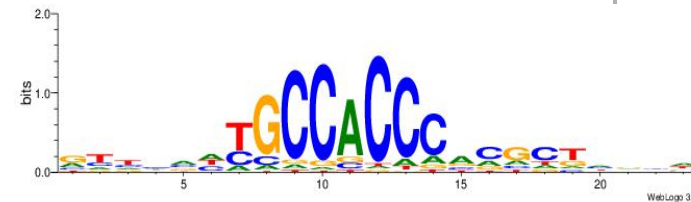
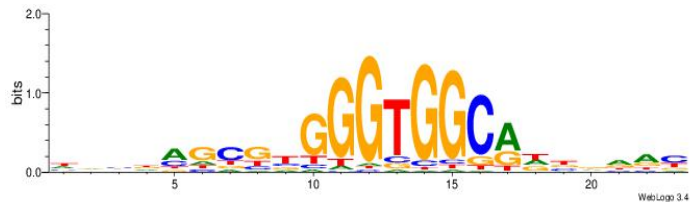
HVBDAGCGBGGGTGGCRDBDDDB
-----CGTGGCCTYG---

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

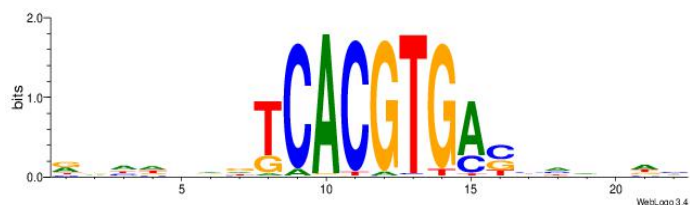


Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 11
 Number of overlap: 10
 Similarity score: 0.0188256

Alignment:
 DDHBHBSTCACGTGAHBBDHMH
 --CKAGGCCACG-----

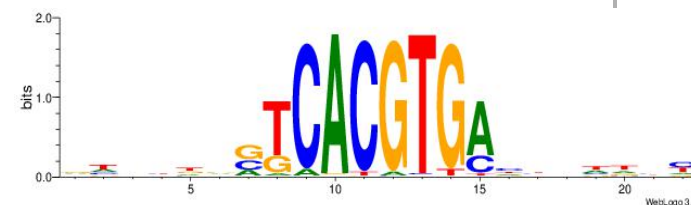
Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHMH



Motif ID: [UP00053](#)

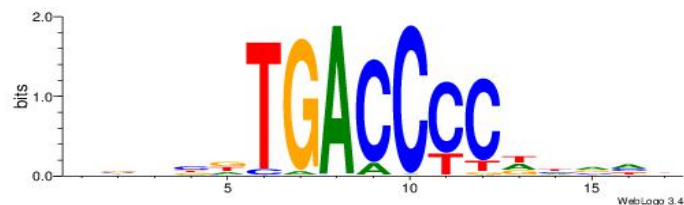
Motif name: Rxra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0205842

Alignment:

DBHBDTGACCCCDHVHB
 ---CGTGGCCTYG----

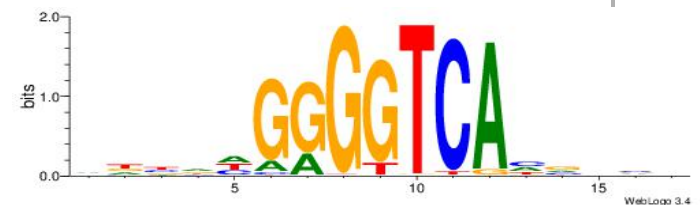
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHBD



Motif ID: [UP00009](#)
 Motif name: Nr2f2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 10

Similarity score: 0.0209211

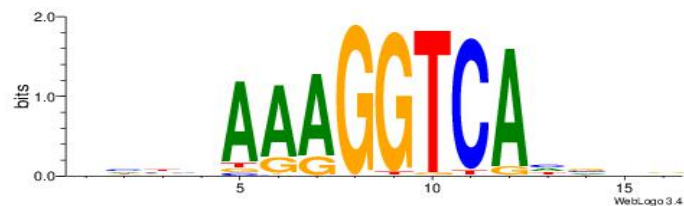
Alignment:

DHBHAAAGGTCAHVHB

----CKAGGCCACG--

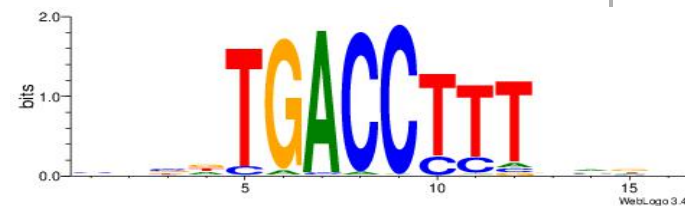
Original motif

Consensus sequence: DHBHAAAGGTCAHVHB



Reverse complement motif

Consensus sequence: BHVDTGACCTTTDVDD



Motif ID: [UP00538](#)
Motif name: Gli1_v016060_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 10
Number of overlap: 10
Similarity score: 0.0210008

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH

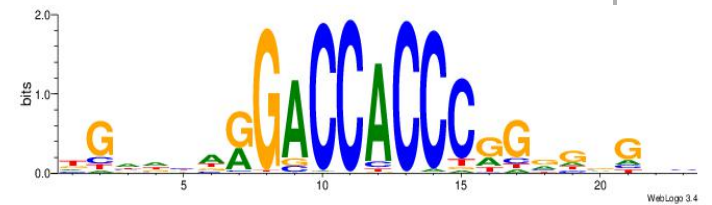
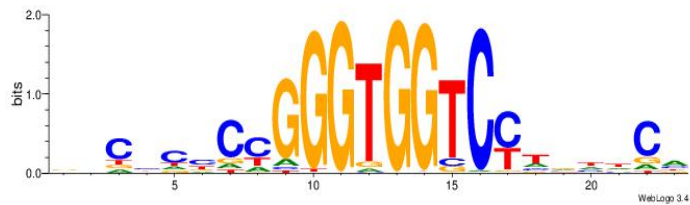
-----CGTGGCCTYG-----

Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH

Reverse complement motif

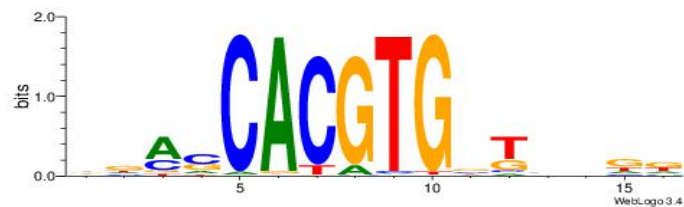
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



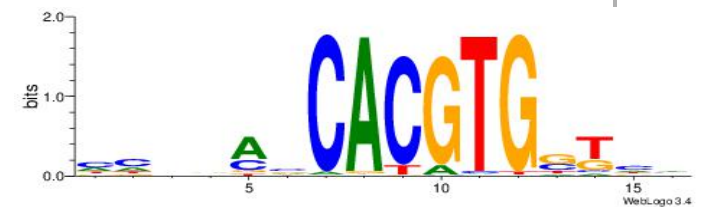
Motif ID: [UP00060](#)
 Motif name: Max_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0213955

Alignment:
 DDASCACGTGBTBVDD
 CKAGGCCACG-----

Original motif
 Consensus sequence: DDASCACGTGBTBVDD



Reverse complement motif
 Consensus sequence: HHVBABCACGTGSTHD



Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary

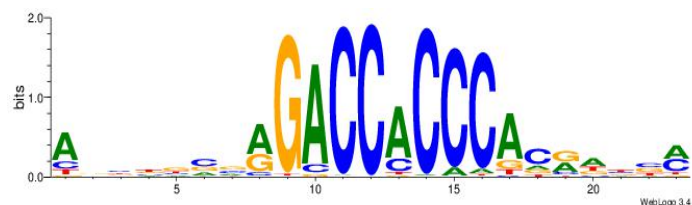
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.021686

Alignment:

YBVDMGTGGGTGGTCKVVBVBBT
 -----CGTGGCCTYG-----

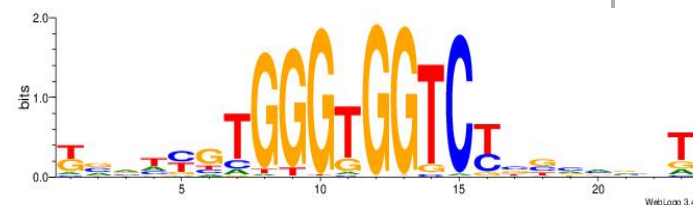
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMGTGGGTGGTCKVVBVBBT



Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 10
 Number of overlap: 10
 Similarity score: 0.0217225

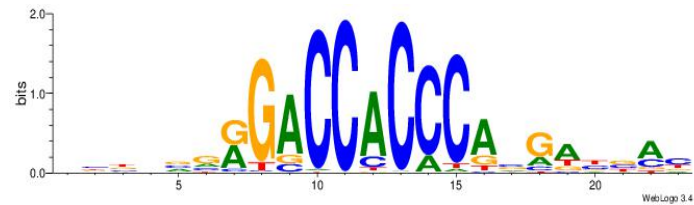
Alignment:

BBBDVVRGACCACCCAVGABBAB

-----CKAGGCCACG-----

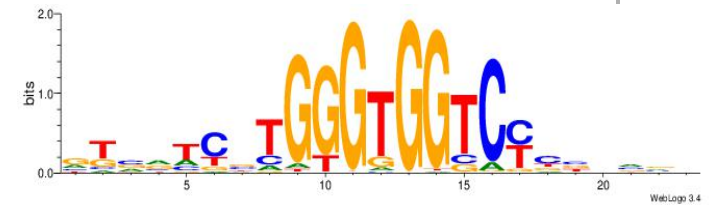
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



Dataset #: 4 **Motif ID: 71** **Motif name: wyATTTTAww**

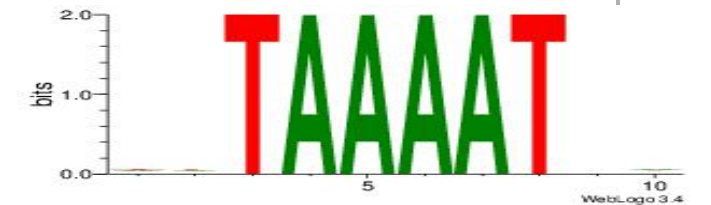
Original motif

Consensus sequence: DHATTTTADD



Reverse complement motif

Consensus sequence: DDTAAATHD



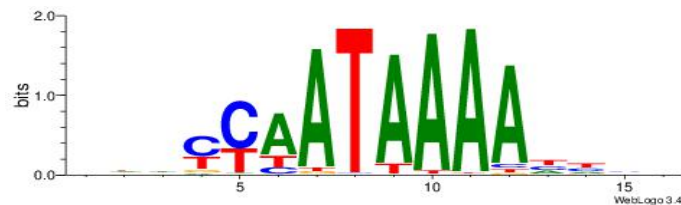
Best Matches for Motif ID 71 (Highest to Lowest)

Motif ID:	UP00180
Motif name:	Hoxd13
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement

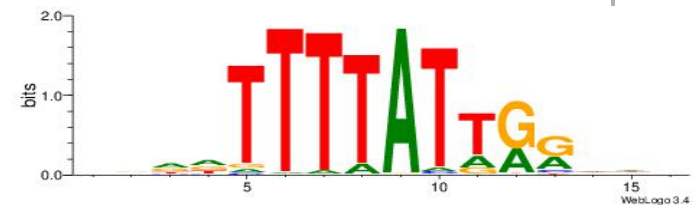
Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0

Alignment:
 HDHHTTTTATTKKHDD
 -DHATTTTADD-----

Original motif
 Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif
 Consensus sequence: HDHHTTTTATTKKHDD

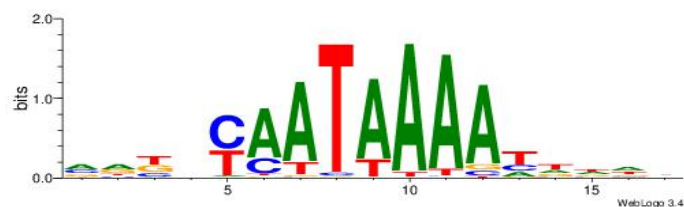


Motif ID: [UP00121](#)
 Motif name: Hoxd10
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.00187158
 Alignment:

HDDDATTTTATTKVRDB
--DHATTTTADD-----

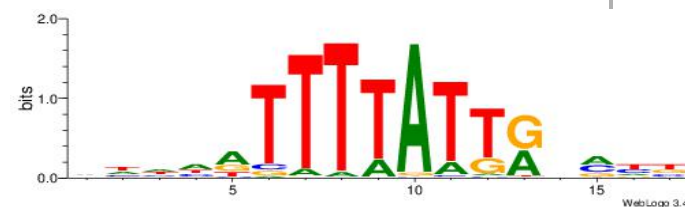
Original motif

Consensus sequence: VDKVYAATAAAATDDDH



Reverse complement motif

Consensus sequence: HDDDATTTTATTKVRDB



Motif ID:	UP00134
Motif name:	Hoxb13
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	6
Number of overlap:	10
Similarity score:	0.00524503

Alignment:

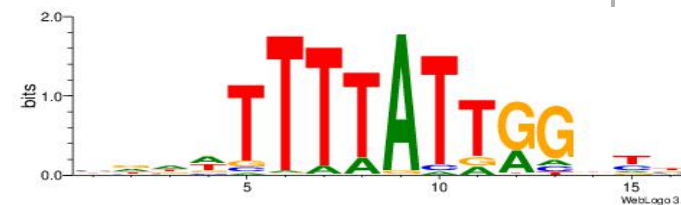
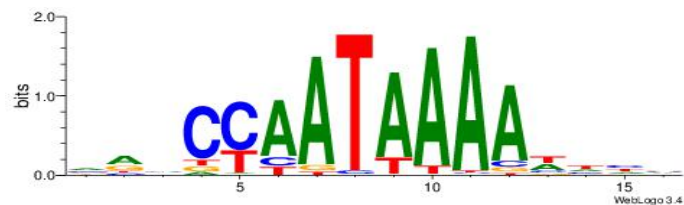
VDHWTTTTATTGGDKB
-DHATTTTADD-----

Original motif

Consensus sequence: VRHCCAATAAAWHHV

Reverse complement motif

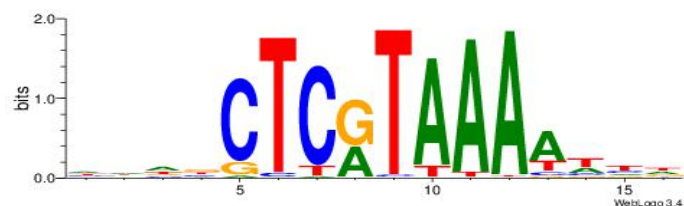
Consensus sequence: VDHWTTTTATTGGDKB



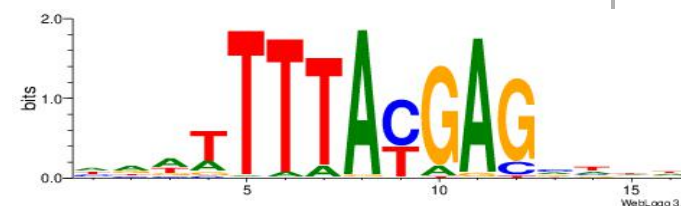
Motif ID: [UP00173](#)
 Motif name: Hoxc13
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.00820036

Alignment:
 DHWTTTTAMGAGBDHH
 DHATTTTADD-----

Original motif
 Consensus sequence: HHDBCTCRTAAAWHD



Reverse complement motif
 Consensus sequence: DHWTTTTAMGAGBDHH



Motif ID: [UP00207](#)

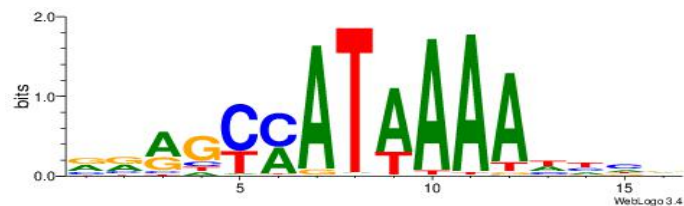
Motif name: Hoxb9
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.00965417

Alignment:

HDHHTTTTATRGCKMV
 -DHATTTTADD-----

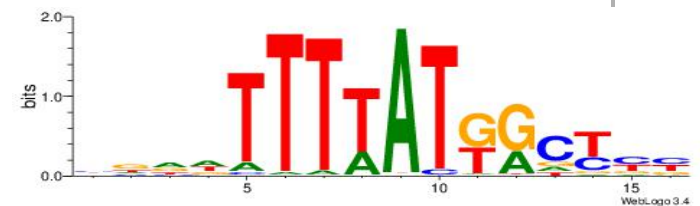
Original motif

Consensus sequence: VRRGCMATAAAHHHD



Reverse complement motif

Consensus sequence: HDHHTTTTATRGCKMV



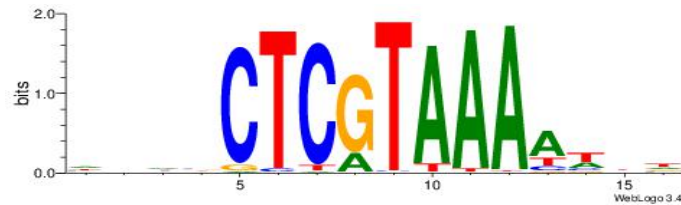
Motif ID: [UP00183](#)
 Motif name: Hoxa13
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0126106

Alignment:

HDHBCTCGTAAAWBD
DHATTTTADD-----

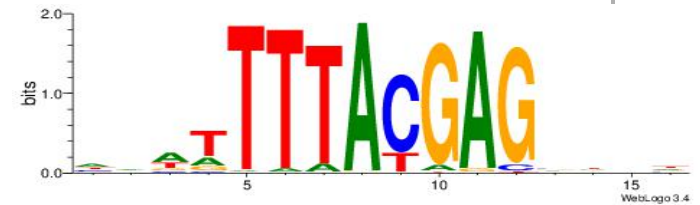
Original motif

Consensus sequence: HDHBCTCGTAAAWBD



Reverse complement motif

Consensus sequence: DVWTTTTACGAGBHDH



Motif ID:	UP00177
Motif name:	Hoxd12
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	10
Similarity score:	0.0129115

Alignment:

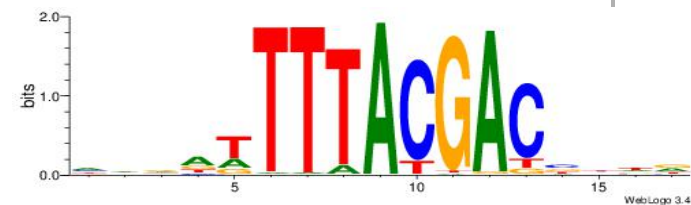
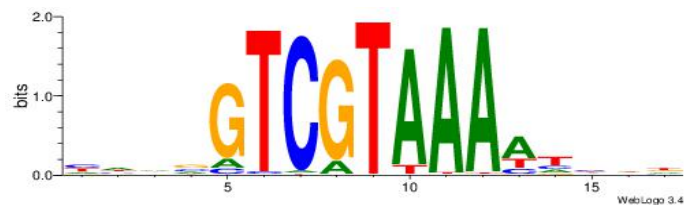
HHDVGTCGTAAAAHHHD
-----DDTAAAATHD-

Original motif

Consensus sequence: HHDVGTCGTAAAAHHHD

Reverse complement motif

Consensus sequence: DHDHTTTTACGACVDHD

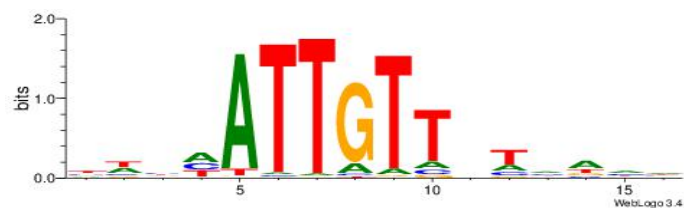


Motif ID: [UP00064](#)
 Motif name: Sox18_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0140165

Alignment:
 HDDHABAACAATHBWV
 ----DDTAAAATHD--

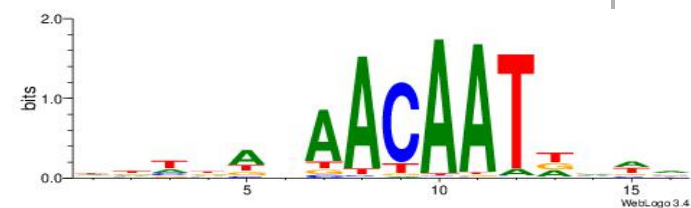
Original motif

Consensus sequence: BWBHATTGTTBTHDHH



Reverse complement motif

Consensus sequence: HDDHABAACAATHBWV



Motif ID: [UP00213](#)

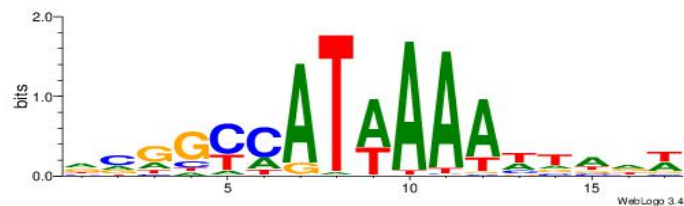
Motif name: Hoxa9
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0140371

Alignment:

WDTAWTTTWATGKCCGD
 --DHATTTTADD-----

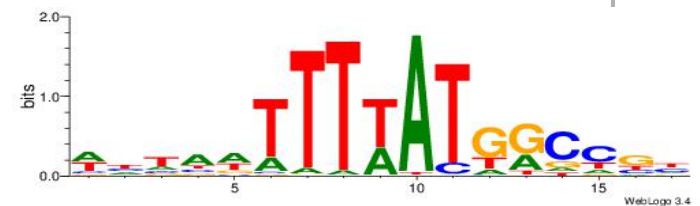
Original motif

Consensus sequence: DCGGYCATWAAAWTADW



Reverse complement motif

Consensus sequence: WDTAWTTTWATGKCCGD



Motif ID: [UP00240](#)
 Motif name: Cdx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 10

Similarity score: 0.0141313

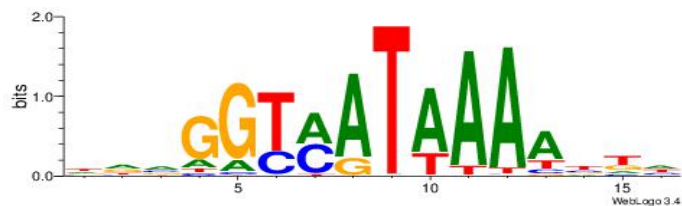
Alignment:

HRVTTTATYACCBDD

DHATTTTADD-----

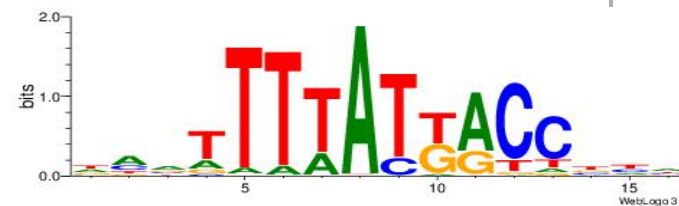
Original motif

Consensus sequence: DDVGGTMATAAAABKH



Reverse complement motif

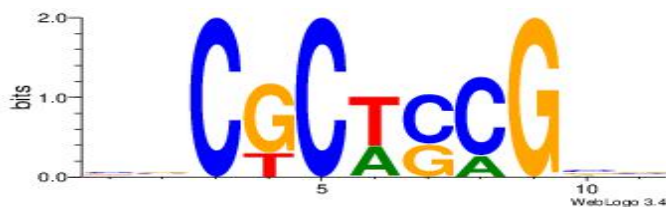
Consensus sequence: HRVTTTATYACCBDD



Dataset #: 4 **Motif ID: 72** **Motif name: ssCKCwsCGss**

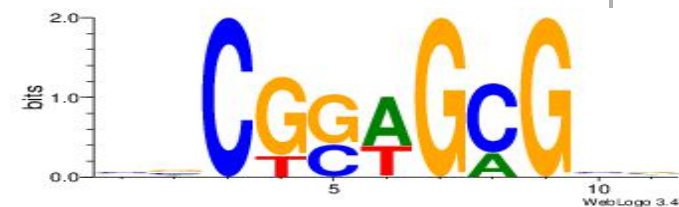
Original motif

Consensus sequence: BVCGCWSCGBV



Reverse complement motif

Consensus sequence: VBCGSWGCGVB



Best Matches for Motif ID 72 (Highest to Lowest)

Motif ID: [UP00031](#)
Motif name: Zbtb3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement

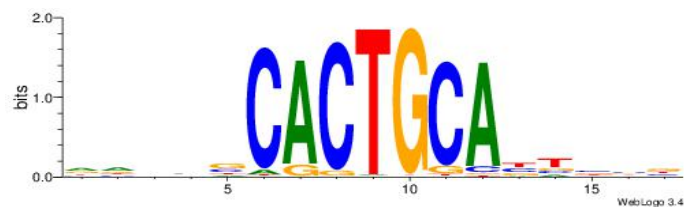
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	11
Similarity score:	0.0194352

Alignment:

```
BBBAVTGCAGTGBBVDD
---VBCGSWGCGBV---
```

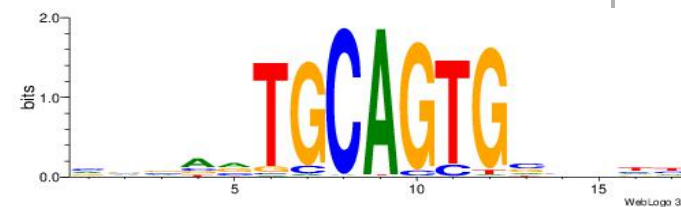
Original motif

Consensus sequence: DDBBBCACTGCABTBBB



Reverse complement motif

Consensus sequence: BBBAVTGCAGTGBBVDD



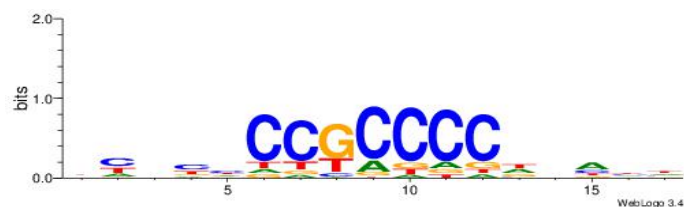
Motif ID:	UP00033
Motif name:	Zfp410_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	5
Number of overlap:	11
Similarity score:	0.0228071

Alignment:

BHHBHCCGCCCCDHHHH
-----BVCGCWSCGBV--

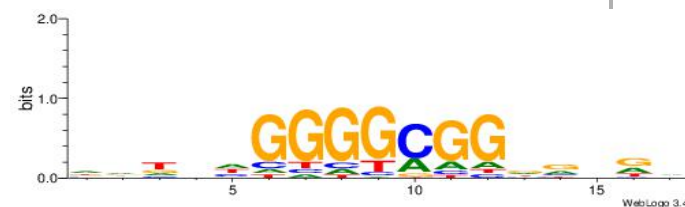
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



Motif ID:	UP00540
Motif name:	Gli3_v015681_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	7
Number of overlap:	11
Similarity score:	0.0232399

Alignment:

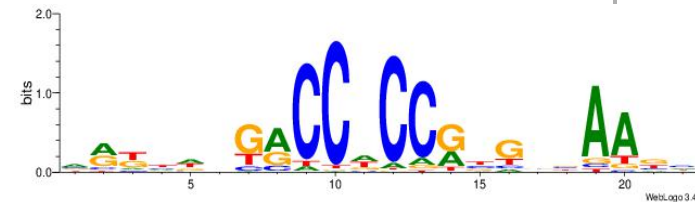
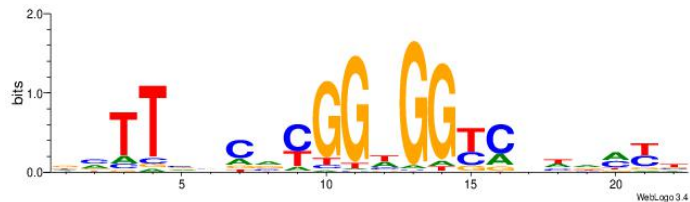
VMYDHDGMCCCHCKBGVVAHV
-----BVCGCWSCGBV-----

Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB

Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKBGVVAHV

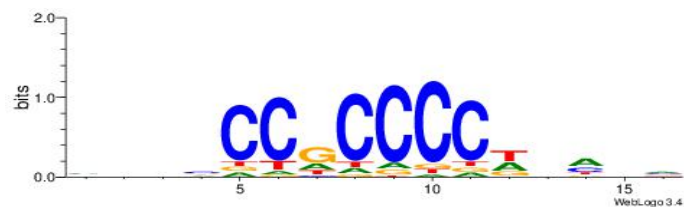


Motif ID: [UP00043](#)
 Motif name: Bcl6b_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0234478

Alignment:
 HBBBCCGCCCCWHHHV
 ---BVCGCWSCGBV--

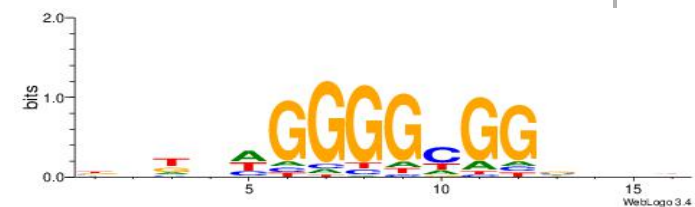
Original motif

Consensus sequence: HBBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



Motif ID: [UP00065](#)

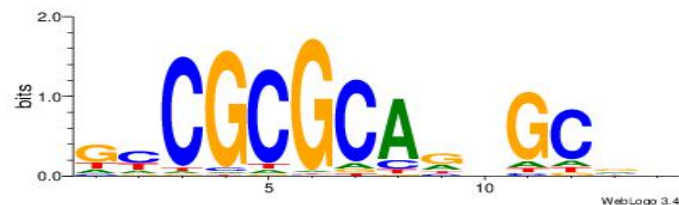
Motif name: Zfp161_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0252863

Alignment:

VVGCVMTGCGCGKC
 -VBCGSWGCGB--

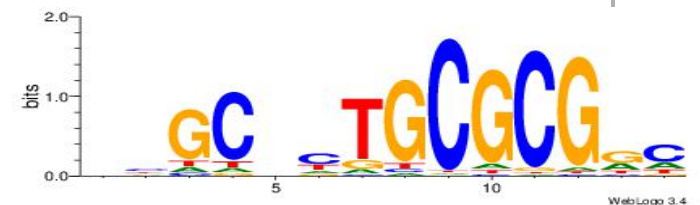
Original motif

Consensus sequence: GYCGCGCARBGCVB



Reverse complement motif

Consensus sequence: VVGCVMTGCGCGKC

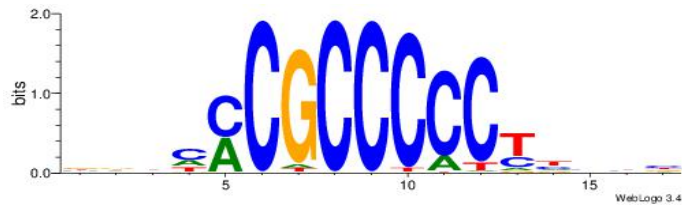


Motif ID: [UP00002](#)
 Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 11

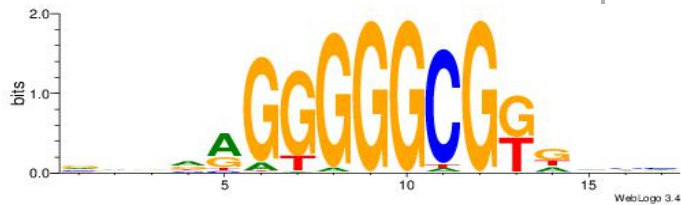
Similarity score: 0.0275921

Alignment:
BDHHMCGCCCCCTHVBB
---BVCGCWSCGBV---

Original motif
Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif
Consensus sequence: BVVHAGGGGGCGRDHHB

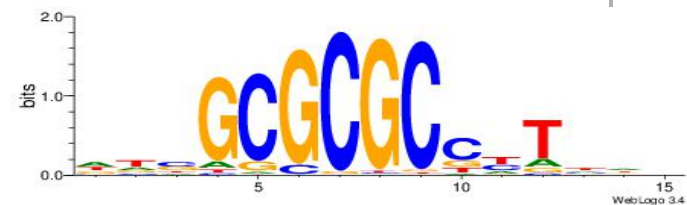
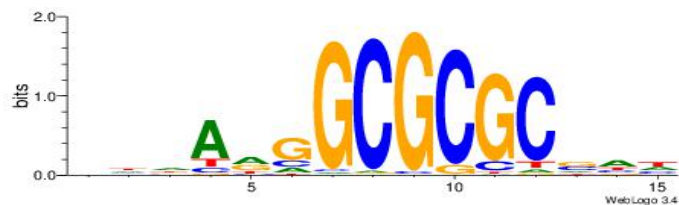


Motif ID: [UP00001](#)
Motif name: E2F2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 11
Similarity score: 0.0283575

Alignment:
HHVGCGCGCCKTDHB
--BVCGCWSCGBV--

Original motif
Consensus sequence: VHDARGGCGCGCVHH

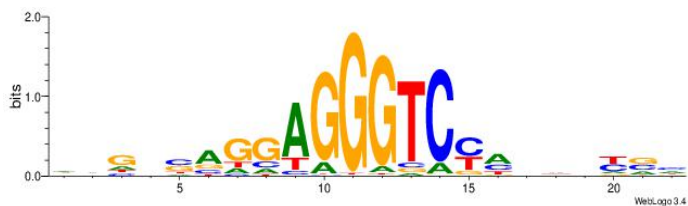
Reverse complement motif
Consensus sequence: HHVGCGCGCCKTDHB



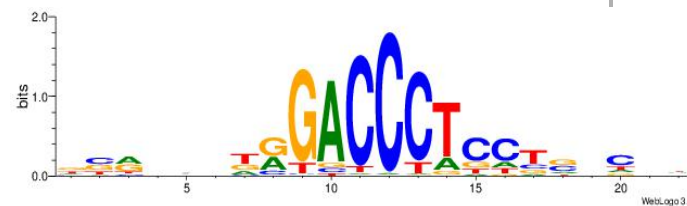
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0283837

Alignment:
 DVMHHDHKGACCCTCCTSVCBH
 -----BVCGCWSCGBV----

Original motif
 Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif
 Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



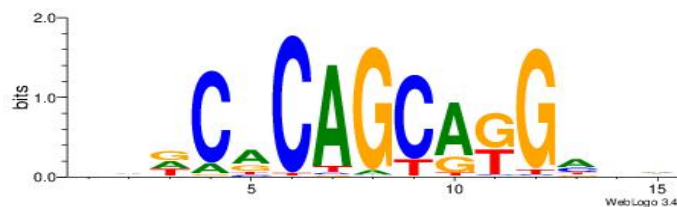
Motif ID: [UP00006](#)
 Motif name: Zic3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0285568

Alignment:

DDDCACAGCAKGHVD
 -VBCGSWGCGVB---

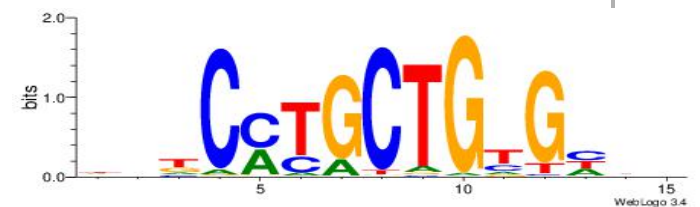
Original motif

Consensus sequence: DDDCACAGCAKGHVD



Reverse complement motif

Consensus sequence: DVHCYTGCTGTGHDH



Motif ID: [UP00057](#)
 Motif name: Zic2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2

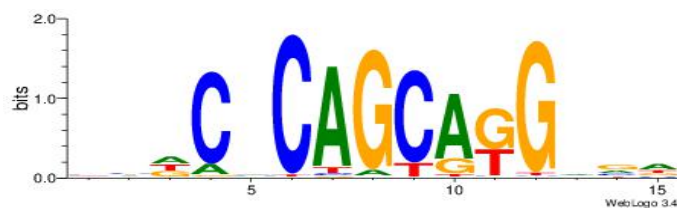
Number of overlap: 11
Similarity score: 0.0289868

Alignment:

HHDCVCAGCAKGVVD
-VBCGSWGCGB---

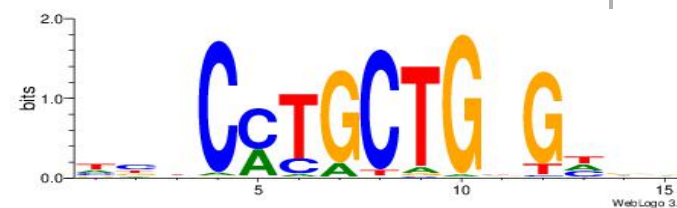
Original motif

Consensus sequence: HHDCVCAGCAKGVVD



Reverse complement motif

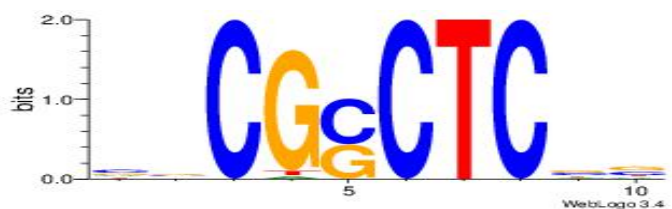
Consensus sequence: DVBCYTGCTGBGDDD



Dataset #: 4 Motif ID: 73 Motif name: ssCGsCTCss

Original motif

Consensus sequence: VVCGSCTCBB



Reverse complement motif

Consensus sequence: BBGAGSCGVV



Best Matches for Motif ID 73 (Highest to Lowest)

Motif ID: [UP00095](#)
Motif name: Zfp691_secondary
Species: Mus musculus

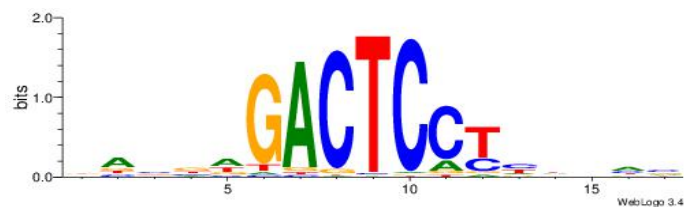
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	6
Number of overlap:	10
Similarity score:	0.00650959

Alignment:

```
VHBDDAGGAGTCWBBTD
-----BBGAGSCGVV--
```

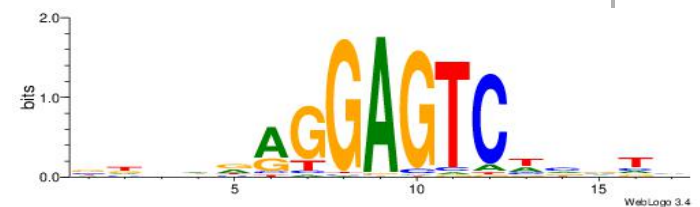
Original motif

Consensus sequence: DABBWGACTCCTHDVHV



Reverse complement motif

Consensus sequence: VHBDDAGGAGTCWBBTD



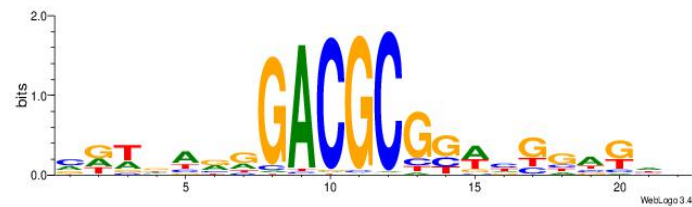
Motif ID:	UP00527
Motif name:	Foxn4_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	8
Number of overlap:	10
Similarity score:	0.00768675

Alignment:

VDWDARRGACGCGGWHGGAKHV
-----BBGAGSCGVV-----

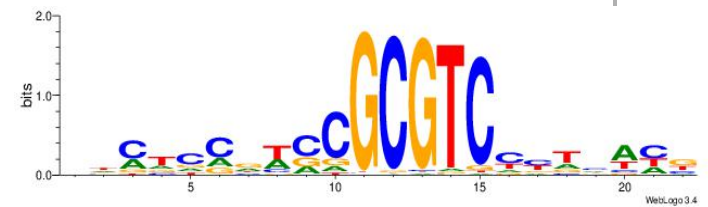
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Motif ID:	UP00002
Motif name:	Sp4_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	10
Similarity score:	0.011635

Alignment:

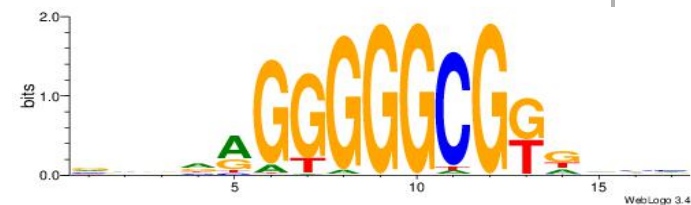
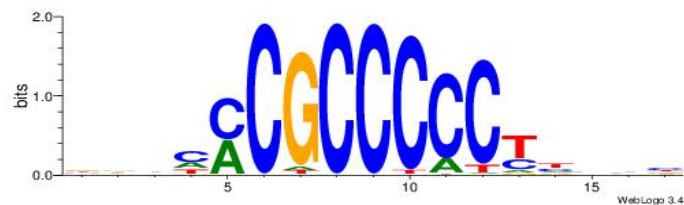
BDHHMCGCCCCCTHVBB
---VVCGSCTCBB----

Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB

Reverse complement motif

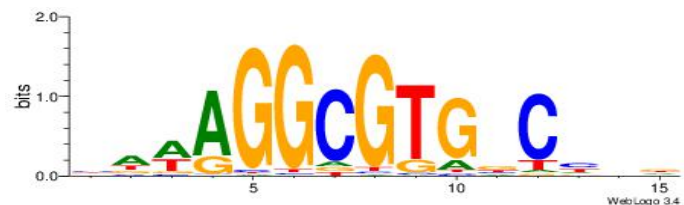
Consensus sequence: BVVHAGGGGGCGRDHHB



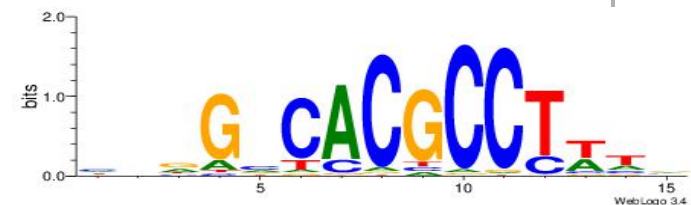
Motif ID: [UP00002](#)
 Motif name: Sp4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.014161

Alignment:
 HDDGBCACGCCTWDB
 BBGAGSCGVV-----

Original motif
 Consensus sequence: BDWAGGCGTGBCHHD



Reverse complement motif
 Consensus sequence: HDDGBCACGCCTWDB



Motif ID: [UP00001](#)
 Motif name: E2F2_secondary

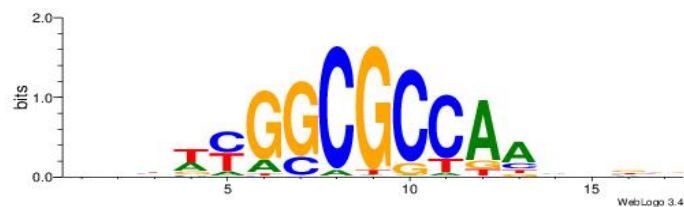
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0149491

Alignment:

BBBDTTGGCGCCKWVVD
 -----VVCGSCTCBB-

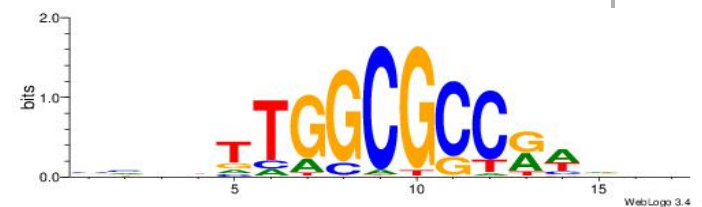
Original motif

Consensus sequence: HVBWYGGCGCCAADVBB



Reverse complement motif

Consensus sequence: BBBDTTGGCGCCKWVVD



Motif ID: [UP00000](#)
 Motif name: Smad3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0155554

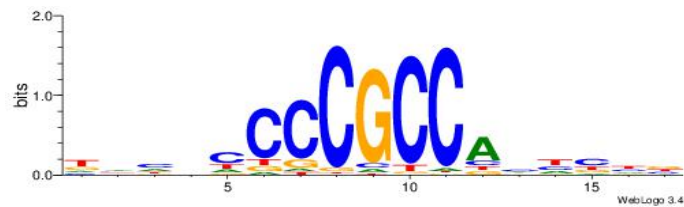
Alignment:

BHBHDTGGCGGGGBDHD

--BBGAGSCGVV-----

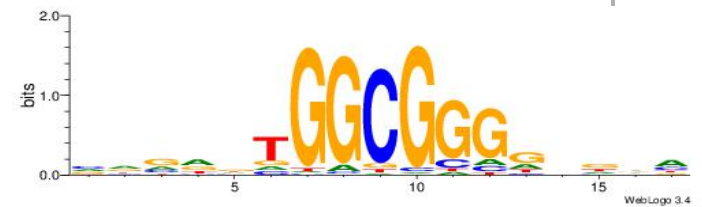
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD



Motif ID:	UP00003
Motif name:	E2F3_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	7
Number of overlap:	10
Similarity score:	0.016609

Alignment:

BBBDYTGGCGCCKWDBD

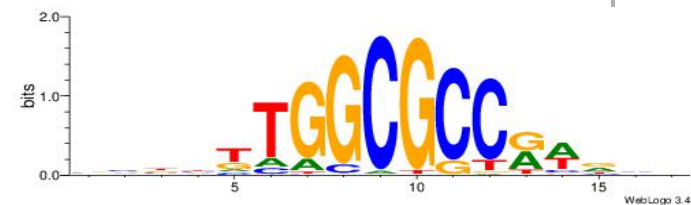
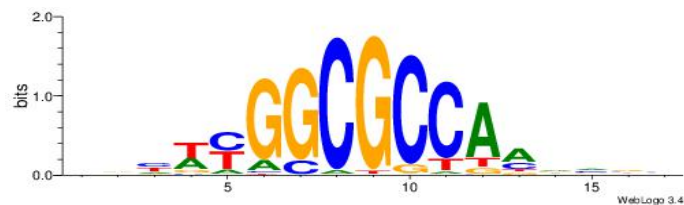
-----VVCGSCTCBB-

Original motif

Consensus sequence: HBHWYGGCGCCAMDVBB

Reverse complement motif

Consensus sequence: BBBDYTGGCGCCKWDBD

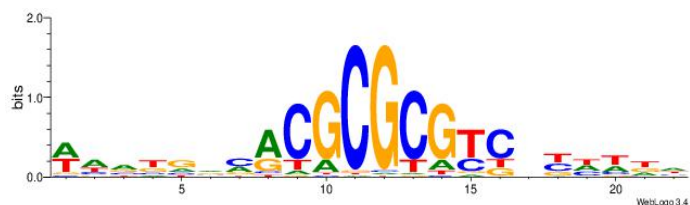


Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0169272

Alignment:
 HDWHMHGACGCGCGTRBVVBHW
 ----BBGAGSCGVV-----

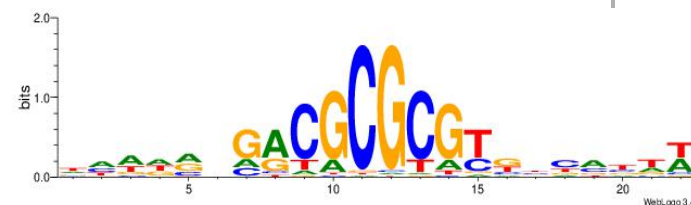
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



Motif ID: [UP00046](#)

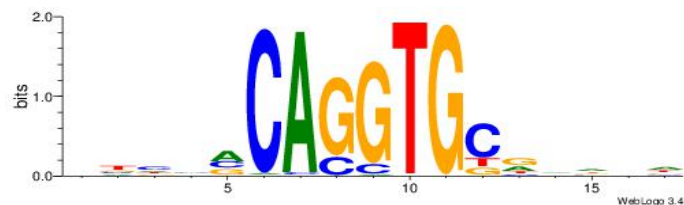
Motif name: Tcfe2a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0171375

Alignment:

DHDBHGCACCTGBDDVB
 ----VVCGSCTCBB----

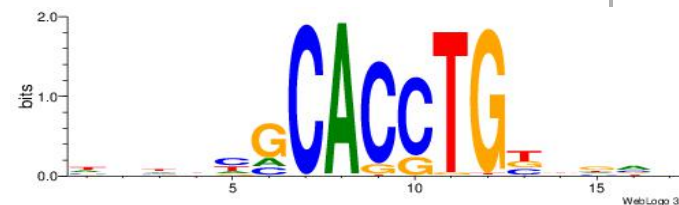
Original motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Reverse complement motif

Consensus sequence: DHDBHGCACCTGBDDVB



Motif ID: [UP00033](#)
 Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 10

Similarity score: 0.0173375

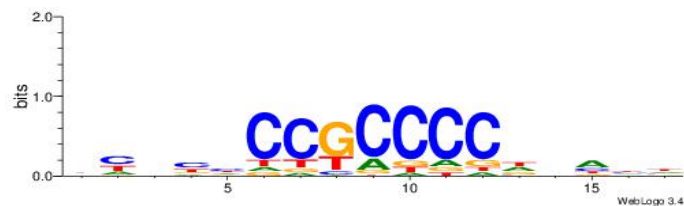
Alignment:

HHHHDGGGGCGGDBHDV

---BBGAGSCGVV----

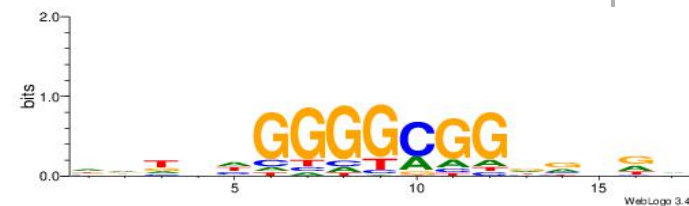
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



Dataset #: 4 **Motif ID: 74** **Motif name: twTACATAvw**

Original motif

Consensus sequence: HHTACATAVD



Reverse complement motif

Consensus sequence: DBTATGTAHH



Best Matches for Motif ID 74 (Highest to Lowest)

Motif ID: [UP00223](#)
Motif name: Irx3_2226.1
Species: Mus musculus
Matching format of first motif: Original Motif

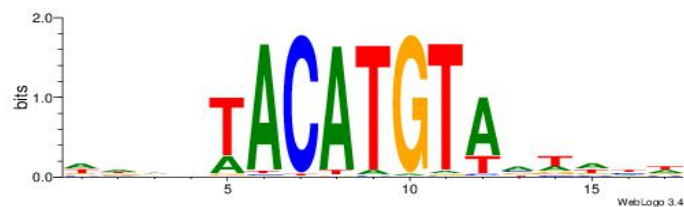
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	6
Number of overlap:	10
Similarity score:	0.0123822

Alignment:

```
DDDHTACATGTAVWDHD  
--HHTACATAVD-----
```

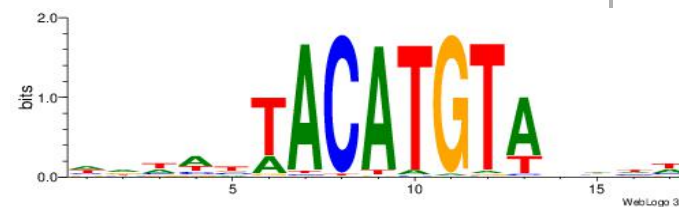
Original motif

Consensus sequence: DDDHTACATGTAVWDHD



Reverse complement motif

Consensus sequence: DHDWBTACATGTAHDDD



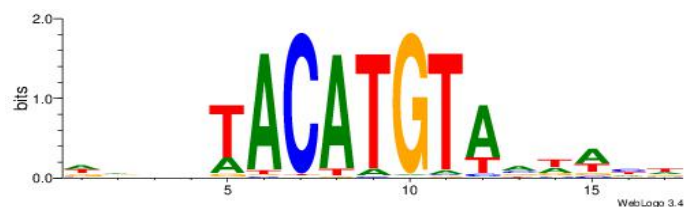
Motif ID:	UP00223
Motif name:	Irx3_0920.1
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	6
Number of overlap:	10
Similarity score:	0.0137483

Alignment:

DDDDTACATGTAVWWHD
--HHTACATAVD-----

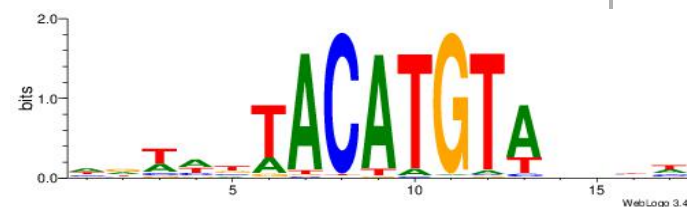
Original motif

Consensus sequence: DDDDTACATGTAVWWHD



Reverse complement motif

Consensus sequence: DDWWBTACATGTADDDD



Motif ID:	UP00236
Motif name:	Irx2
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0.0138736

Alignment:

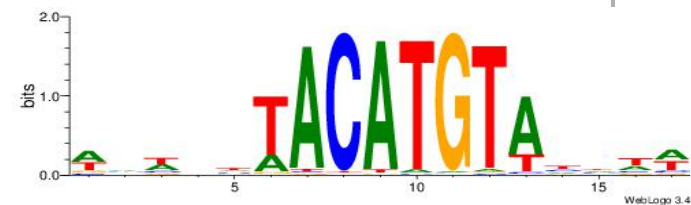
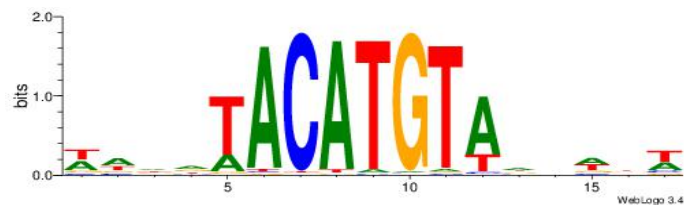
WDDDTACATGTADDWBW
----DBTATGTAHH---

Original motif

Consensus sequence: WDDDTACATGTADDWBW

Reverse complement motif

Consensus sequence: WVWDDTACATGTADDDW

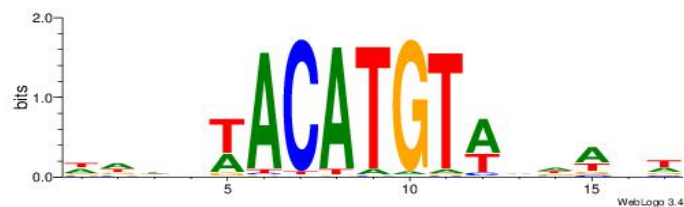


Motif ID: [UP00250](#)
 Motif name: Irx5
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0139791

Alignment:
 DDDHWACATGTWHDABW
 --HHTACATAVD-----

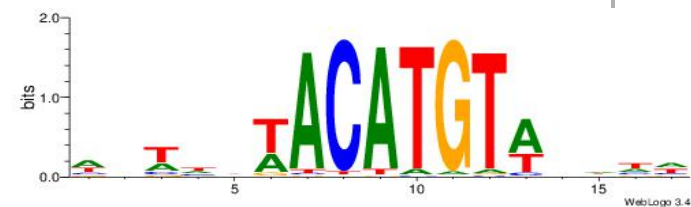
Original motif

Consensus sequence: DDDHWACATGTWHDABW



Reverse complement motif

Consensus sequence: WVTDPWACATGTWHD



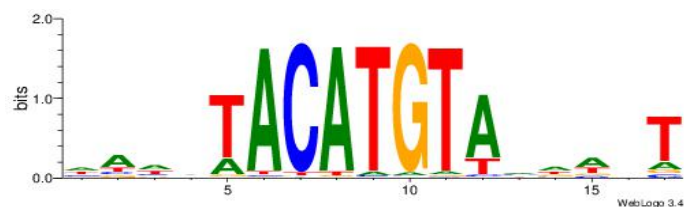
Motif ID: [UP00150](#)

Motif name: Irx6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0152254

Alignment:
 HAHDTACATGTAVDWHT
 ----DBTATGTAHH---

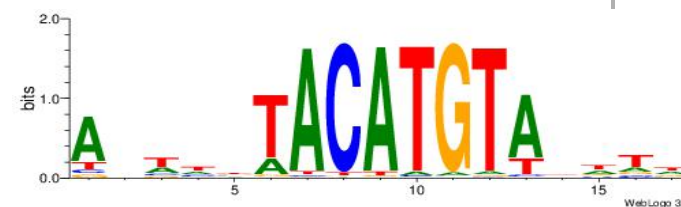
Original motif

Consensus sequence: HAHDTACATGTAVDWHT



Reverse complement motif

Consensus sequence: AHWDBTACATGTADHTH



Motif ID: [UP00194](#)
 Motif name: Irx4
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 10

Similarity score: 0.0164523

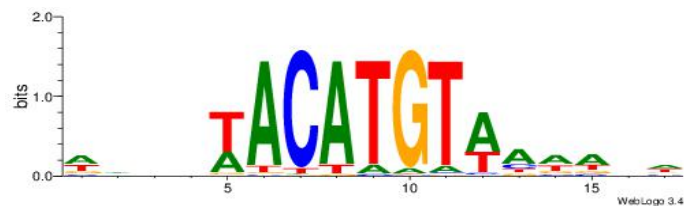
Alignment:

WDHDWACATGTWAWABD

--HHTACATAVD-----

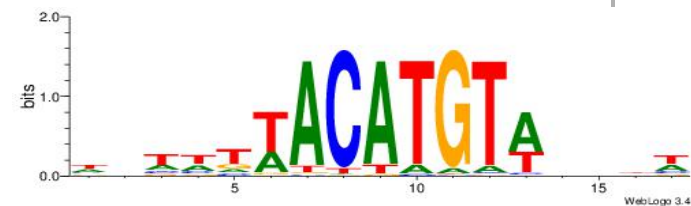
Original motif

Consensus sequence: WDHDWACATGTWAWABD



Reverse complement motif

Consensus sequence: DBTWTWACATGTWDHWD



Motif ID: [UP00191](#)
Motif name: Pou2f2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 10
Similarity score: 0.0201818

Alignment:

BHDTATGCAAATDHDV

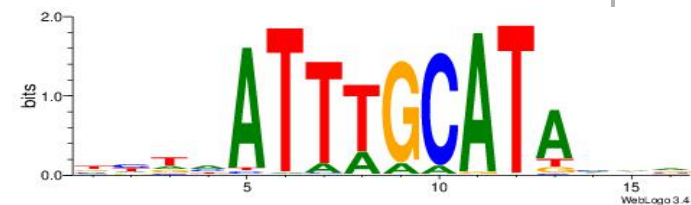
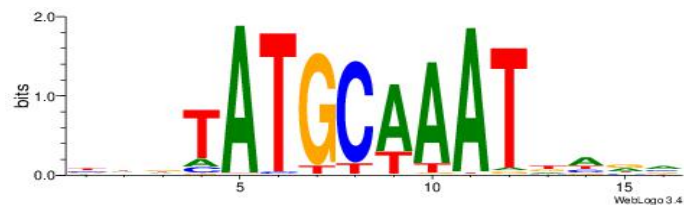
-DBTATGTAHH-----

Original motif

Consensus sequence: BHDTATGCAAATDHDV

Reverse complement motif

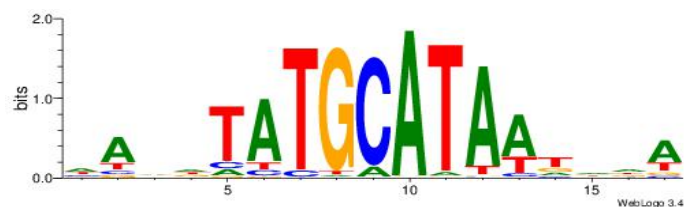
Consensus sequence: BHHDATTTGCATAHHV



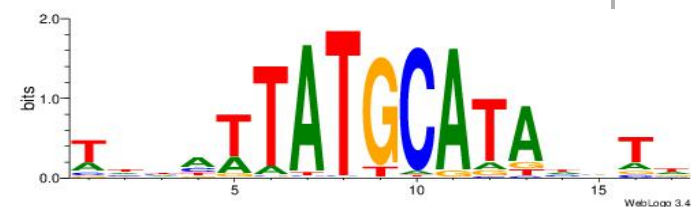
Motif ID: [UP00211](#)
 Motif name: Pou3f3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0208328

Alignment:
 TDDATTATGCATADDTH
 ---DBTATGTAHH---

Original motif
 Consensus sequence: HADDTATGCATAATDDA



Reverse complement motif
 Consensus sequence: TDDATTATGCATADDTH



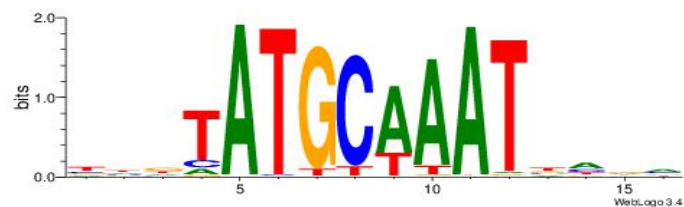
Motif ID: [UP00179](#)
 Motif name: Pou2f3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.021579

Alignment:

BHD TATGCAAATBHDV
 -DBTATGTAHH-----

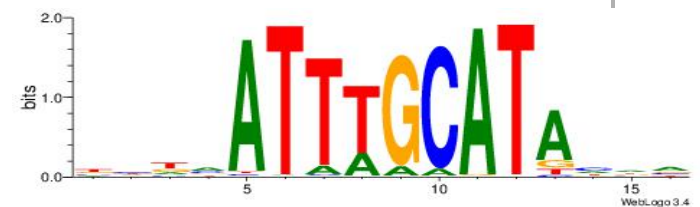
Original motif

Consensus sequence: BHD TATGCAAATBHDV



Reverse complement motif

Consensus sequence: BHHVATTTGCATAHHV



Motif ID: [UP00202](#)
 Motif name: Dlx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1

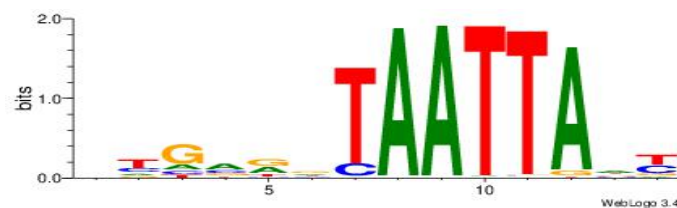
Number of overlap: 10
Similarity score: 0.022481

Alignment:

MDTAATTAHMBCHB
HHTACATAVD----

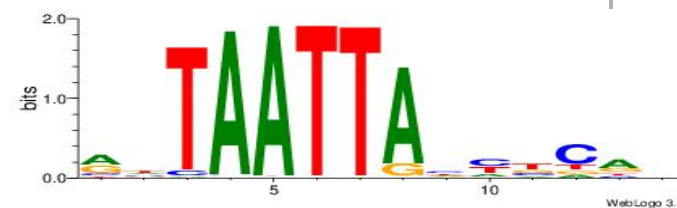
Original motif

Consensus sequence: BHGVRDTAATTADY



Reverse complement motif

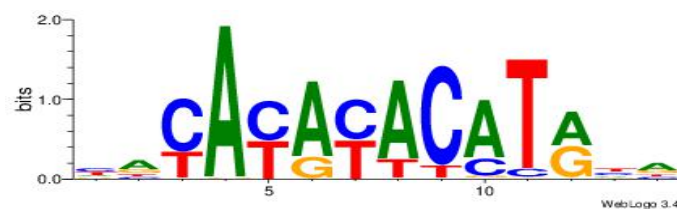
Consensus sequence: MDTAATTAHMBCHB



Dataset #: 4 **Motif ID: 75** **Motif name: yayAyAyACATrya**

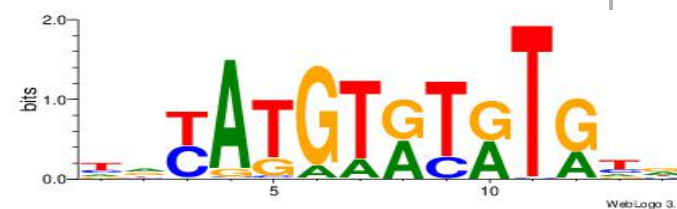
Original motif

Consensus sequence: HACAYAYACATRHD



Reverse complement motif

Consensus sequence: DHKATGKTCTGTG



Best Matches for Motif ID 75 (Highest to Lowest)

Motif ID: [UP00014](#)
Motif name: Sox17_secondary
Species: Mus musculus

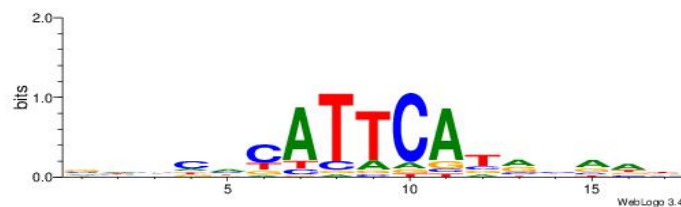
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	14
Similarity score:	0.0162651

Alignment:

```
VHBHHCATTCATRHVDD
-HACAYAYACATRHD--
```

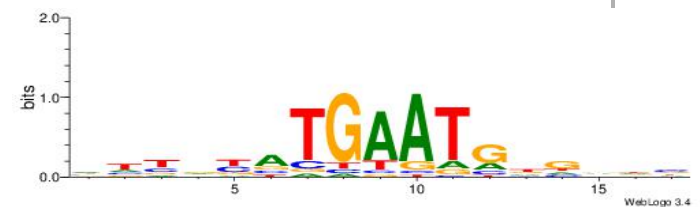
Original motif

Consensus sequence: VHBHHCATTCATRHVDD



Reverse complement motif

Consensus sequence: DDBDKATGAATGHDBHV



Motif ID:	UP00084
Motif name:	Gmeb1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	14
Similarity score:	0.0312261

Alignment:

BVVDVRYACGTRYVBHB
HACAYAYACATRHD---

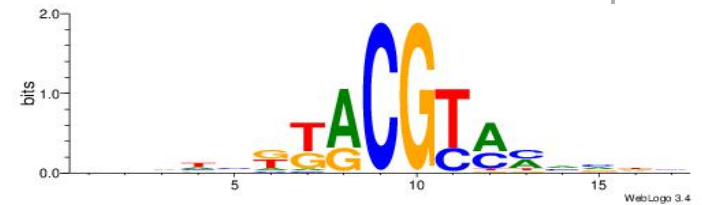
Original motif

Consensus sequence: BHBBKKACGTMMVDBVB



Reverse complement motif

Consensus sequence: BVVDVRYACGTRYVBHB



Motif ID:	UP00073
Motif name:	Foxa2_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	14
Similarity score:	0.0319641

Alignment:

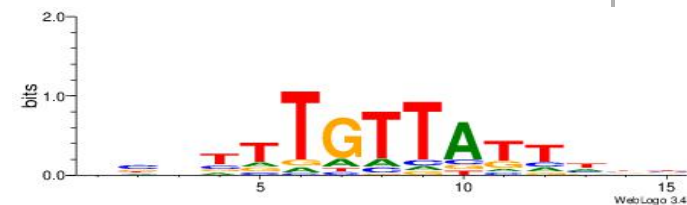
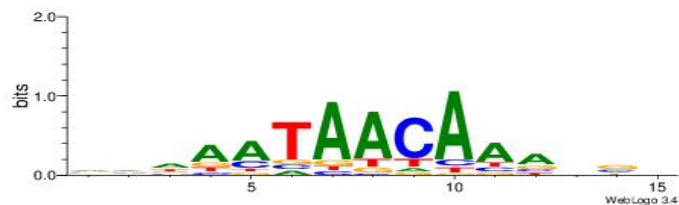
BVVT TTGTTATTDBB
-DHKATGTKTKTGT D

Original motif

Consensus sequence: VVDAATAACAAAVVB

Reverse complement motif

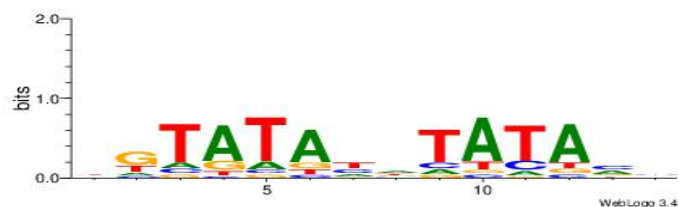
Consensus sequence: BVVT TTGTTATTDBB



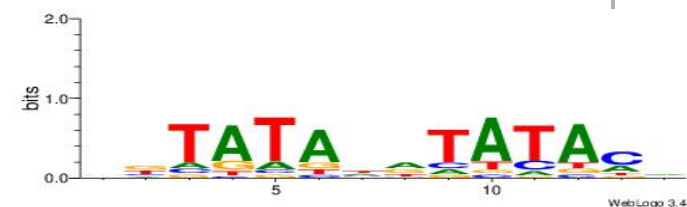
Motif ID: [UP00094](#)
 Motif name: Zfp128_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0330608

Alignment:
 DGTATAHDTATAVV
 HACAYAYACATRHD

Original motif
 Consensus sequence: DGTATAHDTATAVV



Reverse complement motif
 Consensus sequence: VVTATADHTATAACD



Motif ID: [UP00077](#)
 Motif name: Srf_secondary

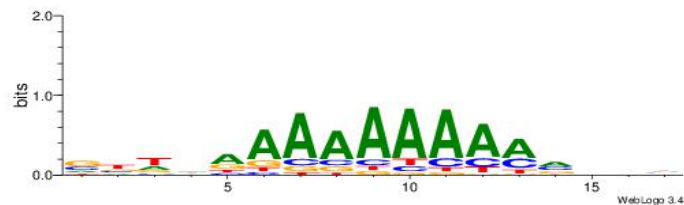
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 14
Similarity score: 0.0335825

Alignment:

HHVBYTTTTTTTDDVV
-DHKATGKTKTGTD--

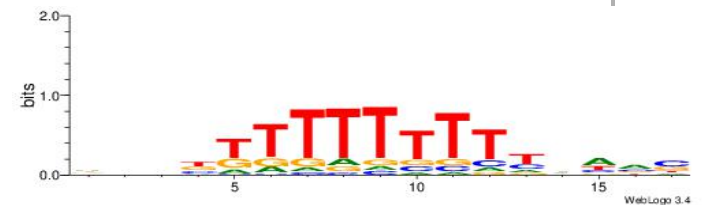
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTDDVV



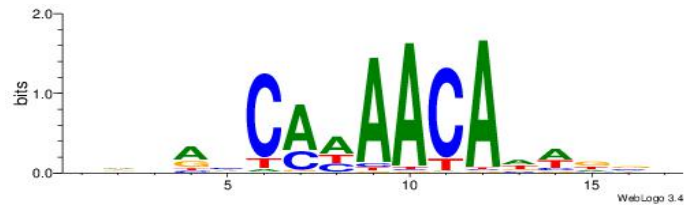
Motif ID: [UP00039](#)
Motif name: Foxj3_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 14
Similarity score: 0.0337861

Alignment:

DVHWDTGTTWTGDTBDH
-DHKATGTKTKTGTD--

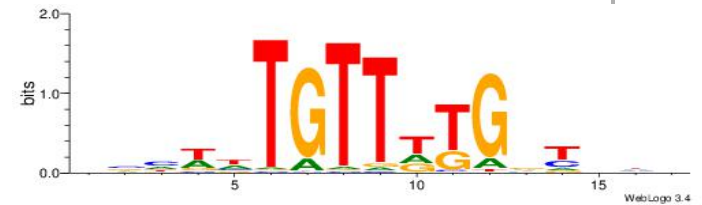
Original motif

Consensus sequence: HDBAHCAWAACADWDVD



Reverse complement motif

Consensus sequence: DVHWDTGTTWTGDTBDH



Motif ID:	UP00191
Motif name:	Pou2f2
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	14
Similarity score:	0.0342561

Alignment:

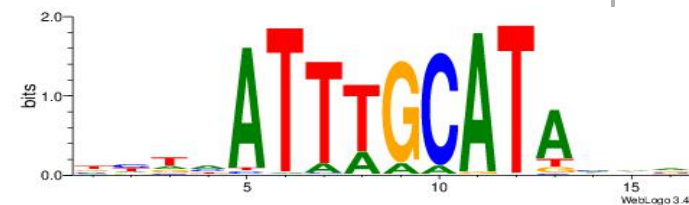
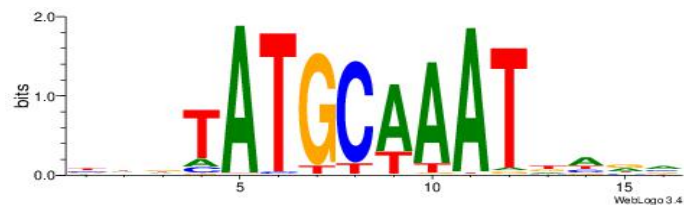
BHDTATGCAAATDHDV
-HACAYAYACATRHD-

Original motif

Consensus sequence: BHDTATGCAAATDHDV

Reverse complement motif

Consensus sequence: BHHDATTTGCATAHHV

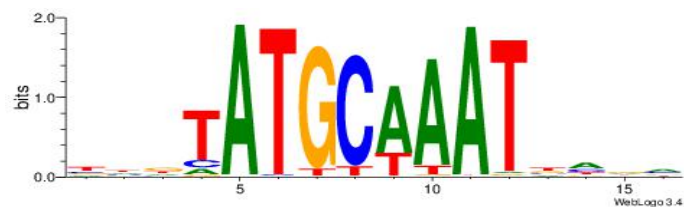


Motif ID: [UP00179](#)
 Motif name: Pou2f3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0356249

Alignment:
 BHD TATGCAAAT BHDV
 -HACAYAYACATRHD-

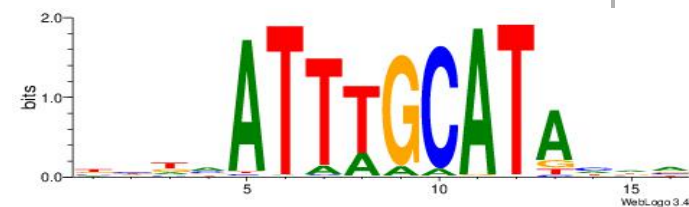
Original motif

Consensus sequence: BHD TATGCAAAT BHDV



Reverse complement motif

Consensus sequence: BHHVATTTGCATAHHV



Motif ID: [UP00026](#)

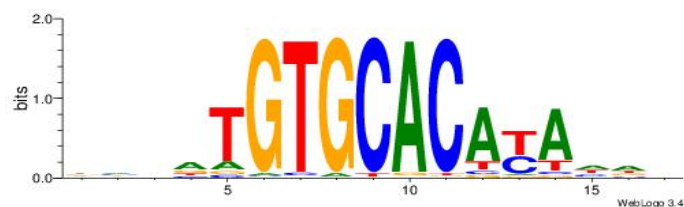
Motif name: Zscan4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0359941

Alignment:

DHVDTGTGCACAYAHDH
 --HACAYAYACATRHD--

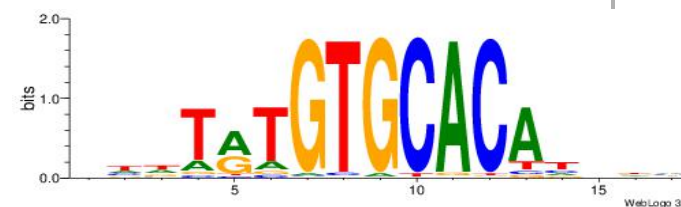
Original motif

Consensus sequence: DHVDTGTGCACAYAHDH



Reverse complement motif

Consensus sequence: HDHTMTGTGCACADVHD



Motif ID: [UP00037](#)
 Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 14

Similarity score: 0.0382701

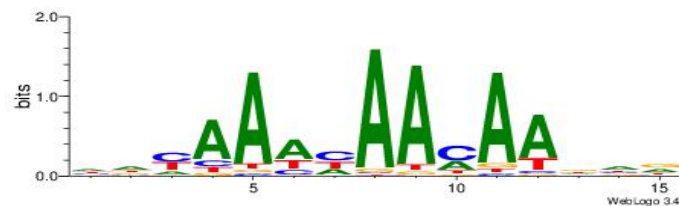
Alignment:

HHHTTRTTDTTTKDH

DHKATGTKTKTGTD-

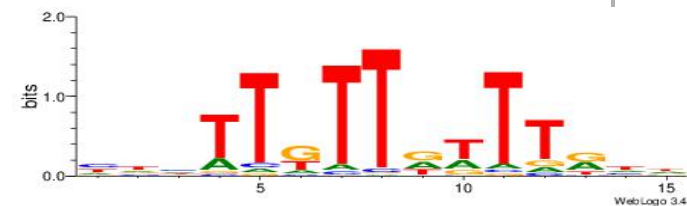
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTTRTTDTTTKDH



Dataset #: 4 **Motif ID: 76** **Motif name: wwWAAAAAwa**

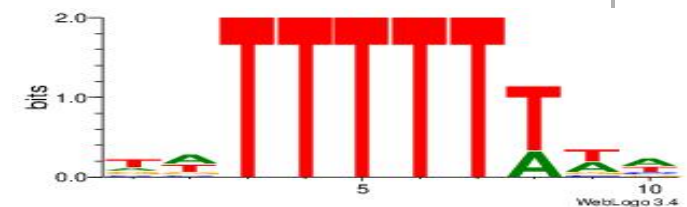
Original motif

Consensus sequence: WWAAAAAAWH



Reverse complement motif

Consensus sequence: HWTTTTTTWW



Best Matches for Motif ID 76 (Highest to Lowest)

Motif ID:	UP00077
Motif name:	Srf_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement

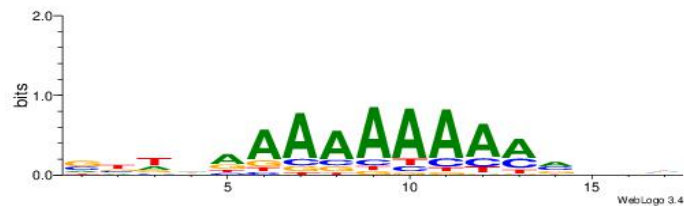
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0

Alignment:

```
HHVBYTTTTTTTDDVV
----HWTTTTTTWW----
```

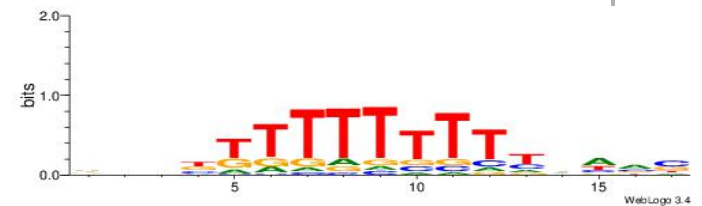
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTDDVV



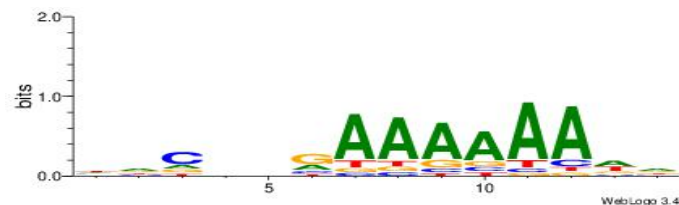
Motif ID:	UP00028
Motif name:	Tcfap2e_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	10
Similarity score:	0.00191846

Alignment:

HDCDBRAAAAAADD
----WWAAAAAAWH

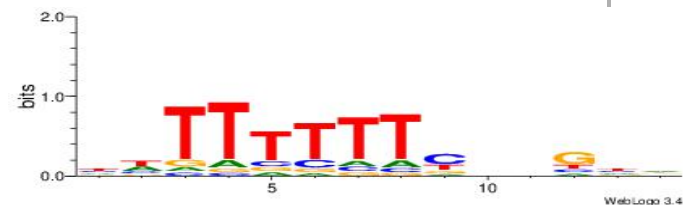
Original motif

Consensus sequence: HDCDBRAAAAAADD



Reverse complement motif

Consensus sequence: DDTTTTTTMBDGDH



Motif ID: [UP00090](#)
Motif name: Elf3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 10
Similarity score: 0.00226308

Alignment:

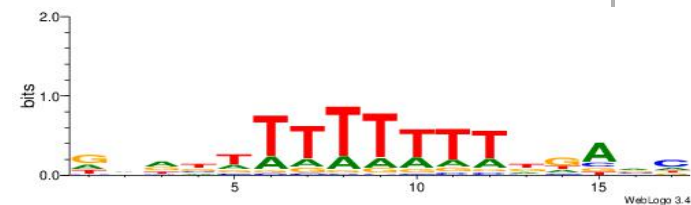
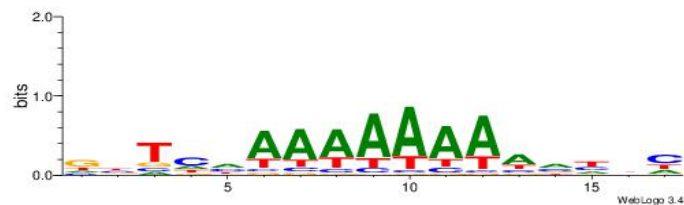
DBTHHAAAAAAAVH
----WWAAAAAAWH----

Original motif

Consensus sequence: DBTHHAAAAAAAVH

Reverse complement motif

Consensus sequence: DDHBTTTTTTTTHDAV

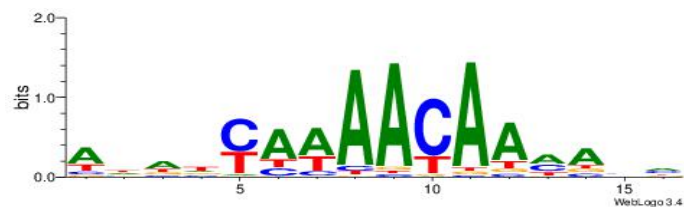


Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.00489973

Alignment:
 HDTYTTGTTWTKDDDT
 --HWT TTTT TWW----

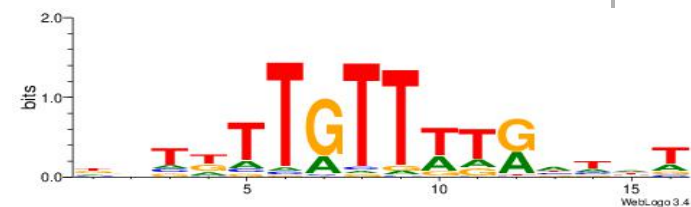
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT

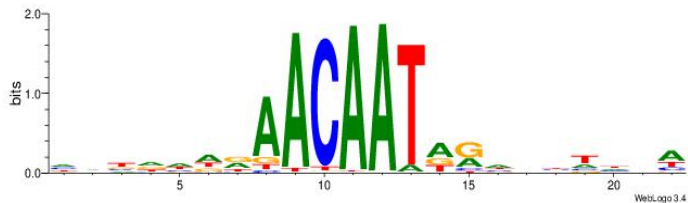


Motif ID: [UP00034](#)

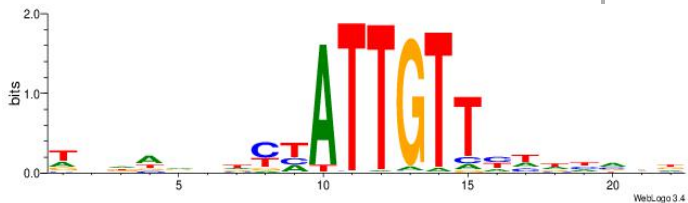
Motif name: Sox7_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 9
Number of overlap: 10
Similarity score: 0.00607286

Alignment:
HHBDHDDAACAATDRHHHHHBW
----WWAAAAAAWH-----

Original motif
Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif
Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



Motif ID: [UP00180](#)
Motif name: Hoxd13
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 10

Similarity score: 0.0064777

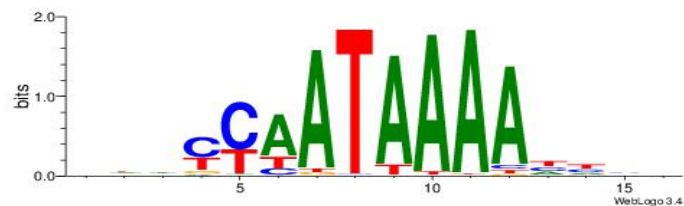
Alignment:

HDHHTTTTATTKKHDD

--HWTTTTTTW----

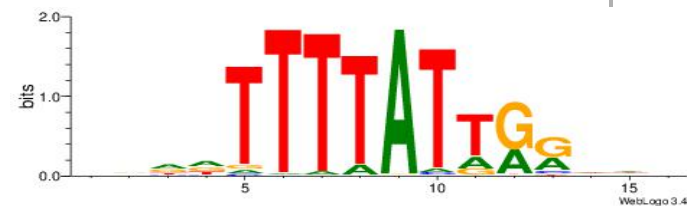
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD



Motif ID: [UP00037](#)
Motif name: Zfp105_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 10
Similarity score: 0.00782136

Alignment:

HDYAAHAAMAADHD

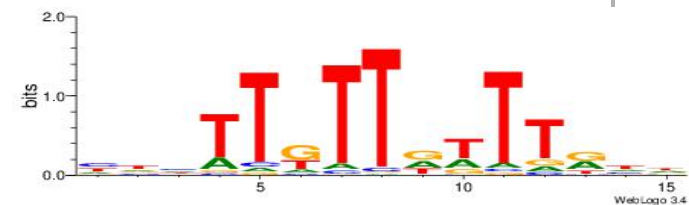
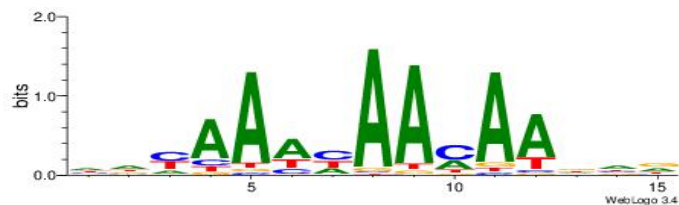
----WWAAAAAAWH-

Original motif

Consensus sequence: HDYAAHAAMAADHD

Reverse complement motif

Consensus sequence: HHTTRTTDTTTKDH



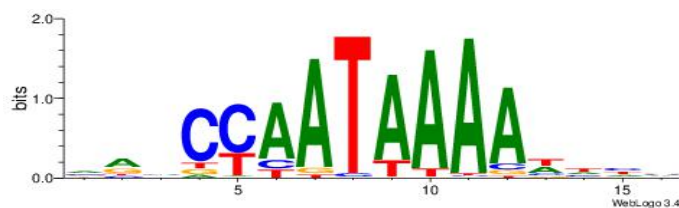
Motif ID: [UP00134](#)
 Motif name: Hoxb13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.00834591

Alignment:

VDHWT TTTATTGGDKB
 --HWT TTTTWW----

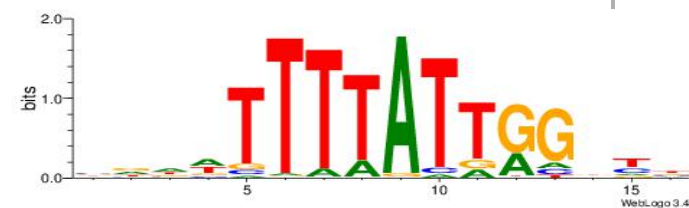
Original motif

Consensus sequence: VRHCCAATAAAWHHV



Reverse complement motif

Consensus sequence: VDHWT TTTATTGGDKB



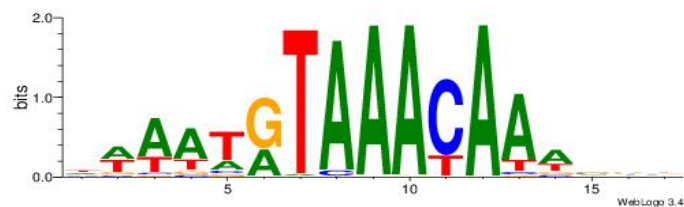
Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0105446

Alignment:

VVVWTTGTTTAMATTWD
 ---HWT TTTT TW----

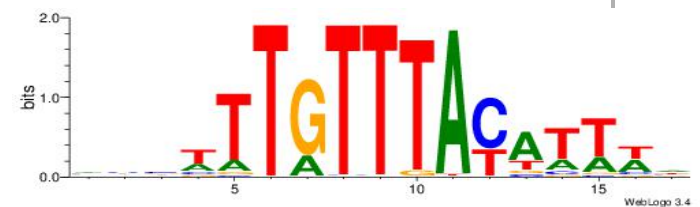
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



Motif ID: [UP00101](#)
 Motif name: Sox12_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4

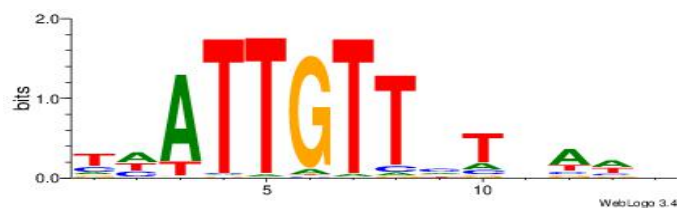
Number of overlap: 10
Similarity score: 0.0107849

Alignment:

DWTHAVAACAATHA
---WWAAAAAAWH-

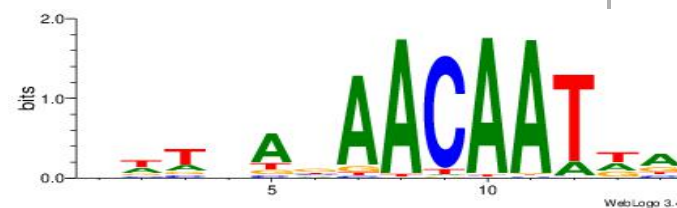
Original motif

Consensus sequence: THATTGTTVTHAWH



Reverse complement motif

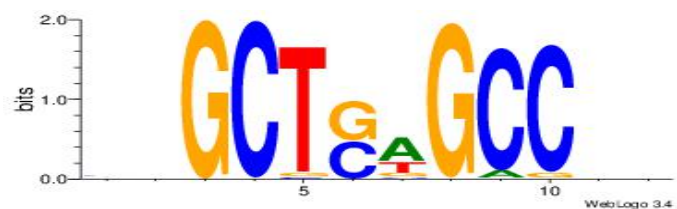
Consensus sequence: DWTHAVAACAATHA



Dataset #: 4 **Motif ID: 77** **Motif name: ssGCTswGCCms**

Original motif

Consensus sequence: VBGCTSAGCCHB



Reverse complement motif

Consensus sequence: BDGGCTSAGCBV



Best Matches for Motif ID 77 (Highest to Lowest)

Motif ID: [UP00028](#)
Motif name: Tcfap2e_primary
Species: Mus musculus

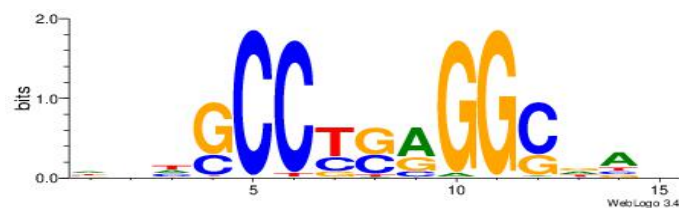
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	12
Similarity score:	0.0178468

Alignment:

```
DTHGCCTSAGGCHHH
--VBGCTSAGCCHB--
```

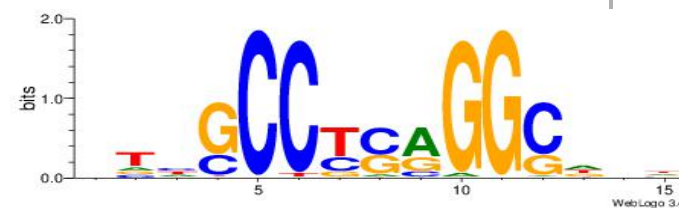
Original motif

Consensus sequence: HHHGCCTSAGGCDAD



Reverse complement motif

Consensus sequence: DTHGCCTSAGGCHHH



Motif ID:	UP00031
Motif name:	Zbtb3_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	12
Similarity score:	0.0257906

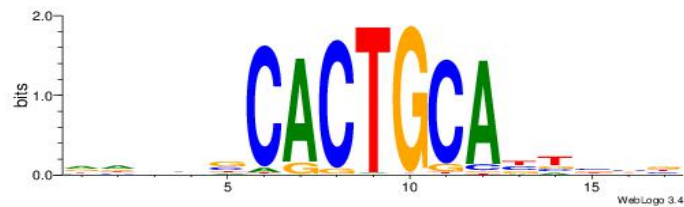
Alignment:

DDBBBCACTGCABTBBB

--VBGCTSAGCCHB---

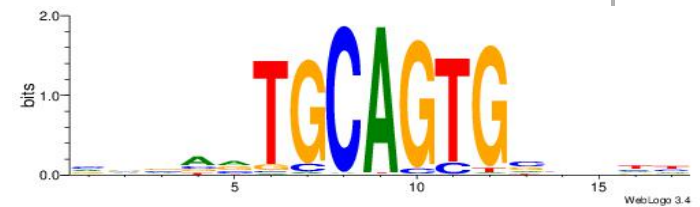
Original motif

Consensus sequence: DDBBBCACTGCABTBBB



Reverse complement motif

Consensus sequence: BBBAVTGCAGTGBBVDD



Motif ID:	UP00265
Motif name:	Pitx3
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	12
Similarity score:	0.0262176

Alignment:

VGGGGGATTAGCDDBC

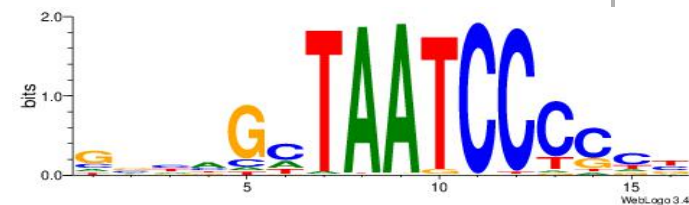
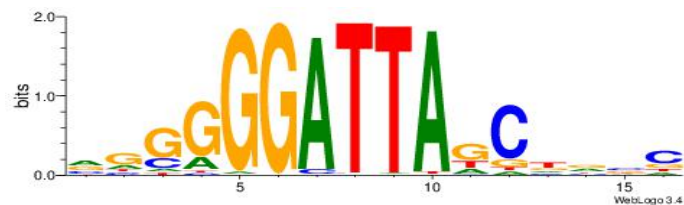
--BDGGCTSAGCBV--

Original motif

Consensus sequence: VGGGGGATTAGCDDBC

Reverse complement motif

Consensus sequence: GBHDGCTAATCCCCCB

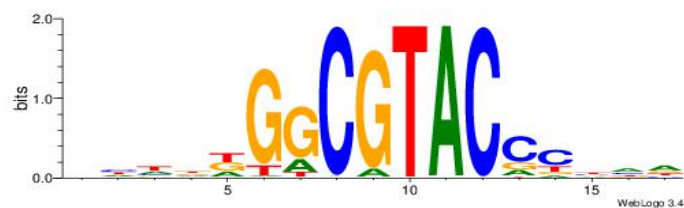


Motif ID: [UP00094](#)
 Motif name: Zfp128_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0265413

Alignment:
 BHHDKGGCGTACCCBHD
 ---BDGGCTSAGCBV--

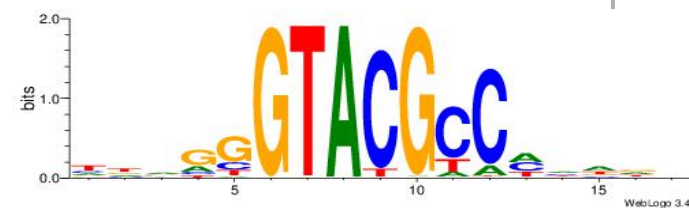
Original motif

Consensus sequence: BHHDKGGCGTACCCBHD



Reverse complement motif

Consensus sequence: DHVGGGTACGCCRDHDV



Motif ID: [UP00000](#)

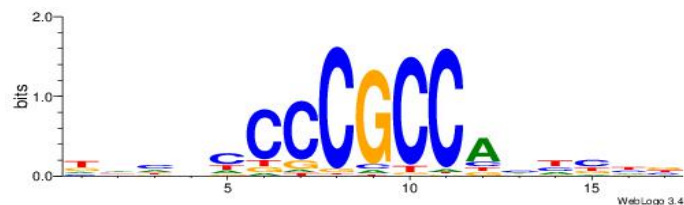
Motif name: Smad3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0265988

Alignment:

DHHBCCCCGCCAHHBHB
 -VBGCTSAGCCHB----

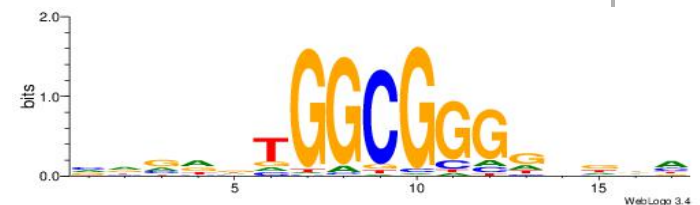
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD



Motif ID: [UP00087](#)
 Motif name: Tcfap2c_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 12

Similarity score: 0.0295577

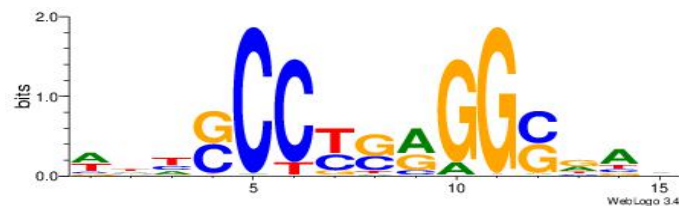
Alignment:

DTHSCCKSMGGSHHW

--VBGCTSAGCCHB-

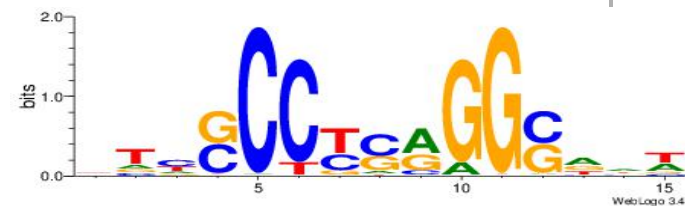
Original motif

Consensus sequence: WHHSCCYSRGGSDAD



Reverse complement motif

Consensus sequence: DTHSCCKSMGGSHHW



Motif ID: [UP00009](#)
Motif name: Nr2f2_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 12
Similarity score: 0.0296351

Alignment:

VBVBCSGGGTCAVBBH

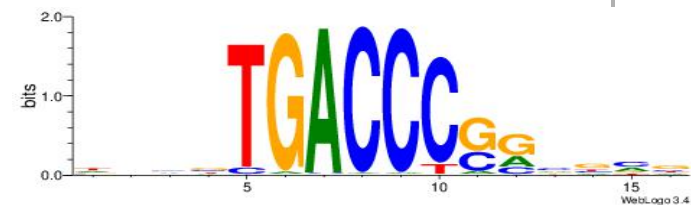
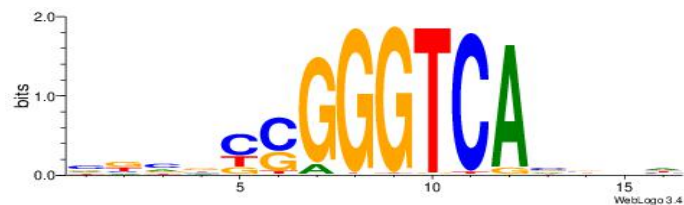
----BDGGCTSAGCBV

Original motif

Consensus sequence: VBVBCSGGGTCAVBBH

Reverse complement motif

Consensus sequence: HVBVTGACCCSGBVBV

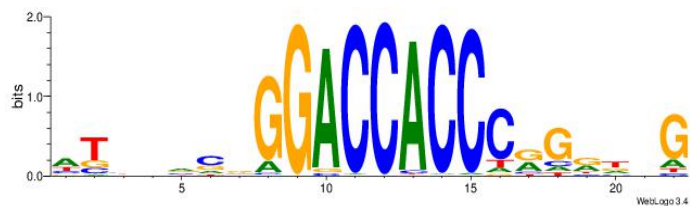


Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 12
 Similarity score: 0.0298391

Alignment:
 CBDMCMGGGTGGTCCHVBVBAH
 -----VBGCTSAGCCHB-----

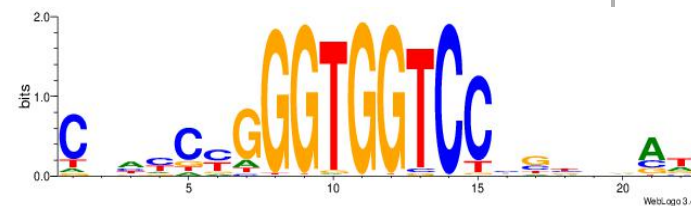
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



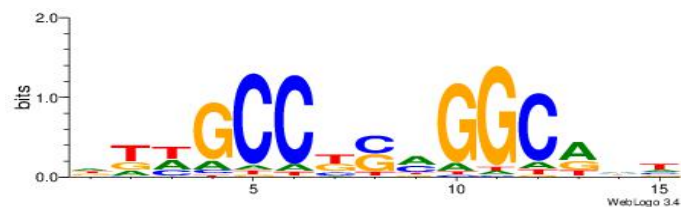
Motif ID: [UP00010](#)
 Motif name: Tcfap2b_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0307842

Alignment:

HHKGCCYSRGGCWAD
 -BDGGCTSAGCBV--

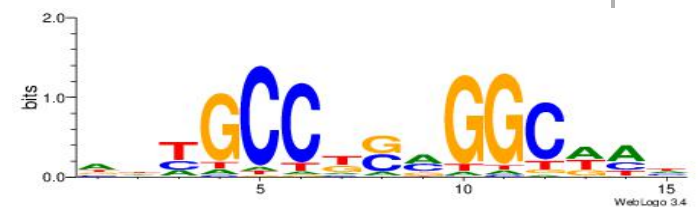
Original motif

Consensus sequence: DTWGCKSMGGCRHH



Reverse complement motif

Consensus sequence: HHKGCCYSRGGCWAD



Motif ID: [UP00176](#)
 Motif name: Crx
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5

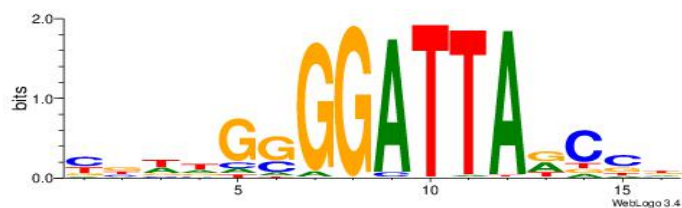
Number of overlap: 12
Similarity score: 0.0313858

Alignment:

YBWDGGGGATTARCCD
----BDGGCTSAGCBV

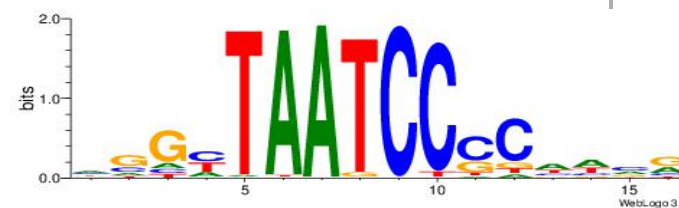
Original motif

Consensus sequence: YBWDGGGGATTARCCD



Reverse complement motif

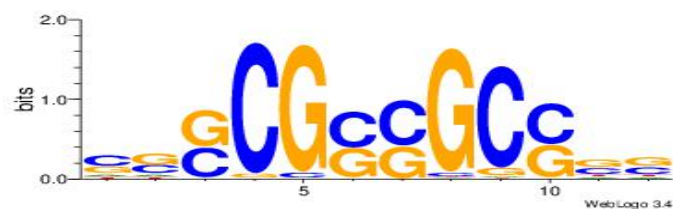
Consensus sequence: DGGMTAATCCCCDWBK



Dataset #: 4 **Motif ID: 78** **Motif name: sssCGssGCsss**

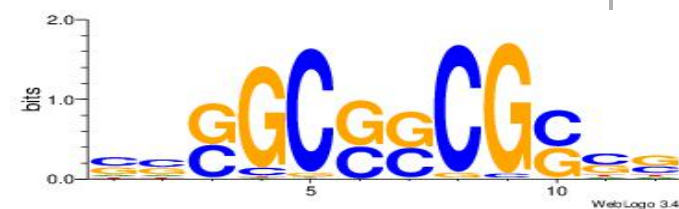
Original motif

Consensus sequence: SSSCGSSGCSSS



Reverse complement motif

Consensus sequence: SSSGCSSCGSSS



Best Matches for Motif ID 78 (Highest to Lowest)

Motif ID: [UP00088](#)
Motif name: Plagl1_primary
Species: Mus musculus

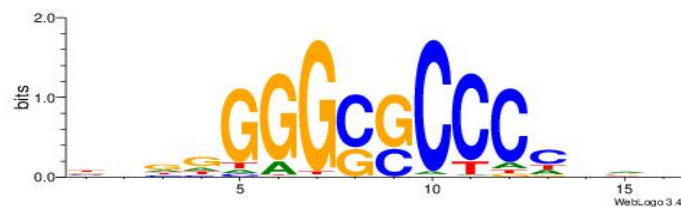
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	12
Similarity score:	0.0237651

Alignment:

```
BHDGGGGSSCCCCBVV
-SSSCGSSGCSSS---
```

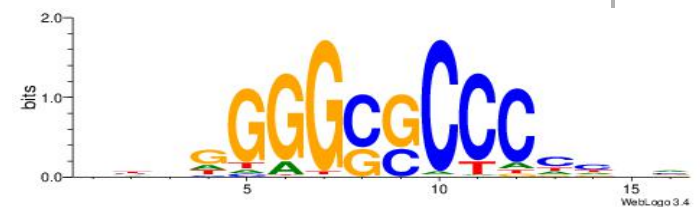
Original motif

Consensus sequence: BHDGGGGSSCCCCBVV



Reverse complement motif

Consensus sequence: VBVGGGGSSCCCCHHV



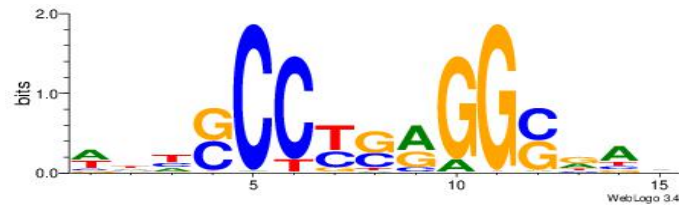
Motif ID:	UP00087
Motif name:	Tcfap2c_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	12
Similarity score:	0.0238341

Alignment:

DTHSCCKSMGGSHHW
--SSSCGSSGCSSS--

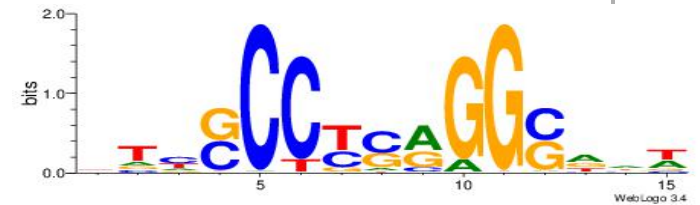
Original motif

Consensus sequence: WHHSCCYSRGGSDAD



Reverse complement motif

Consensus sequence: DTHSCCKSMGGSHHW



Motif ID:	UP00539
Motif name:	Gli2_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	12
Similarity score:	0.0241911

Alignment:

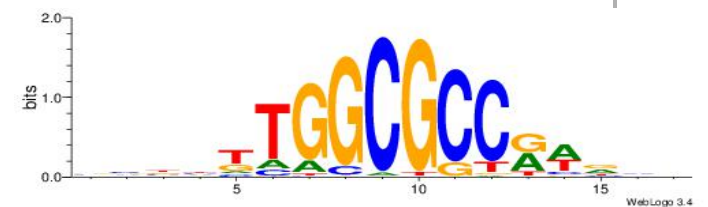
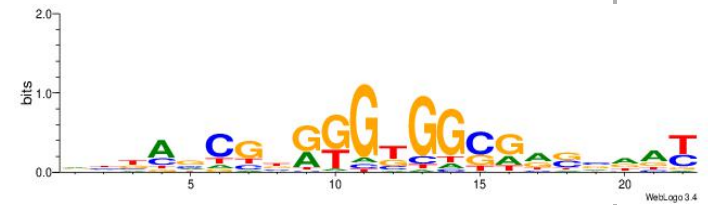
HDBABCGBKRGYGGCGMSBHAK
-----SSSGCSSCGSSS----

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

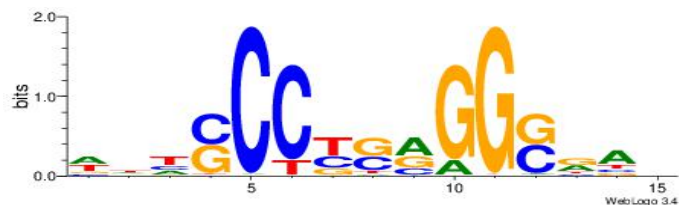


Motif name: Tcfap2a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0268388

Alignment:
 DTMSCCKSMGGSHDW
 --SSSCGSSGCSSS-

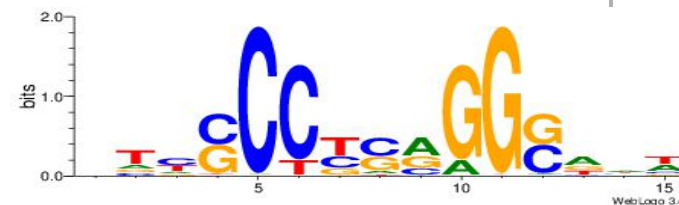
Original motif

Consensus sequence: WDHSCCYSRGGSRAD



Reverse complement motif

Consensus sequence: DTMSCCKSMGGSHDW

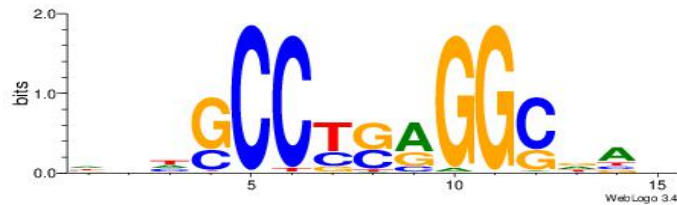


Motif ID: [UP00028](#)
 Motif name: Tcfap2e_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 12

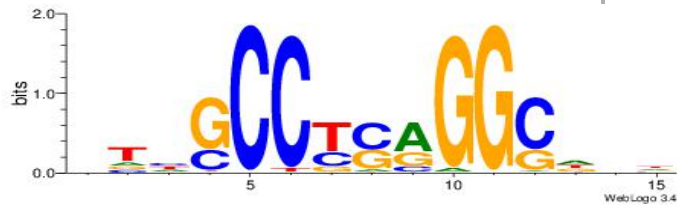
Similarity score: 0.0276439

Alignment:
DTHGCCTSAGGCHHH
--SSSCGSSGCSSS--

Original motif
Consensus sequence: HHHGCCTSAGGCDAD



Reverse complement motif
Consensus sequence: DTHGCCTSAGGCHHH

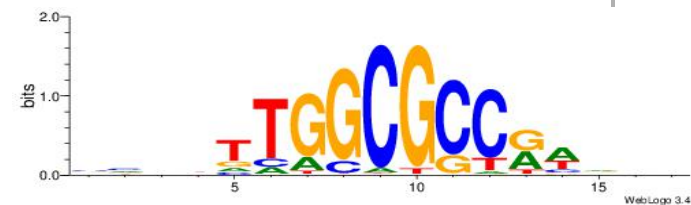
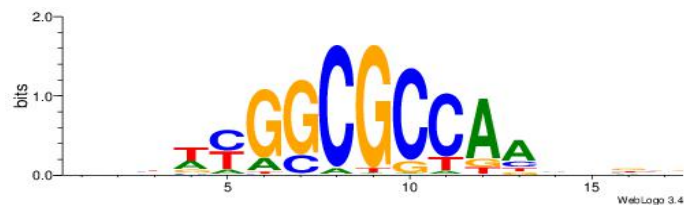


Motif ID: [UP00001](#)
Motif name: E2F2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 12
Similarity score: 0.0277305

Alignment:
HVBWYGGCGCCAADVBB
----SSSCGSSGCSSS--

Original motif
Consensus sequence: HVBWYGGCGCCAADVBB

Reverse complement motif
Consensus sequence: BBBDTTGGCGCCKWVVD



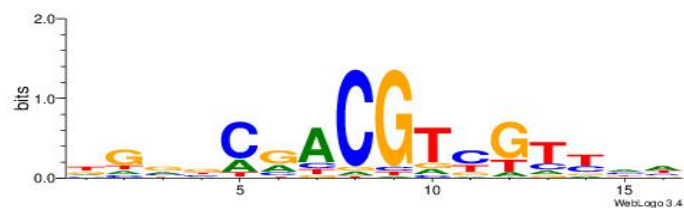
Motif ID: [UP00084](#)
 Motif name: Gmeb1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0282791

Alignment:

HHMACKACGTMGBVCD
 ----SSSCGSSGCSSS

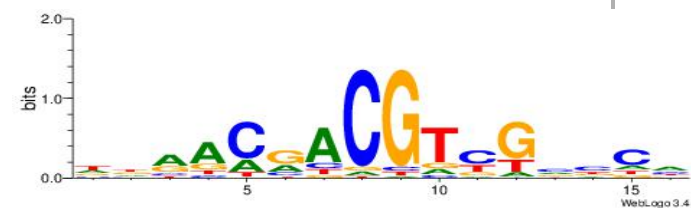
Original motif

Consensus sequence: DGVBCRACGTYGTYHH



Reverse complement motif

Consensus sequence: HHMACKACGTMGBVCD



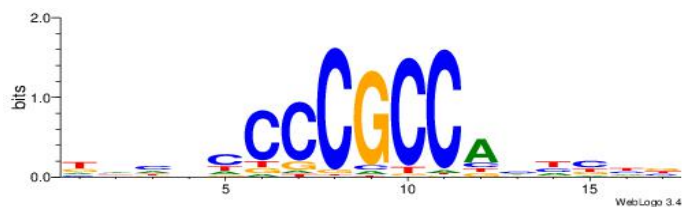
Motif ID: [UP00000](#)
 Motif name: Smad3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0288849

Alignment:

BHBHDTGGCGGGBDHD
 ----SSSGCSSCGSSS-

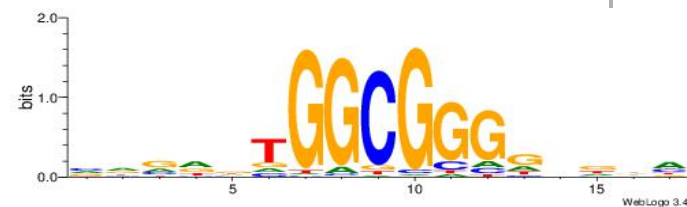
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGBDHD



Motif ID: [UP00002](#)
 Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

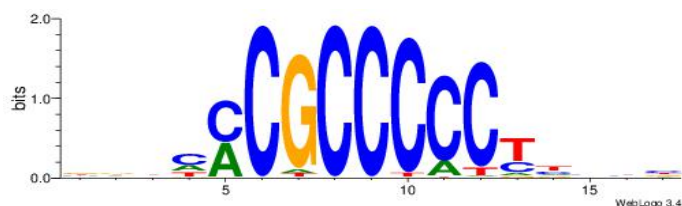
Number of overlap: 12
Similarity score: 0.0327414

Alignment:

BDHHMCGCCCCCTHVBB
--SSSCGSSGCSSS---

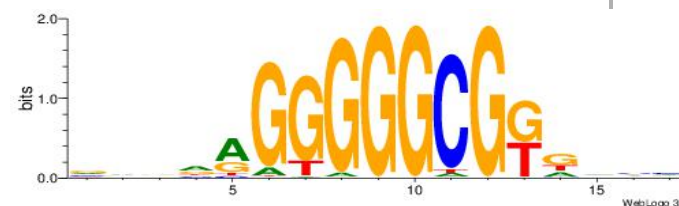
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

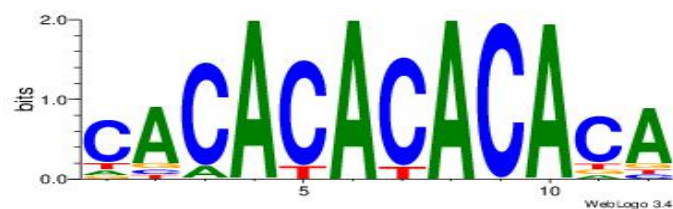
Consensus sequence: BVVHAGGGGGCGRDHHB



Dataset #: 4 Motif ID: 79 Motif name: CACACACACACA

Original motif

Consensus sequence: CACACACACACA



Reverse complement motif

Consensus sequence: TGTGTGTGTGTG



Best Matches for Motif ID 79 (Highest to Lowest)

Motif ID: [UP00042](#)
Motif name: Gm397_second
Species: Mus musculus

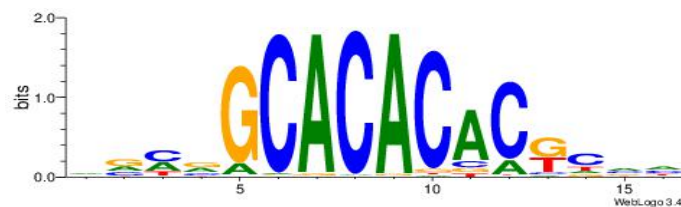
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	12
Similarity score:	0

Alignment:

```
HBGYGTGTGTGCVRVD
-TGTGTGTGTGTG---
```

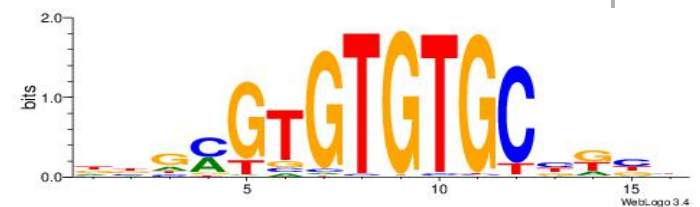
Original motif

Consensus sequence: DVMVGCACACACKCVH



Reverse complement motif

Consensus sequence: HBGYGTGTGTGCVRVD



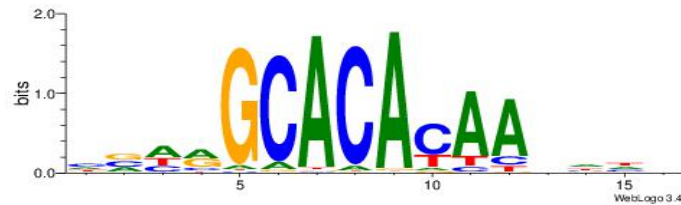
Motif ID:	UP00026
Motif name:	Zscan4_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	12
Similarity score:	0.0209738

Alignment:

BHHHTTGTGTGCKHVD
---TGTGTGTGTGTG--

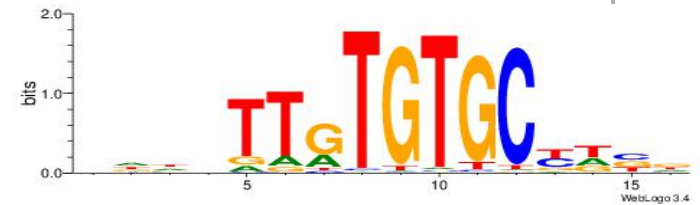
Original motif

Consensus sequence: HVHRGCACACAAHHHV



Reverse complement motif

Consensus sequence: BHHHTTGTGTGCKHVD



Motif ID:	UP00400
Motif name:	Zif268
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	8
Number of overlap:	12
Similarity score:	0.0260477

Alignment:

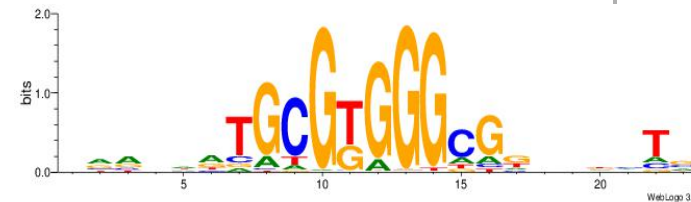
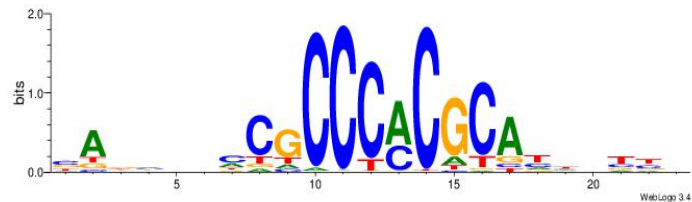
BADHBDHCGCCCMCGCAHHDDBV
-----CACACACACACA-----

Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV

Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



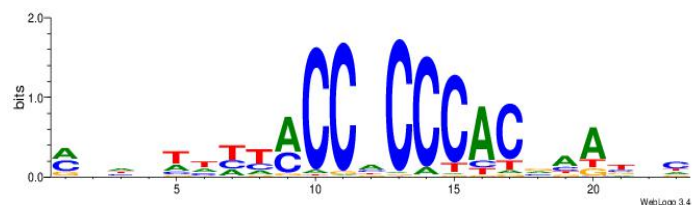
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.030264

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 -----CACACACACACA-

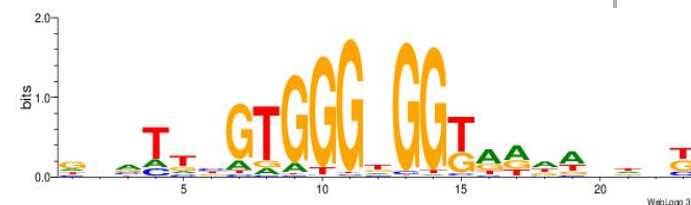
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Motif ID: [UP00000](#)

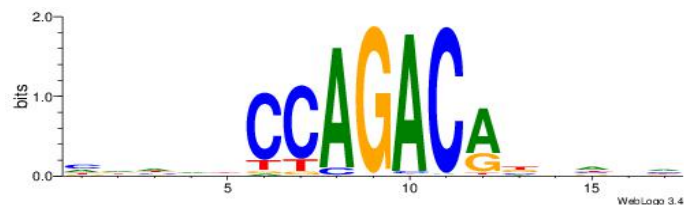
Motif name: Smad3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0319882

Alignment:

HVHBVTGTCTGGDDHDD
 ---TGTGTGTGTGTG--

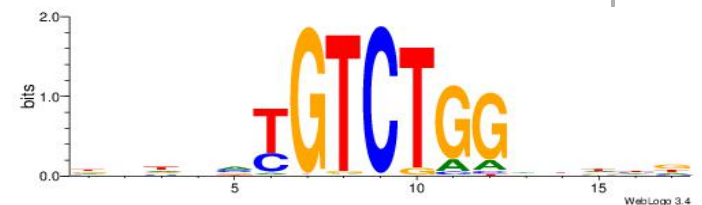
Original motif

Consensus sequence: HDHDDCCAGACABBHVH



Reverse complement motif

Consensus sequence: HVHBVTGTCTGGDDHDD



Motif ID: [UP00041](#)
 Motif name: Foxj1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 12

Similarity score: 0.0345675

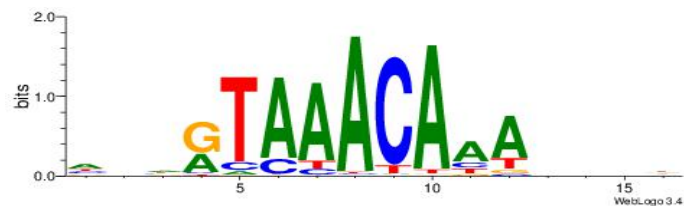
Alignment:

HDHRTAAACAAHDDD

CACACACACACA----

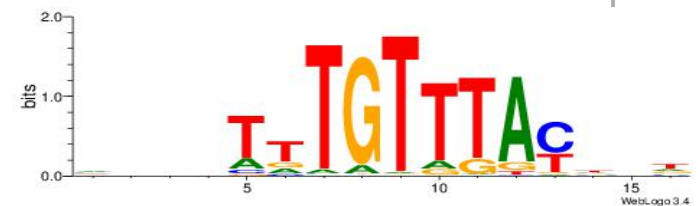
Original motif

Consensus sequence: HDHRTAAACAAHDDD



Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDDH



Motif ID: [UP00101](#)

Motif name: Sox12_secondary

Species: Mus musculus

Matching format of first motif: Original Motif

Matching format of second motif: Original Motif

Direction: Forward

Position number: 2

Number of overlap: 12

Similarity score: 0.0352503

Alignment:

VVDBASACAAAGRADH

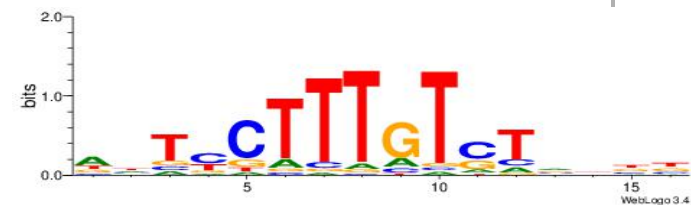
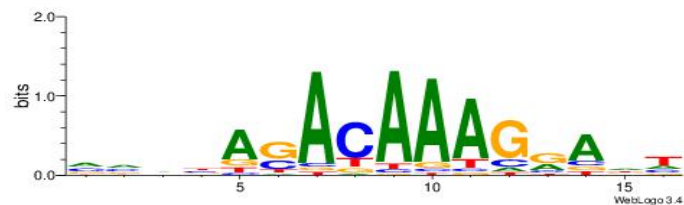
-CACACACACACA----

Original motif

Consensus sequence: VVDBASACAAAGRADH

Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0355373

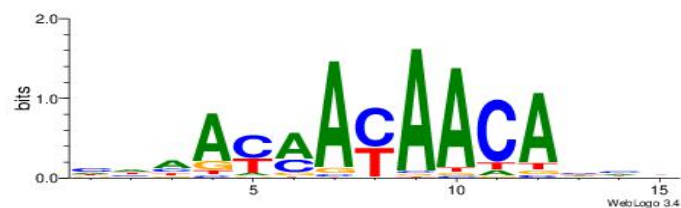
Alignment:

```

HDDTGTTKTTKTHHD
---TGTGTGTGTGTG
  
```

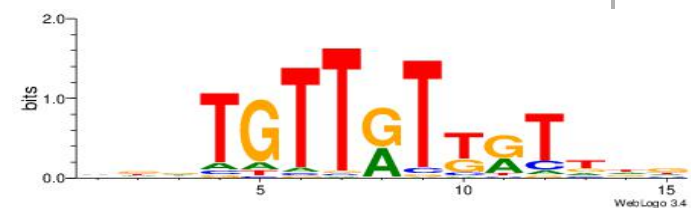
Original motif

Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



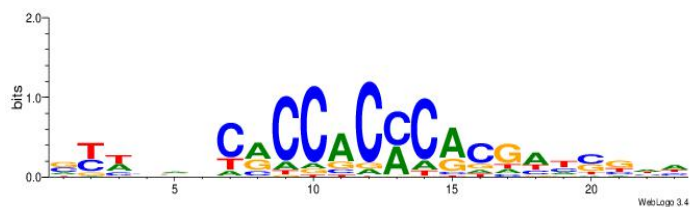
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10
 Number of overlap: 12
 Similarity score: 0.0364327

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 -----CACACACACACA--

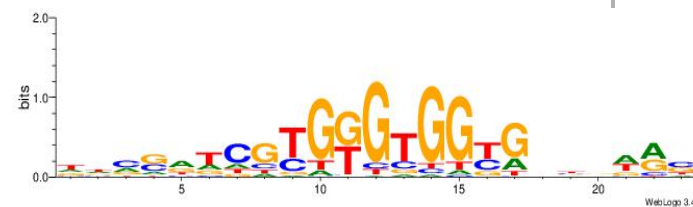
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Motif ID: [UP00227](#)
 Motif name: Duxl
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5

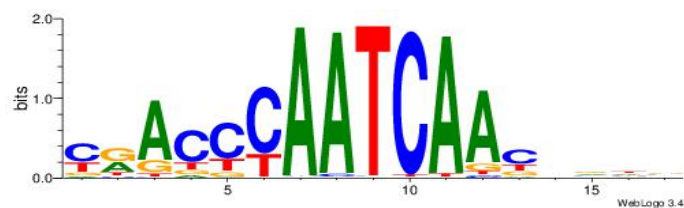
Number of overlap: 12
Similarity score: 0.0367869

Alignment:

VHVVGTTGATTGGGTMK
-----TGTGTGTGTGTG-

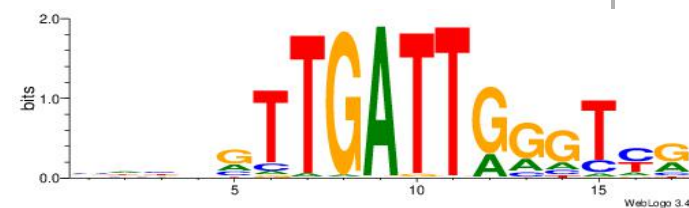
Original motif

Consensus sequence: YRACCCAATCAACVVHV



Reverse complement motif

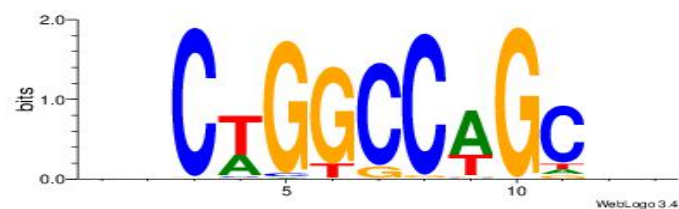
Consensus sequence: VHVVGTTGATTGGGTMK



Dataset #: 4 **Motif ID: 80** **Motif name: ssCwGGCCwGCss**

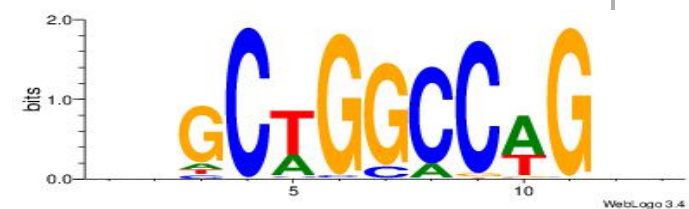
Original motif

Consensus sequence: BBCWGGCCAGCBB



Reverse complement motif

Consensus sequence: BBGCTGGCCWGBB



Best Matches for Motif ID 80 (Highest to Lowest)

Motif ID: [UP00047](#)
Motif name: Zbtb7b_secondary
Species: Mus musculus

Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	13
Similarity score:	0.0292371

Alignment:

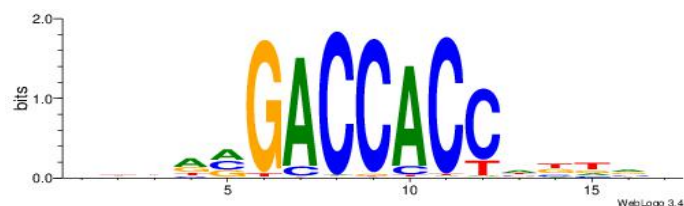
```

BBDVHGGTGGTCBKDDDB
---BBGCTGGCCWGBB-

```

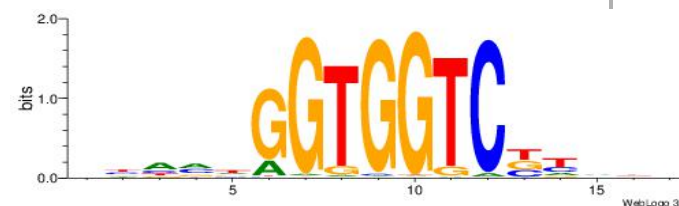
Original motif

Consensus sequence: BDDRVGACCACCHBDVB



Reverse complement motif

Consensus sequence: BBDVHGGTGGTCBKDDDB



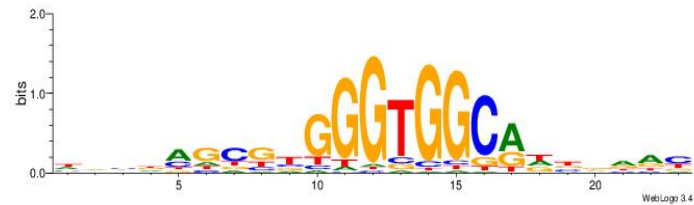
Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	9
Number of overlap:	13
Similarity score:	0.0293146

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
--BBCWGGCCAGCBB-----

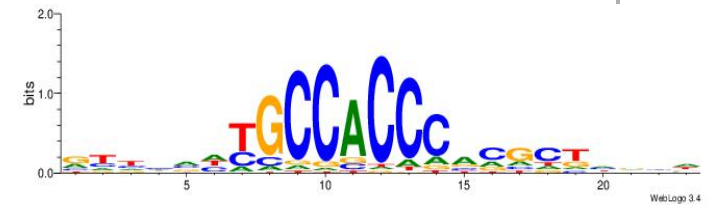
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID:	UP00000
Motif name:	Smad3_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	13
Similarity score:	0.0305671

Alignment:

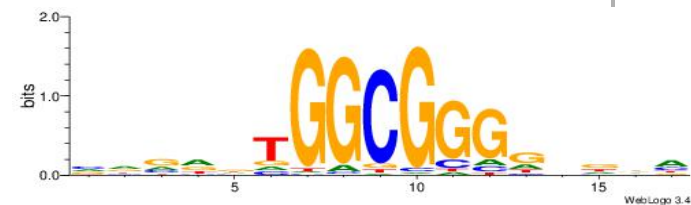
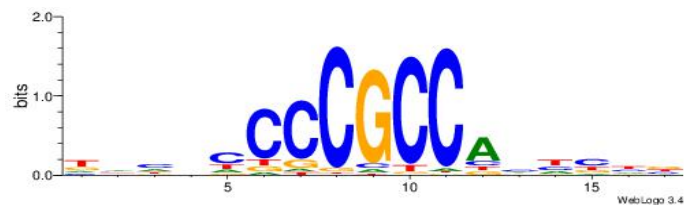
DHHBCCCCGCCAHHBHB
---BBCWGGCCAGCBB-

Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB

Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD

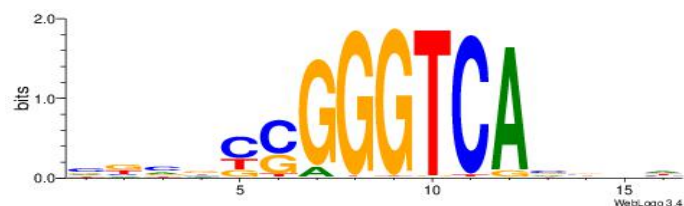


Motif ID: [UP00009](#)
 Motif name: Nr2f2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0317659

Alignment:
 VBVBCTGGGTCAVBBH
 --BBGCTGGCCWGBB-

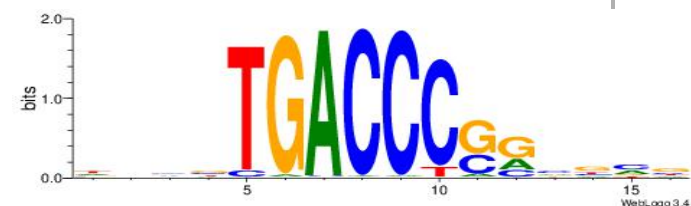
Original motif

Consensus sequence: VBVBCTGGGTCAVBBH



Reverse complement motif

Consensus sequence: HVBVTGACCCSGBVBV



Motif ID: [UP00035](#)

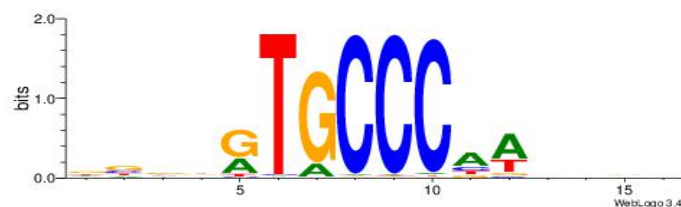
Motif name: Hic1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 13
 Similarity score: 0.0331992

Alignment:

DBDDRTGCCCAWDHDV
 -BBGCTGGCCWGBB--

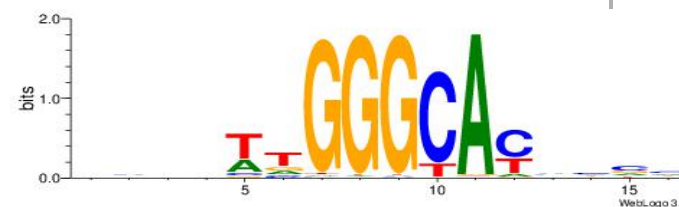
Original motif

Consensus sequence: DBDDRTGCCCAWDHDV



Reverse complement motif

Consensus sequence: VHHDWTGGGCAMDHBH

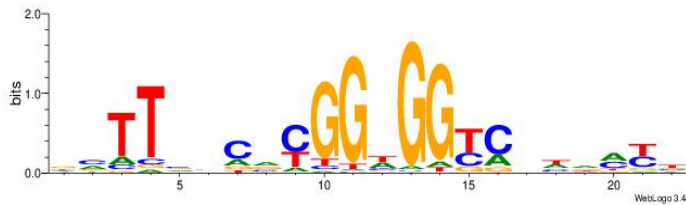


Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 13

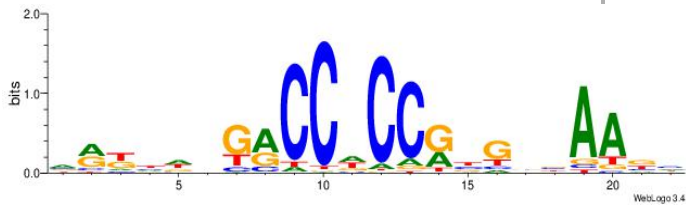
Similarity score: 0.0364202

Alignment:
DVTTVVCVYGGHGGYCHHDMYB
-----BBGCTGGCCWGBB--

Original motif
Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif
Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH

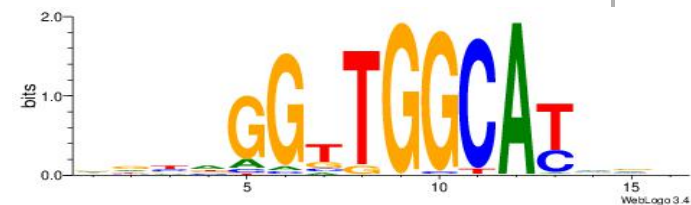
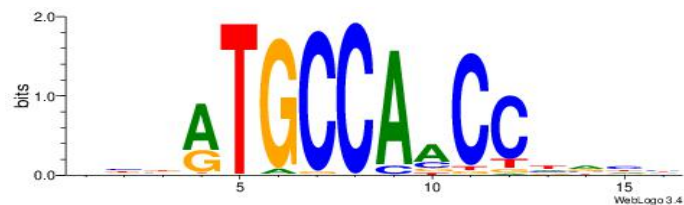


Motif ID: [UP00035](#)
Motif name: Hic1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 13
Similarity score: 0.0366488

Alignment:
DDBHGGTTGGCATVBD
---BBGCTGGCCWGBB

Original motif
Consensus sequence: DBBATGCCAACCHVHH

Reverse complement motif
Consensus sequence: DDBHGGTTGGCATVBD



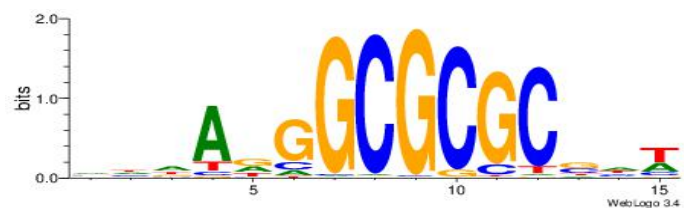
Motif ID: [UP00003](#)
 Motif name: E2F3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0368356

Alignment:

VHDADGGCGCGCSHW
 -BBCWGGCCAGCBB-

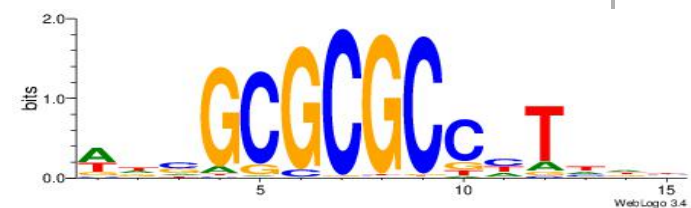
Original motif

Consensus sequence: VHDADGGCGCGCSHW



Reverse complement motif

Consensus sequence: WHSGCGCGCCHTDHB



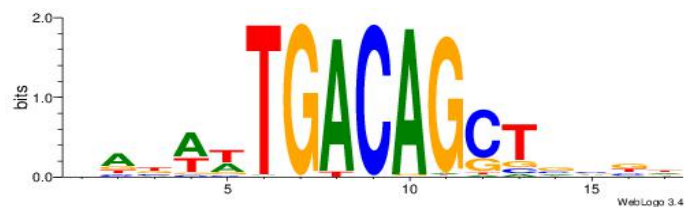
Motif ID: [UP00122](#)
 Motif name: Tgif1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0369074

Alignment:

DBVVAGCTGTCAWWVTH
 ---BBGCTGGCCWGBB-

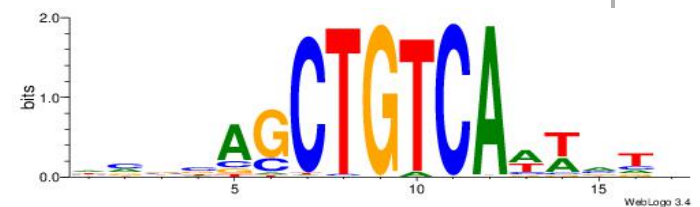
Original motif

Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



Motif ID: [UP00193](#)
 Motif name: Rhox11_2205.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2

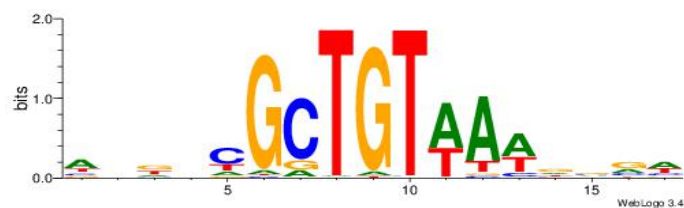
Number of overlap: 13
Similarity score: 0.0374489

Alignment:

WVHWTWACAGCGHHVT
-BBCWGGCCAGCBB---

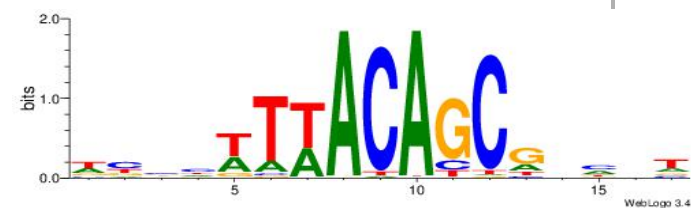
Original motif

Consensus sequence: AVDHCGCTGTAWDVVW



Reverse complement motif

Consensus sequence: WVHWTWACAGCGHHVT



Dataset #: 4 **Motif ID: 81** **Motif name: wwTAAwAAww**

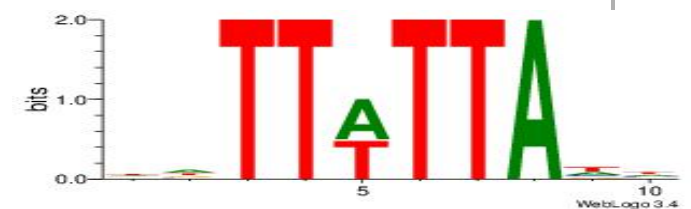
Original motif

Consensus sequence: DDTAAWAAHH



Reverse complement motif

Consensus sequence: HHTTWTTADD



Best Matches for Motif ID 81 (Highest to Lowest)

Motif ID: [UP00180](#)
Motif name: Hoxd13
Species: Mus musculus

Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	10
Similarity score:	0

Alignment:

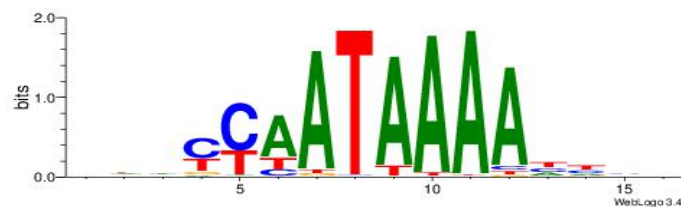
```

HDHYAATAAAHHHH
-----DDTAAWAAHH-

```

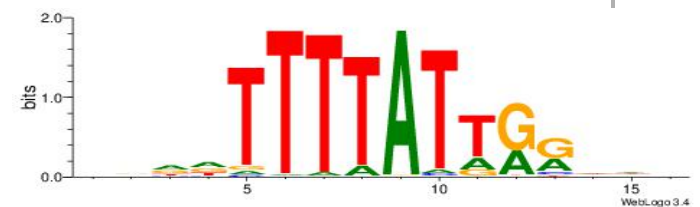
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD



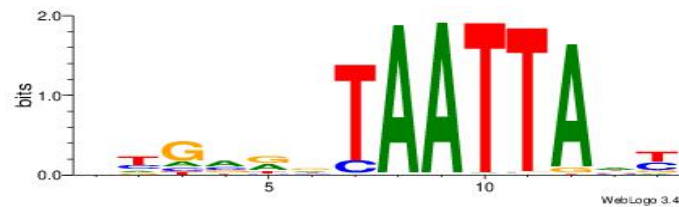
Motif ID:	UP00202
Motif name:	Dlx1
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	10
Similarity score:	0.000299799

Alignment:

MDTAATTAHMBCHB
DDTAAWAAHH-----

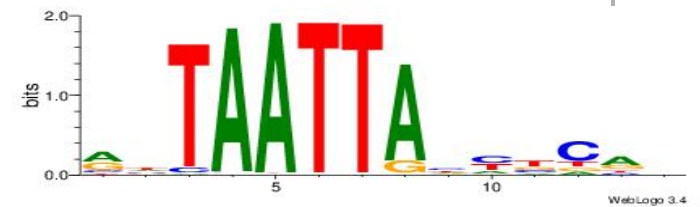
Original motif

Consensus sequence: BHGV RDTAATTADY



Reverse complement motif

Consensus sequence: MDTAATTAHMBCHB



Motif ID:	UP00134
Motif name:	Hoxb13
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	6
Number of overlap:	10
Similarity score:	0.000776597

Alignment:

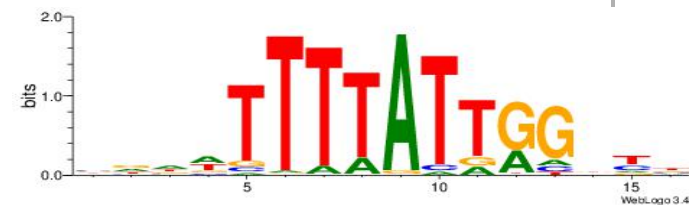
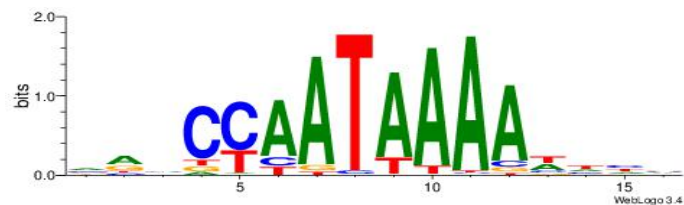
VDHWTTTTATTGGDKB
-HHTTWTTADD-----

Original motif

Consensus sequence: VRHCCAATAAAWHHV

Reverse complement motif

Consensus sequence: VDHWTTTTATTGGDKB

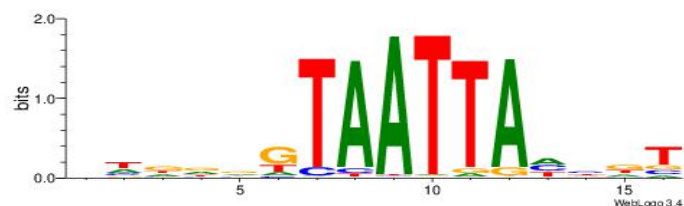


Motif ID: [UP00242](#)
 Motif name: Hoxc8
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.00309982

Alignment:
 AHDHTAATTACHHHHV
 --DDTAAWAAHH----

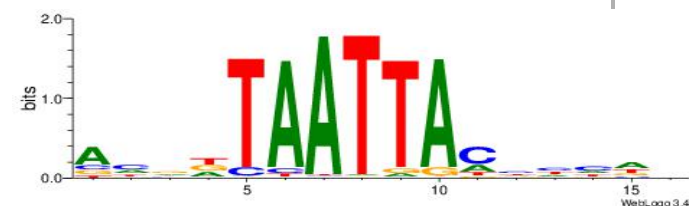
Original motif

Consensus sequence: BHDDDGTAATTAAHHD



Reverse complement motif

Consensus sequence: AHDHTAATTACHHHHV



Motif ID: [UP00110](#)

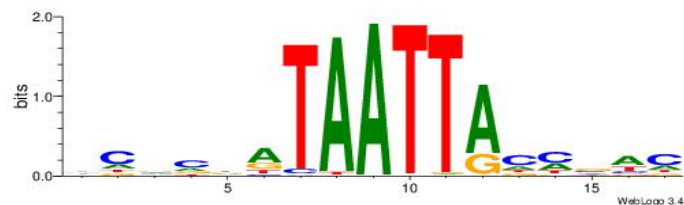
Motif name: Dlx4
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.00364582

Alignment:

BCVVDATAATTACMVHC
 ----DDTAAWAAHH---

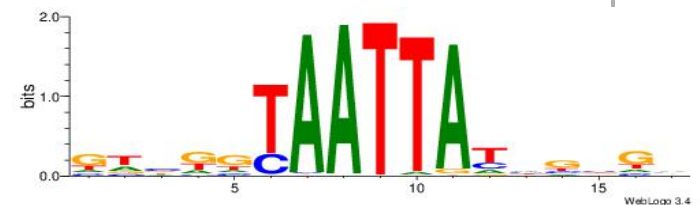
Original motif

Consensus sequence: BCVVDATAATTACMVHC



Reverse complement motif

Consensus sequence: GHVRGTAATTATDVVGV



Motif ID: [UP00034](#)
 Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 10

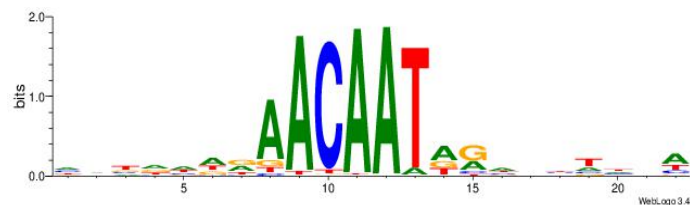
Similarity score: 0.0040604

Alignment:

WBHHHHHMDATTGTTHDHDVHH
-----HHTTWT TADD-----

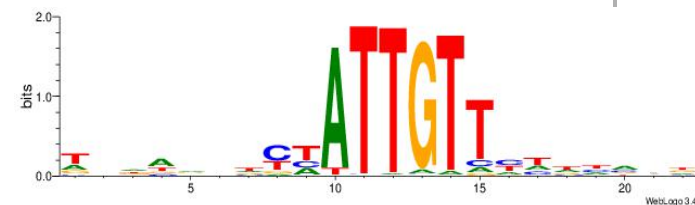
Original motif

Consensus sequence: HHBDHDDAACAAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



Motif ID: [UP00037](#)
Motif name: Zfp105_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 10
Similarity score: 0.0042597

Alignment:

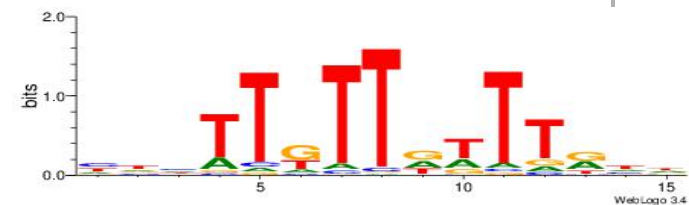
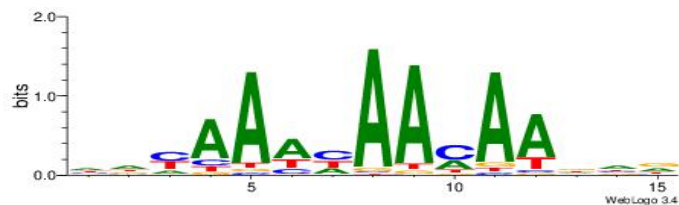
HHHTTRTTDTTTKDH
-HHTTWT TADD-----

Original motif

Consensus sequence: HDYAAHAAMAADHD

Reverse complement motif

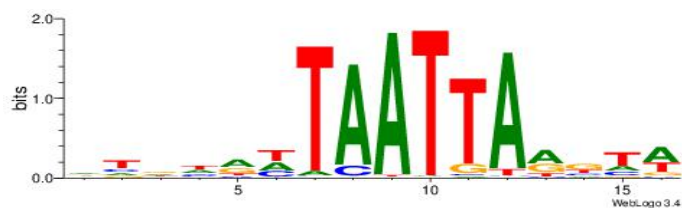
Consensus sequence: HHHTTRTTDTTTKDH



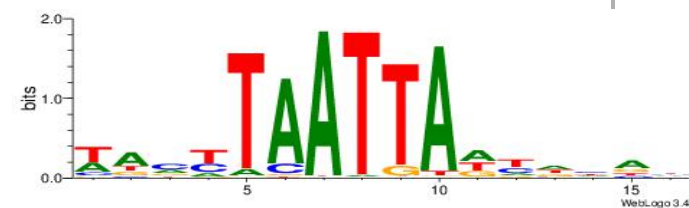
Motif ID: [UP00254](#)
 Motif name: Pou2f1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.00447653

Alignment:
 WABKTAATTAKHHHD
 --HTTTWTADD----

Original motif
 Consensus sequence: DHDHRHTAATTARBTW



Reverse complement motif
 Consensus sequence: WABKTAATTAKHHHD



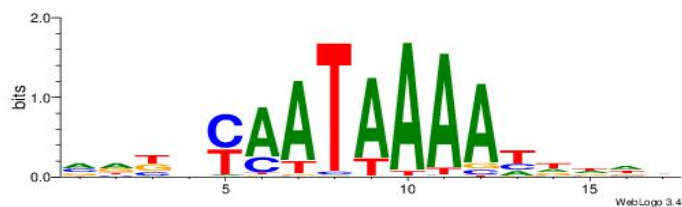
Motif ID: [UP00121](#)
 Motif name: Hoxd10
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.00448

Alignment:

HDDDATTTTATTKVRDB
 --HHTTWTTADD-----

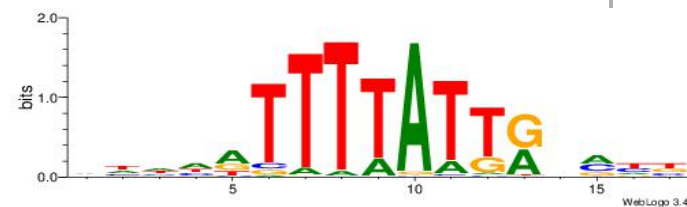
Original motif

Consensus sequence: VDKVYAATAAAATDDDH



Reverse complement motif

Consensus sequence: HDDDATTTTATTKVRDB



Motif ID: [UP00154](#)
 Motif name: Dlx3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

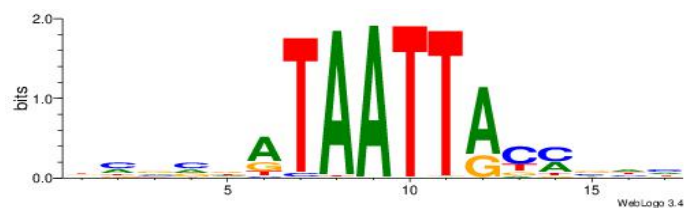
Number of overlap: 10
Similarity score: 0.00573233

Alignment:

BHVVDATAATTACMVHH
----DDTAAWAAHH---

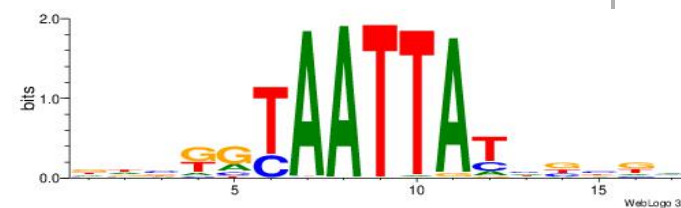
Original motif

Consensus sequence: BHVVDATAATTACMVHH



Reverse complement motif

Consensus sequence: DHVRGTAATTATHVVDV



Dataset #: 4 Motif ID: 82 Motif name: rmACAGCAGsr

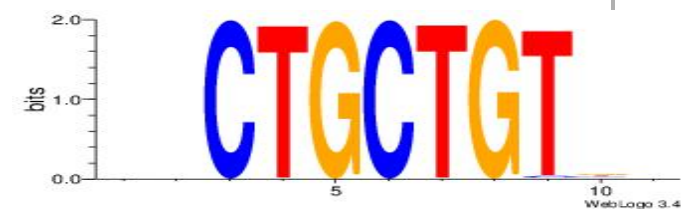
Original motif

Consensus sequence: VVACAGCAGVD



Reverse complement motif

Consensus sequence: DVCTGCTGTVB



Best Matches for Motif ID 82 (Highest to Lowest)

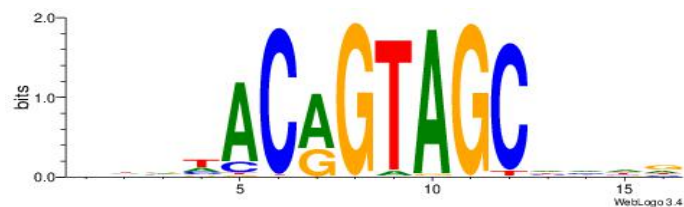
Motif ID: [UP00052](#)
Motif name: Osr2_primary
Species: Mus musculus

Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	11
Similarity score:	0

Alignment:
HHVHACRGTAGCHHHD
--VVACAGCAGVD--

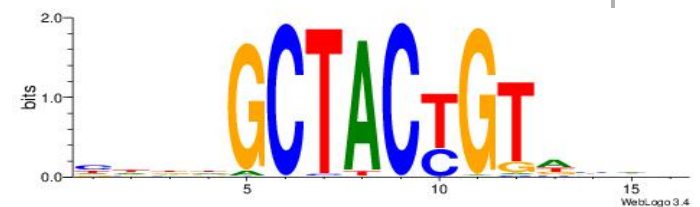
Original motif

Consensus sequence: HHVHACRGTAGCHHHD



Reverse complement motif

Consensus sequence: HHHHGCTACKGTHVHH



Motif ID:	UP00027
Motif name:	Osr1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	11
Similarity score:	0.00105409

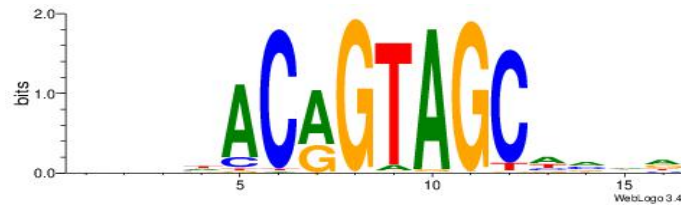
Alignment:

DHBHGCTACKGTHDHH

---DVCTGCTGTVB--

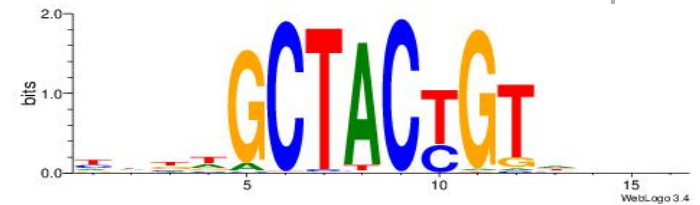
Original motif

Consensus sequence: HHDHACRGTAGCHVHD



Reverse complement motif

Consensus sequence: DHBHGCTACKGTHDHH



Motif ID:

[UP00102](#)

Motif name:

Zic1_secondary

Species:

Mus musculus

Matching format of first motif:

Reverse Complement

Matching format of second motif:

Reverse Complement

Direction:

Forward

Position number:

3

Number of overlap:

11

Similarity score:

0.00653268

Alignment:

DVHCCTGCTGBGDDB

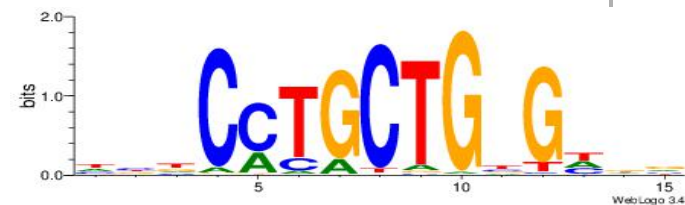
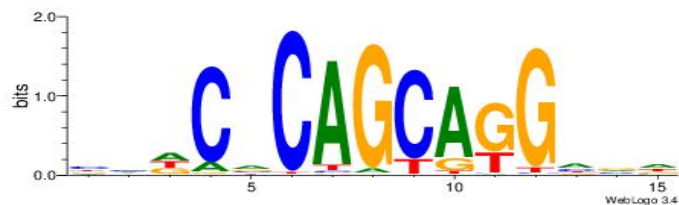
--DVCTGCTGTVB--

Original motif

Consensus sequence: BHDCVCAGCAGGHVD

Reverse complement motif

Consensus sequence: DVHCCTGCTGBGDDB



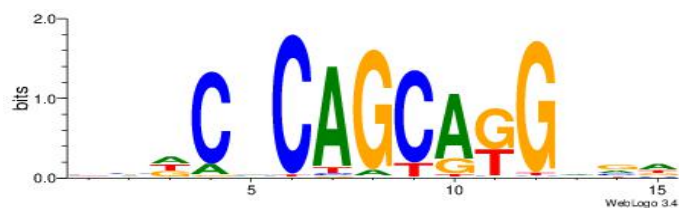
Motif ID: [UP00057](#)
 Motif name: Zic2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.00968463

Alignment:

DVBCYTGCTGBGDDD
 --DVCTGCTGTVB--

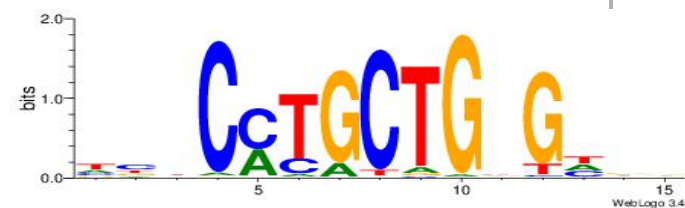
Original motif

Consensus sequence: HHDCVCAGCAKGVVD



Reverse complement motif

Consensus sequence: DVBCYTGCTGBGDDD



Motif ID: [UP00006](#)

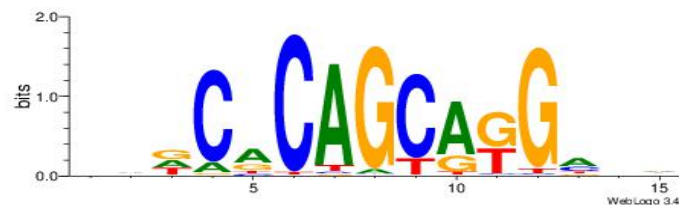
Motif name: Zic3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0102111

Alignment:

DDDCACAGCAKGHVD
 --VVACAGCAGVD--

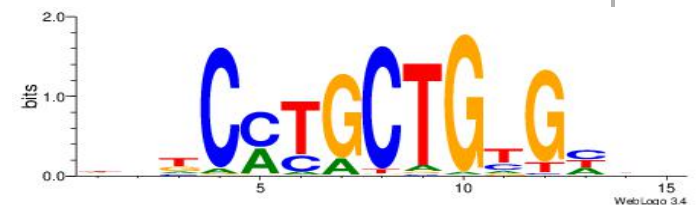
Original motif

Consensus sequence: DDDCACAGCAKGHVD



Reverse complement motif

Consensus sequence: DVHCYTGCTGTGHDH



Motif ID: [UP00031](#)
 Motif name: Zbtb3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11

Similarity score: 0.0115274

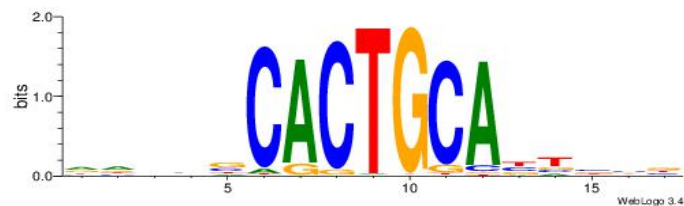
Alignment:

BBBAVTGCAGTGBBVDD

--DVCTGCTGTVB----

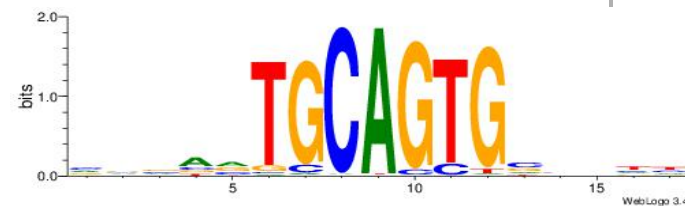
Original motif

Consensus sequence: DDBBBCACTGCABTBBB



Reverse complement motif

Consensus sequence: BBBAVTGCAGTGBBVDD



Motif ID: [UP00099](#)
Motif name: Ascl2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0115983

Alignment:

HHDVVCAGCTGVBKVB

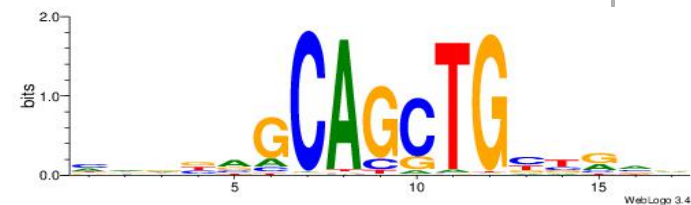
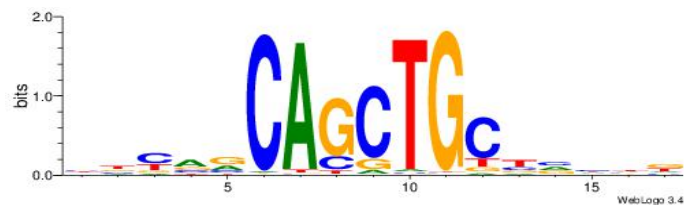
---VVCAGCAGVD---

Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD

Reverse complement motif

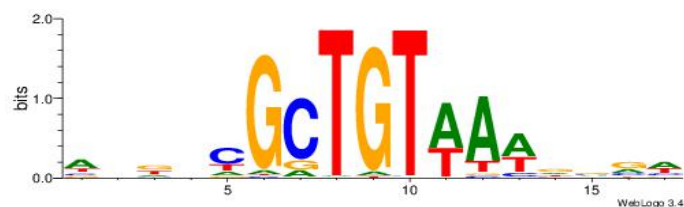
Consensus sequence: HHDVVCAGCTGVBKVB



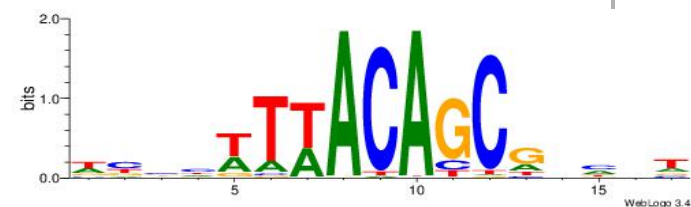
Motif ID: [UP00193](#)
 Motif name: Rhox11_2205.1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0150629

Alignment:
 AVDHCGCTGTWAWDVVW
 -DVCTGCTGTVB-----

Original motif
 Consensus sequence: AVDHCGCTGTWAWDVVW



Reverse complement motif
 Consensus sequence: WVVHWTWACAGCGHHVT



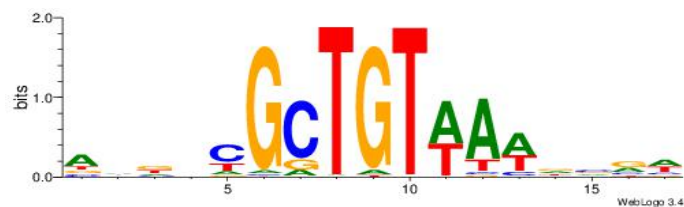
Motif ID: [UP00193](#)
 Motif name: Rhox11_1765.2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0154078

Alignment:

AVDVCGCTGTWAWDVVW
 -DVCTGCTGTVB-----

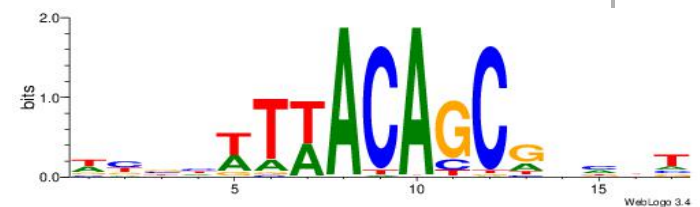
Original motif

Consensus sequence: AVDVCGCTGTWAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGBHBT



Motif ID: [UP00036](#)
 Motif name: Myf6_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3

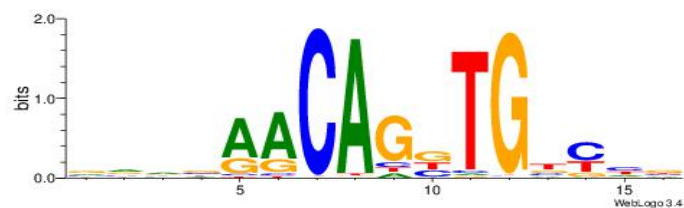
Number of overlap: 11
Similarity score: 0.0170472

Alignment:

BDKVCABCTGTTBDBV
--DVCTGCTGTVB---

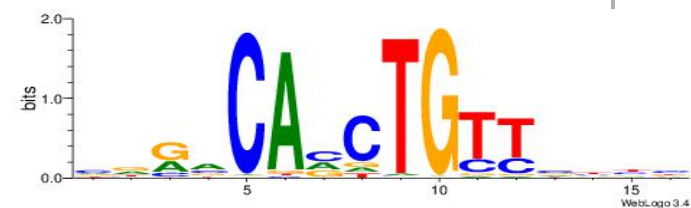
Original motif

Consensus sequence: VVDBAACAGBTGBYHB



Reverse complement motif

Consensus sequence: BDKVCABCTGTTBDBV



Dataset #: 4 **Motif ID: 83** **Motif name: wwTAAAwAww**

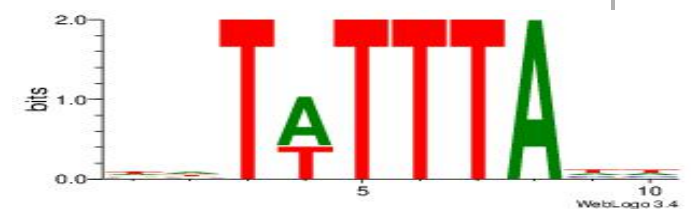
Original motif

Consensus sequence: DDTAAAWAHH



Reverse complement motif

Consensus sequence: HHTWTTTADD



Best Matches for Motif ID 83 (Highest to Lowest)

Motif ID: [UP00073](#)
Motif name: Foxa2_primary
Species: Mus musculus

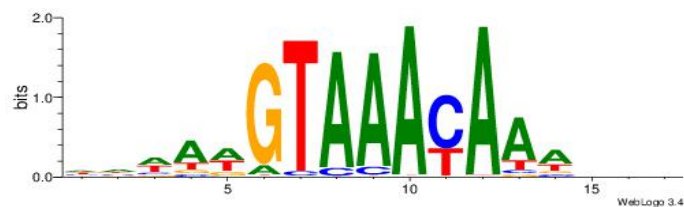
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0

Alignment:

```
HHWAWGTAAAYAAVDB
----DDTAAAWAHH---
```

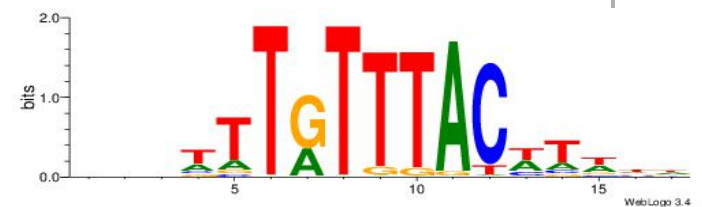
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



Motif ID:	UP00039
Motif name:	Foxj3_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0.00101771

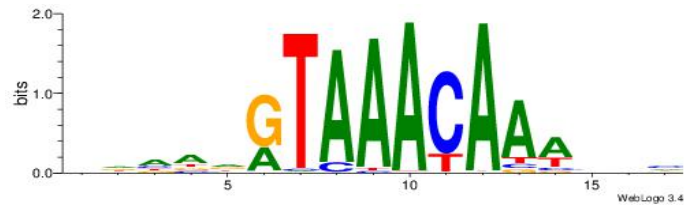
Alignment:

HDHADGTAAACAAAVVH

----DDTAAAWAHH----

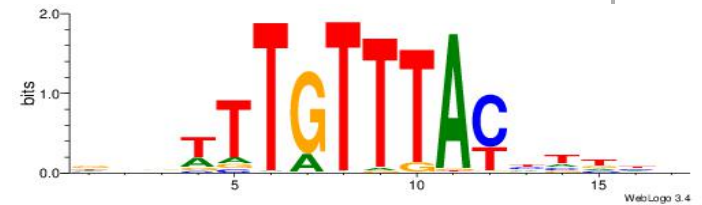
Original motif

Consensus sequence: HDHADGTAAACAAAVVH



Reverse complement motif

Consensus sequence: DVVTTTGTTTACDTHDH



Motif ID:	UP00061
Motif name:	Foxl1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0.00165181

Alignment:

DWAATRTAAACAAWVVB

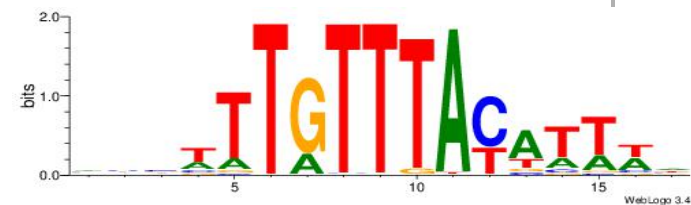
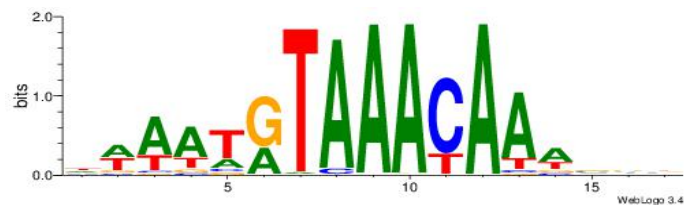
----DDTAAAWAHH----

Original motif

Consensus sequence: DWAATRTAAACAAWVVB

Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD

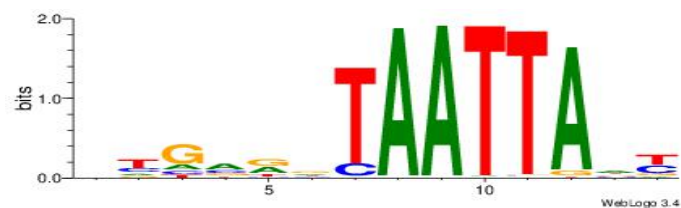


Motif ID: [UP00202](#)
 Motif name: Dlx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.00530809

Alignment:
 MDTAATTAHMBCHB
 DDTAAAWAHH----

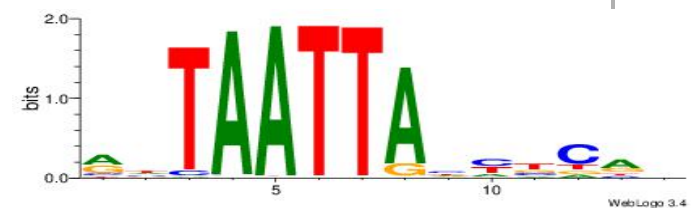
Original motif

Consensus sequence: BHGVRDTAATTADY



Reverse complement motif

Consensus sequence: MDTAATTAHMBCHB



Motif ID: [UP00041](#)

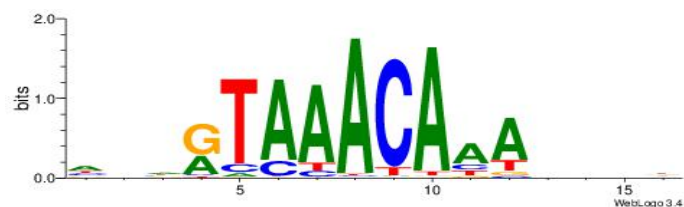
Motif name: Foxj1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.00622214

Alignment:

HDHRTAAACAAHDDD
 --DDTAAAWAHH----

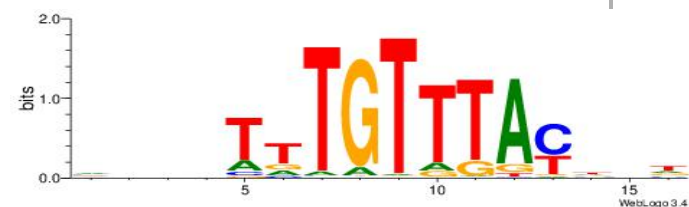
Original motif

Consensus sequence: HDHRTAAACAAHDDD



Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDDH



Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 10

Similarity score: 0.00814891

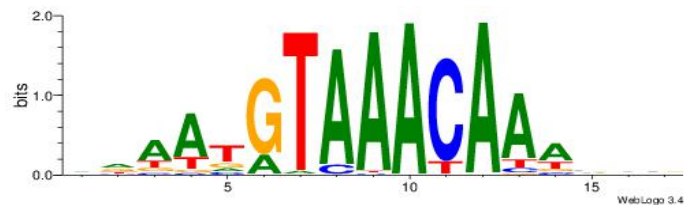
Alignment:

DDAATGTAAACAAAVVB

----DDTAAAWAHH----

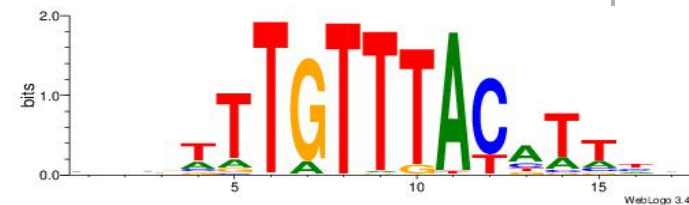
Original motif

Consensus sequence: DDAATGTAAACAAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTCACATDD



Motif ID: [UP00134](#)

Motif name: Hoxb13

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 2

Number of overlap: 10

Similarity score: 0.00863942

Alignment:

VDHWTTTTATTGGDKB

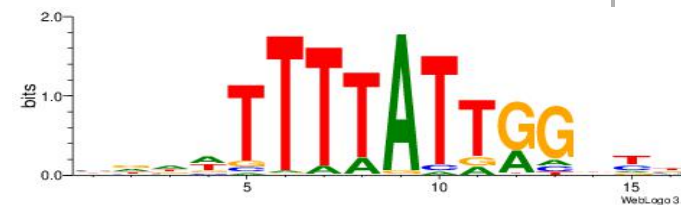
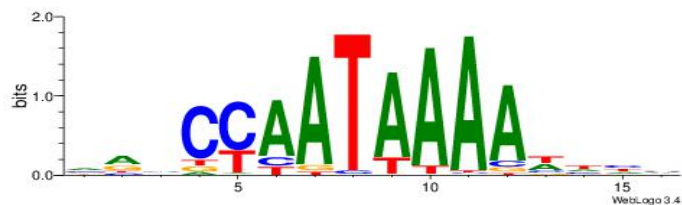
-HHTWTTTADD-----

Original motif

Consensus sequence: VRHCCAATAAAWHHV

Reverse complement motif

Consensus sequence: VDHWTTTTATTGGDKB



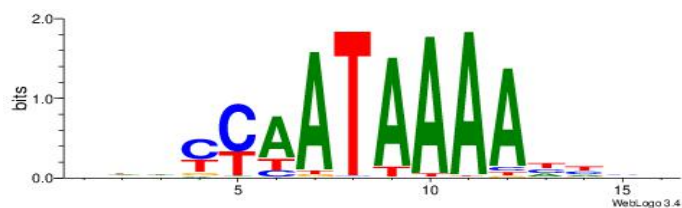
Motif ID: [UP00180](#)
 Motif name: Hoxd13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.00877086

Alignment:

HDHHTTTTATTKKHDD
 -HHTWTTTADD-----

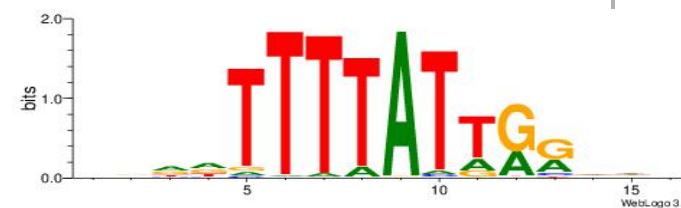
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD



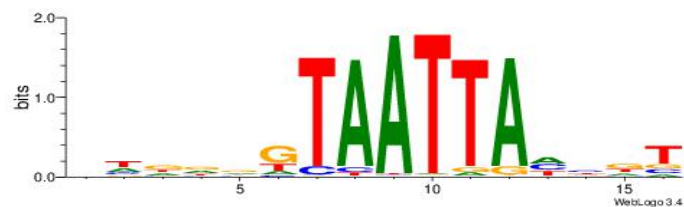
Motif ID: [UP00242](#)
 Motif name: Hoxc8
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.00906413

Alignment:

BHDDDGTAATTAAHHD
 ----DDTAAAWAHH--

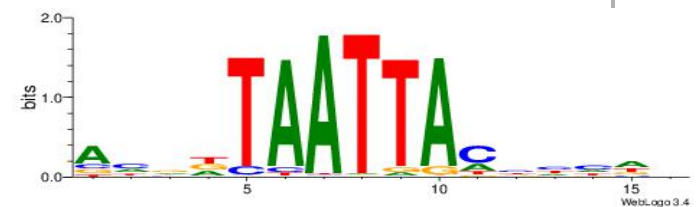
Original motif

Consensus sequence: BHDDDGTAATTAAHHD



Reverse complement motif

Consensus sequence: AHDHTAATTACHHHHV



Motif ID: [UP00110](#)
 Motif name: Dlx4
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

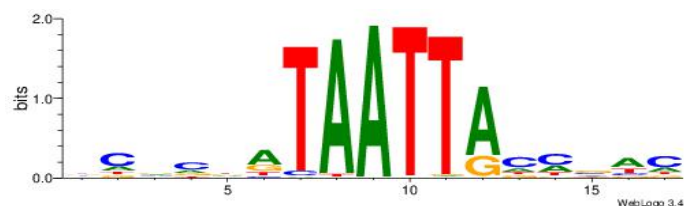
Number of overlap: 10
Similarity score: 0.0092814

Alignment:

BCVVDATAATTACMVHC
----DDTAAAWAHH---

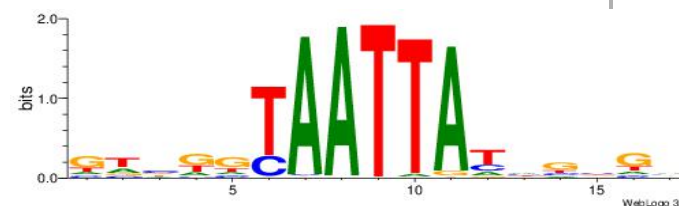
Original motif

Consensus sequence: BCVVDATAATTACMVHC



Reverse complement motif

Consensus sequence: GHVRGTAATTATDVVG



Dataset #: 4 **Motif ID: 84** **Motif name: wsAGCTACwy**

Original motif

Consensus sequence: DVAGCTACHB



Reverse complement motif

Consensus sequence: VHGTAGCTVD



Best Matches for Motif ID 84 (Highest to Lowest)

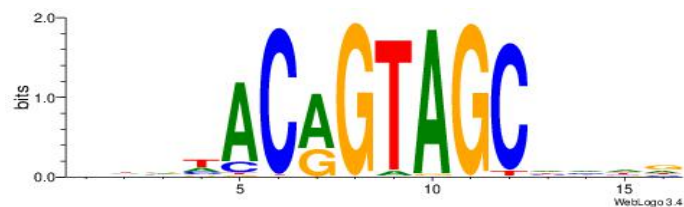
Motif ID: [UP00052](#)
Motif name: Osr2_primary
Species: Mus musculus

Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	10
Similarity score:	0

Alignment:
 HHHHGCTACKGTHVHH
 -DVAGCTACHB-----

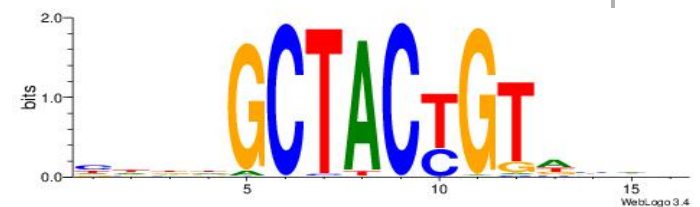
Original motif

Consensus sequence: HHVHACRGTAGCHHHD



Reverse complement motif

Consensus sequence: HHHHGCTACKGTHVHH



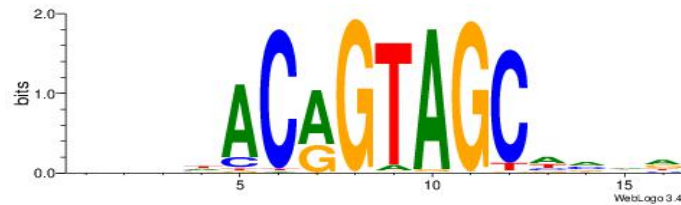
Motif ID:	UP00027
Motif name:	Osr1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	10
Similarity score:	0.00253277

Alignment:

DHBHGCTACKGTHDHH
-DVAGCTACHB-----

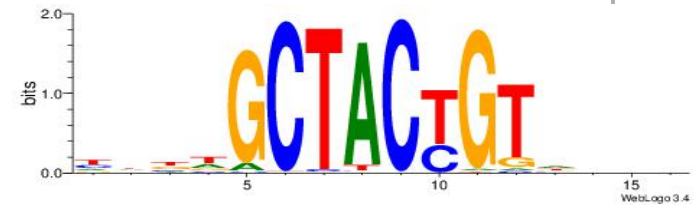
Original motif

Consensus sequence: HHDHACRGTAGCHVHD



Reverse complement motif

Consensus sequence: DHBHGCTACKGTHDHH



Motif ID:	UP00098
Motif name:	Rfx3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	9
Number of overlap:	10
Similarity score:	0.00721593

Alignment:

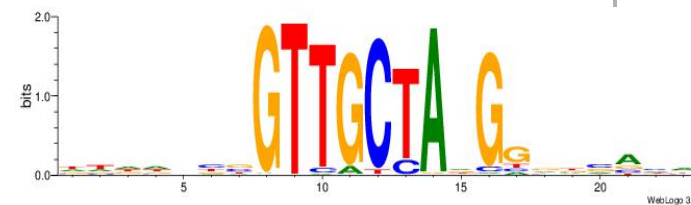
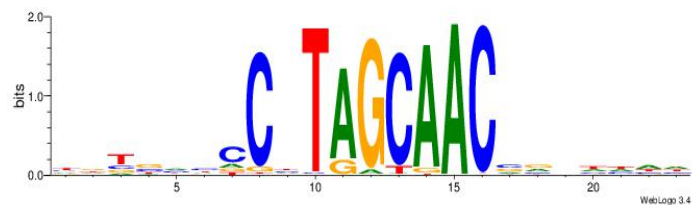
HHHHDVVGTTGCTAHGGDHBAHH
-----VHGTAGCTVD-----

Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH

Reverse complement motif

Consensus sequence: HHHHDVVGTTGCTAHGGDHBAHH

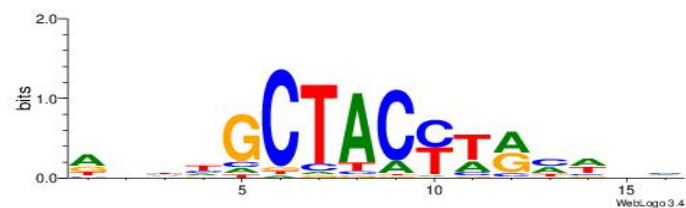


Motif ID: [UP00052](#)
 Motif name: Osr2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.00762354

Alignment:
 VDWRKAKGTAGCHHDT
 -----VHGTAGCTVD-

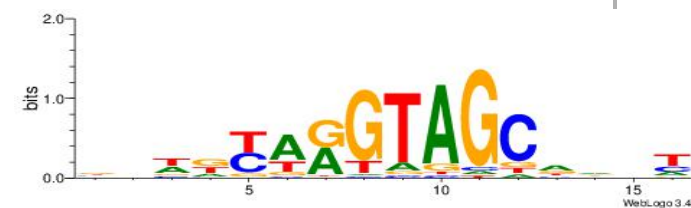
Original motif

Consensus sequence: AHHHGCTACYTRMWHV



Reverse complement motif

Consensus sequence: VDWRKAKGTAGCHHDT



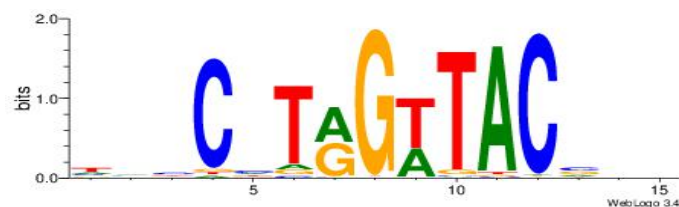
Motif ID: [UP00056](#)

Motif name: Rfx4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.00942475

Alignment:
 HVVGTAWCKADGBHH
 -VHGTAGCTVD----

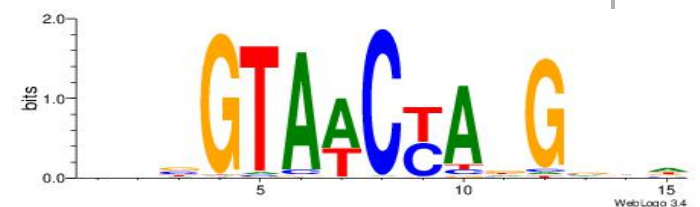
Original motif

Consensus sequence: HHBCHTRGWTACVVH



Reverse complement motif

Consensus sequence: HVVGTAWCKADGBHH



Motif ID: [UP00027](#)
 Motif name: Osr1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 10

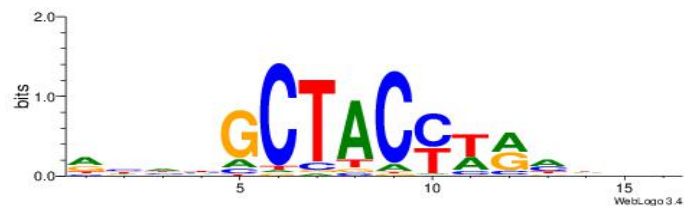
Similarity score: 0.00948101

Alignment:

VHDKWKGTAGCHHDK
-----VHGTAGCTVD-

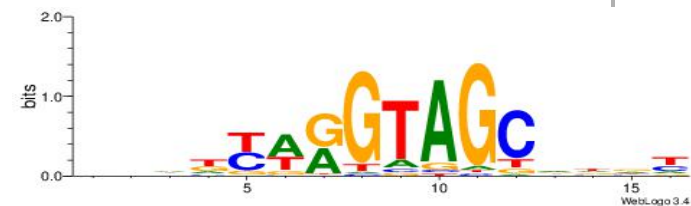
Original motif

Consensus sequence: RHHHGCTACYWRHHDHV



Reverse complement motif

Consensus sequence: VHDHKWKGTAGCHHDK



Motif ID: [UP00076](#)
Motif name: Rfxdc2_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 10
Similarity score: 0.0111701

Alignment:

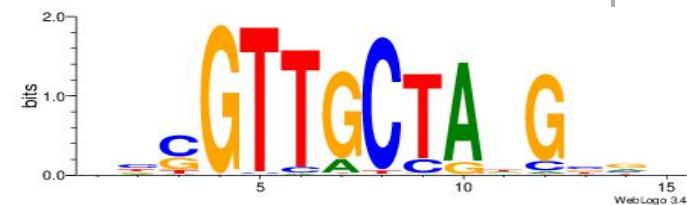
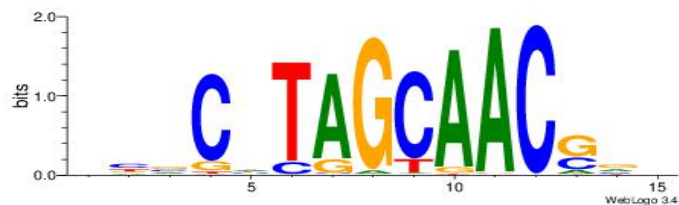
DVSGTTGCTAHGVBB
-VHGTAGCTVD----

Original motif

Consensus sequence: BBVCHTAGCAACSVD

Reverse complement motif

Consensus sequence: DVSGTTGCTAHGVBB



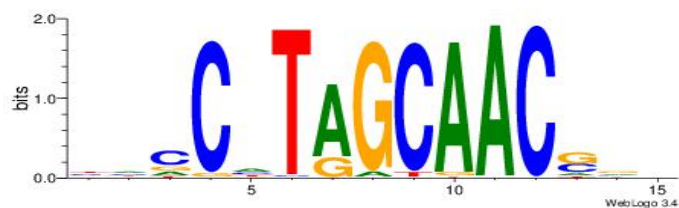
Motif ID: [UP00056](#)
 Motif name: Rfx4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0118129

Alignment:

DVSGTTGCTAHGGHV
 -VHGTAGCTVD----

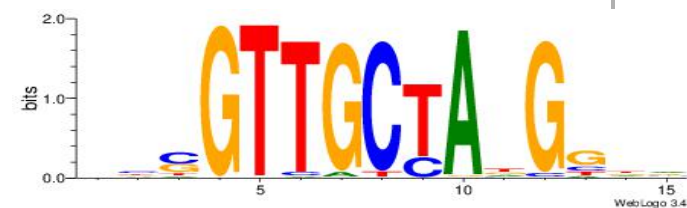
Original motif

Consensus sequence: BHCHTAGCAACSVD



Reverse complement motif

Consensus sequence: DVSGTTGCTAHGGHV



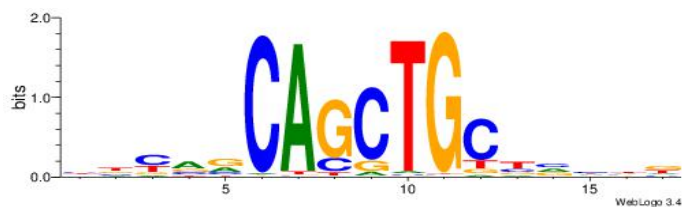
Motif ID: [UP00099](#)
 Motif name: Ascl2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0163031

Alignment:

BBYVVCAGCTGCBVHHD
 ----DVAGCTACHB----

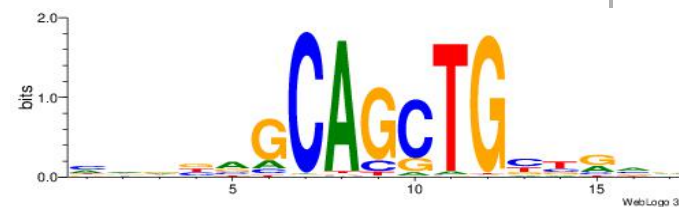
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HHDVVCAGCTGVBKVB



Motif ID: [UP00076](#)
 Motif name: Rfxdc2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

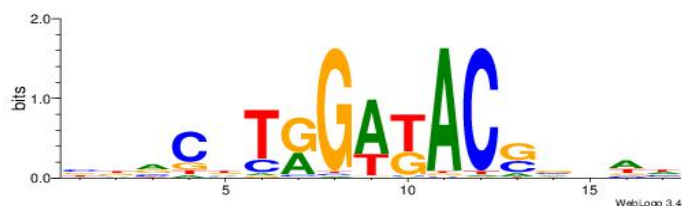
Number of overlap: 10
Similarity score: 0.0259013

Alignment:

BBVCDTRGAKACSVDDH
----DVAGCTACHB----

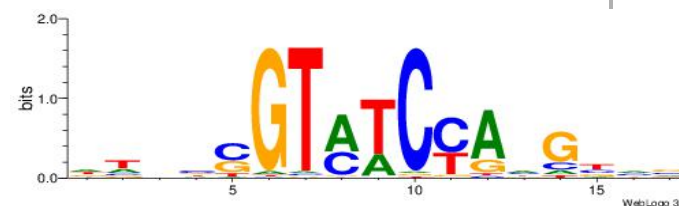
Original motif

Consensus sequence: BBVCDTRGAKACSVDDH



Reverse complement motif

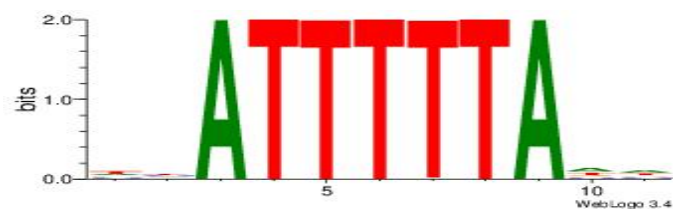
Consensus sequence: HDDVSGTRTCMADGBVB



Dataset #: 4 **Motif ID: 85** **Motif name: wtATTTTAAww**

Original motif

Consensus sequence: DHATTTTADD



Reverse complement motif

Consensus sequence: DDTAAAAATHD



Best Matches for Motif ID 85 (Highest to Lowest)

Motif ID: [UP00091](#)
Motif name: Sox5_primary
Species: Mus musculus

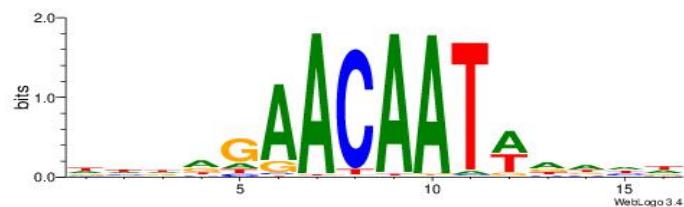
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	11
Similarity score:	0

Alignment:

```
DHDDWATTGTTTCDDHD
---DHATTTTADD--
```

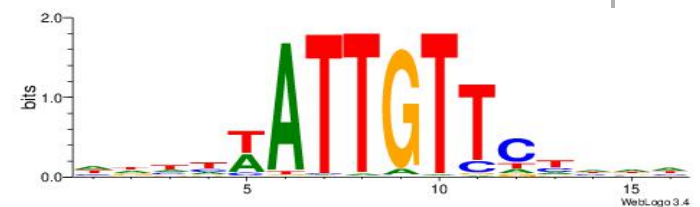
Original motif

Consensus sequence: DHDDGAACAATWDDHD



Reverse complement motif

Consensus sequence: DHDDWATTGTTTCDDHD



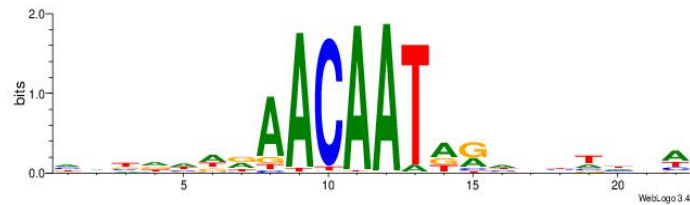
Motif ID:	UP00034
Motif name:	Sox7_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	8
Number of overlap:	11
Similarity score:	0.00014559

Alignment:

WBHHHHHMDATTGTTDHDVHH
-----DHATTTTADD-----

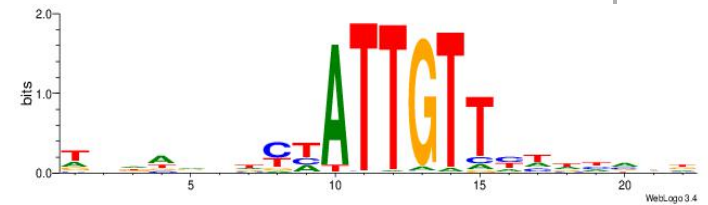
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTDHDVHH



Motif ID:	UP00180
Motif name:	Hoxd13
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	6
Number of overlap:	11
Similarity score:	0.00108087

Alignment:

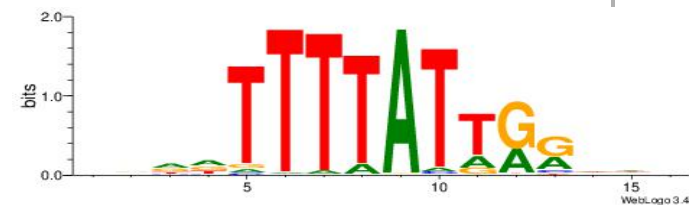
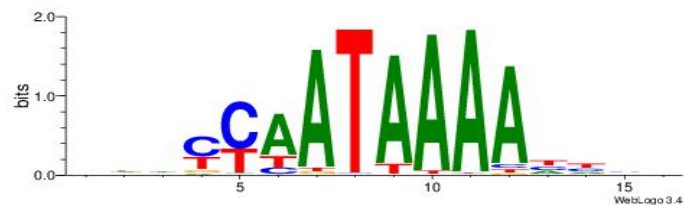
HDHYAATAAAHHHH
-----DDTAAAAATHD

Original motif

Consensus sequence: HDHYAATAAAHHHH

Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD

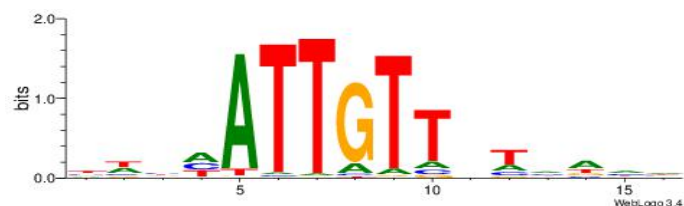


Motif ID: [UP00064](#)
 Motif name: Sox18_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.00183146

Alignment:
 HDDHABAACAATHBWV
 ---DDTAAAAATHD--

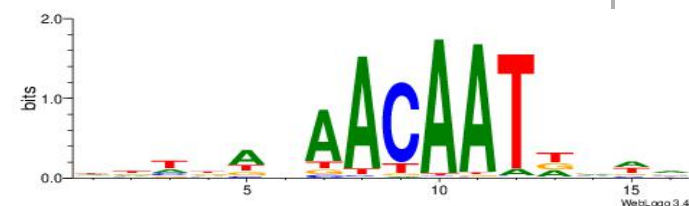
Original motif

Consensus sequence: BWBHATTGTTBTHDHH



Reverse complement motif

Consensus sequence: HDDHABAACAATHBWV



Motif ID: [UP00051](#)

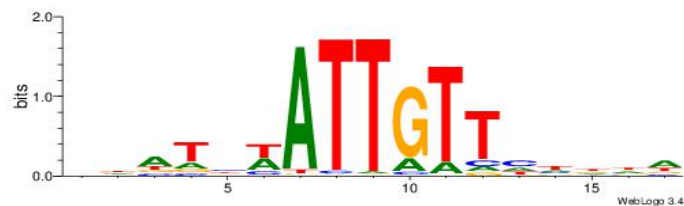
Motif name: Sox8_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.00234987

Alignment:

DDDHDAACAATWBATDD
 --DDTAAAAATHD----

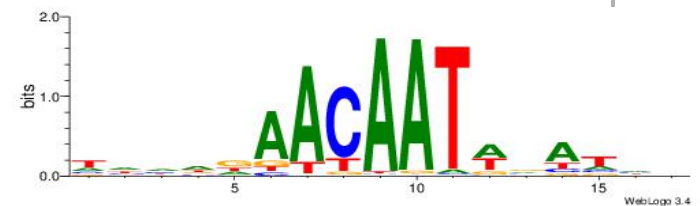
Original motif

Consensus sequence: DDATBWATTGTTHHDDD



Reverse complement motif

Consensus sequence: DDDHDAACAATWBATDD

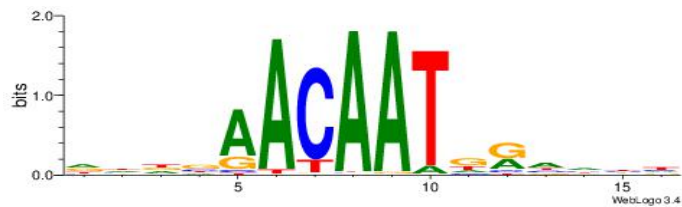


Motif ID: [UP00023](#)
 Motif name: Sox30_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11

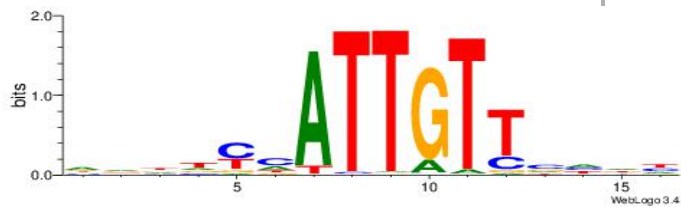
Similarity score: 0.00263261

Alignment:
HHHHMHATTGTTBDHD
----DHATTTTADD--

Original motif
Consensus sequence: DHDBAACAATDRHHHH



Reverse complement motif
Consensus sequence: HHHHMHATTGTTBDHD

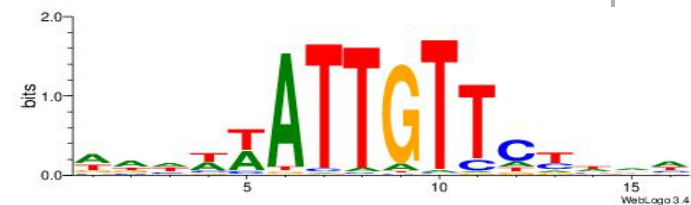
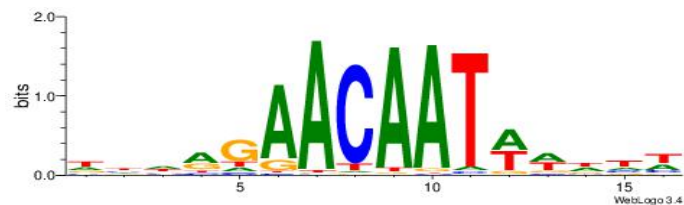


Motif ID: [UP00096](#)
Motif name: Sox13_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.00324502

Alignment:
WHDWWATTGTTCKDHD
---DHATTTTADD--

Original motif
Consensus sequence: DHDRGAACAATWWDHW

Reverse complement motif
Consensus sequence: WHDWWATTGTTCKDHD



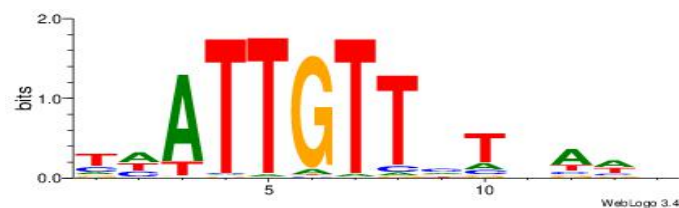
Motif ID: [UP00101](#)
 Motif name: Sox12_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.00331279

Alignment:

THATTGTTVTHAWH
 DHATTTTADD---

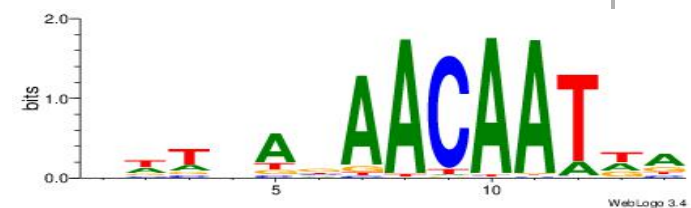
Original motif

Consensus sequence: THATTGTTVTHAWH



Reverse complement motif

Consensus sequence: DWTHAVAACAATHA



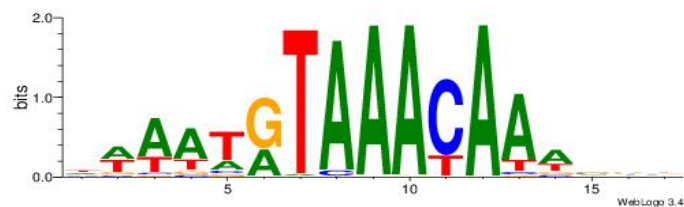
Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0034964

Alignment:

VVWTTGTTTAMATTWD
 --DHATTTTADD----

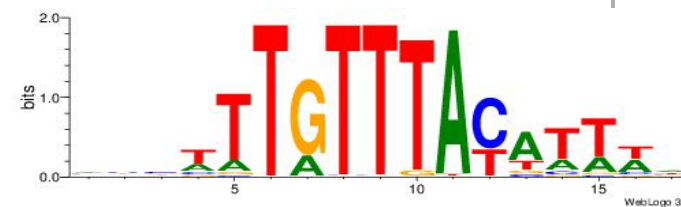
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVWTTGTTTAMATTWD



Motif ID: [UP00075](#)
 Motif name: Sox15_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3

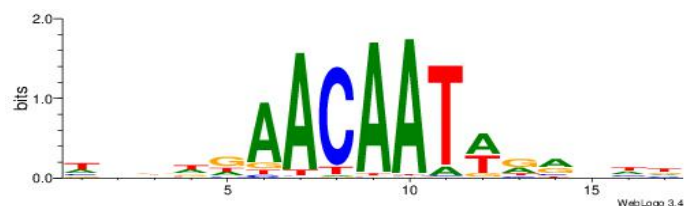
Number of overlap: 11
Similarity score: 0.00406738

Alignment:

HDDDDAACAATWRRBHD
--DDTAAAAATHD----

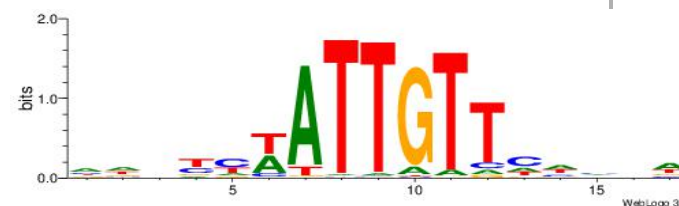
Original motif

Consensus sequence: HDDDDAACAATWRRBHD



Reverse complement motif

Consensus sequence: DHVKMWATTGTTHDHDH



Dataset #: 4 **Motif ID: 86** **Motif name: aaCAAAAACaa**

Original motif

Consensus sequence: HHCAAAAACAH



Reverse complement motif

Consensus sequence: HTGTTTTTGHH



Best Matches for Motif ID 86 (Highest to Lowest)

Motif ID: [UP00025](#)
Motif name: Foxk1_secondary
Species: Mus musculus

Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	11
Similarity score:	0

Alignment:

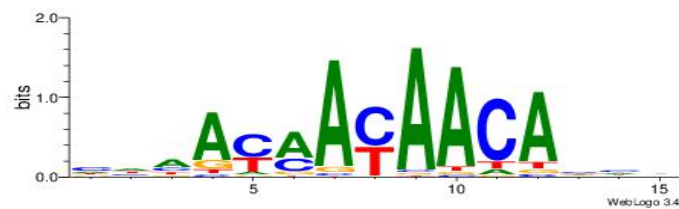
```

HDDTGTTKTTKTHHD
--HTGTTTTTGHH--

```

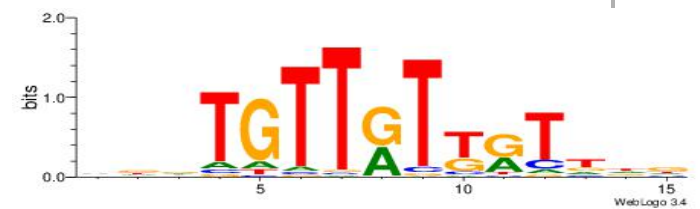
Original motif

Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



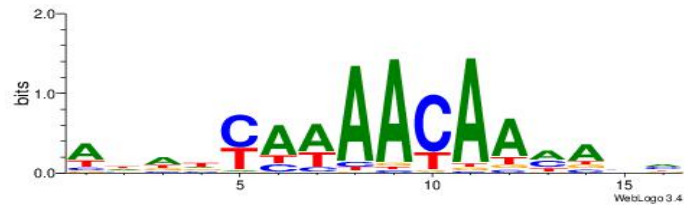
Motif ID:	UP00061
Motif name:	Foxl1_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	11
Similarity score:	0.0172856

Alignment:

HDTYTTGTTWTKDDDT
----HTGTTTTTGHH--

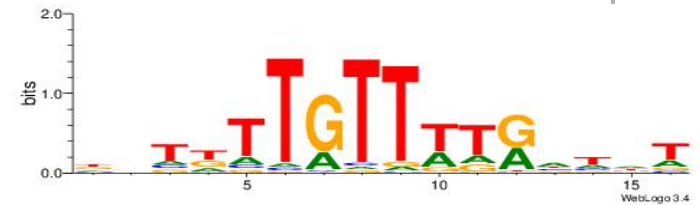
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



Motif ID:	UP00040
Motif name:	Irf5_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	11
Similarity score:	0.0178701

Alignment:

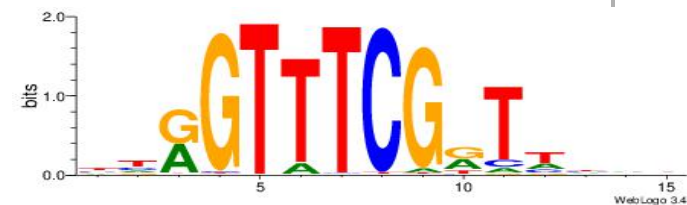
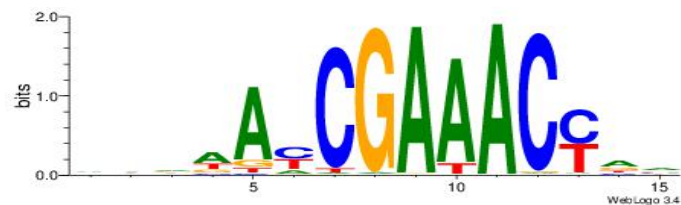
BDKGTTTCGKTWDDD
HTGTTTTTGHH----

Original motif

Consensus sequence: DDDWAYCGAAACYDV

Reverse complement motif

Consensus sequence: BDKGTTTCGKTWDDD

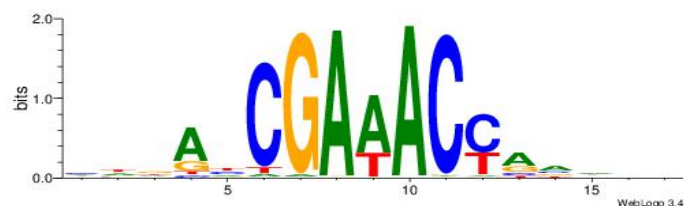


Motif ID: [UP00011](#)
 Motif name: Irf6_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.018453

Alignment:
 HDDAHCGAAACYAVDDD
 ---HHCAAAAACAH---

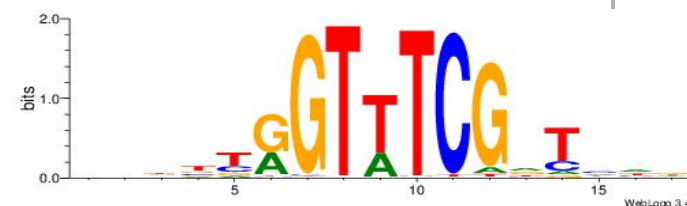
Original motif

Consensus sequence: HDDAHCGAAACYAVDDD



Reverse complement motif

Consensus sequence: DHDBTKGTTTCGHTHDD



Motif ID: [UP00039](#)

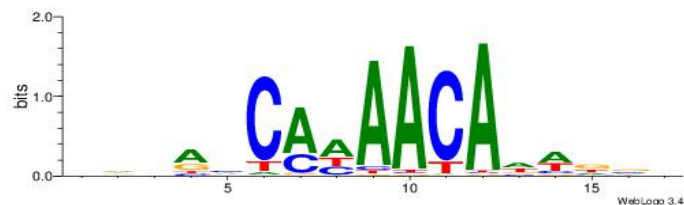
Motif name: Foxj3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0186097

Alignment:

DVHWDTGTTWTGDTBDH
 ----HTGTTTTTGH--

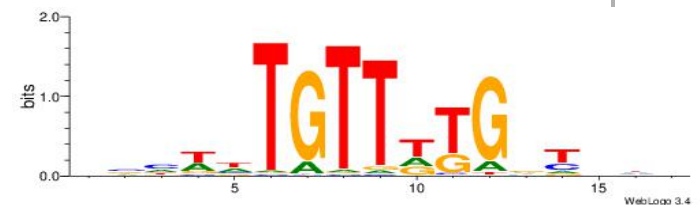
Original motif

Consensus sequence: HDBAHCAWAACADWDVD



Reverse complement motif

Consensus sequence: DVHWDTGTTWTGDTBDH



Motif ID: [UP00077](#)
 Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11

Similarity score: 0.0191319

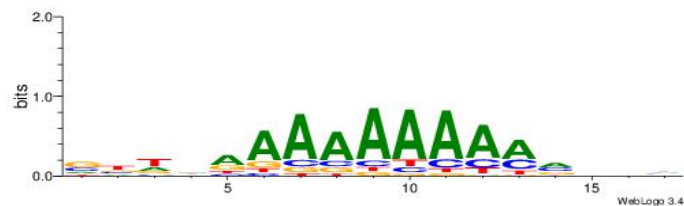
Alignment:

VBDDAAAAAAAAAMVBHH

---HHCAAAAACAH---

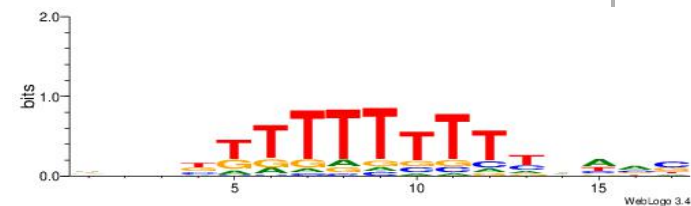
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDV



Motif ID: [UP00018](#)
Motif name: Irf4_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0201092

Alignment:

VDDAYCGAAACYDVA

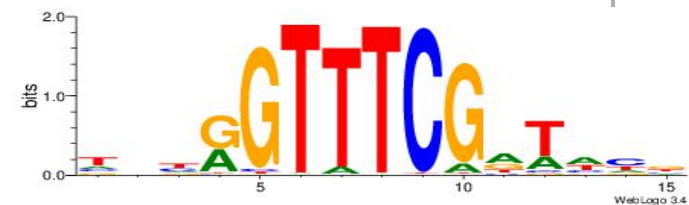
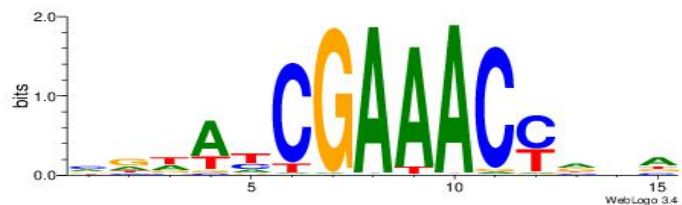
---HHCAAAAACAH-

Original motif

Consensus sequence: VDDAYCGAAACYDVA

Reverse complement motif

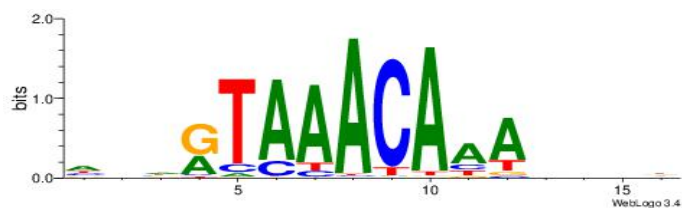
Consensus sequence: TBDKGTTCGMTDHV



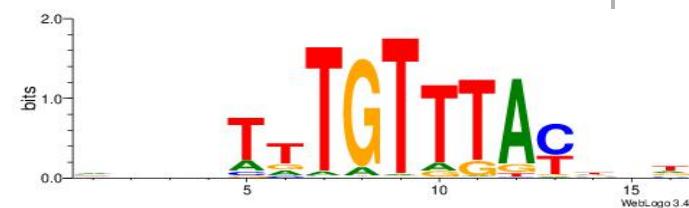
Motif ID: [UP00041](#)
 Motif name: Foxj1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.020345

Alignment:
 HDHRTAAACAAAHDDD
 HHC AAAACAH-----

Original motif
 Consensus sequence: HDHRTAAACAAAHDDD



Reverse complement motif
 Consensus sequence: DDDHTTTGTTTAMHDDH



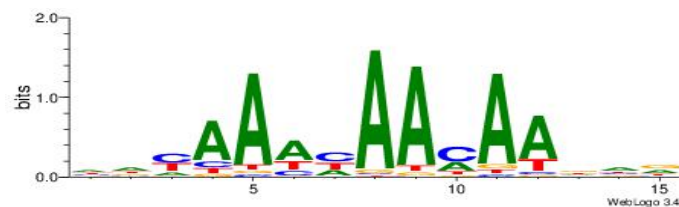
Motif ID: [UP00037](#)
 Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0205157

Alignment:

HDYAAHAAMAADHD
 ----HHCAAAACA

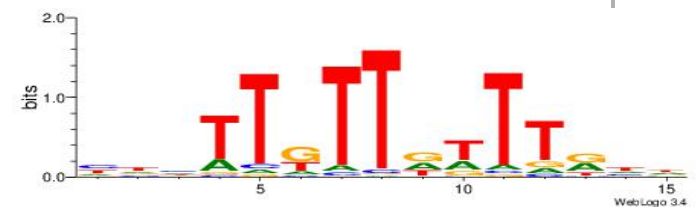
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTRTTDTTTKDH



Motif ID: [UP00039](#)
 Motif name: Foxj3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5

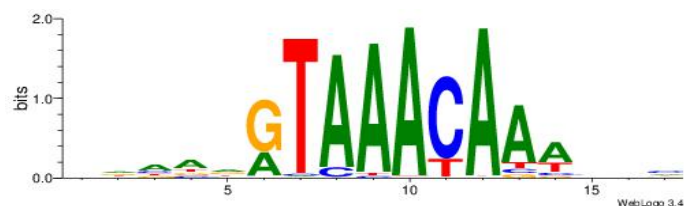
Number of overlap: 11
Similarity score: 0.021082

Alignment:

HDHADGTAAACAAAVVH
--HHCAAAAACAH----

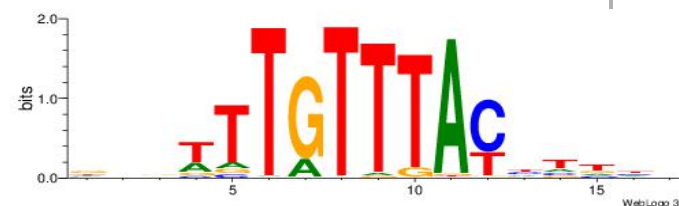
Original motif

Consensus sequence: HDHADGTAAACAAAVVH



Reverse complement motif

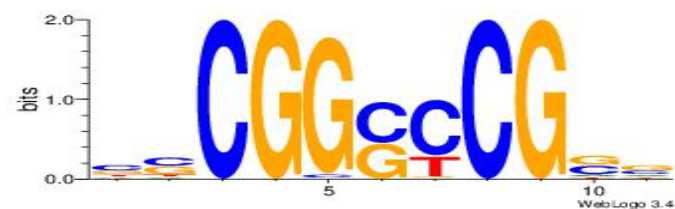
Consensus sequence: DVVTTTGTTTACDTHDH



Dataset #: 4 **Motif ID: 87** **Motif name: ssCGGsYCGss**

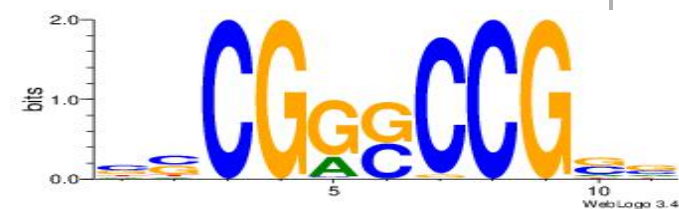
Original motif

Consensus sequence: BSCGGSCCGSV



Reverse complement motif

Consensus sequence: VSCGGSCCGSB



Best Matches for Motif ID 87 (Highest to Lowest)

Motif ID: [UP00009](#)
Motif name: Nr2f2_secondary
Species: Mus musculus

Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	11
Similarity score:	0.0041916

Alignment:

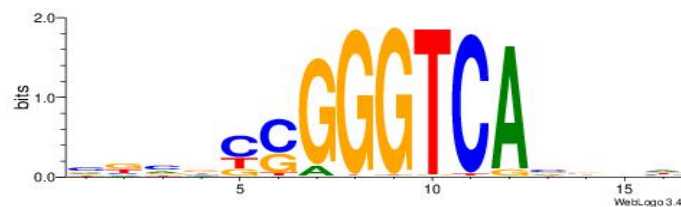
```

VBVBCSGGGTCAVBBH
---BSCGGSCCGSV--

```

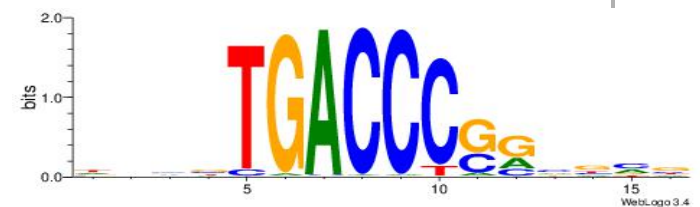
Original motif

Consensus sequence: VBVBCSGGGTCAVBBH



Reverse complement motif

Consensus sequence: HVBVTGACCCSGBVBV



Motif ID:	UP00087
Motif name:	Tcfap2c_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	11
Similarity score:	0.0167626

Alignment:

DTHSCCKSMGGSHHW

--VSCGGSCCGSB--

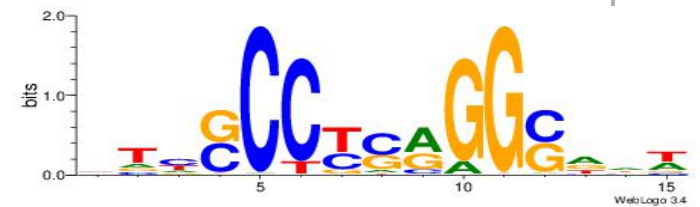
Original motif

Consensus sequence: WHHSCCYSRGGSDAD



Reverse complement motif

Consensus sequence: DTHSCCKSMGGSHHW



Motif ID:	UP00005
Motif name:	Tcfap2a_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	11
Similarity score:	0.0181073

Alignment:

DTMSCCKSMGGSHDW

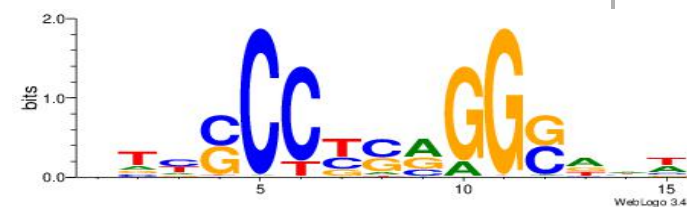
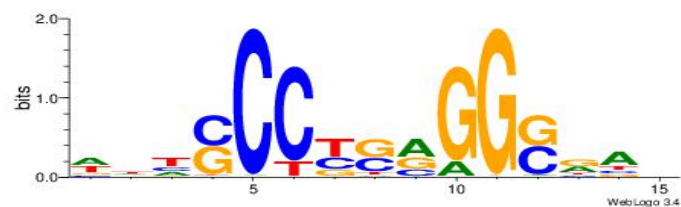
--VSCGGSCCGSB--

Original motif

Consensus sequence: WDHSCCYSRGGSRAD

Reverse complement motif

Consensus sequence: DTMSCCKSMGGSHDW

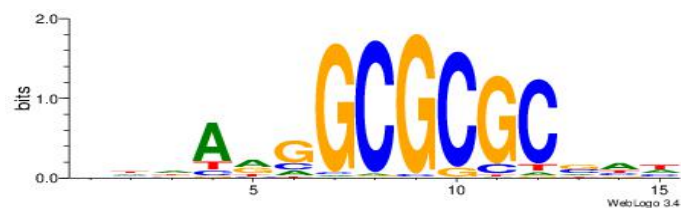


Motif ID: [UP00001](#)
 Motif name: E2F2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0181335

Alignment:
 HHVGCGCGCCKTDHB
 --VSCGGSCCGSB--

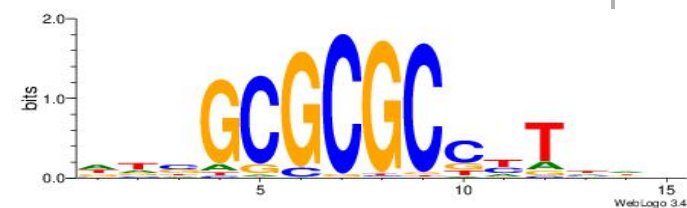
Original motif

Consensus sequence: VHDARGGCGCGCVHH



Reverse complement motif

Consensus sequence: HHVGCGCGCCKTDHB



Motif ID: [UP00033](#)

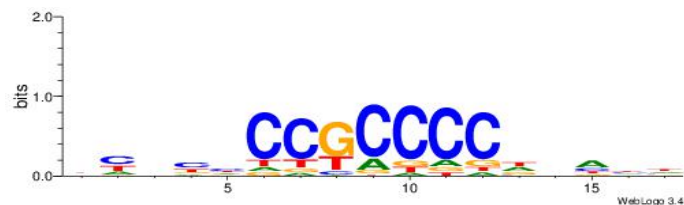
Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.018713

Alignment:

HHHHDGGGGCGGDBHDV
 ---BSCGGSCCGSV---

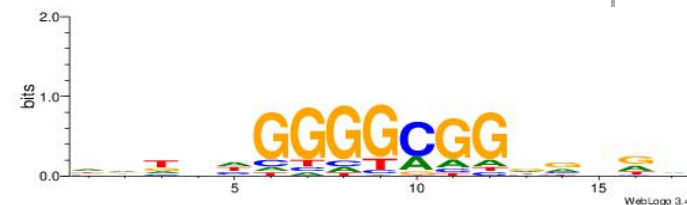
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



Motif ID: [UP00088](#)
 Motif name: Plagl1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 11

Similarity score: 0.0191969

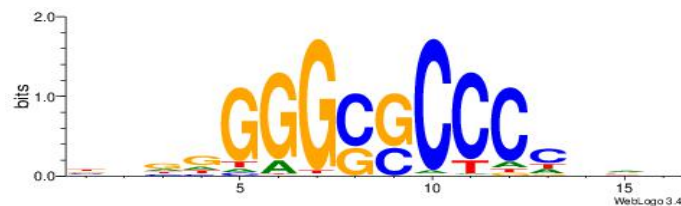
Alignment:

BHDGGGGSSCCCCBVV

---VSCGGSCCSB---

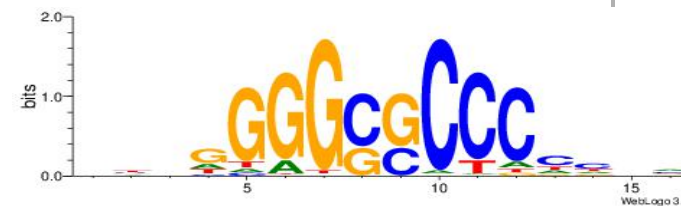
Original motif

Consensus sequence: BHDGGGGSSCCCCBVV



Reverse complement motif

Consensus sequence: VBVGGGGSSCCCCHHV



Motif ID: [UP00002](#)
Motif name: Sp4_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 11
Similarity score: 0.019282

Alignment:

BDHHMCGCCCCCTHVBB

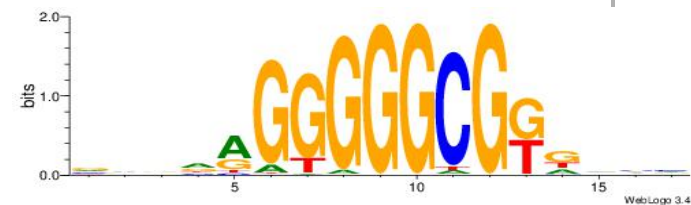
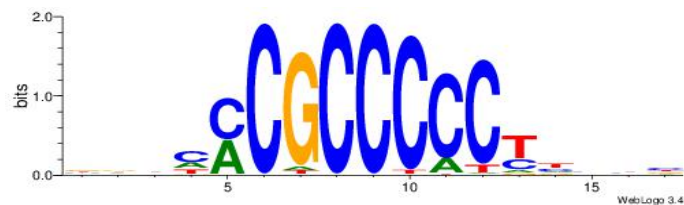
---VSCGGSCCSB---

Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB

Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



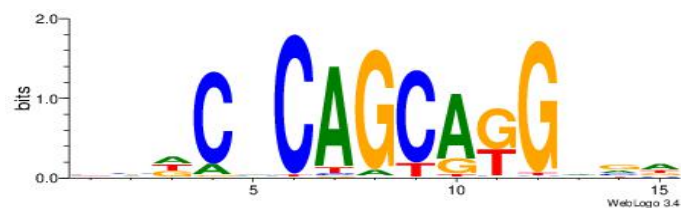
Motif ID: [UP00057](#)
 Motif name: Zic2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0195427

Alignment:

DVBCYTGCTGBGDDD
 -VSCGGSCCGSB---

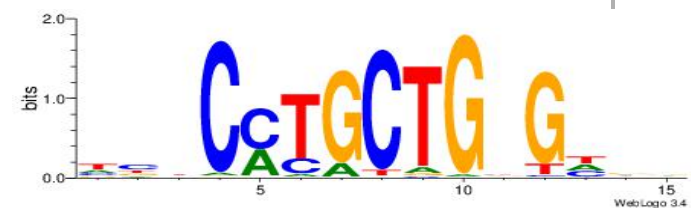
Original motif

Consensus sequence: HHDCVCAGCAKGVD



Reverse complement motif

Consensus sequence: DVBCYTGCTGBGDDD



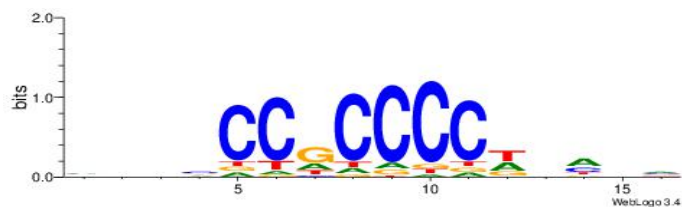
Motif ID: [UP00043](#)
 Motif name: Bcl6b_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0197663

Alignment:

HBBBCCGCCCCWHHHV
 ---VSCGGSCCBSB--

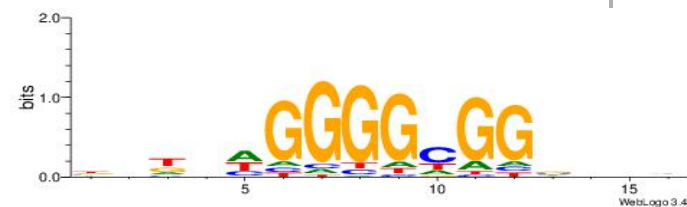
Original motif

Consensus sequence: HBBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



Motif ID: [UP00065](#)
 Motif name: Zfp161_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

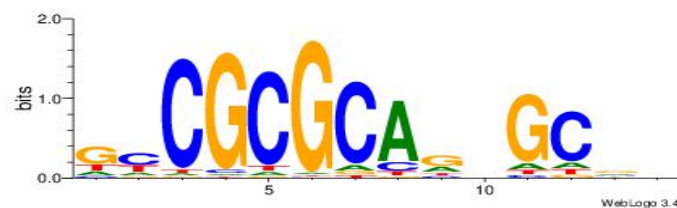
Number of overlap: 11
Similarity score: 0.0217605

Alignment:

GYCGCGCARBGCVB
VSCGGSCGCSB---

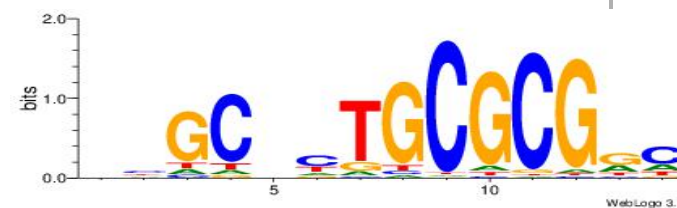
Original motif

Consensus sequence: GYCGCGCARBGCVB



Reverse complement motif

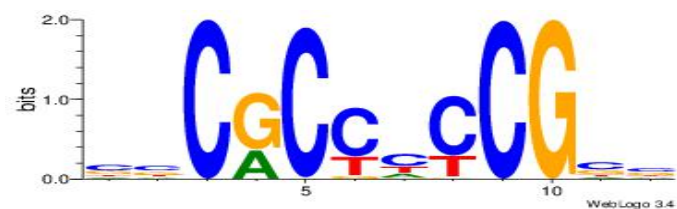
Consensus sequence: VVGCVMTGCGCGKC



Dataset #: 4 **Motif ID: 88** **Motif name: ssCrCYyYCGss**

Original motif

Consensus sequence: BBCRCCYCCGBB



Reverse complement motif

Consensus sequence: BBCGGKGGMGBB



Best Matches for Motif ID 88 (Highest to Lowest)

Motif ID: [UP00007](#)
Motif name: Egr1_primary
Species: Mus musculus

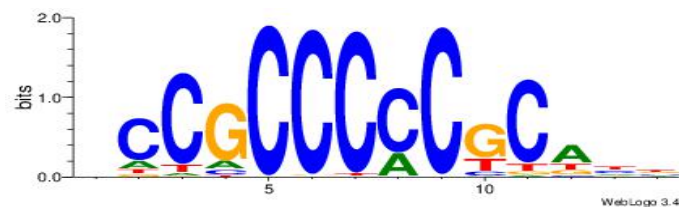
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	12
Similarity score:	0

Alignment:

```
HCCGCCCCCGCAHB
BBCRCCYCCGBB--
```

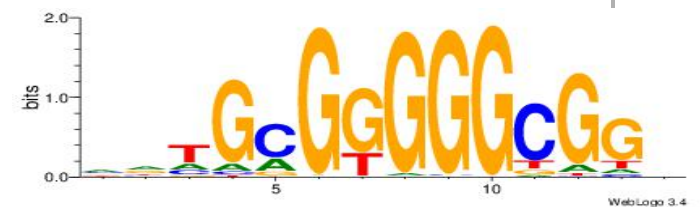
Original motif

Consensus sequence: HCCGCCCCCGCAHB



Reverse complement motif

Consensus sequence: VHTGCGGGGGCGGH



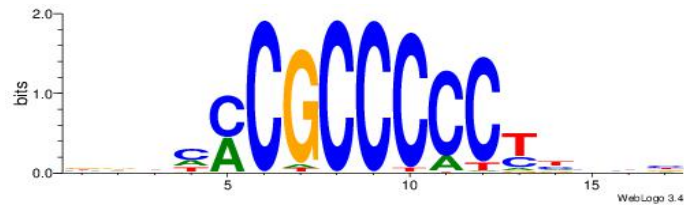
Motif ID:	UP00002
Motif name:	Sp4_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	12
Similarity score:	0.0017378

Alignment:

BVVHAGGGGGCGRDHHB
--BBCGKGGMGBB---

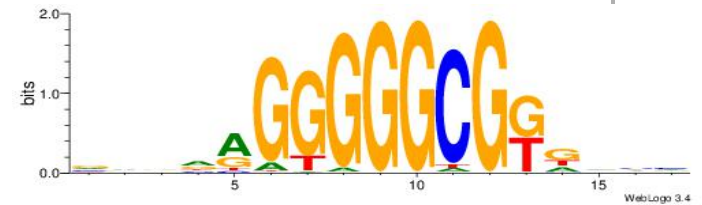
Original motif

Consensus sequence: BDHHC GCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



Motif ID:	UP00400
Motif name:	Zif268
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	6
Number of overlap:	12
Similarity score:	0.00511361

Alignment:

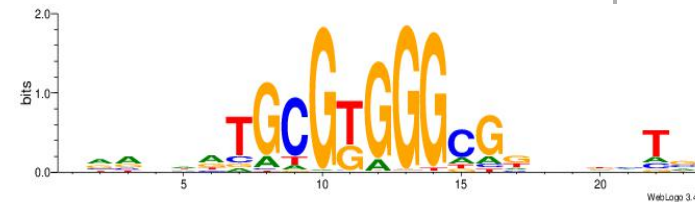
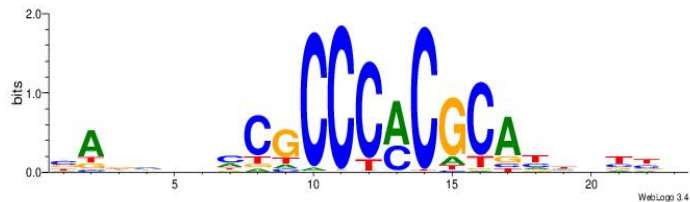
BADHBDHCGCCCMCGCAHDBBV
-----BBCRCCYCCGBB-----

Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHDBBV

Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



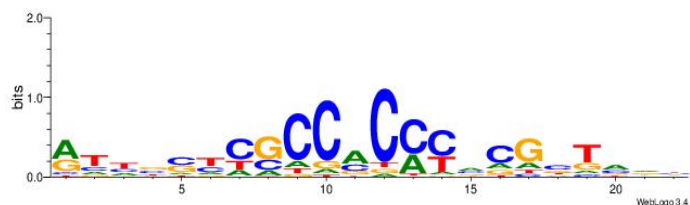
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0121746

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 -----BBCRCCYCCGBB---

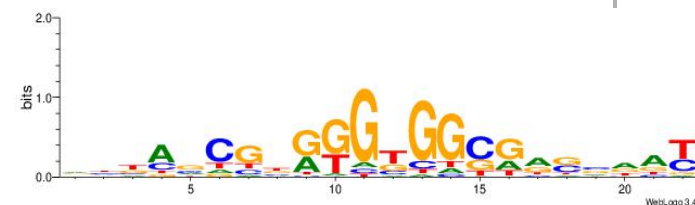
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID: [UP00022](#)

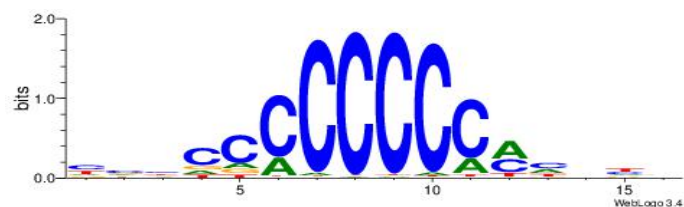
Motif name: Zfp740_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0166591

Alignment:

BHHDYGGGGGGGGBVD
 --BBCGKGGMGBB--

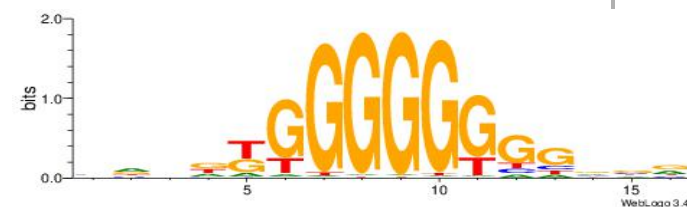
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGBVD

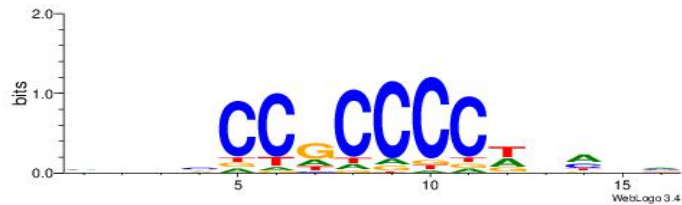


Motif ID: [UP00043](#)
 Motif name: Bcl6b_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12

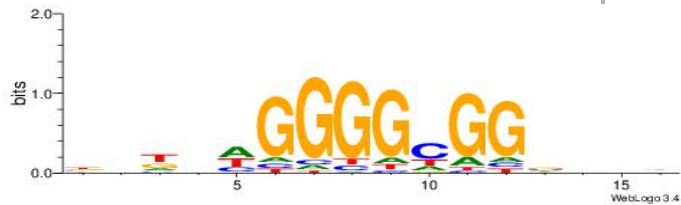
Similarity score: 0.0182309

Alignment:
BHHHWGGGGCGGBBVH
-BBCGKGGMGBB---

Original motif
Consensus sequence: HBBCCGCCCCWHHHV



Reverse complement motif
Consensus sequence: BHHHWGGGGCGGBBVH

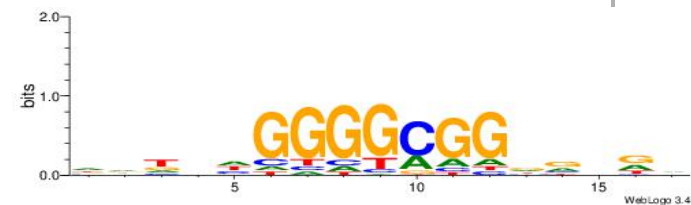
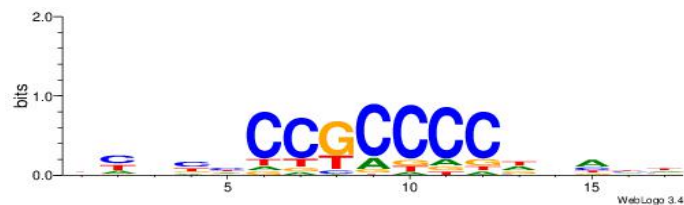


Motif ID: [UP00033](#)
Motif name: Zfp410_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 12
Similarity score: 0.0202898

Alignment:
HHHHDGGGGCGGDBHDV
-BBCGKGGMGBB----

Original motif
Consensus sequence: BHHBHCCGCCCDHHHH

Reverse complement motif
Consensus sequence: HHHHDGGGGCGGDBHDV



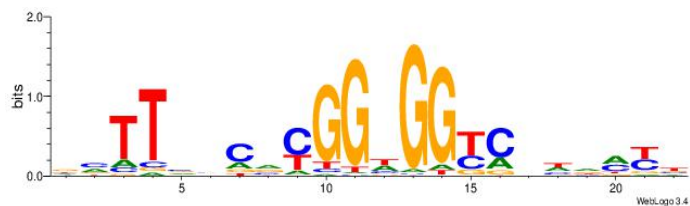
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0203969

Alignment:

VMYDHDGMCCCHCKBGVVAHVH
 ----BBCRCCYCCGBB-----

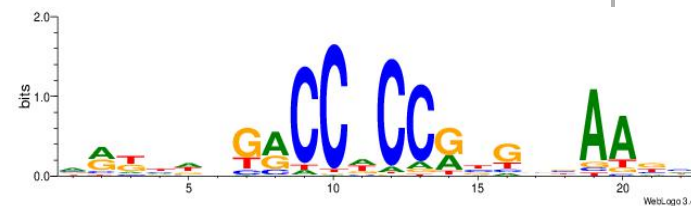
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH



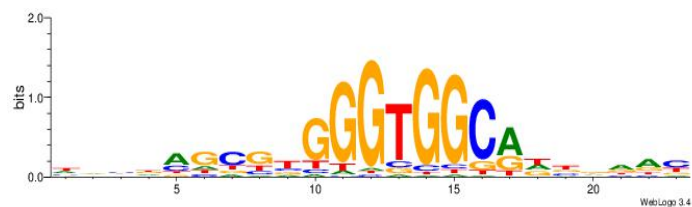
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0221373

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 -----BBCRCCYCCGBB-----

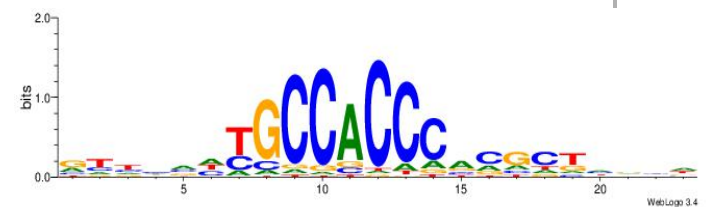
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID: [UP00000](#)
 Motif name: Smad3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6

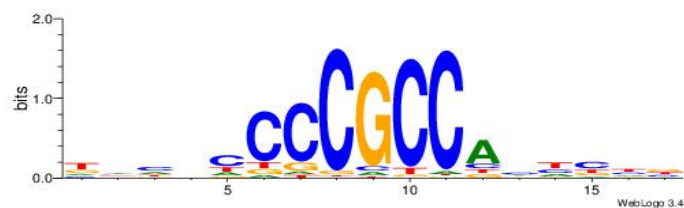
Number of overlap: 12
Similarity score: 0.0234529

Alignment:

DHHBCCCCGCCAHHBHB
-----BBCRCCYCCGBB

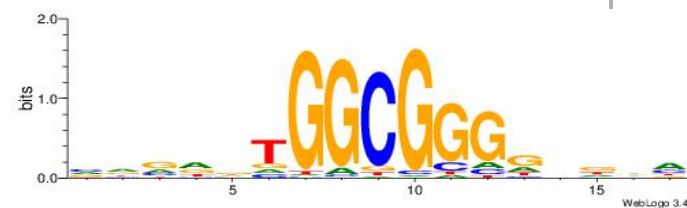
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

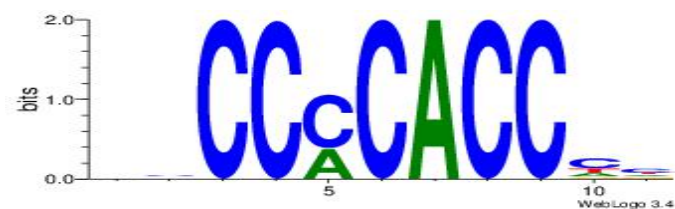
Consensus sequence: BHBHDTGGCGGGGBDHD



Dataset #: 4 **Motif ID: 89** **Motif name: ccCCmCACCCc**

Original motif

Consensus sequence: HBCCMCACCHH



Reverse complement motif

Consensus sequence: DDGGTGRGGBD



Best Matches for Motif ID 89 (Highest to Lowest)

Motif ID: [UP00093](#)
Motif name: Klf7_primary
Species: Mus musculus

Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	11
Similarity score:	0

Alignment:

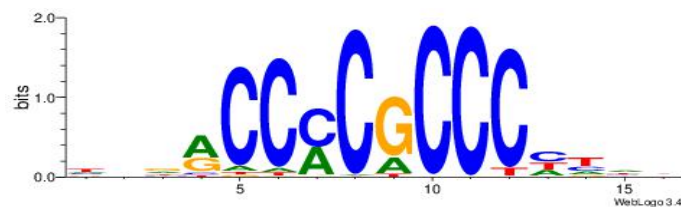
```

HBDRCMCGCCCHHD
--HBCCMCACCHH--

```

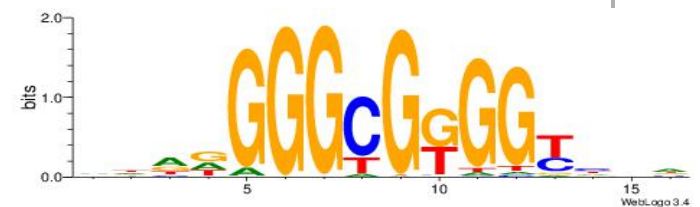
Original motif

Consensus sequence: HBDRCMCGCCCHHD



Reverse complement motif

Consensus sequence: DHHDGGGCGRGGKHBH



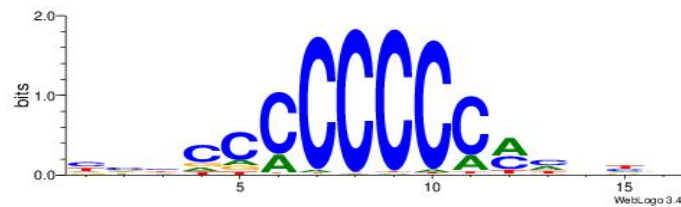
Motif ID:	UP00022
Motif name:	Zfp740_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	11
Similarity score:	0.00768447

Alignment:

HVBCCCCCCCCMHHHB
-HBCCMCACCHH----

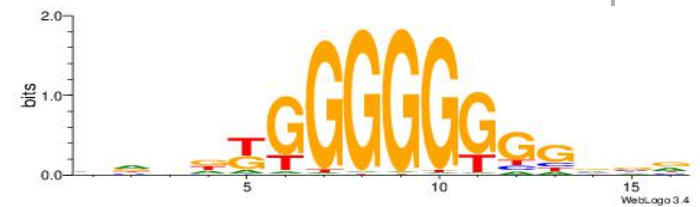
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGGBVD



Motif ID:	UP00000
Motif name:	Smad3_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	11
Similarity score:	0.0138334

Alignment:

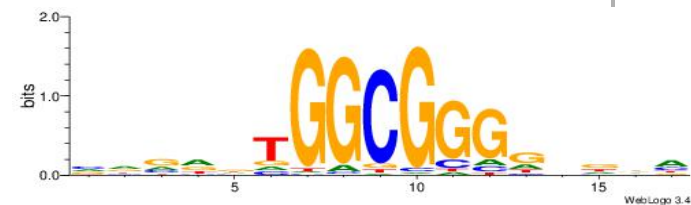
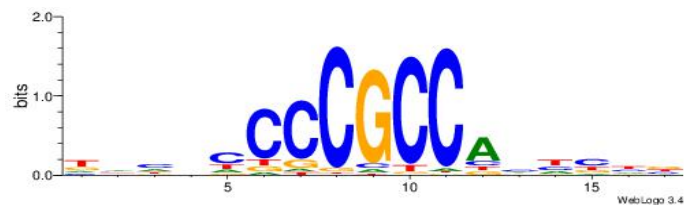
DHHBCCCCGCCAHHBHB
--HBCCMCACCHH----

Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB

Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD

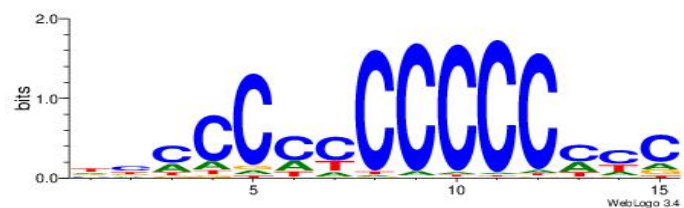


Motif ID: [UP00021](#)
 Motif name: Zfp281_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0173499

Alignment:
 DBCCCCCCCCCMYC
 --HBCCMCACCHH--

Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGBD



Motif ID: [UP00540](#)

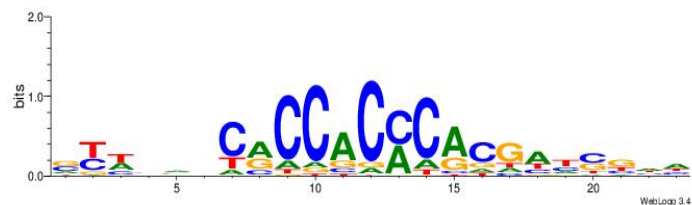
Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0217412

Alignment:

HHBSHTCGTGRGTGGKGDBVWMV
 -----DDGGTGRGGBD-----

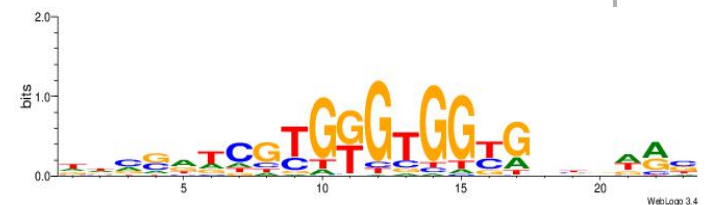
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Motif ID: [UP00068](#)
 Motif name: Eomes_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11

Similarity score: 0.0224448

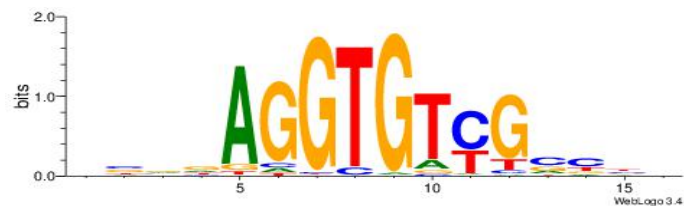
Alignment:

VVBVCKACACCTHVBV

--HBCCMCACCHH---

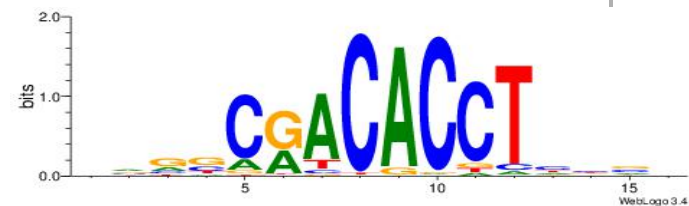
Original motif

Consensus sequence: VBVDAGGTGTGVBBV



Reverse complement motif

Consensus sequence: VVBVCKACACCTHVBV



Motif ID: [UP00043](#)
Motif name: Bcl6b_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0225902

Alignment:

HBBBCCGCCCCWHHHV

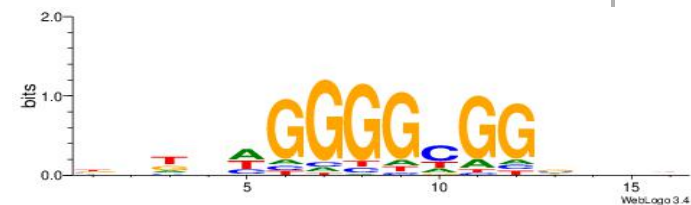
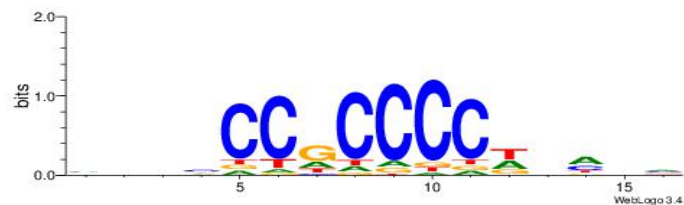
--HBCCMCACCHH---

Original motif

Consensus sequence: HBBBCCGCCCCWHHHV

Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



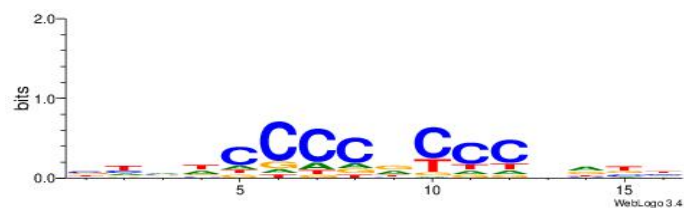
Motif ID: [UP00099](#)
 Motif name: Ascl2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0228722

Alignment:

BHVDCCCCDCCCBDBH
 --HBCCMCACCHH---

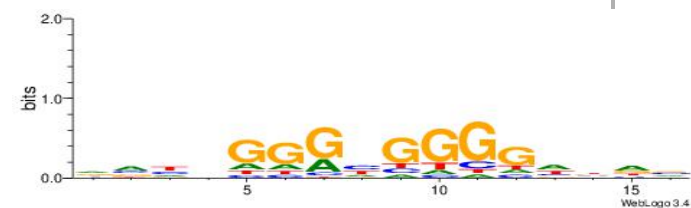
Original motif

Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif

Consensus sequence: HVDVGGGHGGGGDBHB



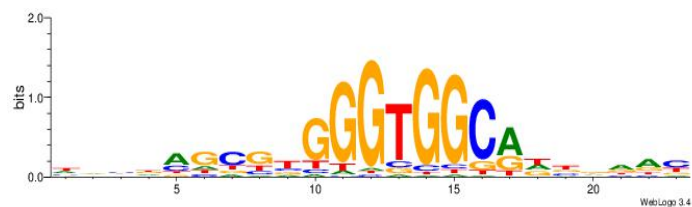
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 9
 Number of overlap: 11
 Similarity score: 0.0245037

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
 -----DDGGTGRGGBD-----

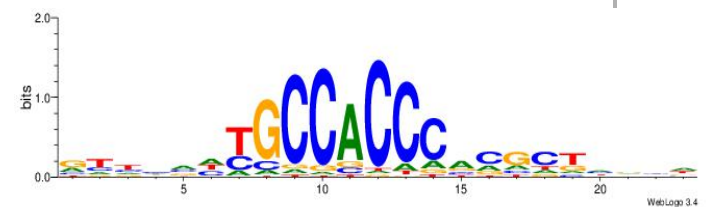
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5

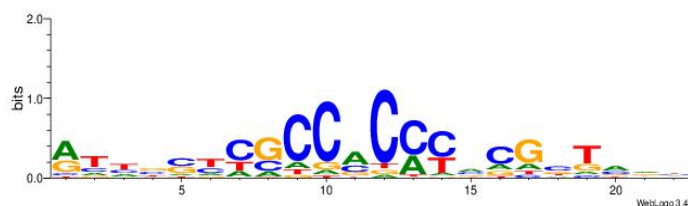
Number of overlap: 11
Similarity score: 0.0265658

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
-----HBCCMCACCHH-----

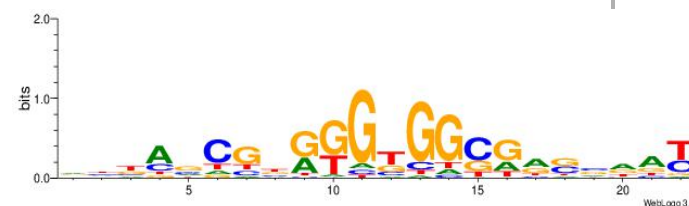
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Dataset #: 4 **Motif ID: 90** **Motif name: ssCGsCwsCss**

Original motif

Consensus sequence: BBCGSCWSCBB



Reverse complement motif

Consensus sequence: BBGSWGSCGGB



Best Matches for Motif ID 90 (Highest to Lowest)

Motif ID: [UP00099](#)
Motif name: Ascl2_primary
Species: Mus musculus

Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	11
Similarity score:	0.0130439

Alignment:

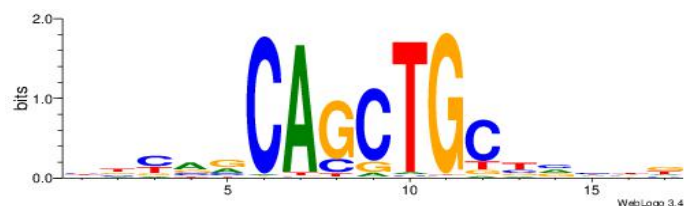
```

HHDVVGCAGCTGVBKVB
---BBSWGSCGBB---

```

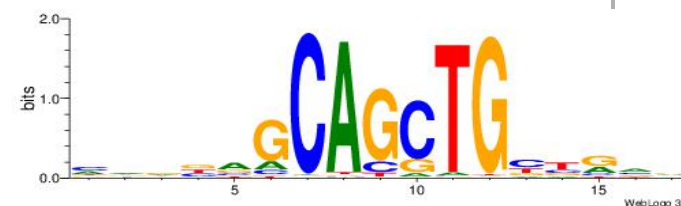
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HHDVVGCAGCTGVBKVB



Motif ID:	UP00002
Motif name:	Sp4_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	11
Similarity score:	0.0163536

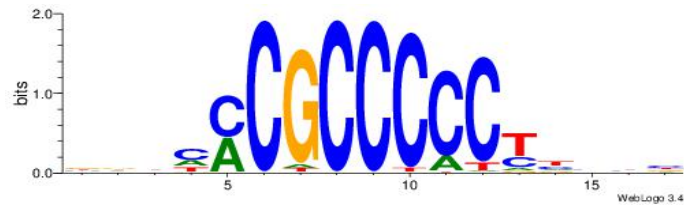
Alignment:

BDHHMCGCCCCCTHVBB

---BBCGSCWSCBB---

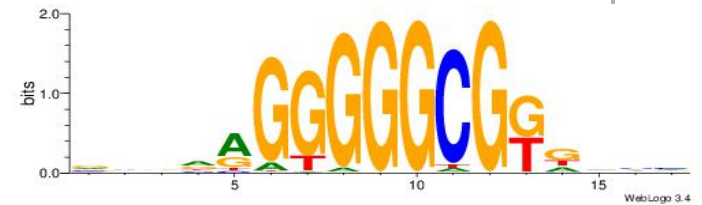
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



Motif ID:	UP00000
Motif name:	Smad3_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	6
Number of overlap:	11
Similarity score:	0.0174052

Alignment:

DHHBCCCCGCCAHHBHB

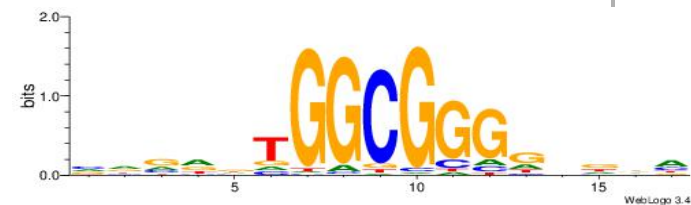
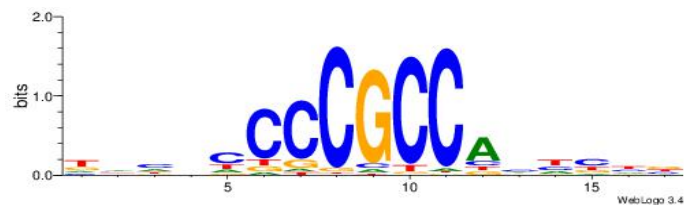
-----BBCGSCWSCBB-

Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB

Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD

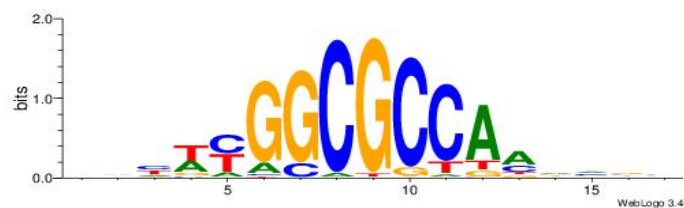


Motif ID: [UP00003](#)
 Motif name: E2F3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0191478

Alignment:
 BBBDYTGGCGCKWDBD
 -BBGSWGSCGBB-----

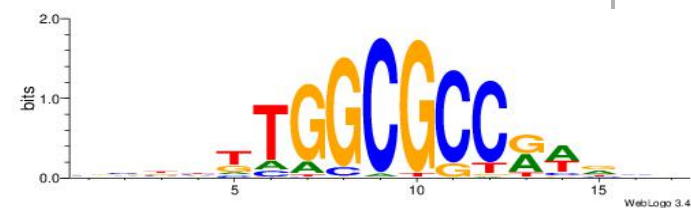
Original motif

Consensus sequence: HBHWYGGCGCCAMDVBB



Reverse complement motif

Consensus sequence: BBBDYTGGCGCKWDBD



Motif ID: [UP00038](#)

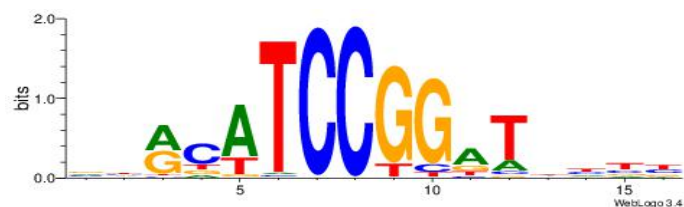
Motif name: Spdef_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0192028

Alignment:

VHRCATCCGGATHHBB
 BBGSWGSCGBB-----

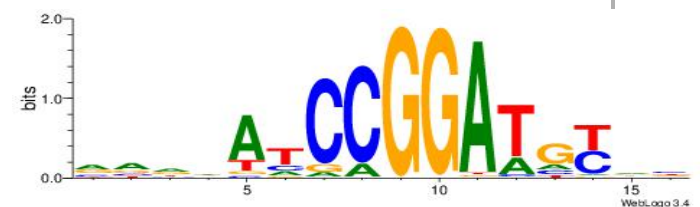
Original motif

Consensus sequence: VHRCATCCGGATHHBB



Reverse complement motif

Consensus sequence: VVHHATCCGGATGKHV



Motif ID: [UP00036](#)
 Motif name: Myf6_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11

Similarity score: 0.0207004

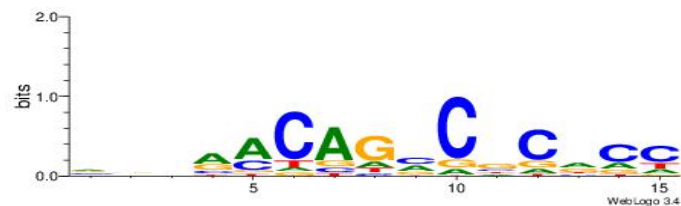
Alignment:

GGDGBGVCTGTKVVB

--BBCGSCWSCBB--

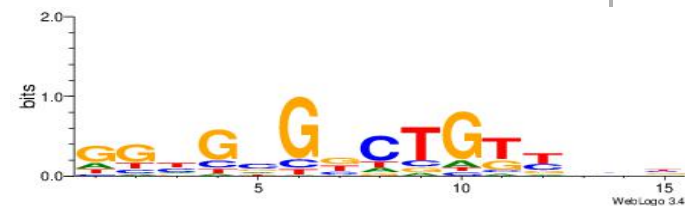
Original motif

Consensus sequence: VVVRACAGVCBCDCC



Reverse complement motif

Consensus sequence: GGDGBGVCTGTKVVB



Motif ID: [UP00001](#)
Motif name: E2F2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0211994

Alignment:

BBBDTTGGCGCCKWVVD

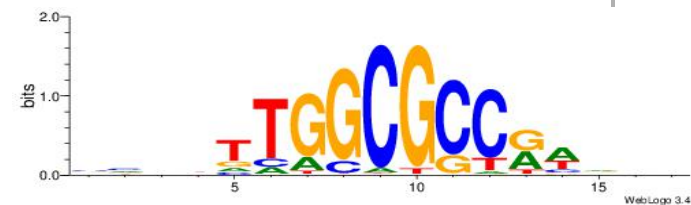
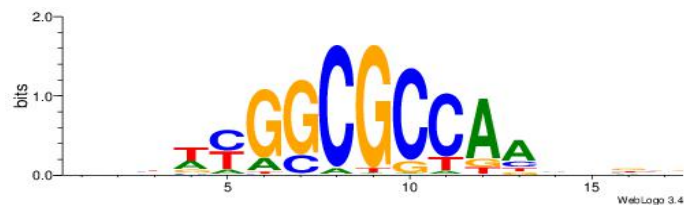
-----BBCGSCWSCBB

Original motif

Consensus sequence: HVBWYGGCGCCAADVBB

Reverse complement motif

Consensus sequence: BBBDTTGGCGCCKWVVD



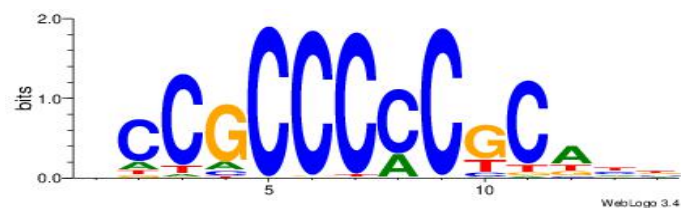
Motif ID: [UP00007](#)
 Motif name: Egr1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0223013

Alignment:

HCCGCCCCCGCAHB
 BBCGSCWSCBB---

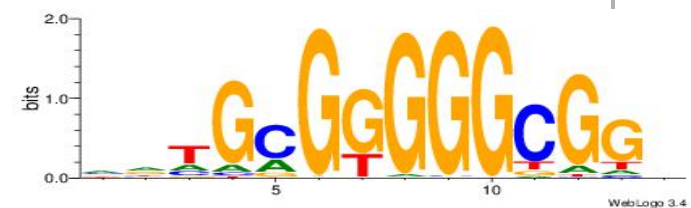
Original motif

Consensus sequence: HCCGCCCCCGCAHB



Reverse complement motif

Consensus sequence: VHTGCGGGGGCGGH



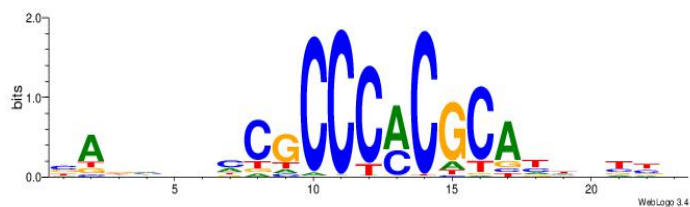
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0243838

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
 -----BBCGSCWSCBB-----

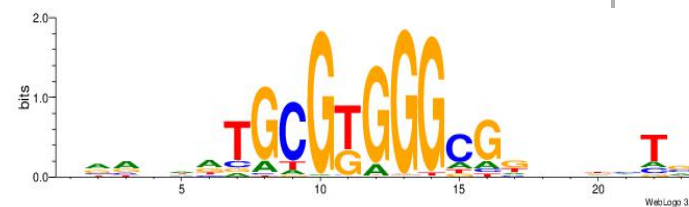
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



Motif ID: [UP00046](#)
 Motif name: Tcf2a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5

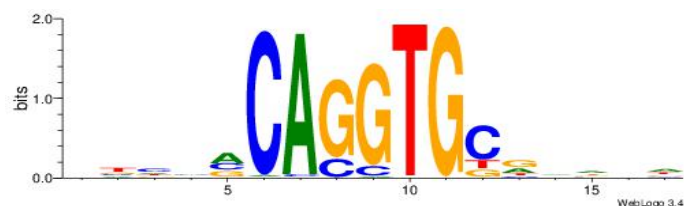
Number of overlap: 11
Similarity score: 0.0243929

Alignment:

DHDBHGCACCTGBDDVB
----BBCGSCWSCBB--

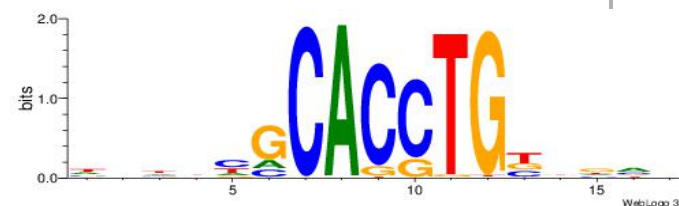
Original motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Reverse complement motif

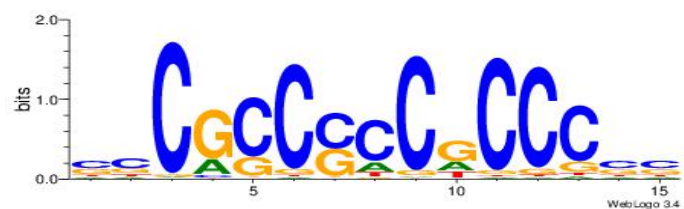
Consensus sequence: DHDBHGCACCTGBDDVB



Dataset #: 4 **Motif ID: 91** **Motif name: ssCGCCsCCrCCCss**

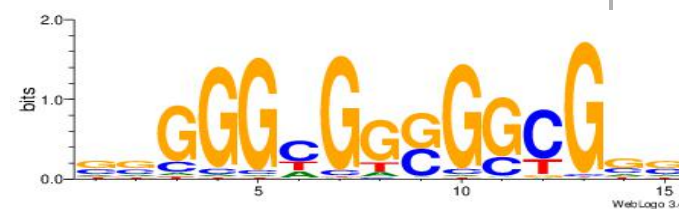
Original motif

Consensus sequence: SSCGCCSCCGCCCCS



Reverse complement motif

Consensus sequence: SSGGGCGGSGGCGSS



Best Matches for Motif ID 91 (Highest to Lowest)

Motif ID: [UP00400](#)
Motif name: Zif268
Species: Mus musculus

Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	15
Similarity score:	0.013801

Alignment:

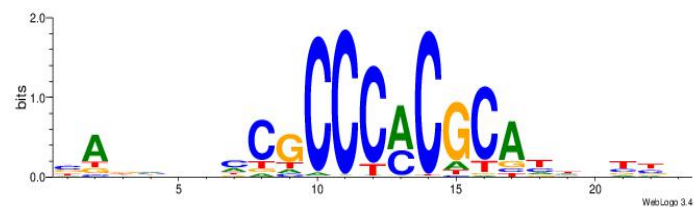
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BADHBDHCGCCCMCGCAHHDBBV
-----SSCGCCSCCGCCSS---

```

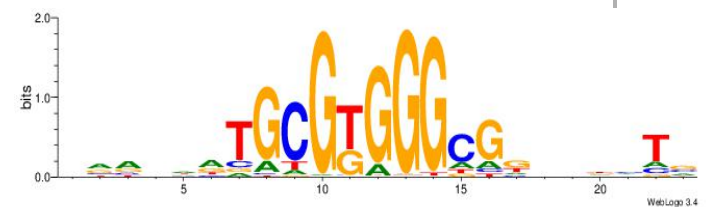
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB



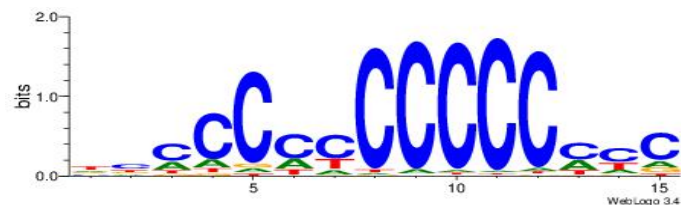
Motif ID:	UP00021
Motif name:	Zfp281_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	15
Similarity score:	0.0189308

Alignment:

GKRGGGGGGGGGGBD
SSGGGCGSGGCGSS

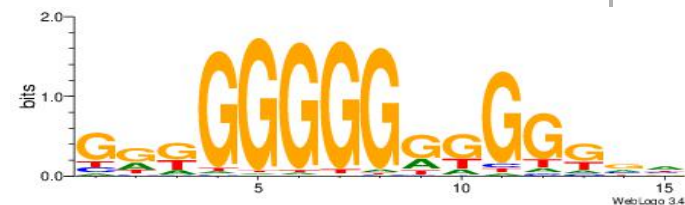
Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD



Motif ID:	UP00539
Motif name:	Gli2_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	15
Similarity score:	0.0243383

Alignment:

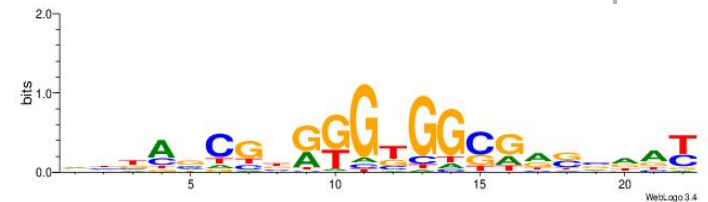
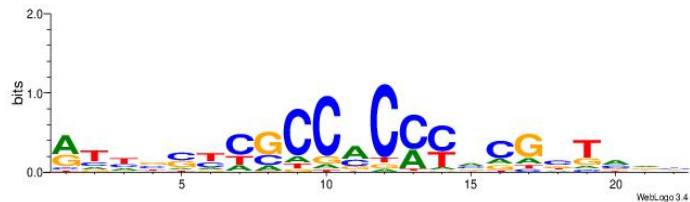
RTHBSYCGCCMCMYVCGBTVDH
-SSCGCCSCCGCCSS-----

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

Reverse complement motif

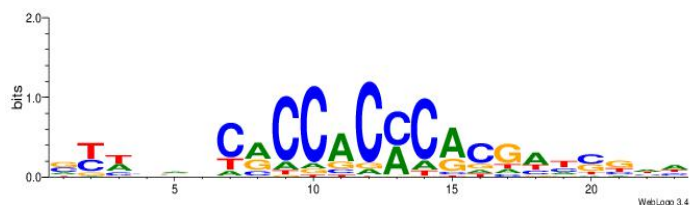
Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



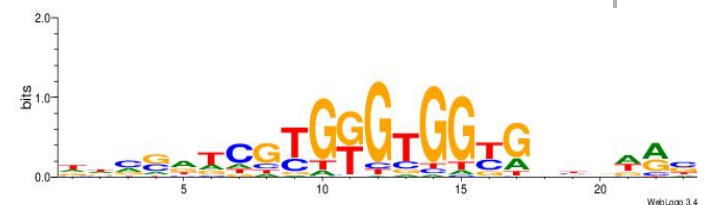
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0259668

Alignment:
 VYWVVHCRCCACMCACGAHSBHH
 -SSCGCCSCCGCCCSS-----

Original motif
 Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif
 Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Motif ID: [UP00000](#)

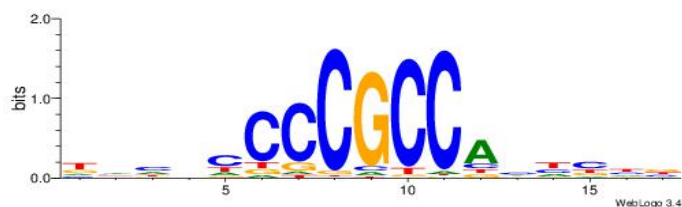
Motif name: Smad3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 15
 Similarity score: 0.0261816

Alignment:

DHHBCCCCGCCAHHBHB
 --SSCGCCSCCGCCSS

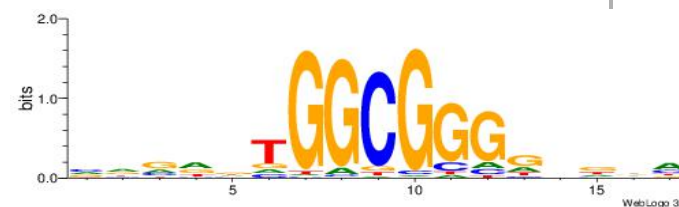
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD



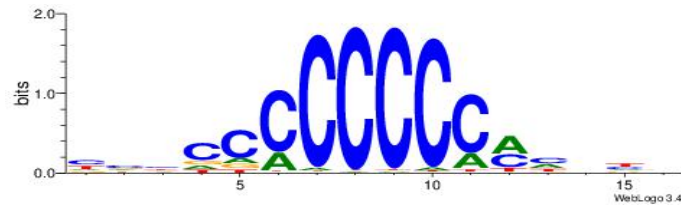
Motif ID: [UP00022](#)
 Motif name: Zfp740_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0275827

Alignment:

HVBCCCCCCCCMHHHB
-SSCGCCSCCGCCCCSS

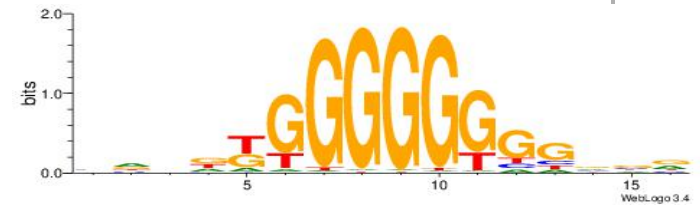
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGGBVD



Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	15
Similarity score:	0.0288149

Alignment:

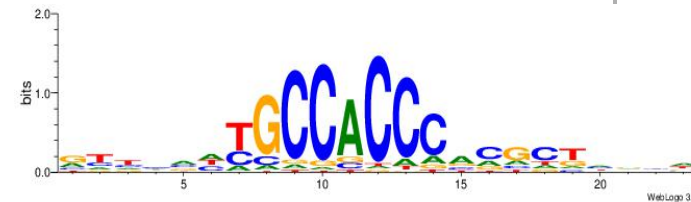
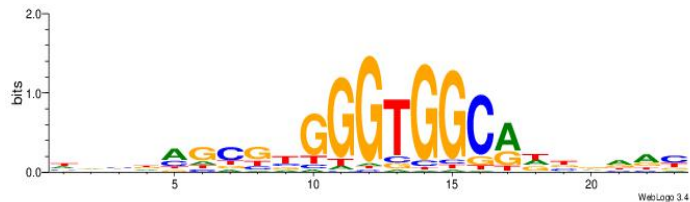
BDDHVDKGCCACCCVCGCTDBVH
-----SSCGCCSCCGCCCCSS-

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

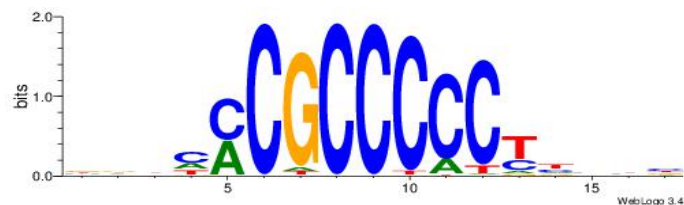
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



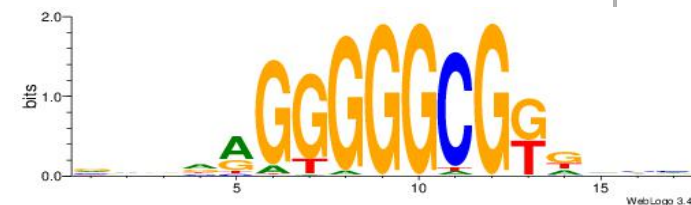
Motif ID: [UP00002](#)
 Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0313909

Alignment:
 BDHMC GCCCCTHVBB
 SSCGCCSCGCCCSS--

Original motif
 Consensus sequence: BDHMC GCCCCTHVBB



Reverse complement motif
 Consensus sequence: BVVHAGGGGGCGRDHHB



Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary

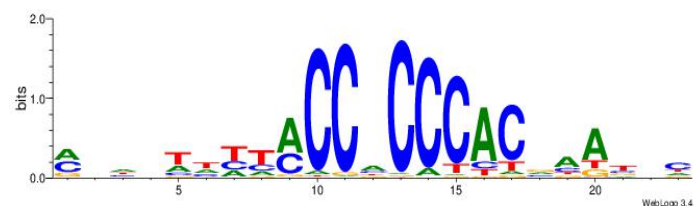
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0337952

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 -----SSCGCCSCCGCCCSS

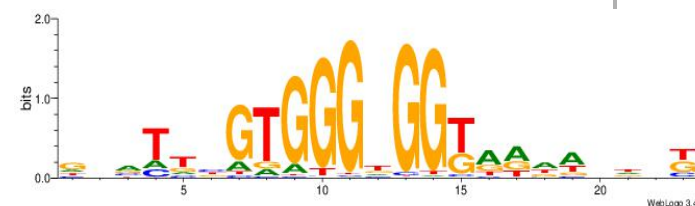
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Motif ID: [UP00033](#)
 Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0340021

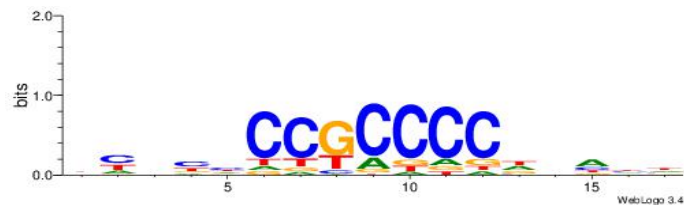
Alignment:

HHHHDGGGGCGGDBHDV

-SSGGGCGGSGGCGSS-

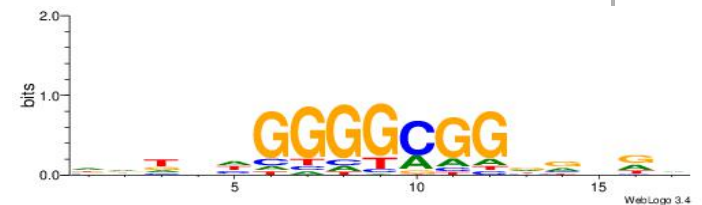
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



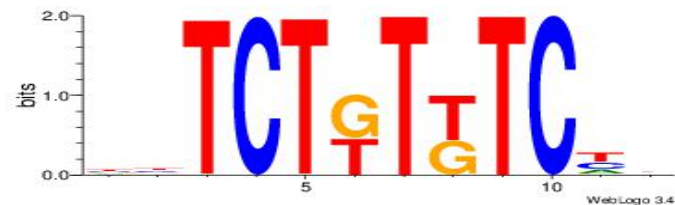
Dataset #: 4

Motif ID: 92

Motif name: tyTCTkTkTCyy

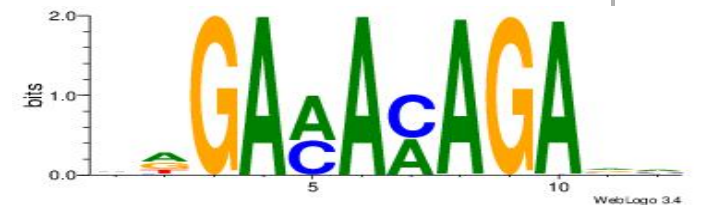
Original motif

Consensus sequence: BBTCTKTKTCHB



Reverse complement motif

Consensus sequence: VHGARAYAGAVV



Best Matches for Motif ID 92 (Highest to Lowest)

Motif ID:

[UP00041](#)

Motif name:

Foxj1_primary

Species:

Mus musculus

Matching format of first motif:

Original Motif

Matching format of second motif:

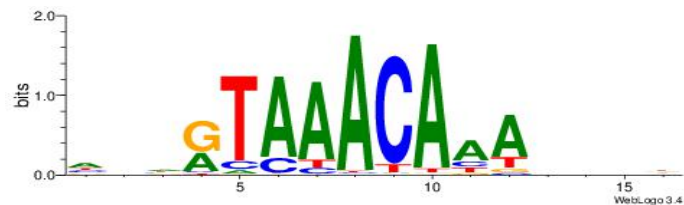
Reverse Complement

Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.00580204

Alignment:
 DDDHTTTGTTTAMHDH
 --BBTCTKTKTCHB--

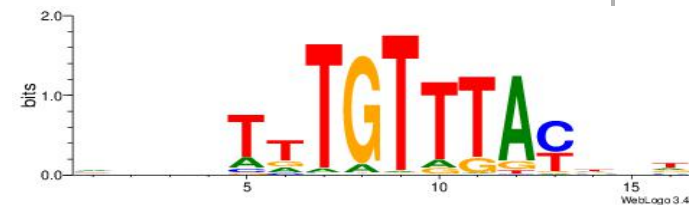
Original motif

Consensus sequence: HDHRTAAACAAHDDD



Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDH



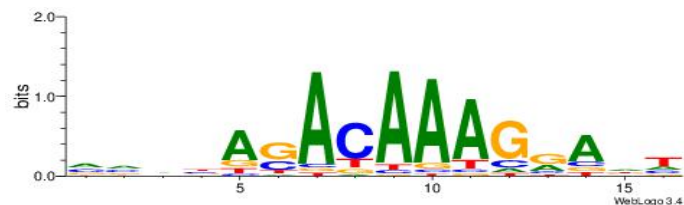
Motif ID: [UP00101](#)
 Motif name: Sox12_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.00792317

Alignment:

HDTMCTTTGTSTVDBB
-BBTCTKTKTCHB---

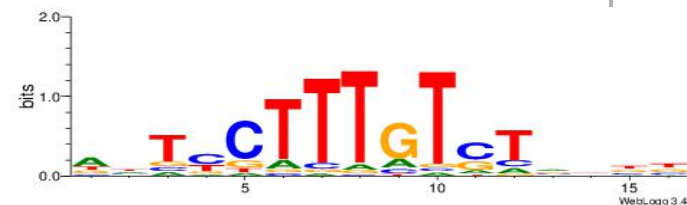
Original motif

Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



Motif ID:	UP00039
Motif name:	Foxj3_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	12
Similarity score:	0.0121

Alignment:

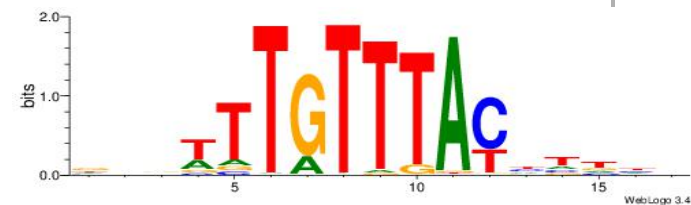
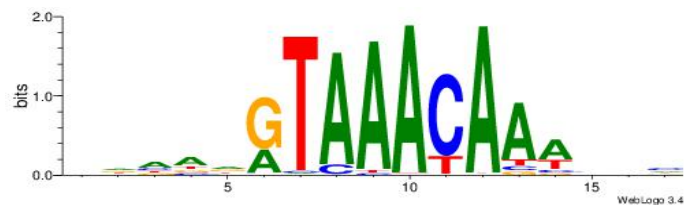
DVTTTGTTTACDTHDH
-BBTCTKTKTCHB----

Original motif

Consensus sequence: HDHADGTAAACAAVVH

Reverse complement motif

Consensus sequence: DVTTTGTTTACDTHDH

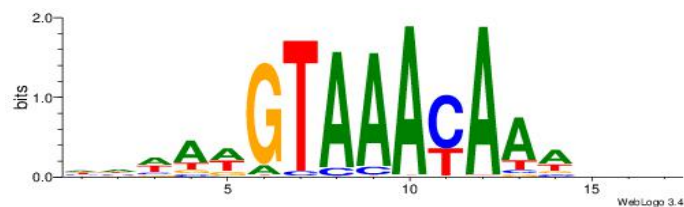


Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0121551

Alignment:
 BDVTTTKTTTACWTWHH
 -BBTCTKTKTCHB----

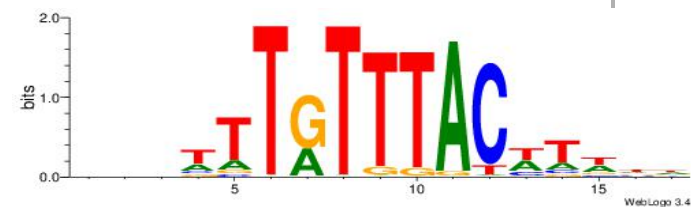
Original motif

Consensus sequence: HHWAWGTAAAYAAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



Motif ID: [UP00062](#)

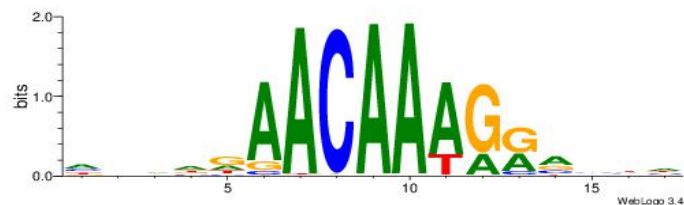
Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0139275

Alignment:

HHBBMCTTTGTTTHDDBH
 --BBTCTKTKTCHB---

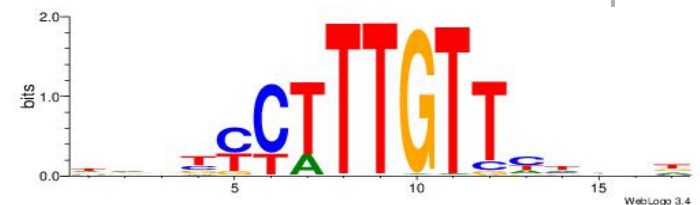
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTTHDDBH

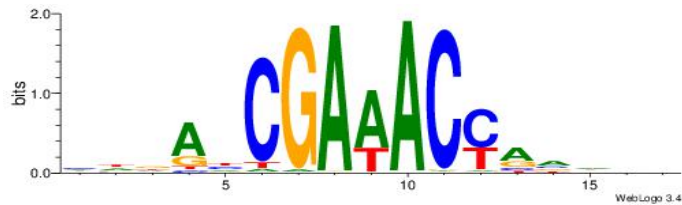


Motif ID: [UP00011](#)
 Motif name: Irf6_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 12

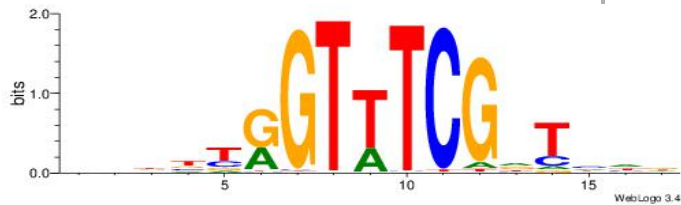
Similarity score: 0.015539

Alignment:
DHDBTKGTTTCGHTHDD
-BBTCTKTKTCHB----

Original motif
Consensus sequence: HDDAHCGAAACYAVDDD



Reverse complement motif
Consensus sequence: DHDBTKGTTTCGHTHDD

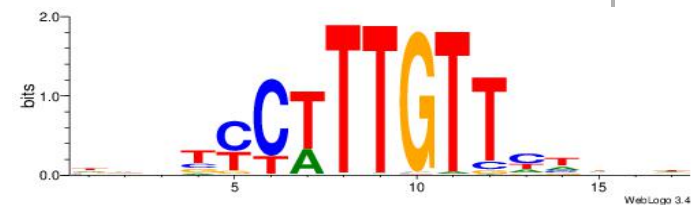
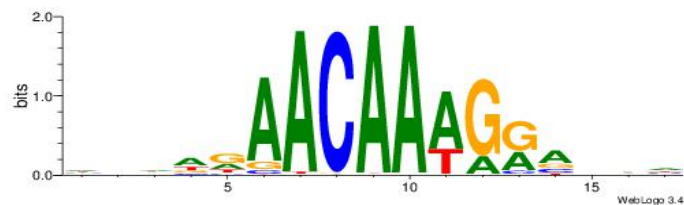


Motif ID: [UP00030](#)
Motif name: Sox11_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 12
Similarity score: 0.0160684

Alignment:
HHBTMCTTTGTTMDDVH
--BBTCTKTKTCHB---

Original motif
Consensus sequence: HBDDRAACAAAGRABHH

Reverse complement motif
Consensus sequence: HHBTMCTTTGTTMDDVH



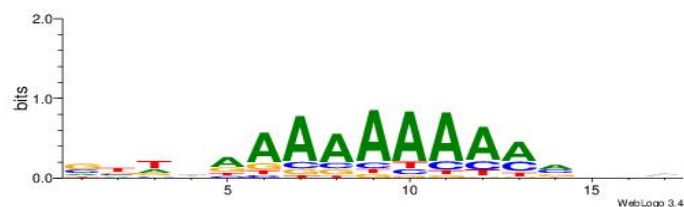
Motif ID: [UP00077](#)
 Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0166843

Alignment:

HHVBYTTTTTTTTDDVV
 --BBTCTKTCTCHB---

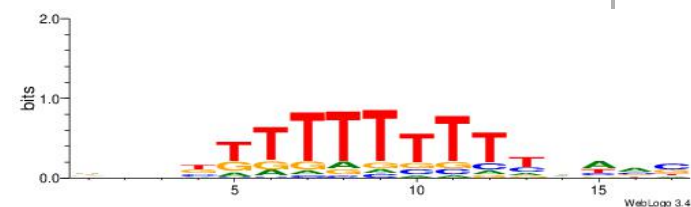
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDVV



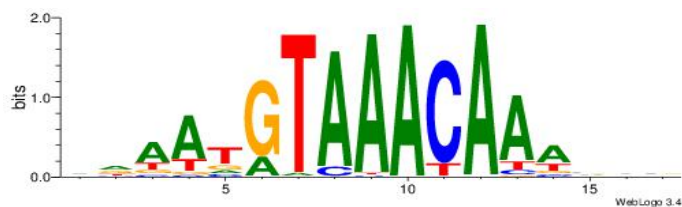
Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0172528

Alignment:

BBVTTTGTTTACATTDD
 -BBTCTKTKTCHB-----

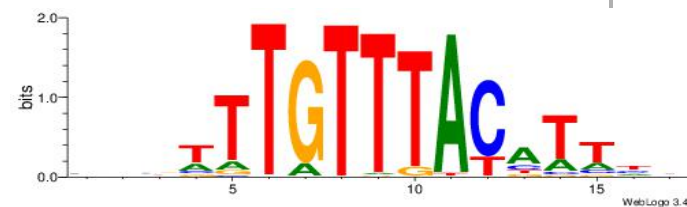
Original motif

Consensus sequence: DDAATGTAAACAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD



Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2

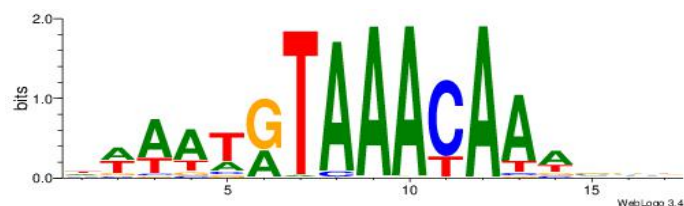
Number of overlap: 12
Similarity score: 0.0200976

Alignment:

VVWTTGTTTAMATTWD
-BBTCTKTKTCHB----

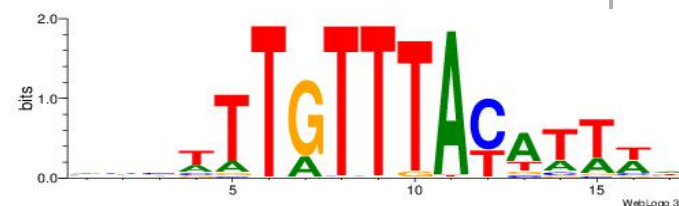
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVWTTGTTTAMATTWD



Dataset #: 4 **Motif ID: 93** **Motif name: rrAGGGGGArr**

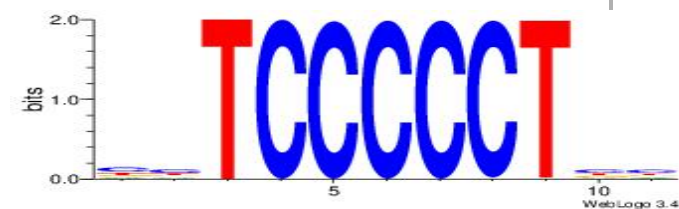
Original motif

Consensus sequence: VVAGGGGGAVV



Reverse complement motif

Consensus sequence: VVTCCTTCTVV



Best Matches for Motif ID 93 (Highest to Lowest)

Motif ID: [UP00022](#)
Motif name: Zfp740_primary
Species: Mus musculus

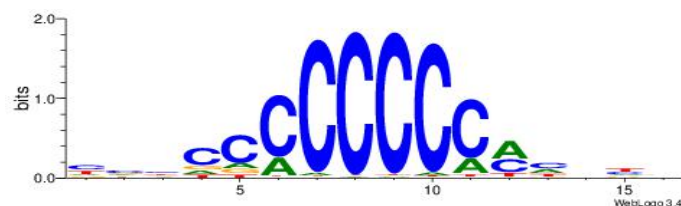
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	11
Similarity score:	0

Alignment:

```
BHHDYGGGGGGGGBVD
--VVAGGGGGGAVV---
```

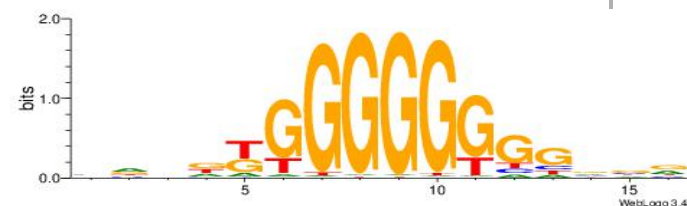
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGBVD



Motif ID:	UP00002
Motif name:	Sp4_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	11
Similarity score:	0.00297135

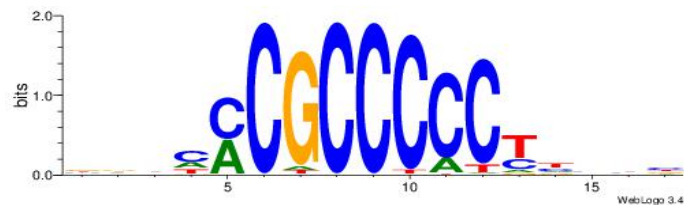
Alignment:

BVVHAGGGGGCGRDHBB

--VVAGGGGGAVV----

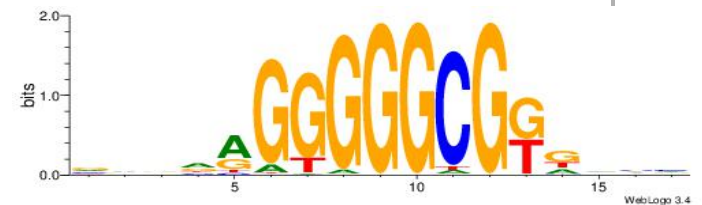
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHBB



Motif ID:

[UP00021](#)

Motif name:

Zfp281_primary

Species:

Mus musculus

Matching format of first motif:

Original Motif

Matching format of second motif:

Reverse Complement

Direction:

Forward

Position number:

1

Number of overlap:

11

Similarity score:

0.00395342

Alignment:

DBCCCCCCCCCMYC

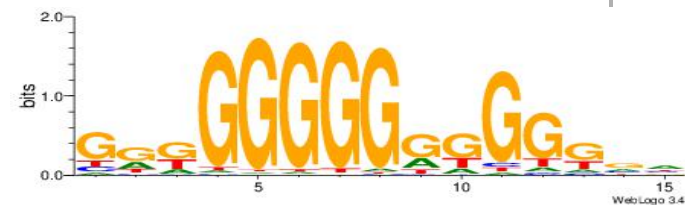
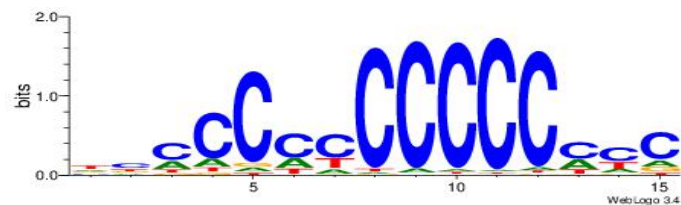
VVAGGGGGAVV----

Original motif

Consensus sequence: DBCCCCCCCCCMYC

Reverse complement motif

Consensus sequence: GKRGGGGGGGGGBD

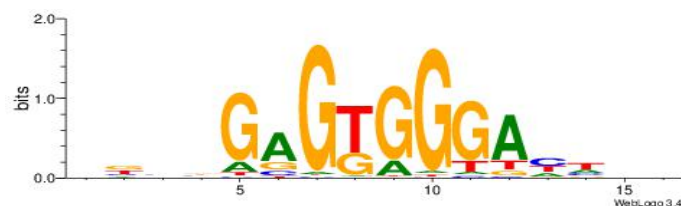


Motif ID: [UP00007](#)
 Motif name: Egr1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.00991424

Alignment:
 BBHBGAGTGGGAHHDB
 ---VVAGGGGGAVV--

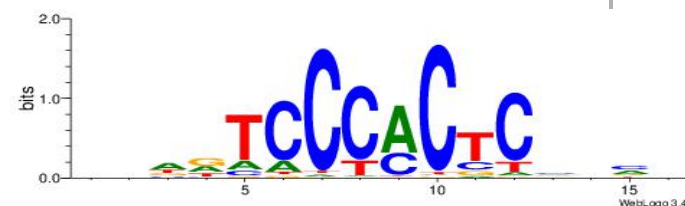
Original motif

Consensus sequence: BBHBGAGTGGGAHHDB



Reverse complement motif

Consensus sequence: BHHDTCCTCACTCBDBV



Motif ID: [UP00022](#)

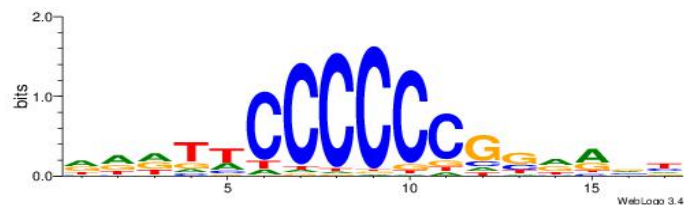
Motif name: Zfp740_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0102767

Alignment:

HVKDCCGGGGGGWADDD
 ----VVAGGGGGAVV--

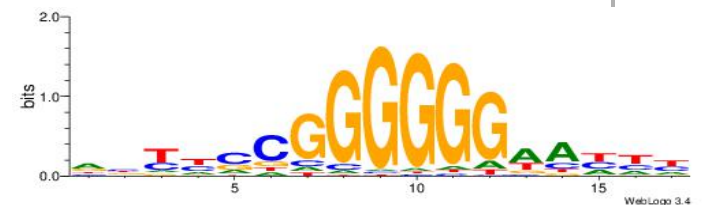
Original motif

Consensus sequence: DDDTWCCCCCGGDRVH



Reverse complement motif

Consensus sequence: HVKDCCGGGGGGWADDD



Motif ID: [UP00047](#)
 Motif name: Zbtb7b_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 11

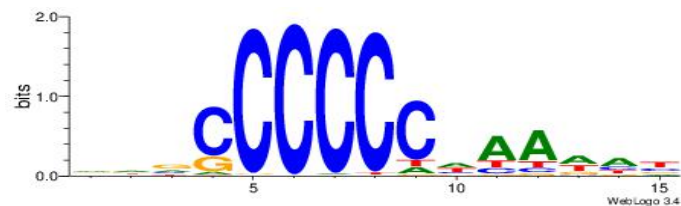
Similarity score: 0.0107925

Alignment:

VHWTTHGGGGGGVDD
----VVAGGGGGAVV

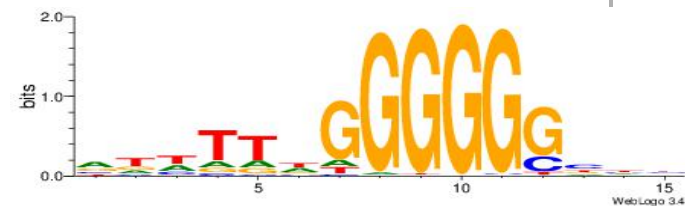
Original motif

Consensus sequence: DDVCCCCCCHAAWHB



Reverse complement motif

Consensus sequence: VHWTTHGGGGGGVDD



Motif ID: [UP00239](#)
Motif name: Obox2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0138823

Alignment:

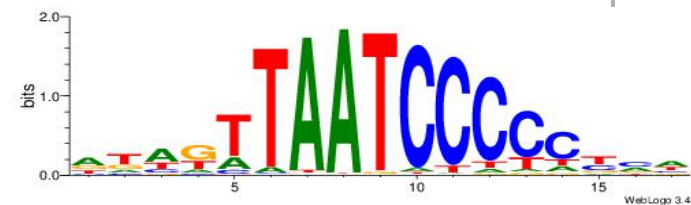
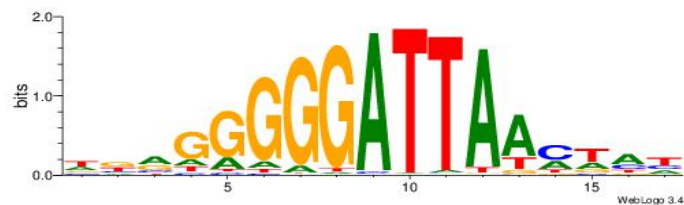
HTARTTAATCCCCCKBD
-----VVTCCCCCTVV

Original motif

Consensus sequence: DBRGGGGGATTAAMTAH

Reverse complement motif

Consensus sequence: HTARTTAATCCCCCKBD



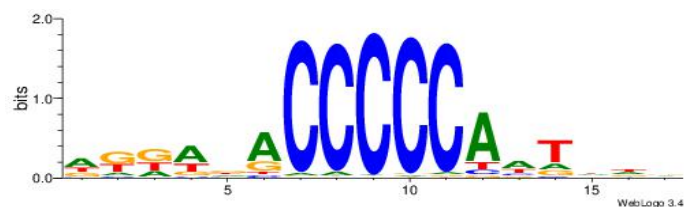
Motif ID: [UP00021](#)
 Motif name: Zfp281_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0148152

Alignment:

VDDAHTGGGGGTHWYYD
 ---VVAGGGGGAVV---

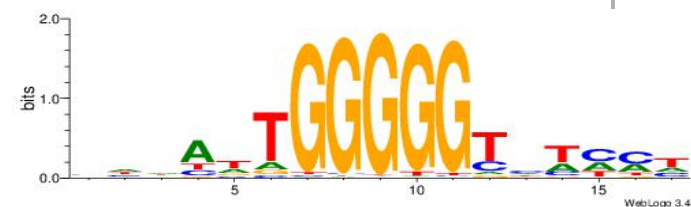
Original motif

Consensus sequence: DKKWDACCCCAHTDDV



Reverse complement motif

Consensus sequence: VDDAHTGGGGGTHWYYD



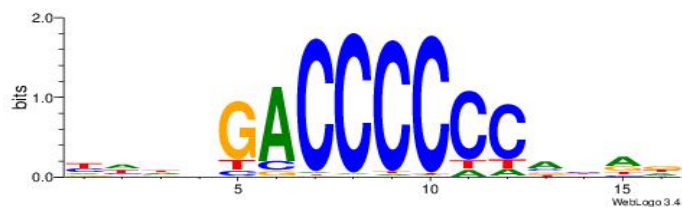
Motif ID: [UP00024](#)
 Motif name: Glis2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.01486

Alignment:

HHHVGACCCCCCVBRD
 ---VVTCCCCCTV--

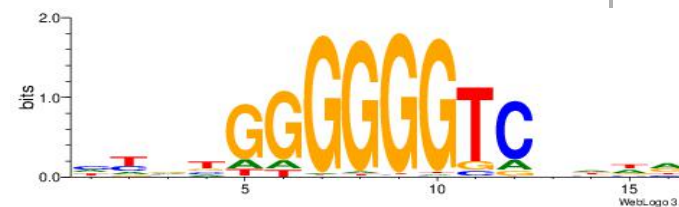
Original motif

Consensus sequence: HHHVGACCCCCCVBRD



Reverse complement motif

Consensus sequence: HKBBGGGGGGTCVHHH



Motif ID: [UP00007](#)
 Motif name: Egr1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3

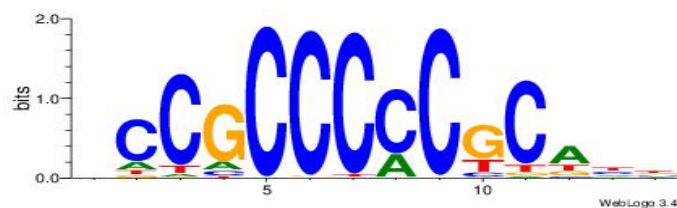
Number of overlap: 11
Similarity score: 0.0191569

Alignment:

HCCGCCCCCGCAHB
-VVTCCCCCTVV--

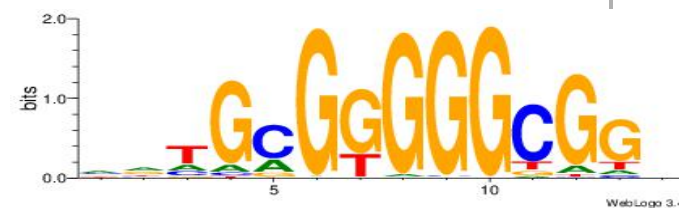
Original motif

Consensus sequence: HCCGCCCCCGCAHB



Reverse complement motif

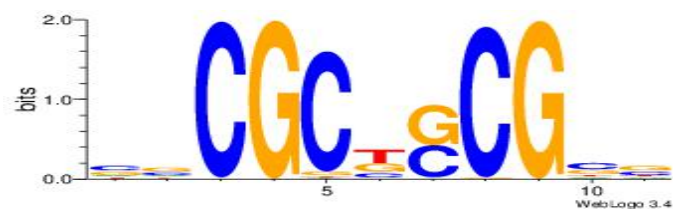
Consensus sequence: VHTGCGGGGGCGGH



Dataset #: 4 **Motif ID: 94** **Motif name: ssCGCKsCGss**

Original motif

Consensus sequence: VVCGCKSCGBB



Reverse complement motif

Consensus sequence: BBCGSRGCGVV



Best Matches for Motif ID 94 (Highest to Lowest)

Motif ID: [UP00065](#)
Motif name: Zfp161_secondary
Species: Mus musculus

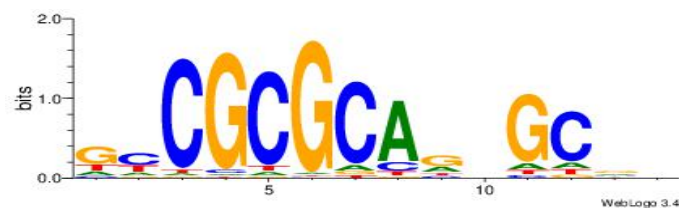
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	11
Similarity score:	0.00535423

Alignment:

```
VVGCVMTGCGCGKC
-VVCGCKSCGBB--
```

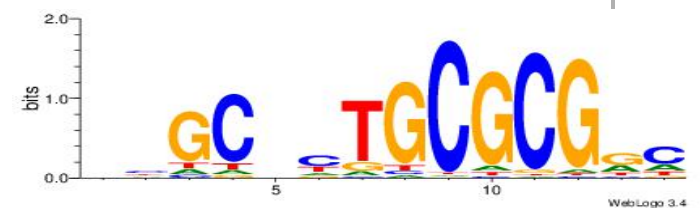
Original motif

Consensus sequence: GYCGCGCARBGCVB



Reverse complement motif

Consensus sequence: VVGCVMTGCGCGKC



Motif ID:	UP00031
Motif name:	Zbtb3_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	11
Similarity score:	0.0059848

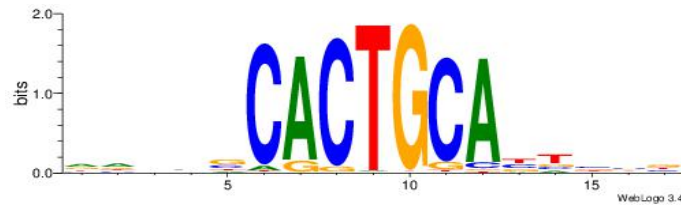
Alignment:

DDBBBCACTGCABTBBB

---VVCGCKSCGBB---

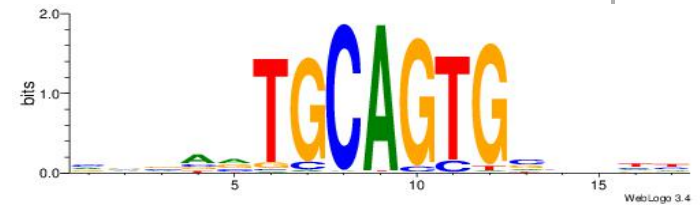
Original motif

Consensus sequence: DDBBBCACTGCABTBBB



Reverse complement motif

Consensus sequence: BBBAVTCAGTGBBVDD



Motif ID:	UP00001
Motif name:	E2F2_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	11
Similarity score:	0.00957065

Alignment:

HHVGCGCGCCKTDHB

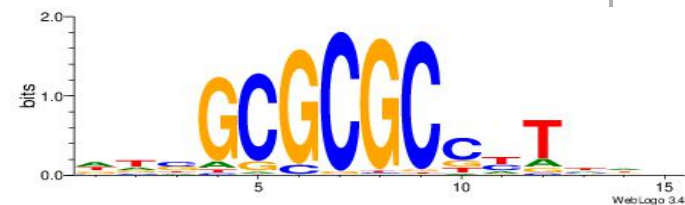
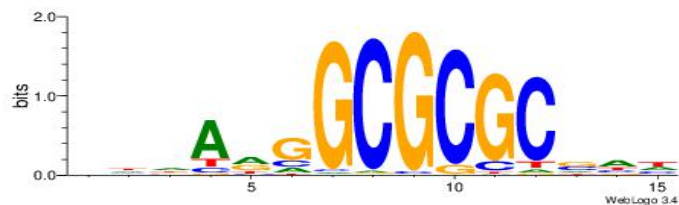
--VVCGCKSCGBB--

Original motif

Consensus sequence: VHDARGGCGCGCVHH

Reverse complement motif

Consensus sequence: HHVGCGCGCCKTDHB

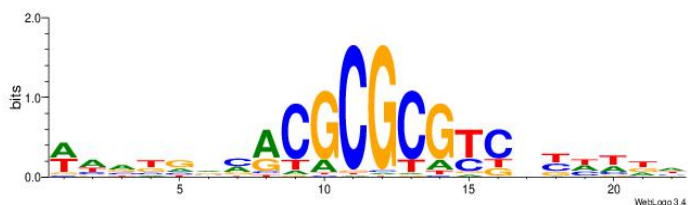


Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0108446

Alignment:
 WHVBVVMACGCGCGTCDYHWDH
 -----VVC GCKSCGBB----

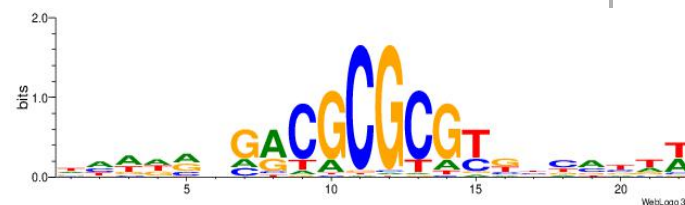
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



Motif ID: [UP00002](#)

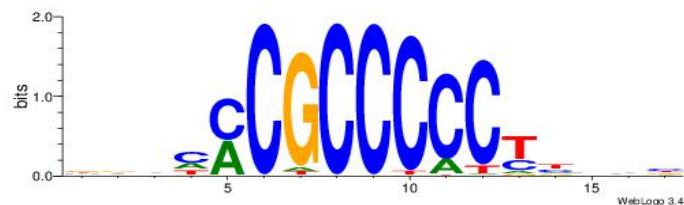
Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0132848

Alignment:

BVVHAGGGGGCGRDHHB
 ---BBCGSRGCGVV---

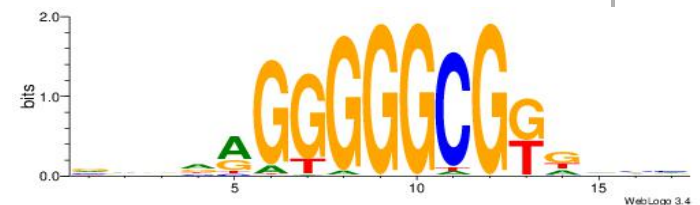
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB

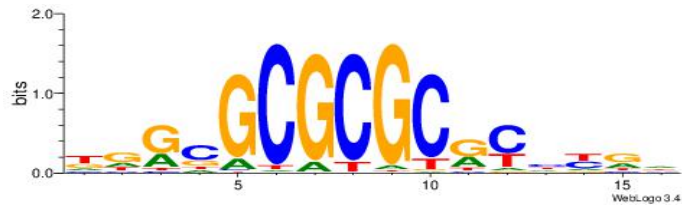


Motif ID: [UP00065](#)
 Motif name: Zfp161_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 11

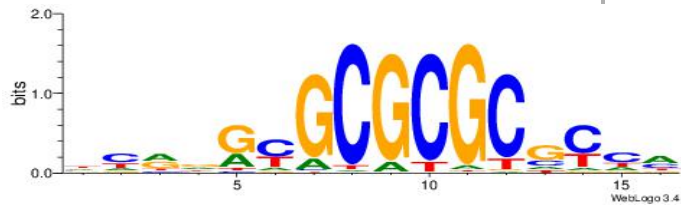
Similarity score: 0.0147384

Alignment:
DMMDGMGCGCGCHD
BBCGSRGCGVV-----

Original motif
Consensus sequence: DDGCGCGCGCRCHYRD



Reverse complement motif
Consensus sequence: DMMDGMGCGCGCHD

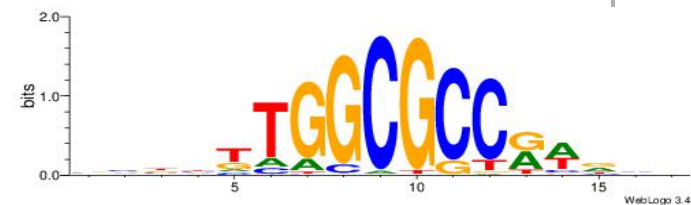
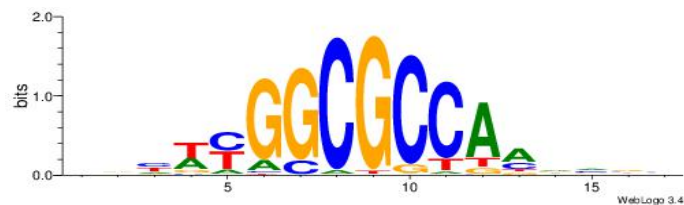


Motif ID: [UP00003](#)
Motif name: E2F3_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 7
Number of overlap: 11
Similarity score: 0.0150252

Alignment:
HBHWYGGCGCCAMDVB
BBCGSRGCGVV-----

Original motif
Consensus sequence: HBHWYGGCGCCAMDVB

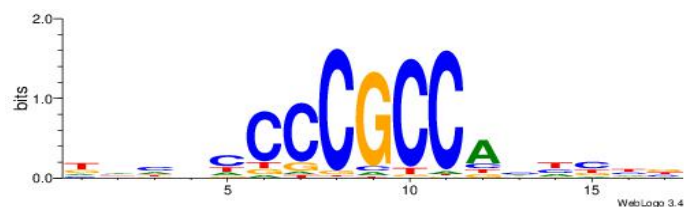
Reverse complement motif
Consensus sequence: BBBDYTGCGCCKWDBD



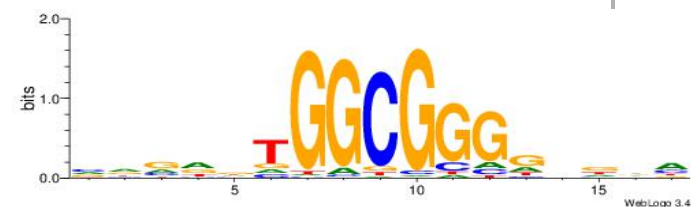
Motif ID: [UP000000](#)
 Motif name: Smad3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0152603

Alignment:
 BHBHDTGGCGGGGBDHD
 -BBCGSRGCGVV-----

Original motif
 Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif
 Consensus sequence: BHBHDTGGCGGGGBDHD



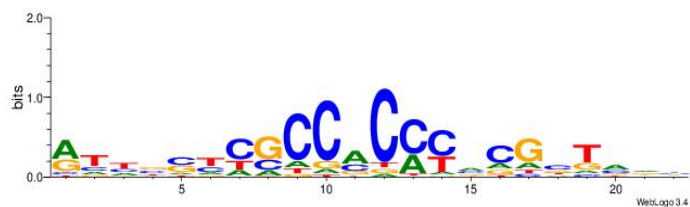
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0154216

Alignment:

HDBABCGBKRGYGGCGMSBHAK
 -----BBCGSRGCGVV-----

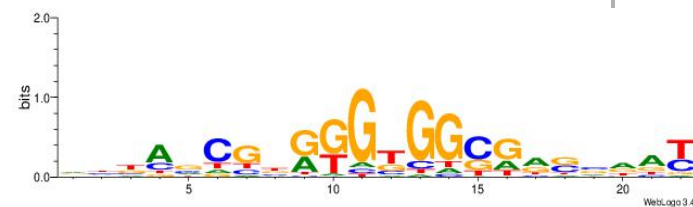
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6

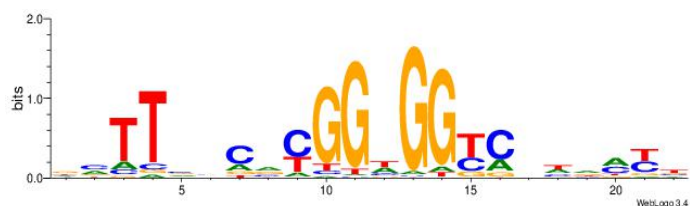
Number of overlap: 11
Similarity score: 0.0155003

Alignment:

VMYDHDGMCCCHCKBGVVAHVH
-----VVCGCKSCGGB-----

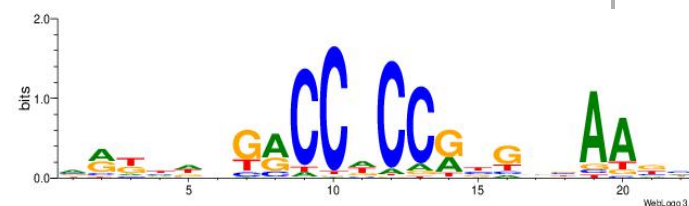
Original motif

Consensus sequence: DVTTVVYGGHGGYCHHDMYB



Reverse complement motif

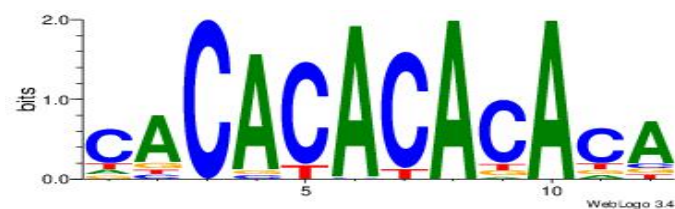
Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH



Dataset #: 4 Motif ID: 95 Motif name: CACACACACACA

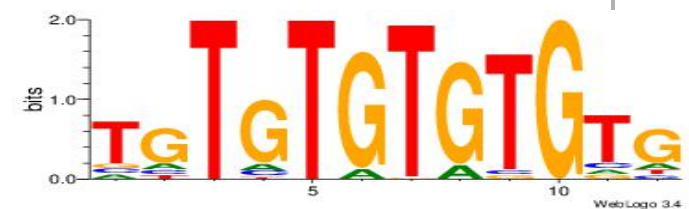
Original motif

Consensus sequence: CACACACACACA



Reverse complement motif

Consensus sequence: TGTGTGTGTGTG



Best Matches for Motif ID 95 (Highest to Lowest)

Motif ID: [UP00042](#)
Motif name: Gm397_second
Species: Mus musculus

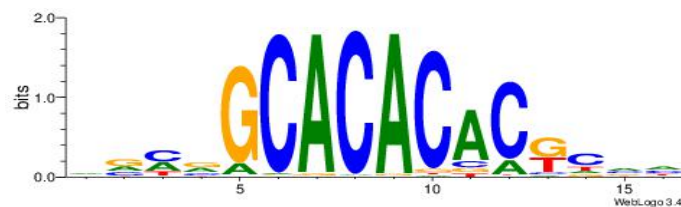
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	12
Similarity score:	0

Alignment:

```
HBGYGTGTGTGCVRVD
-TGTGTGTGTGTG---
```

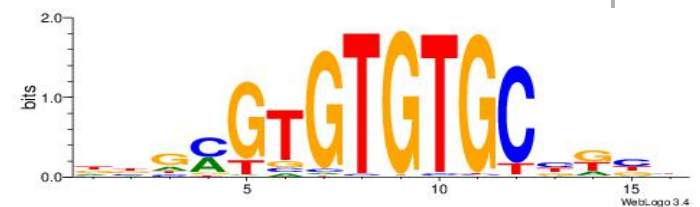
Original motif

Consensus sequence: DVMVGCACACACKCVH



Reverse complement motif

Consensus sequence: HBGYGTGTGTGCVRVD



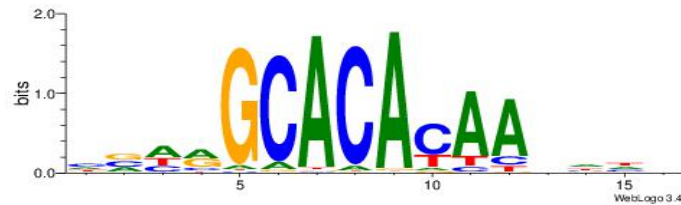
Motif ID:	UP00026
Motif name:	Zscan4_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	12
Similarity score:	0.0197643

Alignment:

BHHHTTGTGTGCKHVD
---TGTGTGTGTGTG--

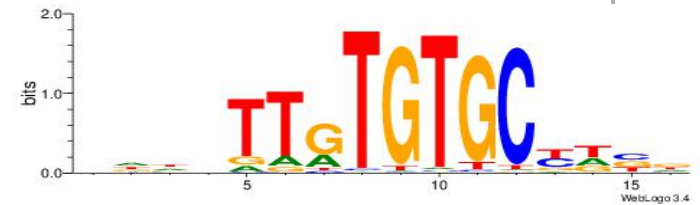
Original motif

Consensus sequence: HVHRGCACACAAHHHV



Reverse complement motif

Consensus sequence: BHHHTTGTGTGCKHVD



Motif ID: [UP00400](#)
Motif name: Zif268
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 12
Similarity score: 0.023637

Alignment:

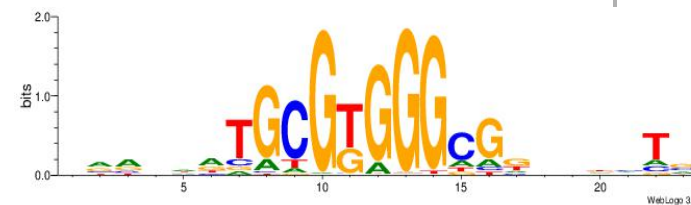
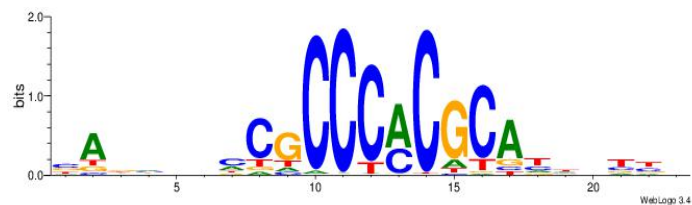
BADHBDHCGCCCMCGCAHHDDBV
-----CACACACACA-----

Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV

Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



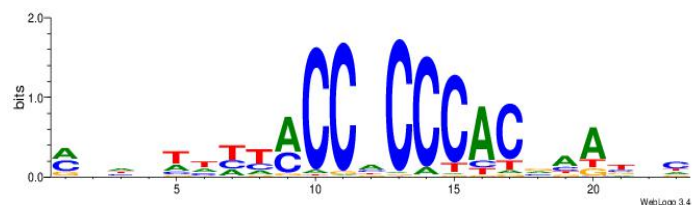
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 11
 Number of overlap: 12
 Similarity score: 0.0276792

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 -----CACACACACACA-

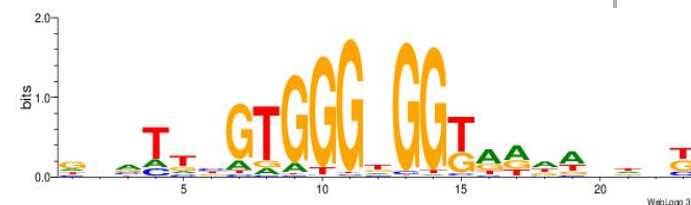
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Motif ID: [UP00041](#)

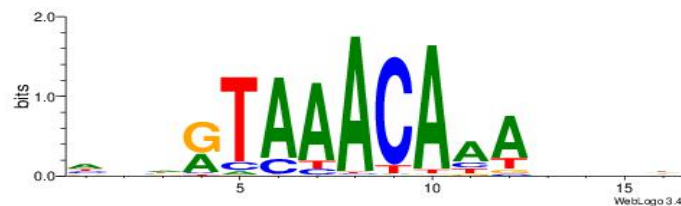
Motif name: Foxj1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0332664

Alignment:

HDHRTAAACAAHDDD
 --CACACACACACA--

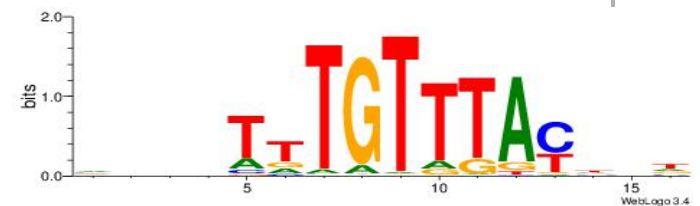
Original motif

Consensus sequence: HDHRTAAACAAHDDD



Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDDH

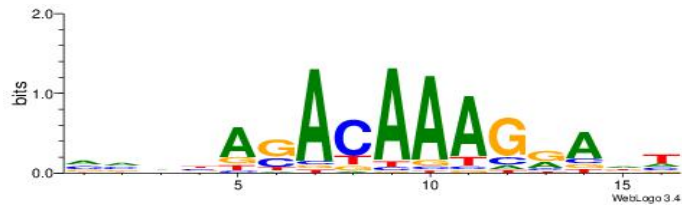


Motif ID: [UP00101](#)
 Motif name: Sox12_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 12

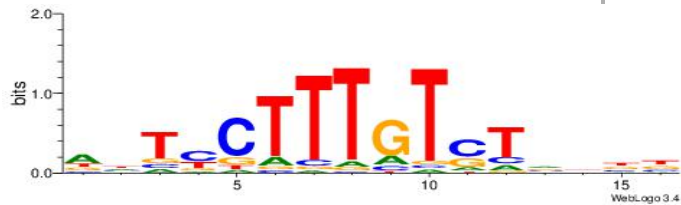
Similarity score: 0.0362338

Alignment:
VVDBASACAAAGRADH
-CACACACACACA---

Original motif
Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif
Consensus sequence: HDTMCTTTGTSTVDBB

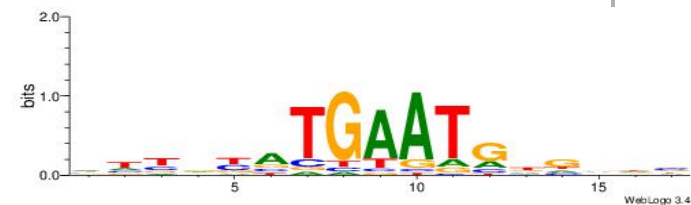
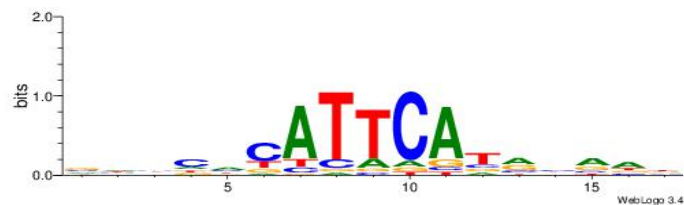


Motif ID: [UP00014](#)
Motif name: Sox17_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 12
Similarity score: 0.0362641

Alignment:
VHBHHCATTCATRHVDD
---CACACACACACA--

Original motif
Consensus sequence: VHBHHCATTCATRHVDD

Reverse complement motif
Consensus sequence: DDBDKATGAATGHDBHV



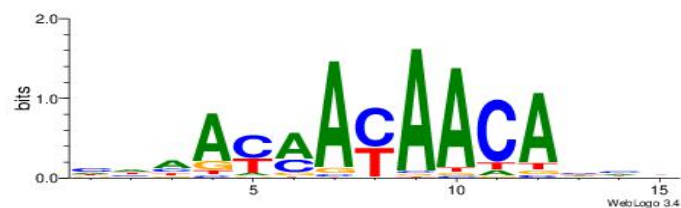
Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0366937

Alignment:

HDDTGTTKTTKTHHD
 -TGTGTGTGTGTG--

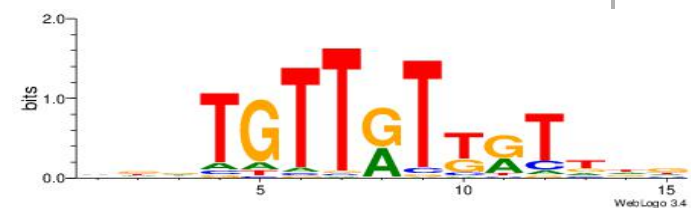
Original motif

Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



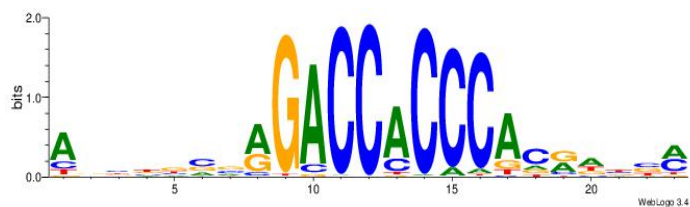
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0367676

Alignment:

ABBBBVVRGACCACCCACRDBBM
 -----CACACACACACA

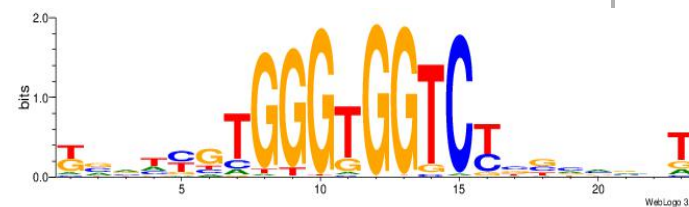
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMGTGGGTGGTCKVVBVBBT



Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10

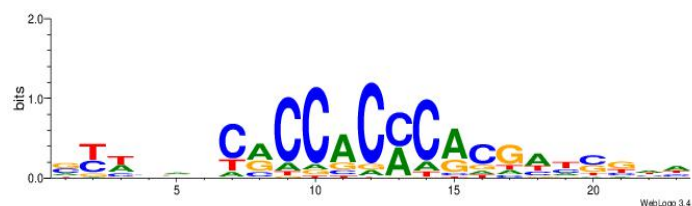
Number of overlap: 12
Similarity score: 0.0370972

Alignment:

VYWVVHCRCCACMCACGAHSBHH
-----CACACACACACA--

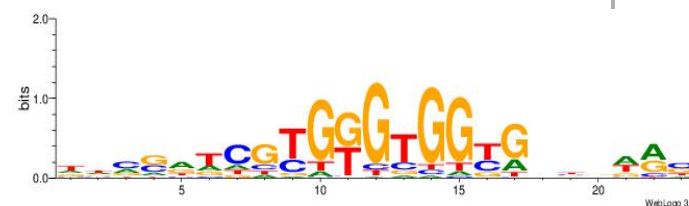
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

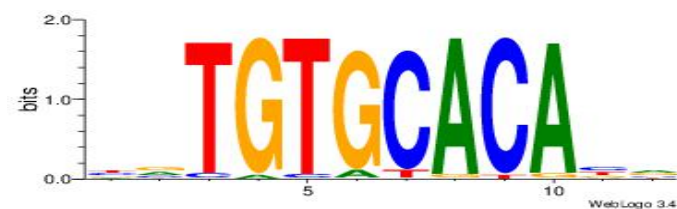
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Dataset #: 4 **Motif ID: 96** **Motif name: yrTGTGCACAYr**

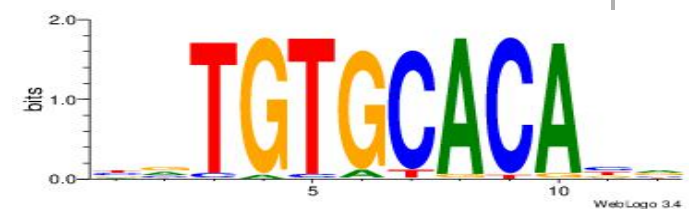
Original motif

Consensus sequence: BVTGTGCACABV



Reverse complement motif

Consensus sequence: BBTGTGCACAVV



Best Matches for Motif ID 96 (Highest to Lowest)

Motif ID: [UP00026](#)
Motif name: Zscan4_primary
Species: Mus musculus

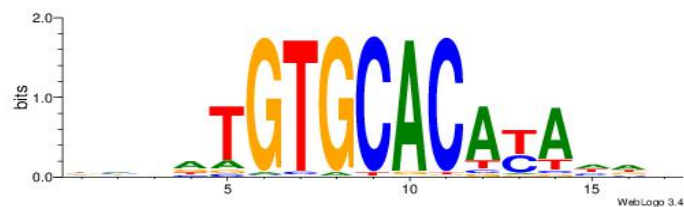
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	12
Similarity score:	0

Alignment:

```
DHVD TGTGCACAY AHDH
--BVTGTGCACABV---
```

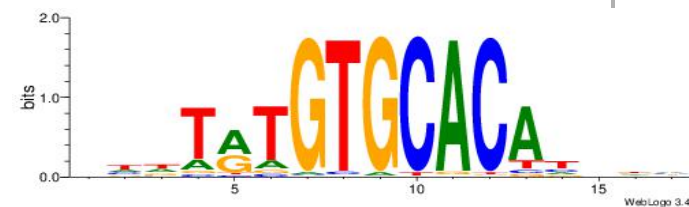
Original motif

Consensus sequence: DHVD TGTGCACAY AHDH



Reverse complement motif

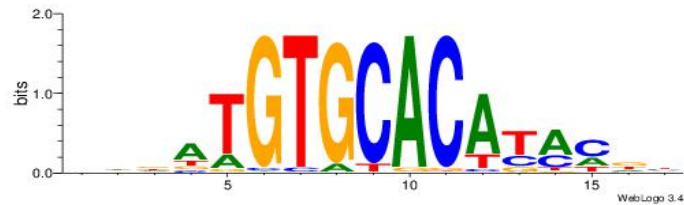
Consensus sequence: HDHTMTGTGCACADVHD



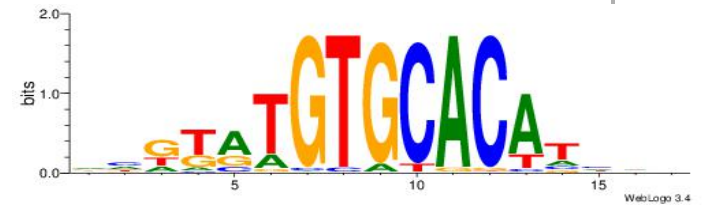
Motif ID:	UP00042
Motif name:	Gm397_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	12
Similarity score:	0.00445496

--BVTGTGCACABV---

Consensus sequence: HHDATGTGCACATAMDH



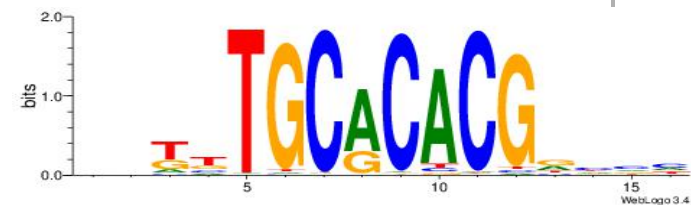
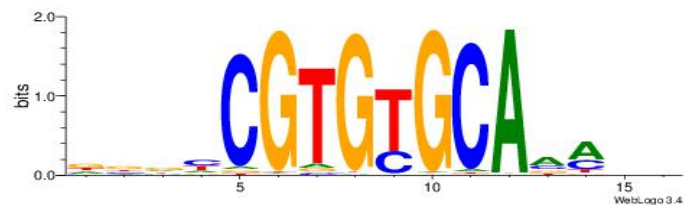
Consensus sequence: HHRTATGTGCATHHD



UP00097

BVTGTGCACABV----

Consensus sequence: HDYTTGCACACGDHBH

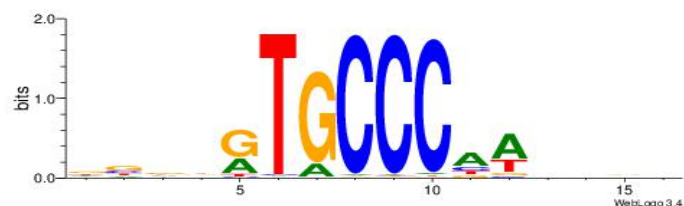


Motif ID: [UP00035](#)
 Motif name: Hic1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0430853

Alignment:
 VHHDWTGGGCAMDHBH
 ---BBTGTGCACAVV-

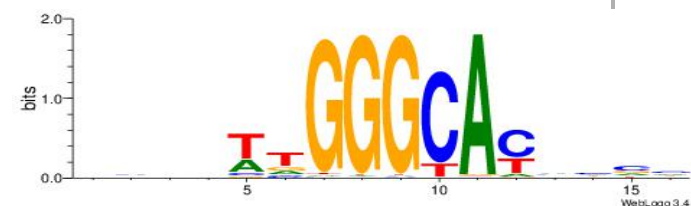
Original motif

Consensus sequence: DBDDRTGCCCAWDHDV



Reverse complement motif

Consensus sequence: VHHDWTGGGCAMDHBH



Motif ID: [UP00211](#)

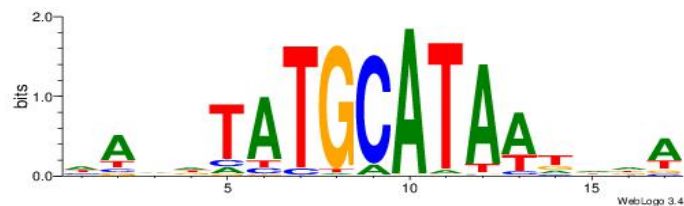
Motif name: Pou3f3
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 12
Similarity score: 0.0445124

Alignment:

HADDTATGCATAATDDA
--BBTGTGCACAVV---

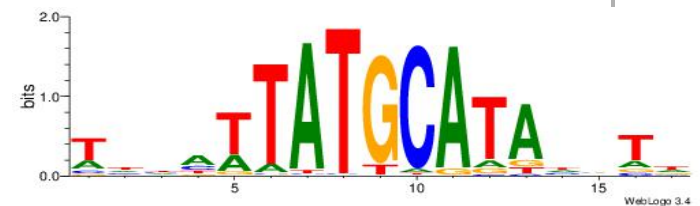
Original motif

Consensus sequence: HADDTATGCATAATDDA



Reverse complement motif

Consensus sequence: TDDATTATGCATADDTH

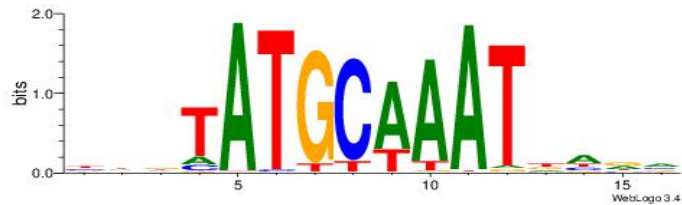


Motif ID: [UP00191](#)
Motif name: Pou2f2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 12

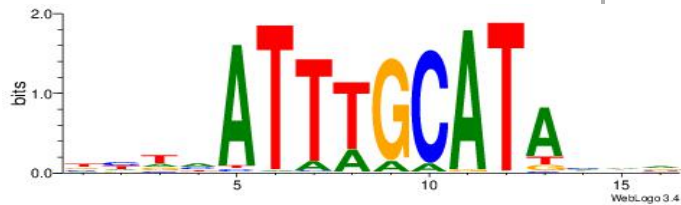
Similarity score: 0.0458169

Alignment:
BHDTATGCAAATDHDV
-BVTGTGCACABV---

Original motif
Consensus sequence: BHDTATGCAAATDHDV



Reverse complement motif
Consensus sequence: BHHDATTTGCATAHHV

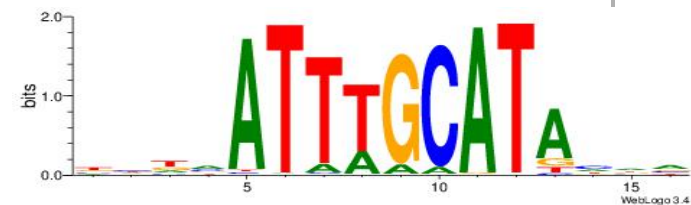
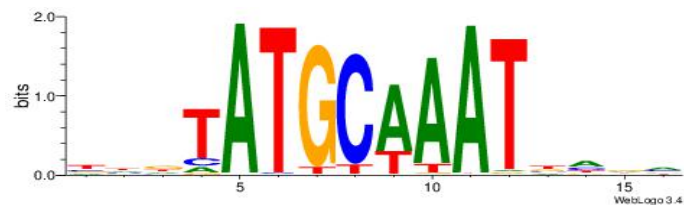


Motif ID: [UP00179](#)
Motif name: Pou2f3
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 12
Similarity score: 0.0465664

Alignment:
BHDTATGCAAATBHDV
-BVTGTGCACABV---

Original motif
Consensus sequence: BHDTATGCAAATBHDV

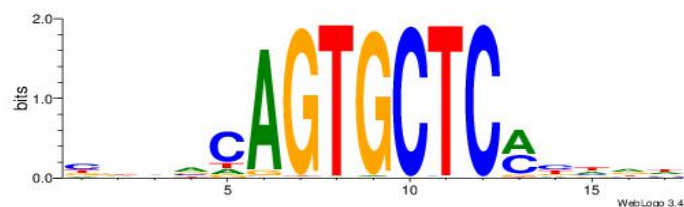
Reverse complement motif
Consensus sequence: BHHDATTTGCATAHHV



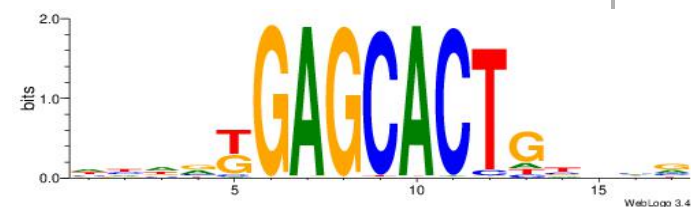
Motif ID: [UP00095](#)
 Motif name: Zfp691_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0474879

Alignment:
 BDHVCAGTGCTCMBHDD
 ---BVTGTGCACABV--

Original motif
 Consensus sequence: BDHVCAGTGCTCMBHDD



Reverse complement motif
 Consensus sequence: DDHBYGAGCACTGBHHB



Motif ID: [UP00041](#)

Motif name:	Foxj1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	12
Similarity score:	0.0571018

Alignment:

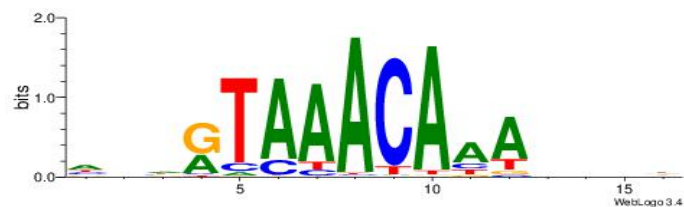
```

DDDHTTTGTTTAMHDDH
----BBTGTGCACAVV

```

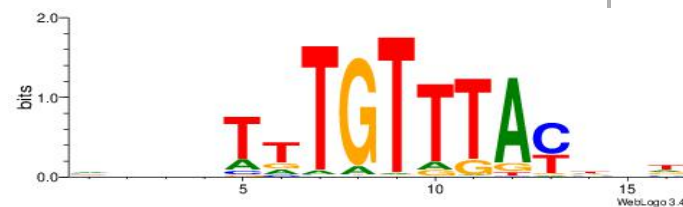
Original motif

Consensus sequence: HDHRTAAACAAHDDD



Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDDH



Motif ID:	UP00053
Motif name:	Rxra_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	12
Similarity score:	0.0586299

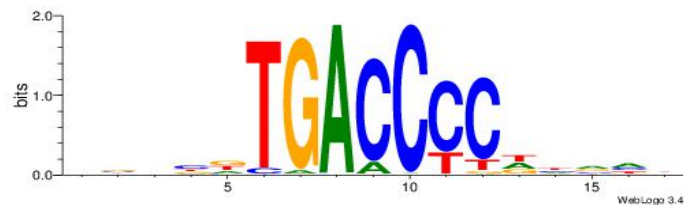
Alignment:

DBHBDTGACCCCDHVHB

---BVTGTGCACABV---

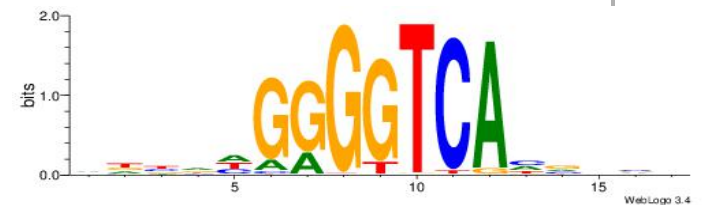
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHBD



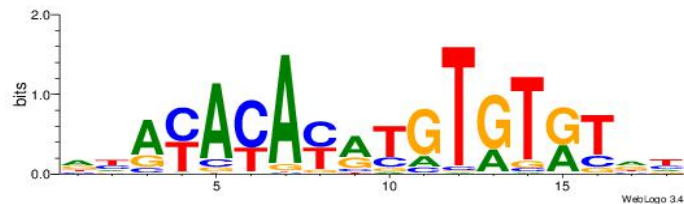
Dataset #: 4

Motif ID: 97

Motif name: ryayAyAyrtGTRTrTry

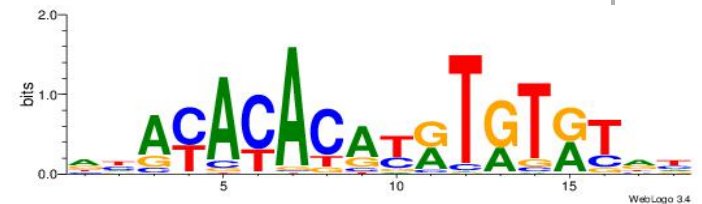
Original motif

Consensus sequence: DHAYAYAYRTGTGTRTDH



Reverse complement motif

Consensus sequence: HDAMACACAKKTKTKTHD



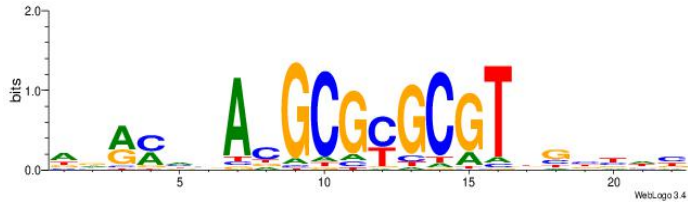
Best Matches for Motif ID 97 (Highest to Lowest)

Motif ID:	UP00526
Motif name:	Foxn1_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif

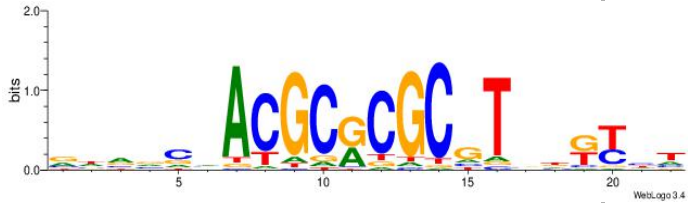
Direction: Backward
Position number: 3
Number of overlap: 18
Similarity score: 0.042217

Alignment:
DDRMHBACGCGYGCGTDGBBDB
--DHAYAYAYRTGTGTRTDH--

Original motif
Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif
Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



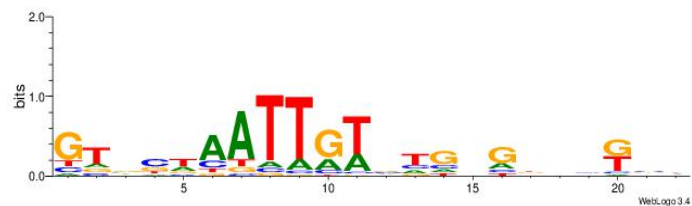
Motif ID: [UP00034](#)
Motif name: Sox7_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 18
Similarity score: 0.0528977

Alignment:

GTVBDAATTGTVTGHGDDHKVB
-DHAYAYAYRTGTGTRTDH---

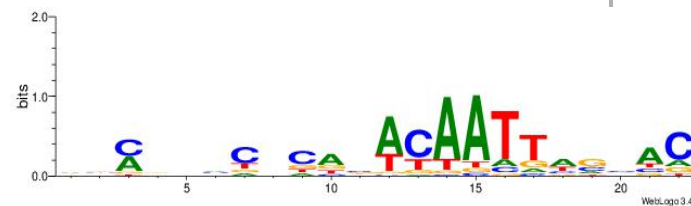
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Motif ID: [UP00050](#)
Motif name: Bhlhb2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 18
Similarity score: 0.0539618

Alignment:

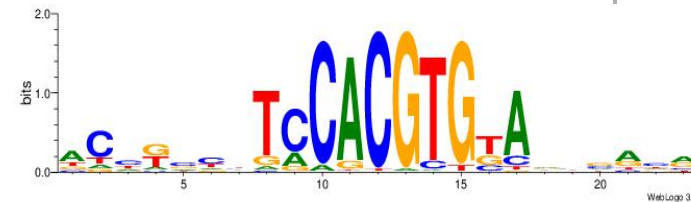
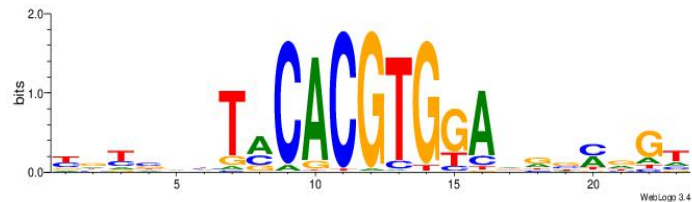
YDYBDHTMCACGTGGADDBMDGT
-DHAYAYAYRTGTGTRTDH----

Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT

Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM

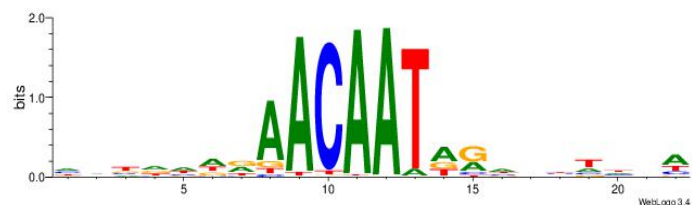


Motif ID: [UP00034](#)
 Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.0559027

Alignment:
 WBHHHHHMDATTGTTHDHDVHH
 HDAMACACAKKTKTKTHD----

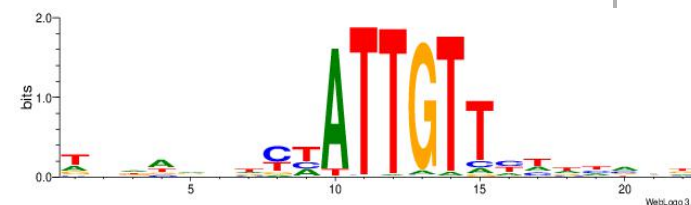
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



Motif ID: [UP00526](#)

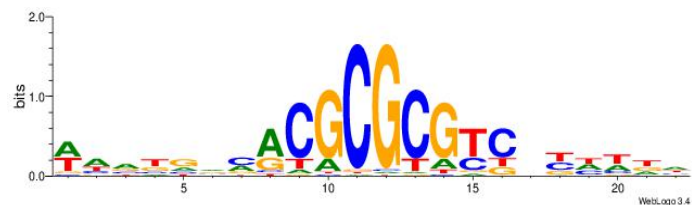
Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 18
 Similarity score: 0.0570339

Alignment:

WHVBVVMACGCGCGTCDYHWDH
 ---HDAMACACAKKTKTKTHD-

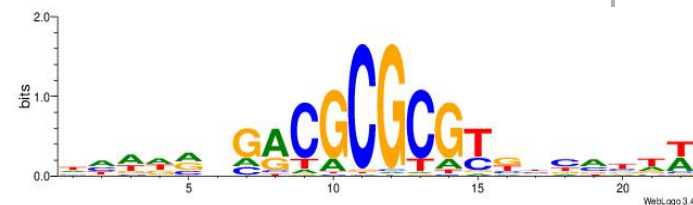
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW

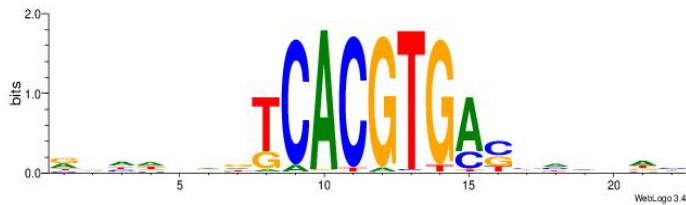


Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 18

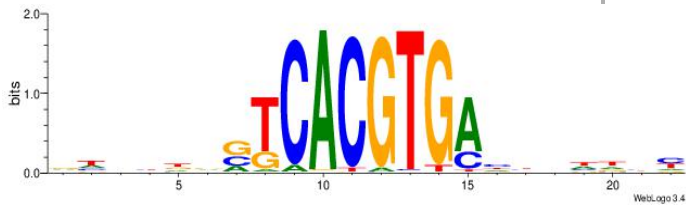
Similarity score: 0.0603429

Alignment:
DDHBHBSTCACGTGAHBBDHMH
---DHAYAYAYRTGTGTRTDH-

Original motif
Consensus sequence: RDHDBVDTACGTGASBHVHHDH



Reverse complement motif
Consensus sequence: DDHBHBSTCACGTGAHBBDHMH

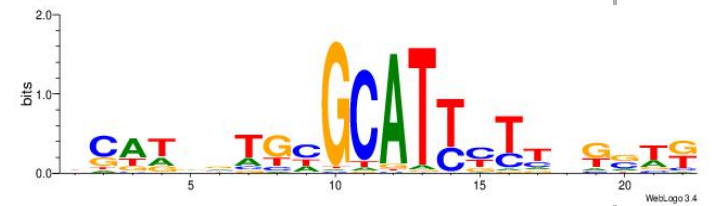
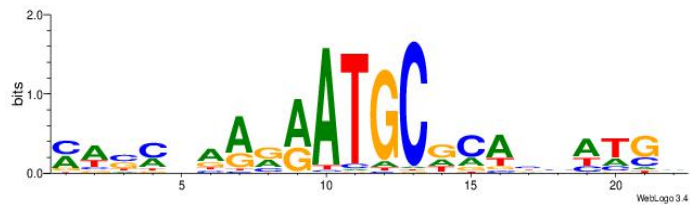


Motif ID: [UP00528](#)
Motif name: Foxm1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 18
Similarity score: 0.0610325

Alignment:
DCATDBTGHGCATKMTTBRSWR
---HDAMACACAKKTKTKTHD-

Original motif
Consensus sequence: MWSMBAARRATGCDCABHATGD

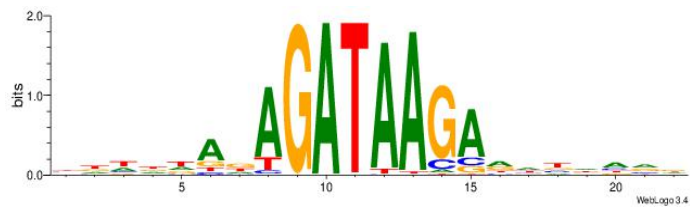
Reverse complement motif
Consensus sequence: DCATDBTGHGCATKMTTBRSWR



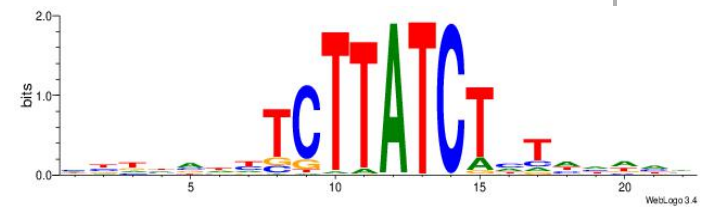
Motif ID: [UP00032](#)
 Motif name: Gata3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0616079

Alignment:
 BDHDDADAGATAAGADHBDHVD
 ---DHAYAYAYRTGTGTRTDH-

Original motif
 Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif
 Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



Motif ID: [UP00527](#)

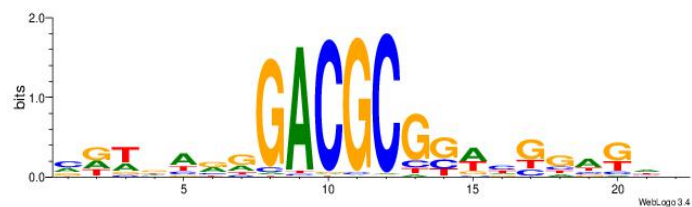
Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0623545

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
 ----HDAMACACAKKTKTKTHD

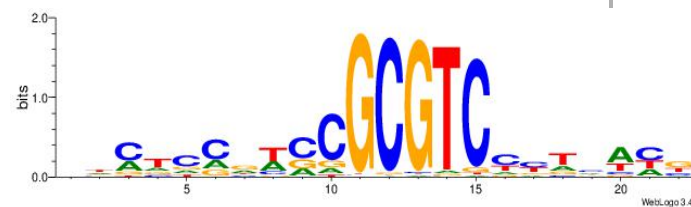
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.0633883

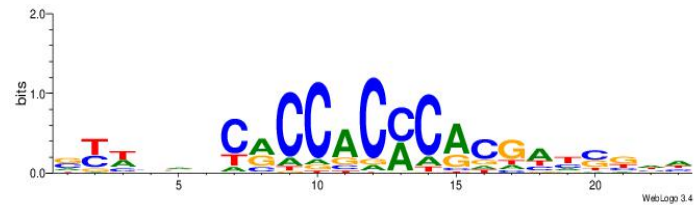
Alignment:

VYWVVHCRCCACMCACGAHSBHH

----HDAMACACAKKTKTKTHD--

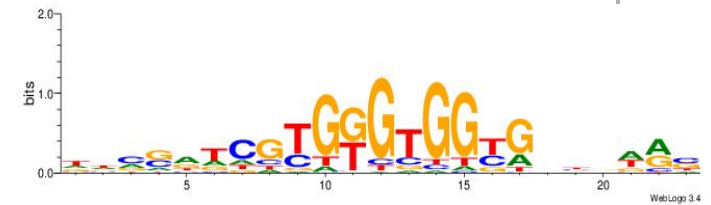
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



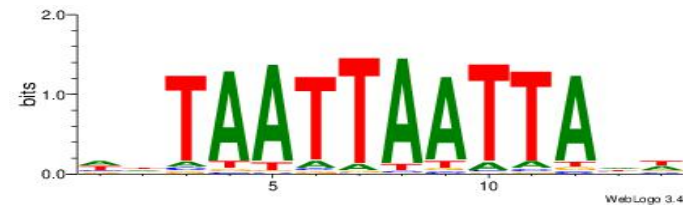
Dataset #: 4

Motif ID: 98

Motif name: wwTAATTAATTaww

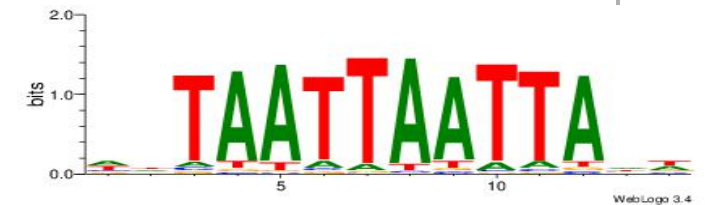
Original motif

Consensus sequence: HDTAATTAATTAHD



Reverse complement motif

Consensus sequence: DHTAATTAATTADH



Best Matches for Motif ID 98 (Highest to Lowest)

Motif ID:

[UP00158](#)

Motif name:

Pou1f1

Species:

Mus musculus

Matching format of first motif:

Original Motif

Matching format of second motif:

Reverse Complement

Direction:	Backward
Position number:	2
Number of overlap:	14
Similarity score:	0

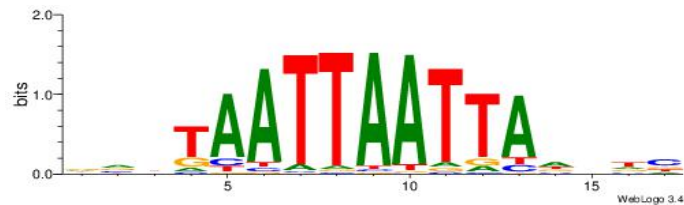
Alignment:

BDHDTAATTAAATTADBH

--HDTAATTAATTAHD--

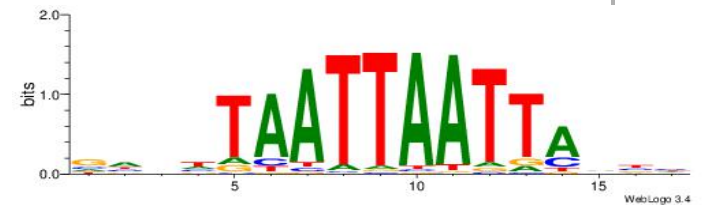
Original motif

Consensus sequence: DVDTAATTAATTADDDDB



Reverse complement motif

Consensus sequence: BDHDTAATTAATTADBH



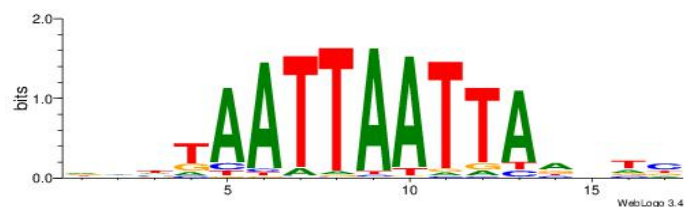
Motif ID:	UP00105
Motif name:	Pou3f4
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	14
Similarity score:	0.00131133

Alignment:

DVHTAATTAATTADDDDB
-DHTAATTAATTADH--

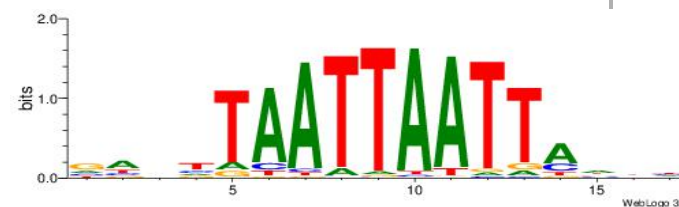
Original motif

Consensus sequence: DVHTAATTAATTADDDDB



Reverse complement motif

Consensus sequence: BDDDTAATTAATTAHBD



Motif ID:	UP00129
Motif name:	Pou3f1
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	14
Similarity score:	0.00682649

Alignment:

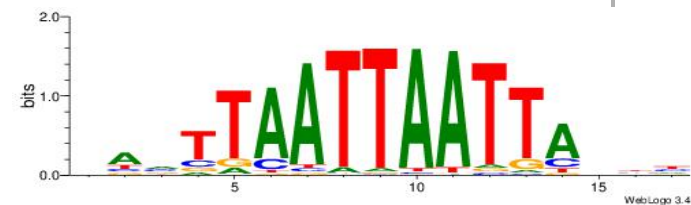
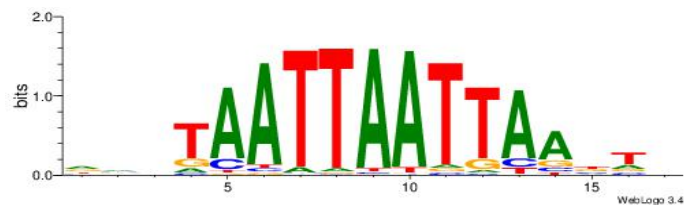
DVBTAATTAATTAABTH
-DHTAATTAATTADH--

Original motif

Consensus sequence: DVBTAATTAATTAABTH

Reverse complement motif

Consensus sequence: DAVTTAATTAATTAVBD

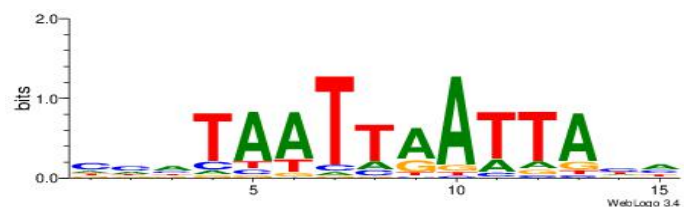


Motif ID: [UP00225](#)
 Motif name: Hlx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0167227

Alignment:
 HHHTAATTAATTAHH
 HDTAATTAATTAHD-

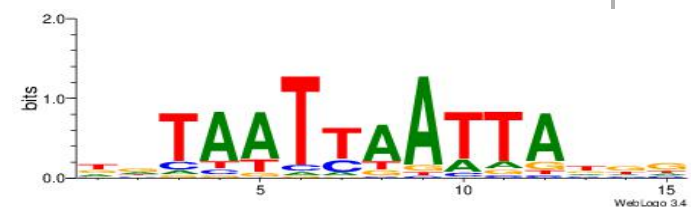
Original motif

Consensus sequence: HHHTAATTAATTAHH



Reverse complement motif

Consensus sequence: HDTAATTAATTAHDD



Motif ID: [UP00200](#)
 Motif name: Nkx6-1_2825.2

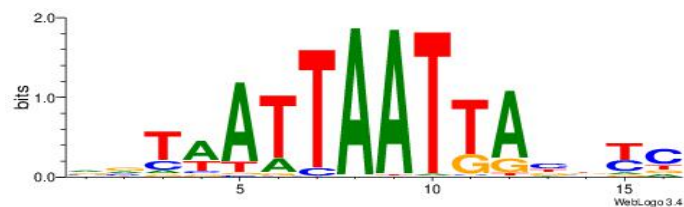
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0194509

Alignment:

VVTWATTAATTABBYC
 DHTAATTAATTADH--

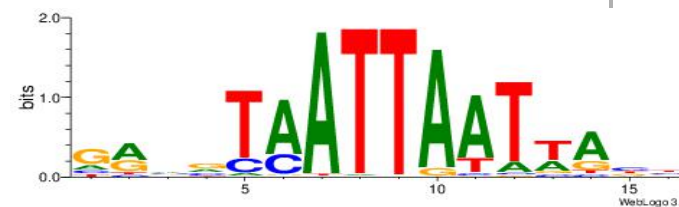
Original motif

Consensus sequence: VVTWATTAATTABBYC



Reverse complement motif

Consensus sequence: GMVBTAATTAATWAVB



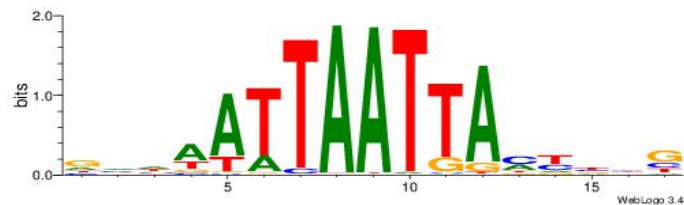
Motif ID: [UP00200](#)
 Motif name: Nkx6-1_2825.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0231767

Alignment:

DVHAATTAATTAMYBBG
---HDTAATTAATTAHD

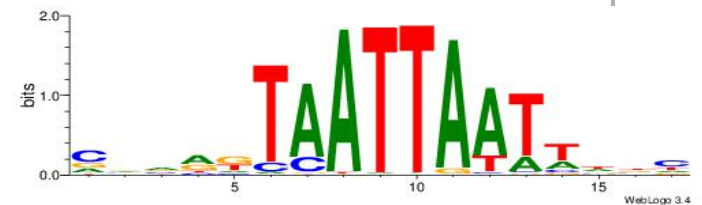
Original motif

Consensus sequence: DVHAATTAATTAMYBBG



Reverse complement motif

Consensus sequence: CBVMRTAATTAATTHBH



Motif ID:	UP00252
Motif name:	Hoxc5
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0236159

Alignment:

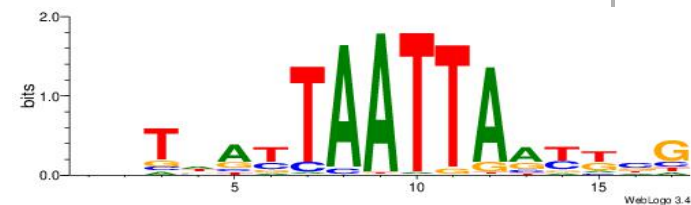
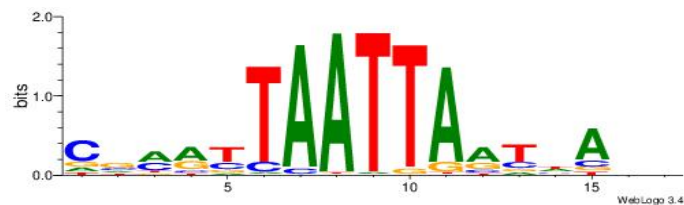
CVMRTTAATTAATHAHH
HDTAATTAATTAHD---

Original motif

Consensus sequence: CVMRTTAATTAATHAHH

Reverse complement motif

Consensus sequence: HDTHATTAATTAACYVG

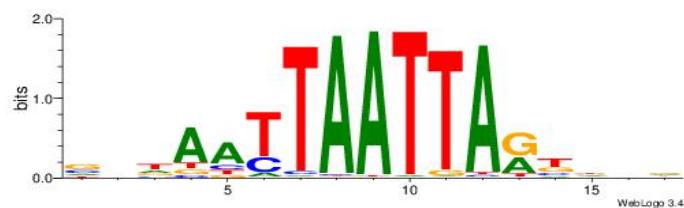


Motif ID: [UP00128](#)
 Motif name: Pou3f2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0243768

Alignment:
 VDDAATTAATTARBDHD
 DHTAATTAATTADH---

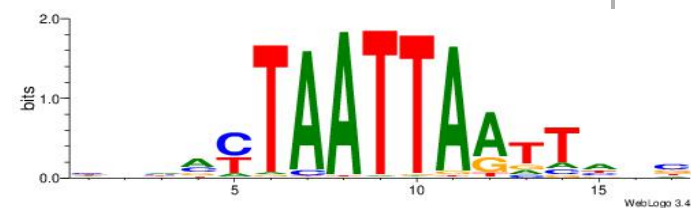
Original motif

Consensus sequence: VDDAATTAATTARBDHD



Reverse complement motif

Consensus sequence: HHDVMTAATTAATTDDV



Motif ID: [UP00244](#)

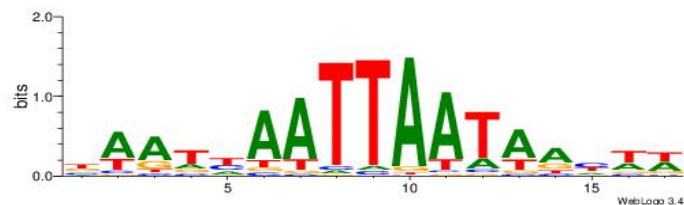
Motif name: Tlx2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.025633

Alignment:

WWDTTATTAATTHATTV
 -HDTAATTAATTAHD--

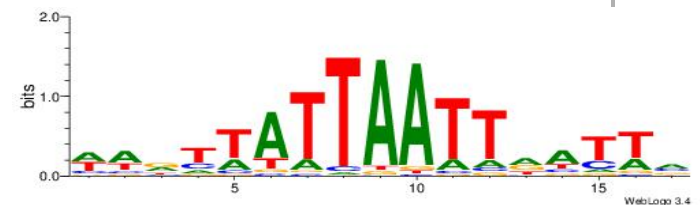
Original motif

Consensus sequence: BAATHAATTAATAAHWW



Reverse complement motif

Consensus sequence: WWDTTATTAATTHATTV



Motif ID: [UP00188](#)
 Motif name: Lmx1a
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 14

Similarity score: 0.0267452

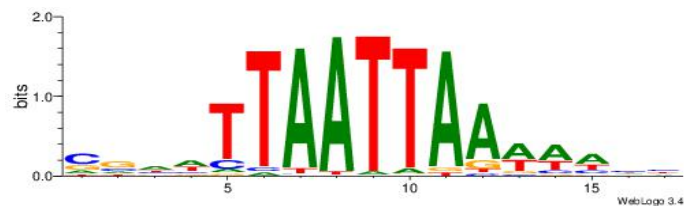
Alignment:

BDWWTTAATTAAHHVG

HDTAATTAATTAHD---

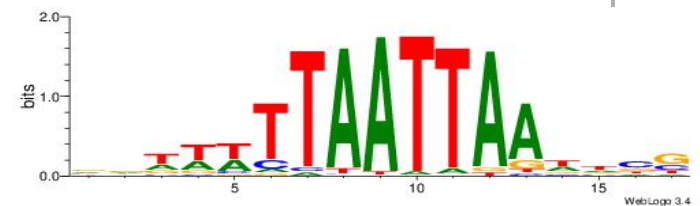
Original motif

Consensus sequence: CVHHTTAATTAAWWWHB



Reverse complement motif

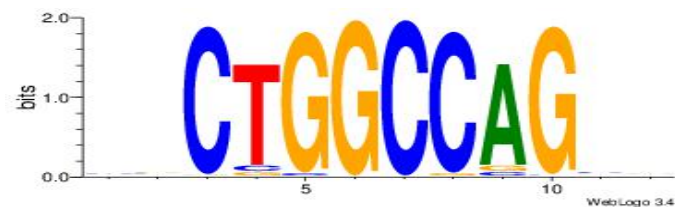
Consensus sequence: BDWWTTAATTAAHHVG



Dataset #: 4 **Motif ID: 99** **Motif name: sgCTGGCCAGcs**

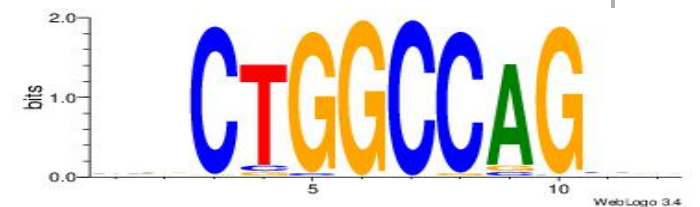
Original motif

Consensus sequence: BBCTGGCCAGVV



Reverse complement motif

Consensus sequence: VVCTGGCCAGBB



Best Matches for Motif ID 99 (Highest to Lowest)

Motif ID: [UP00009](#)
Motif name: Nr2f2_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement

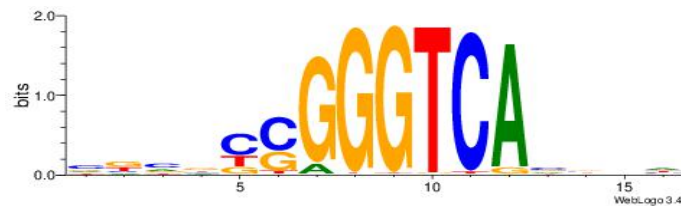
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	12
Similarity score:	0.00474165

Alignment:

```
HVBVTGACCCSGBVBV
-VVCTGGCCAGBB---
```

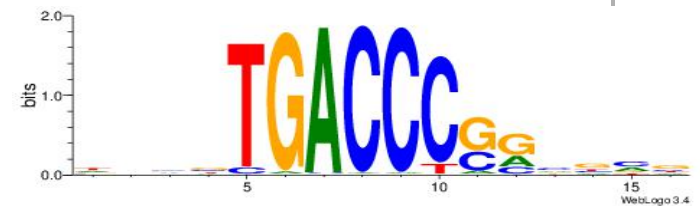
Original motif

Consensus sequence: VBVBCTGGGTCVBBH



Reverse complement motif

Consensus sequence: HVBVTGACCCSGBVBV



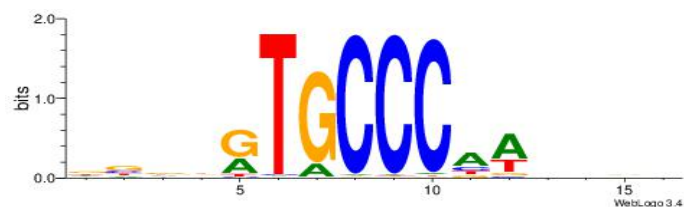
Motif ID:	UP00035
Motif name:	Hic1_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	12
Similarity score:	0.0109352

Alignment:

DBDDRTGCCCCAWDHDV
--BBCTGGCCAGVV--

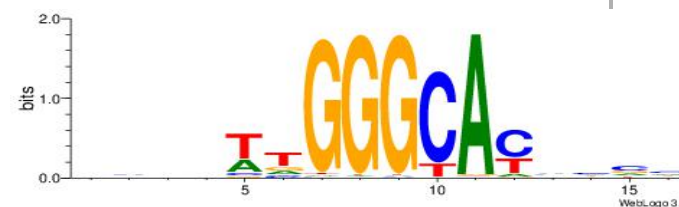
Original motif

Consensus sequence: DBDDRTGCCCCAWDHDV



Reverse complement motif

Consensus sequence: VHHDWTGGGCAMDHBH



Motif ID:	UP00000
Motif name:	Smad3_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	12
Similarity score:	0.0138613

Alignment:

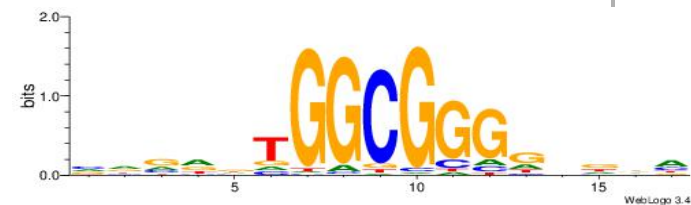
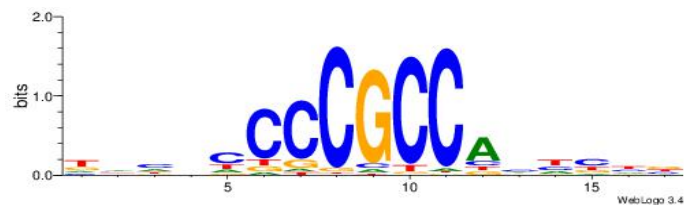
DHHBCCCCGCCAHHBHB
---VVCTGGCCAGBB--

Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB

Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD

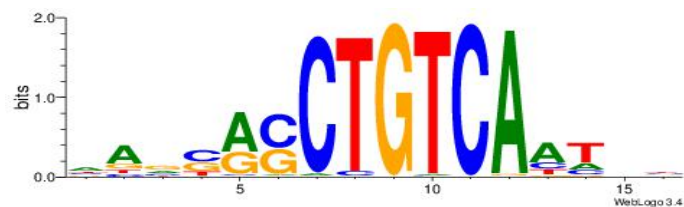


Motif ID: [UP00205](#)
 Motif name: Pknox2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0145909

Alignment:
 VHATTGACAGSKSVTH
 VVCTGGCCAGBB----

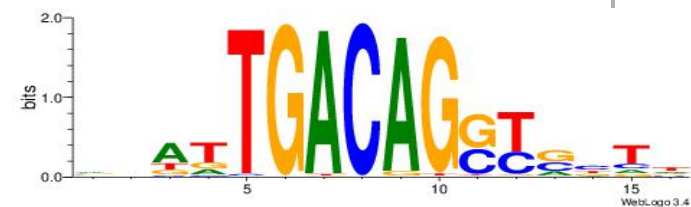
Original motif

Consensus sequence: HAVSRCTGTCAATHB



Reverse complement motif

Consensus sequence: VHATTGACAGSKSVTH



Motif ID: [UP00079](#)

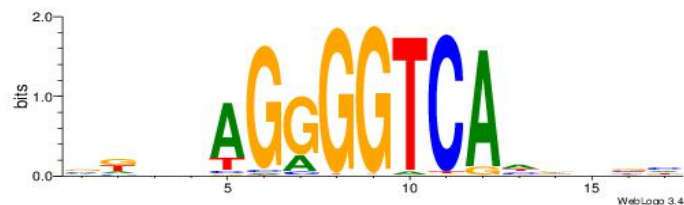
Motif name: Esrra_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0169376

Alignment:

DBBHHTGACCCCTBBYV
 --VVCTGGCCAGBB---

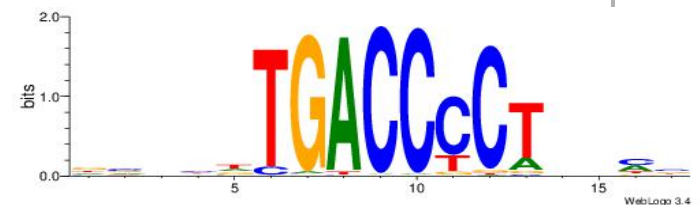
Original motif

Consensus sequence: VKBBAGGGGTCAHDBBH



Reverse complement motif

Consensus sequence: DBBHHTGACCCCTBBYV



Motif ID: [UP000000](#)
 Motif name: Smad3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 12

Similarity score: 0.0199919

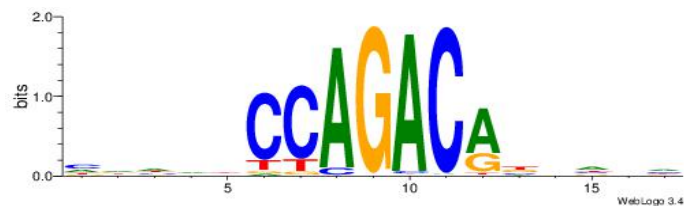
Alignment:

HDHDDCCAGACABBHVH

---BBCTGGCCAGVV--

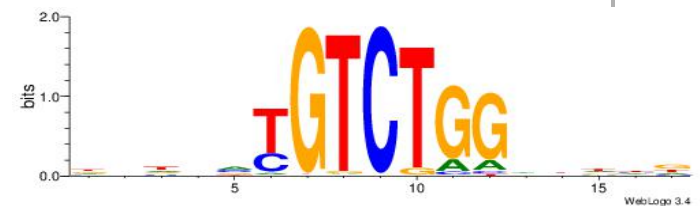
Original motif

Consensus sequence: HDHDDCCAGACABBHVH



Reverse complement motif

Consensus sequence: HVHBVTGTCTGGDDHDD



Motif ID: [UP00203](#)

Motif name: Pknox1

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 1

Number of overlap: 12

Similarity score: 0.0212885

Alignment:

VVWTTGACAGSTSBKD

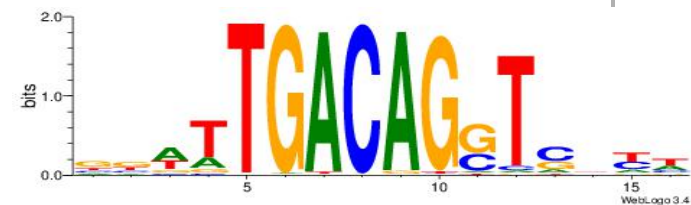
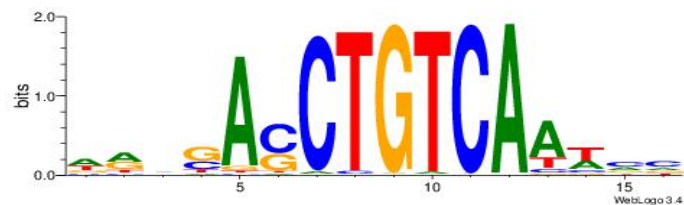
VVCTGGCCAGBB----

Original motif

Consensus sequence: DRVSASCTGTCAAWVV

Reverse complement motif

Consensus sequence: VVWTTGACAGSTSBKD



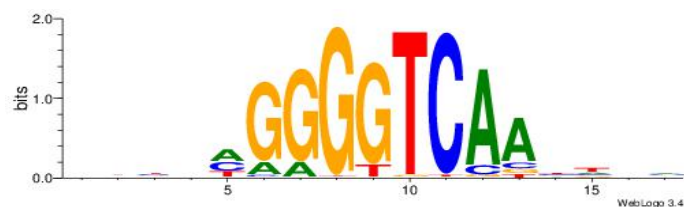
Motif ID: [UP00066](#)
 Motif name: Hnf4a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.021656

Alignment:

BHHVTTGACCCCYVVDB
 --BBCTGGCCAGVV---

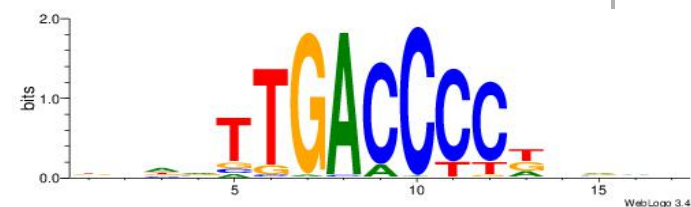
Original motif

Consensus sequence: BDBVMGGGGTCAABHDV



Reverse complement motif

Consensus sequence: BHHVTTGACCCCYVVDB



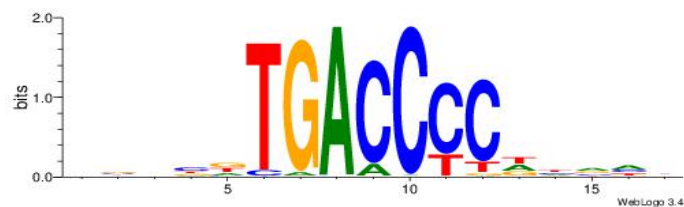
Motif ID: [UP00053](#)
 Motif name: Rxra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0218735

Alignment:

VHBHDGGGGTCAHBHBD
 ---VVCTGGCCAGBB--

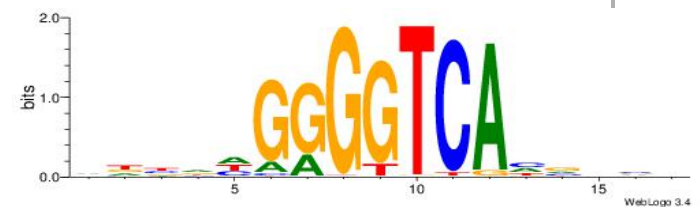
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHBD



Motif ID: [UP00258](#)
 Motif name: Tgif2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1

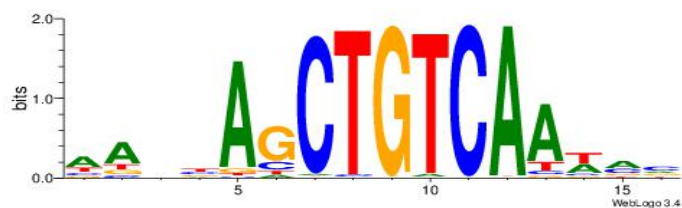
Number of overlap: 12
Similarity score: 0.0219271

Alignment:

AABBAGCTGTCAAWVV
----BBCTGGCCAGVV

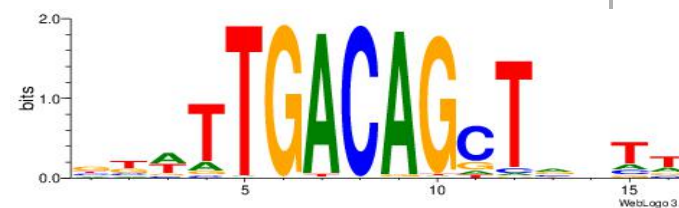
Original motif

Consensus sequence: AABBAGCTGTCAAWVV



Reverse complement motif

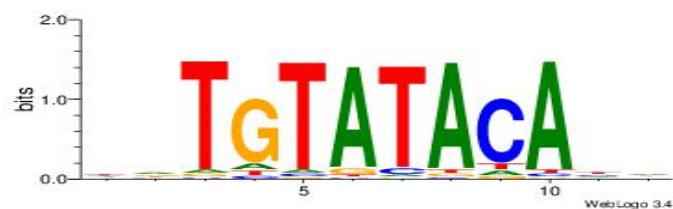
Consensus sequence: VBWTTGACAGCTVBTT



Dataset #: 4 Motif ID: 100 Motif name: wrTGTATACAw

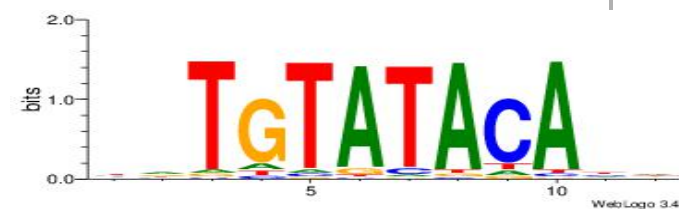
Original motif

Consensus sequence: HDTGTATACAHD



Reverse complement motif

Consensus sequence: DHTGTATACADH



Best Matches for Motif ID 100 (Highest to Lowest)

Motif ID: [UP00073](#)
Motif name: Foxa2_primary
Species: Mus musculus

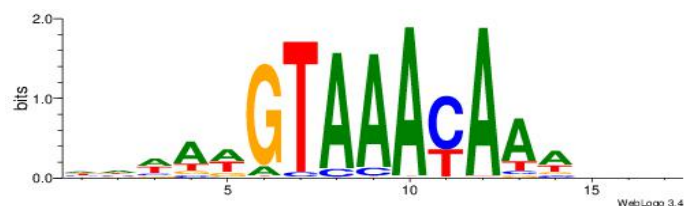
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	12
Similarity score:	0.0132896

Alignment:

```
BDVTTTKTTTACWTWHH
---DHTGTATACADH---
```

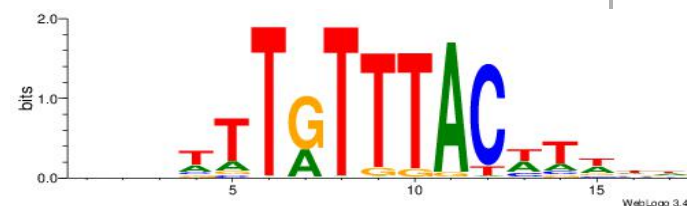
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



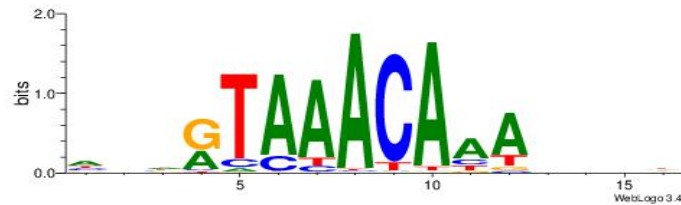
Motif ID:	UP00041
Motif name:	Foxj1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	12
Similarity score:	0.0143028

Alignment:

DDDHTTTGTTTAMHDH
----DHTGTATACADH

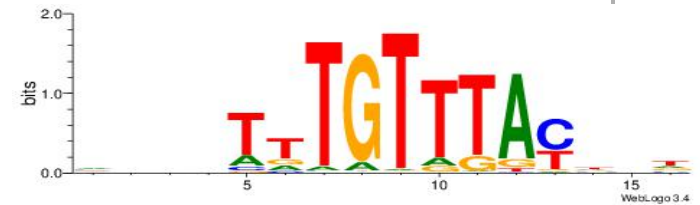
Original motif

Consensus sequence: HDHRTAAACAAHDDD



Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDH



Motif ID:	UP00025
Motif name:	Foxk1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	12
Similarity score:	0.0153751

Alignment:

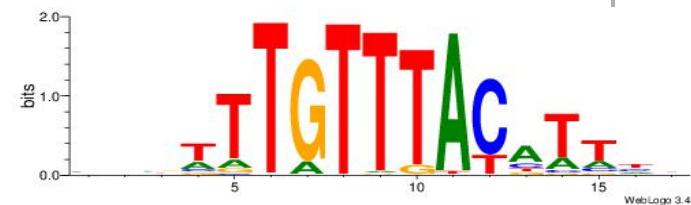
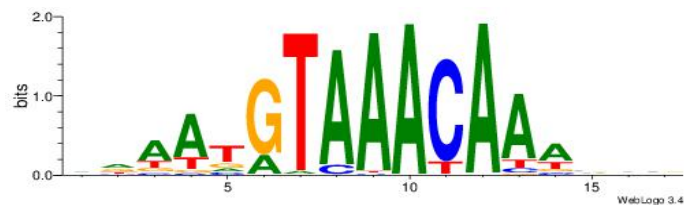
BBVTTTGTTTACATTDD
---HDTGTATACAHD--

Original motif

Consensus sequence: DDAATGTAAACAAVVB

Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD

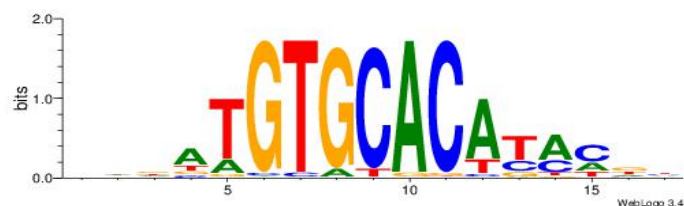


Motif ID: [UP00042](#)
 Motif name: Gm397_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0176354

Alignment:
 HH DATGTGCACATAMDH
 --HDTGTATACAHD---

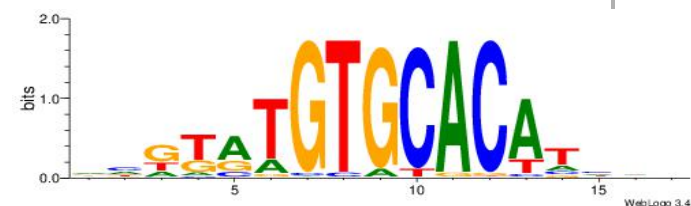
Original motif

Consensus sequence: HH DATGTGCACATAMDH



Reverse complement motif

Consensus sequence: HH RTATGTGCACATHHD



Motif ID: [UP00061](#)

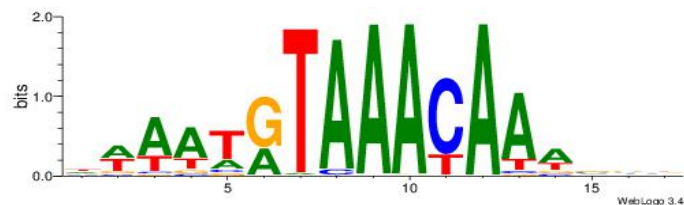
Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0182546

Alignment:

VVVWTTGTTTAMATTWD
 ---HDTGTATACAH--

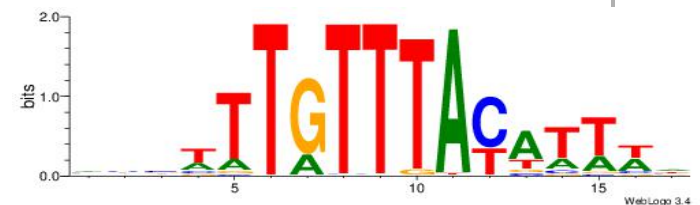
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



Motif ID: [UP00039](#)
 Motif name: Foxj3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 12

Similarity score: 0.0187495

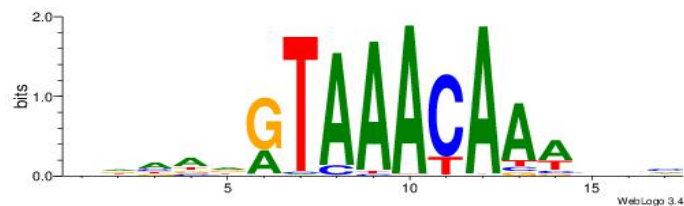
Alignment:

HDHADGTAAACAAVVH

--HDTGTATACAHD---

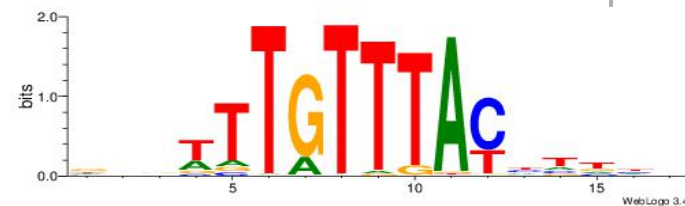
Original motif

Consensus sequence: HDHADGTAAACAAVVH



Reverse complement motif

Consensus sequence: DVVTTTGTTCACDTHDH



Motif ID: [UP00026](#)
Motif name: Zscan4_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 12
Similarity score: 0.0196417

Alignment:

DHVDGTGTGCACAYAHDH

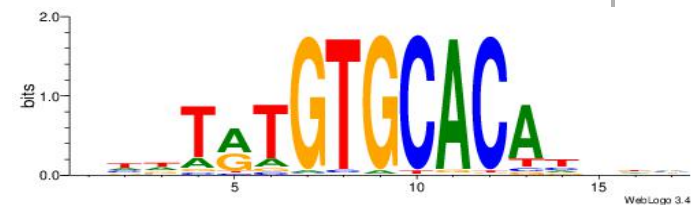
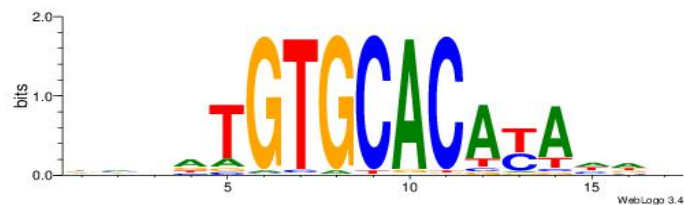
--HDTGTATACAHD---

Original motif

Consensus sequence: DHVDGTGTGCACAYAHDH

Reverse complement motif

Consensus sequence: HDHTMTGTGCACADVHD



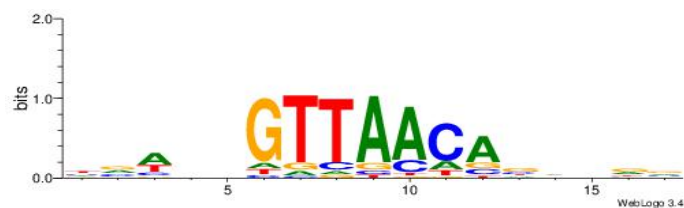
Motif ID: [UP00012](#)
 Motif name: Bbx_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0265422

Alignment:

HVWHBGTTAACABHBDV
 --DHTGTATACADH---

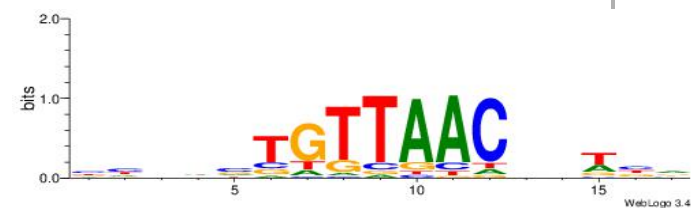
Original motif

Consensus sequence: HVWHBGTTAACABHBDV



Reverse complement motif

Consensus sequence: VHVHBTGTTAACVHWVH



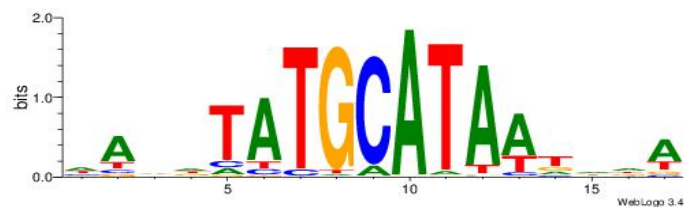
Motif ID: [UP00211](#)
 Motif name: Pou3f3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0279898

Alignment:

TDDATTATGCATADDTH
 -HDTGTATACAHD-----

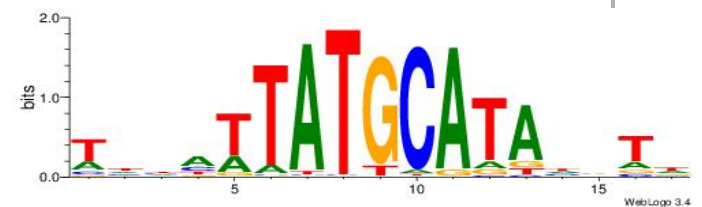
Original motif

Consensus sequence: HADDTATGCATAATDDA



Reverse complement motif

Consensus sequence: TDDATTATGCATADDTH



Motif ID: [UP00055](#)
 Motif name: Hbp1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3

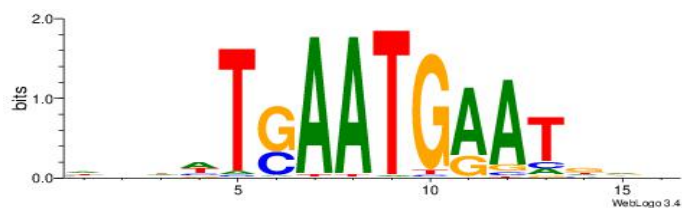
Number of overlap: 12
Similarity score: 0.0282959

Alignment:

VDHATTCATTSAWDDH
--HDTGTATACAHD--

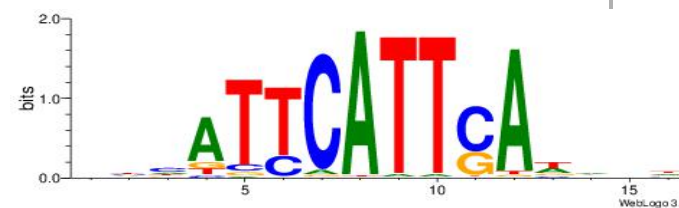
Original motif

Consensus sequence: HHDWTSATGAATDDB



Reverse complement motif

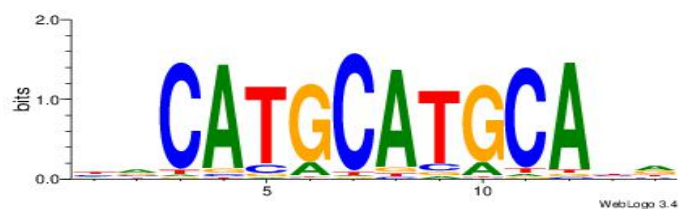
Consensus sequence: VDHATTCATTSAWDDH



Dataset #: 4 Motif ID: 101 Motif name: AAAAAAAAAA

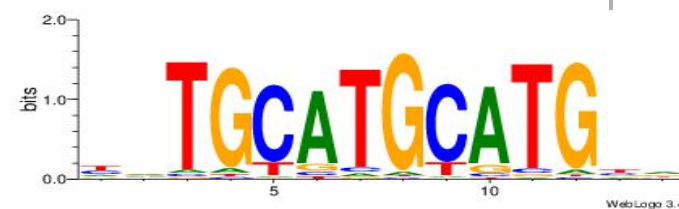
Original motif

Consensus sequence: HVCATGCATGCABD



Reverse complement motif

Consensus sequence: DVTGCATGCATGBH



Best Matches for Motif ID 101 (Highest to Lowest)

Motif ID: [UP00055](#)
Motif name: Hbp1_primary
Species: Mus musculus

Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	14
Similarity score:	0.00924574

Alignment:

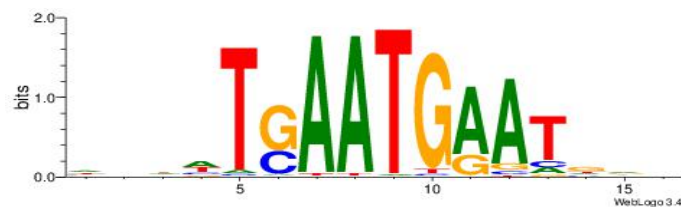
```

HHDWTSAAATGAATDDB
--DVTGCATGCATGBH

```

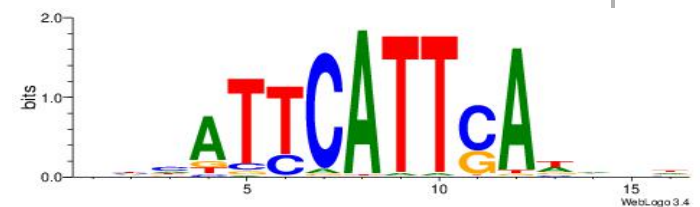
Original motif

Consensus sequence: HHDWTSAAATGAATDDB



Reverse complement motif

Consensus sequence: VDHATTCATTSAWDDH



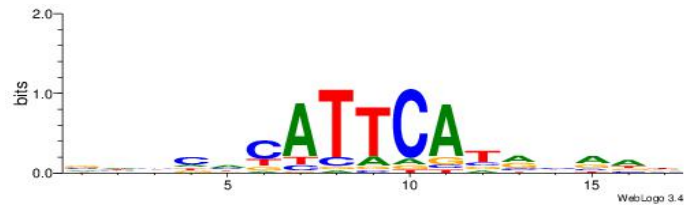
Motif ID:	UP00014
Motif name:	Sox17_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	14
Similarity score:	0.0167718

Alignment:

VHBHHCATTCATRHVDD
---HVCATGCATGCABD

Original motif

Consensus sequence: VHBHHCATTCATRHVDD



Reverse complement motif

Consensus sequence: DDBDKATGAATGHDBHV



Motif ID:	UP00150
Motif name:	Irx6
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0202583

Alignment:

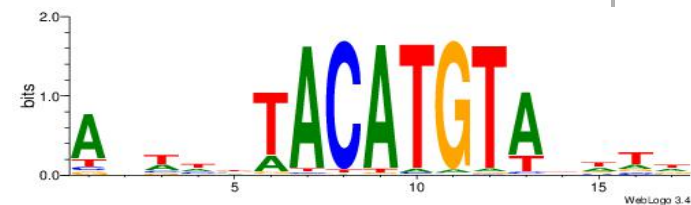
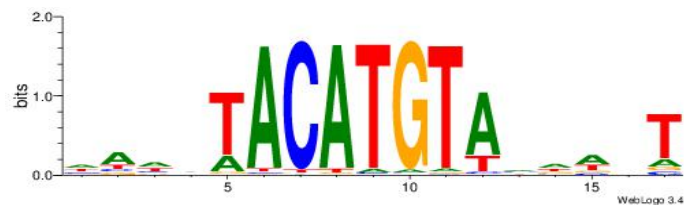
HAHDTACATGTAVDWHT
HVCATGCATGCABD---

Original motif

Consensus sequence: HAHDTACATGTAVDWHT

Reverse complement motif

Consensus sequence: AHWDBTACATGTADHTH



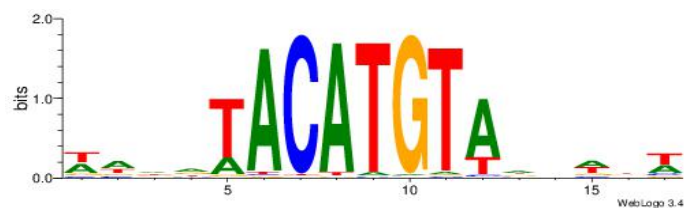
Motif ID: [UP00236](#)
 Motif name: Irx2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0237467

Alignment:

WDDDTACATGTADDWBW
 HVCATGCATGCABD---

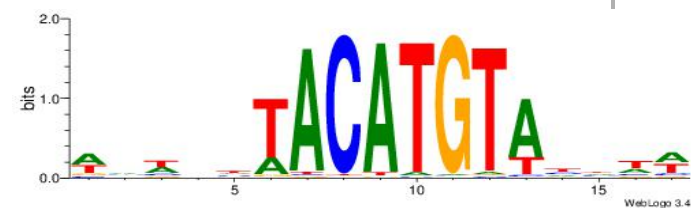
Original motif

Consensus sequence: WDDDTACATGTADDWBW



Reverse complement motif

Consensus sequence: WVWDDTACATGTADDW



Motif ID: [UP00211](#)

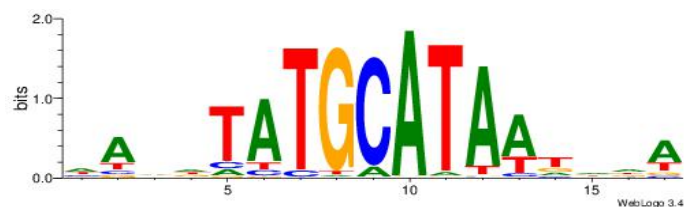
Motif name: Pou3f3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0245446

Alignment:

HADDTATGCATAATDDA
 --HVCATGCATGCABD-

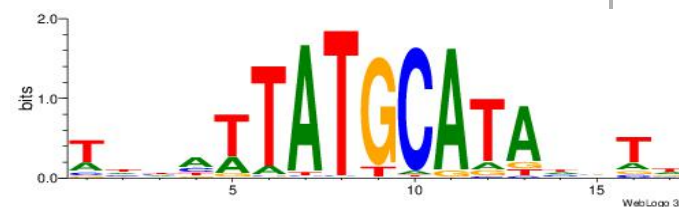
Original motif

Consensus sequence: HADDTATGCATAATDDA



Reverse complement motif

Consensus sequence: TDDATTATGCATADDTH



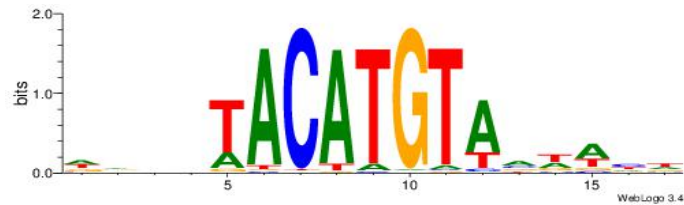
Motif ID: [UP00223](#)
 Motif name: Irx3_0920.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0252726

Alignment:

DDDDTACATGTAVWWHD
HVCATGCATGCABD---

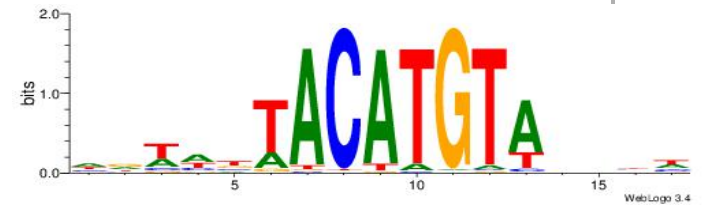
Original motif

Consensus sequence: DDDDTACATGTAVWWHD



Reverse complement motif

Consensus sequence: DDWWBTACATGTADDDD



Motif ID:	UP00250
Motif name:	Irx5
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	14
Similarity score:	0.0256022

Alignment:

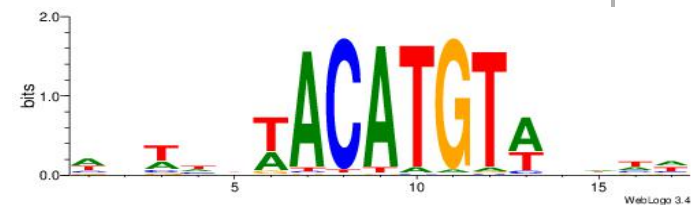
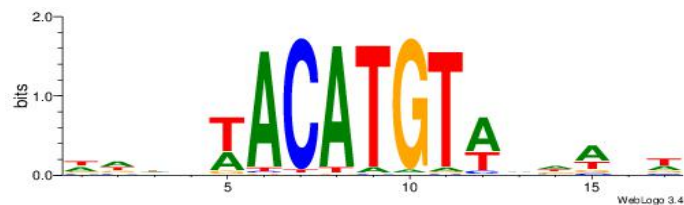
DDDHWACATGTWHDABW
HVCATGCATGCABD---

Original motif

Consensus sequence: DDDHWACATGTWHDABW

Reverse complement motif

Consensus sequence: WVTDHWACATGTWHDDD

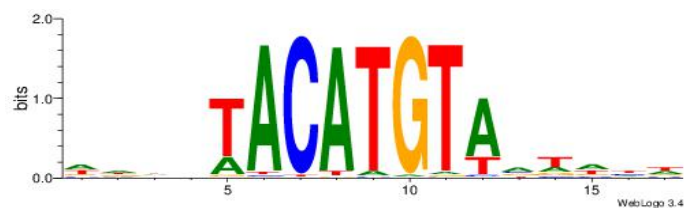


Motif ID: [UP00223](#)
 Motif name: Irx3_2226.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0274094

Alignment:
 DHDWBTACATGTAHDDD
 -HVCATGCATGCABD--

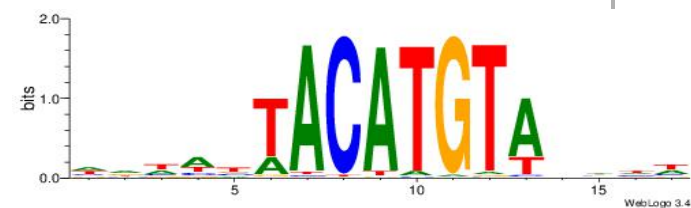
Original motif

Consensus sequence: DDDHTACATGTAVWDHD



Reverse complement motif

Consensus sequence: DHDWBTACATGTAHDDD



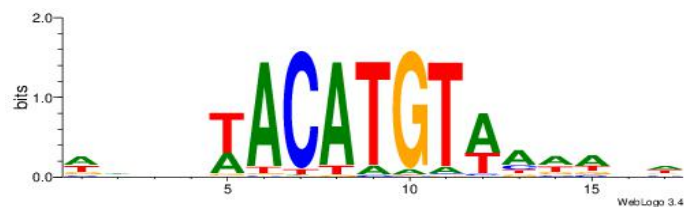
Motif ID: [UP00194](#)

Motif name: Irx4
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0288893

Alignment:
 WDHDWACATGTWAWABD
 HVCATGCATGCABD---

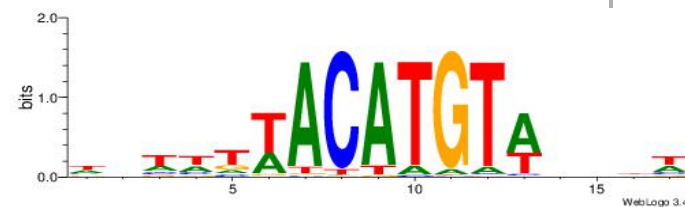
Original motif

Consensus sequence: WDHDWACATGTWAWABD



Reverse complement motif

Consensus sequence: DBTWTWACATGTWDHDW



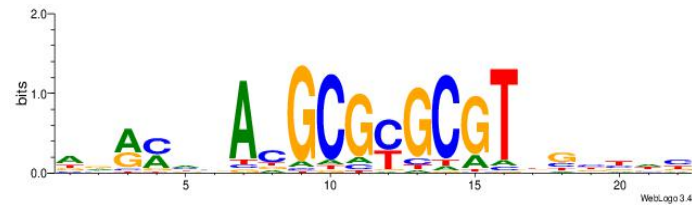
Motif ID: [UP00526](#)
 Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 14
 Similarity score: 0.0296768

Alignment:

```
DDRMHBACGCGYGCGTDGBBDB
---HVCATGCATGCABD-----
```

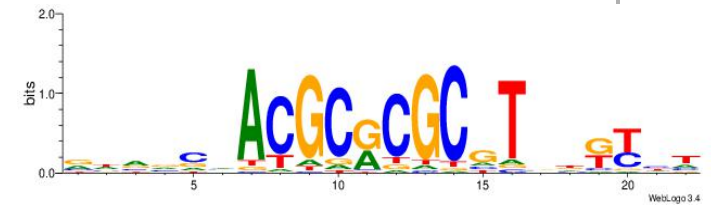
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



Dataset #: 4 Motif ID: 102 Motif name: AAAAAAAAAA

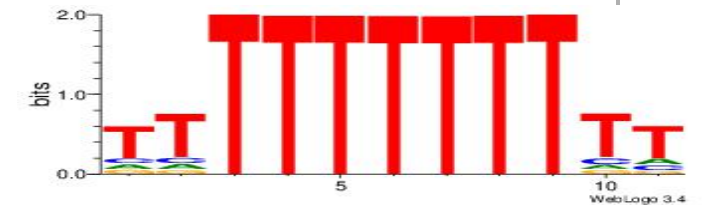
Original motif

Consensus sequence: AAAAAAAAAA



Reverse complement motif

Consensus sequence: TTTTTTTTTT



Best Matches for Motif ID 102 (Highest to Lowest)

Motif ID:	UP00077
Motif name:	Srf_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif

Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.00431539

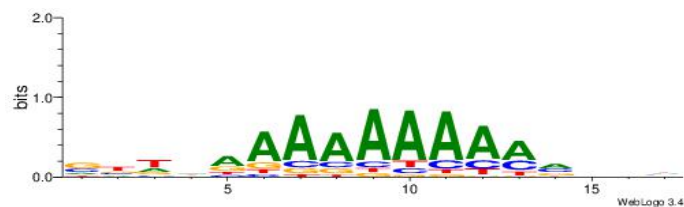
Alignment:

VBDDAAAAAAAAAMVBHH

---AAAAAAAAA---

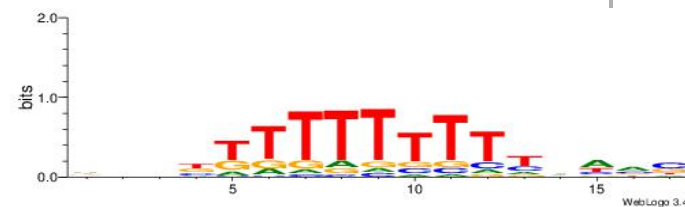
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDVV



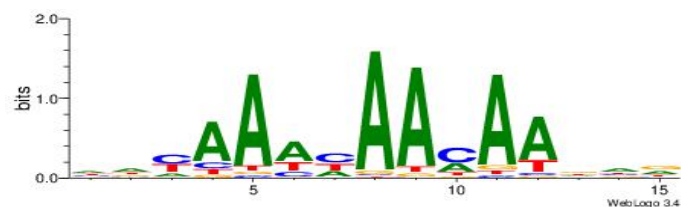
Motif ID: [UP00037](#)
Motif name: Zfp105_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 11
Similarity score: 0.00784339

Alignment:

HHHTTRTTDTTTKDH
--TTTTTTTTTTT--

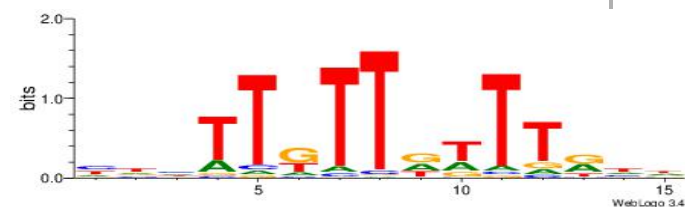
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTTRTTDTTTKDH



Motif ID:	UP00073
Motif name:	Foxa2_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	11
Similarity score:	0.0119308

Alignment:

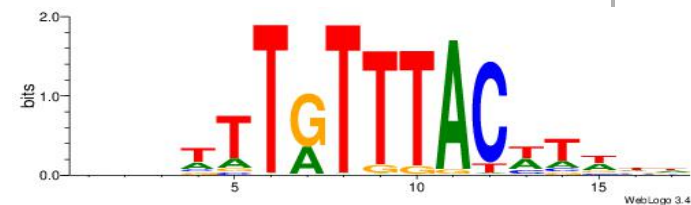
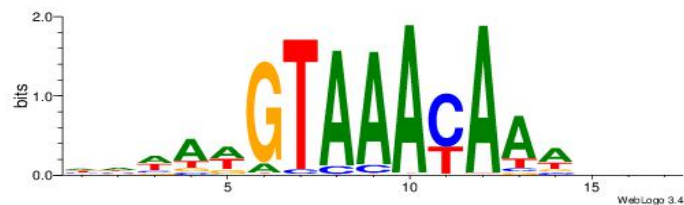
BDVTTTKTTTACWTWHH
---TTTTTTTTTTT---

Original motif

Consensus sequence: HHWAWGTAAAYAAVDB

Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH

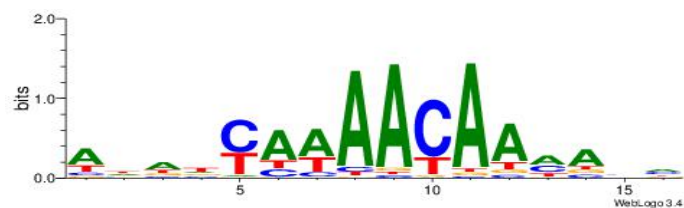


Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0129906

Alignment:
 HDTYTTGTTWTKDDDT
 --TTTTTTTTTTTT--

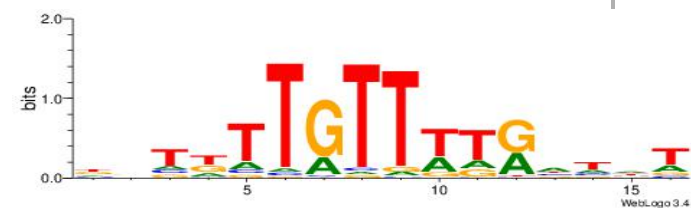
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



Motif ID: [UP00025](#)

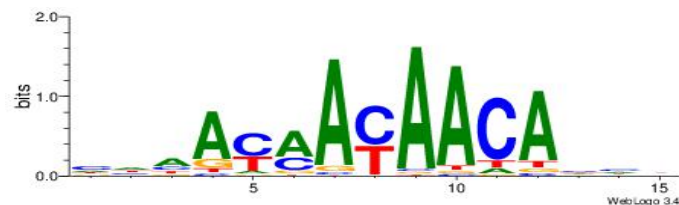
Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0136111

Alignment:

HDDTGTTKTTKTHHD
 --TTTTTTTTTTT--

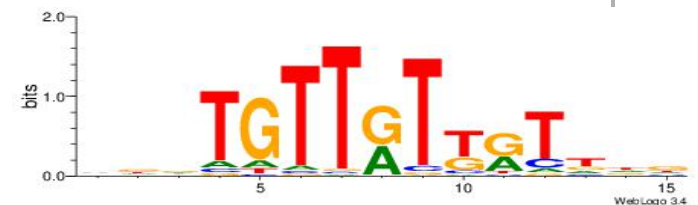
Original motif

Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11

Similarity score: 0.0145474

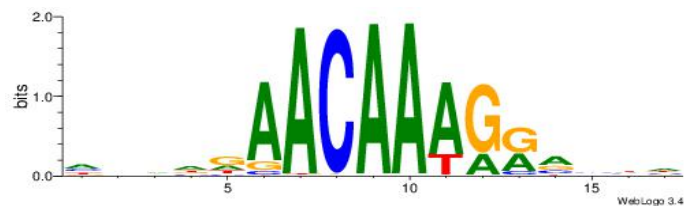
Alignment:

HBDDDAACAAAGRVBHH

---AAAAAAAAAAAA---

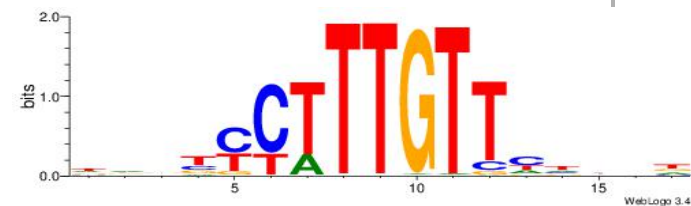
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH



Motif ID: [UP00030](#)
Motif name: Sox11_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0146244

Alignment:

HBDDRAACAAAGRABHH

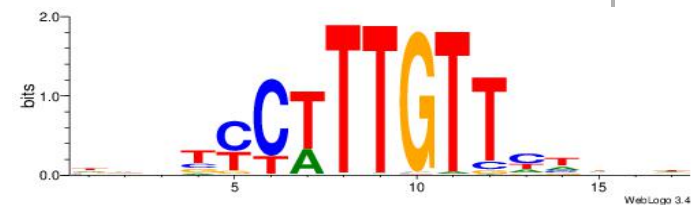
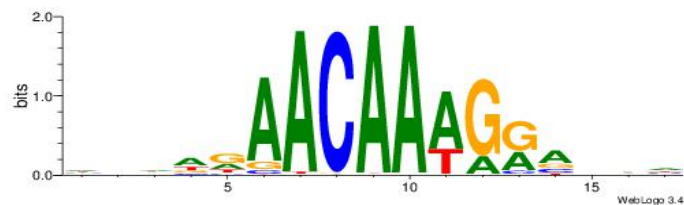
---AAAAAAAAAAAA---

Original motif

Consensus sequence: HBDDRAACAAAGRABHH

Reverse complement motif

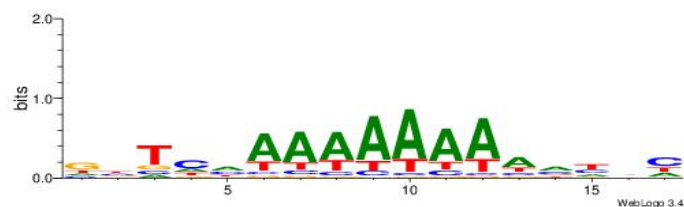
Consensus sequence: HHBTMCTTTGTTMDDVH



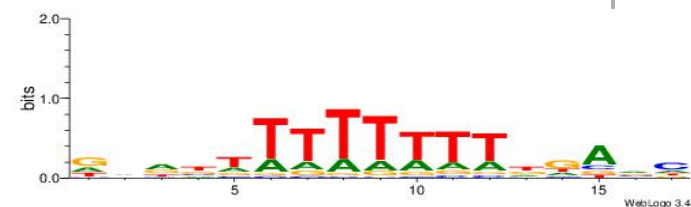
Motif ID: [UP00090](#)
 Motif name: Elf3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0148887

Alignment:
 DBTHHAAAAAAAAAVHDH
 ---AAAAAAAAA---

Original motif
 Consensus sequence: DBTHHAAAAAAAAAVHDH



Reverse complement motif
 Consensus sequence: DDHBTTTTTTTTTHDAVH



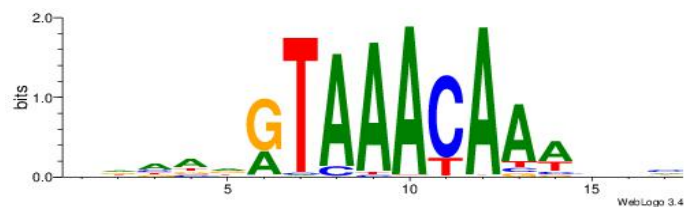
Motif ID: [UP00039](#)
 Motif name: Foxj3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.015167

Alignment:

HDHADGTAAACAAAVVH
 ---AAAAAAAAA---

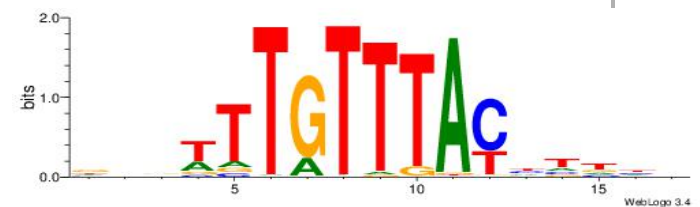
Original motif

Consensus sequence: HDHADGTAAACAAAVVH



Reverse complement motif

Consensus sequence: DVVTTTGTTCACDTHDH



Motif ID: [UP00180](#)
 Motif name: Hoxd13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4

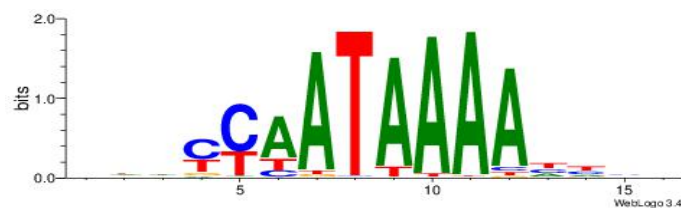
Number of overlap: 11
Similarity score: 0.0152905

Alignment:

HDHHTTTTATTKKHDD
--TTTTTTTTTTT---

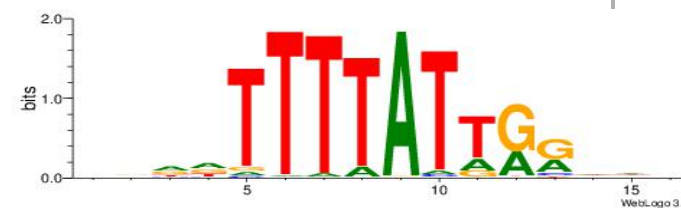
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

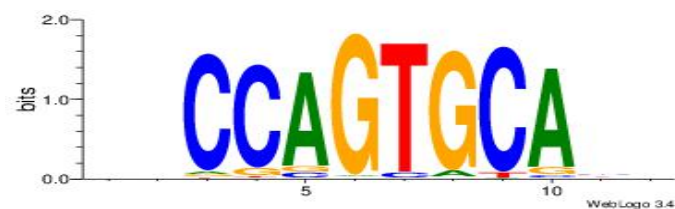
Consensus sequence: HDHHTTTTATTKKHDD



Dataset #: 4 **Motif ID: 103** **Motif name: ccCCAGTGCAbr**

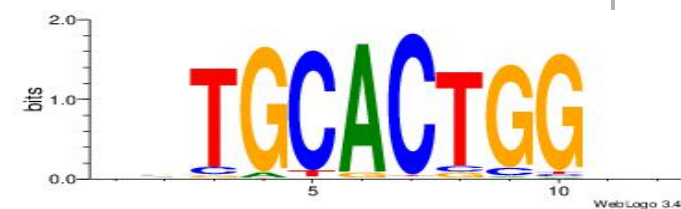
Original motif

Consensus sequence: HVCCAGTGCABD



Reverse complement motif

Consensus sequence: DBTGCACTGGVD



Best Matches for Motif ID 103 (Highest to Lowest)

Motif ID: [UP00031](#)
Motif name: Zbtb3_primary
Species: Mus musculus

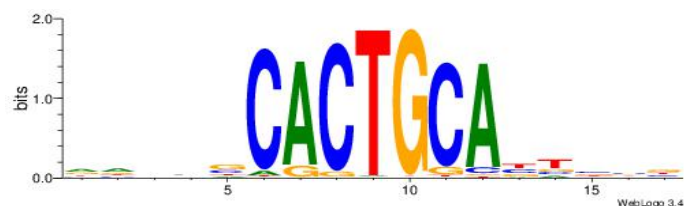
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	12
Similarity score:	0

Alignment:

```
DDBBBCACTGCABTBBB
--HVCCAGTGCABD---
```

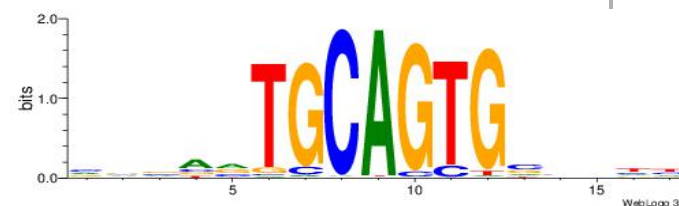
Original motif

Consensus sequence: DDBBBCACTGCABTBBB



Reverse complement motif

Consensus sequence: BBBAVTGCAGTGBBVD



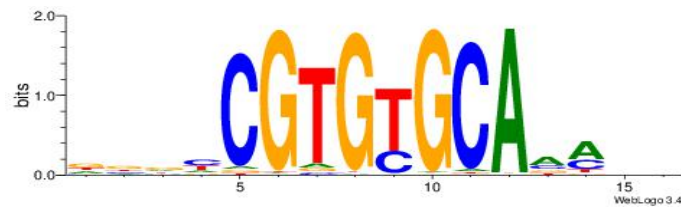
Motif ID:	UP00097
Motif name:	Mtf1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	12
Similarity score:	0.0128063

Alignment:

HDYTTGCACACGDHBH
--DBTGCACTGGVD--

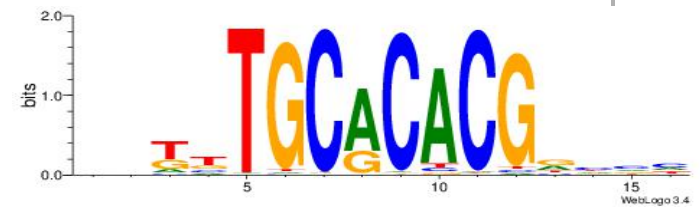
Original motif

Consensus sequence: DBDHCGTGTGCAAMDH



Reverse complement motif

Consensus sequence: HDYTTGCACACGDHBH



Motif ID:	UP00095
Motif name:	Zfp691_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	12
Similarity score:	0.019787

Alignment:

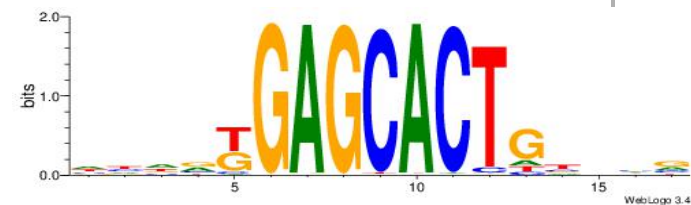
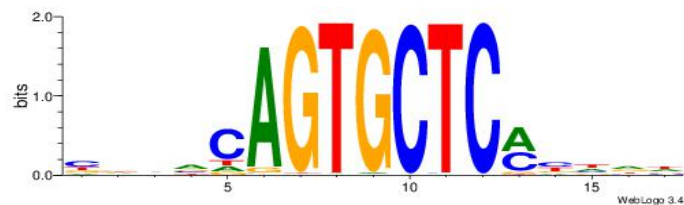
BDHVCAGTGCTCMBHDD
-HVCCAGTGCABD----

Original motif

Consensus sequence: BDHVCAGTGCTCMBHDD

Reverse complement motif

Consensus sequence: DDHBYGAGCACTGBHHB

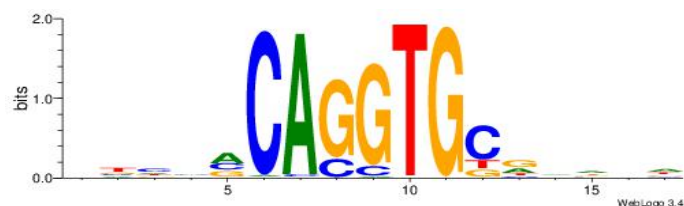


Motif ID: [UP00046](#)
 Motif name: Tcfe2a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0209863

Alignment:
 VBHHVCAGGTGCDVDHD
 ---HVCCAGTGCABD--

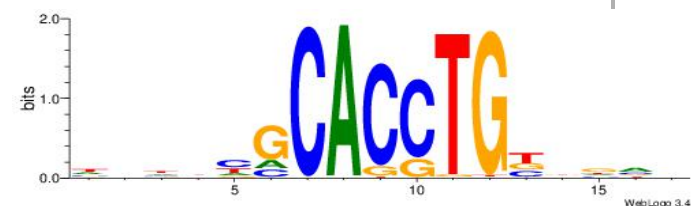
Original motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Reverse complement motif

Consensus sequence: DHDBHGCACCTGBDDVB



Motif ID: [UP00026](#)

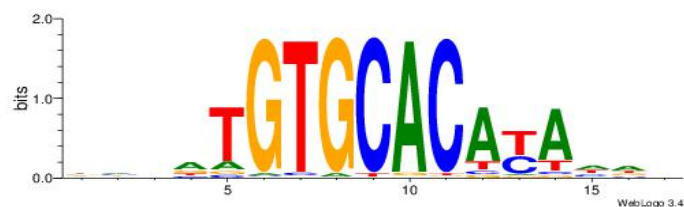
Motif name: Zscan4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 12
 Similarity score: 0.0225315

Alignment:

HDHTMTGTGCACADVHD
 -----DBTGCACTGGVD

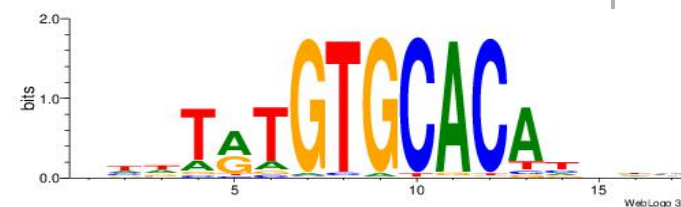
Original motif

Consensus sequence: DHVDTGTGCACAYAHDH



Reverse complement motif

Consensus sequence: HDHTMTGTGCACADVHD



Motif ID: [UP00066](#)
 Motif name: Hnf4a_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 12

Similarity score: 0.0257713

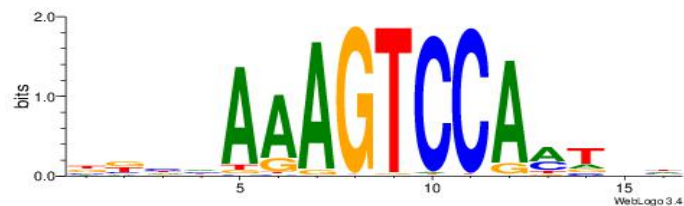
Alignment:

HHAYTGGACTTTHDBV

--DBTGCACTGGVD--

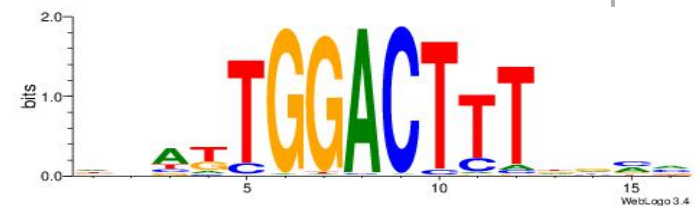
Original motif

Consensus sequence: BBHHAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTHDBV



Motif ID: [UP00042](#)
Motif name: Gm397_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 12
Similarity score: 0.0258552

Alignment:

HHRTATGTGCACATHHD

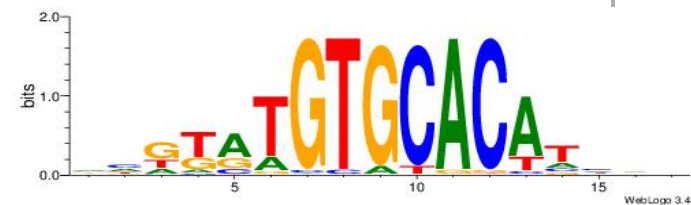
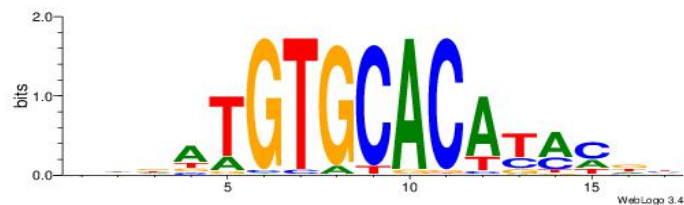
-----DBTGCACTGGVD

Original motif

Consensus sequence: HHDATGTGCACATAMDH

Reverse complement motif

Consensus sequence: HHRTATGTGCACATHHD

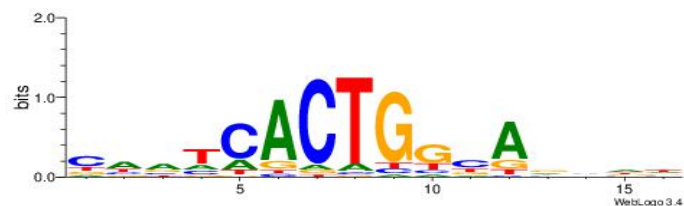


Motif ID: [UP00031](#)
 Motif name: Zbtb3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0270671

Alignment:
 CHVTCACTGGBADHDD
 ----HVCCAGTGCABD

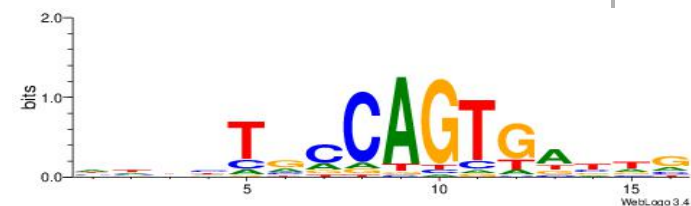
Original motif

Consensus sequence: CHVTCACTGGBADHDD



Reverse complement motif

Consensus sequence: DDHHTBCCAGTGCABHG



Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary

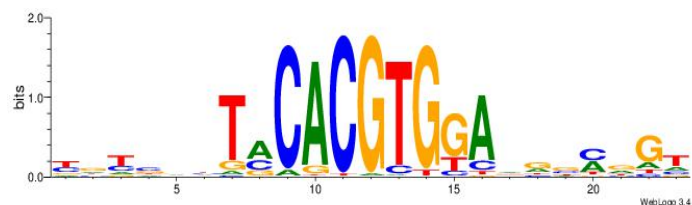
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 12
 Similarity score: 0.029338

Alignment:

ACHRBHDTCCACGTGYAHBMMH
 -----HVCCAGTGCABD-----

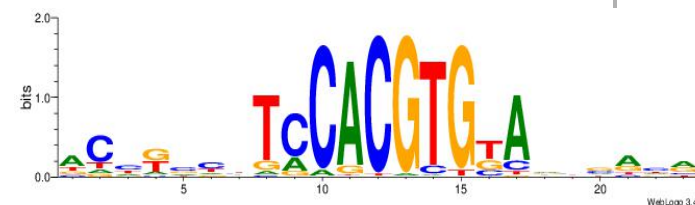
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHBMMH



Motif ID: [UP00079](#)
 Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0321416

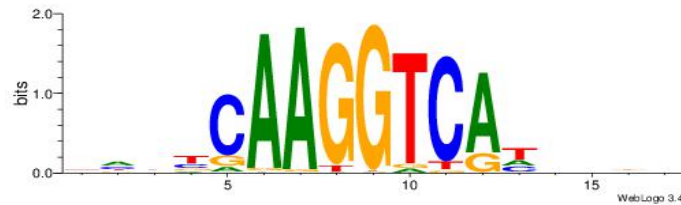
Alignment:

DHDBCAAGGTCAHVBDH

--HVCCAGTGCABD---

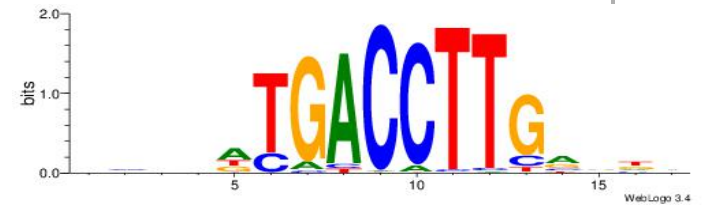
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

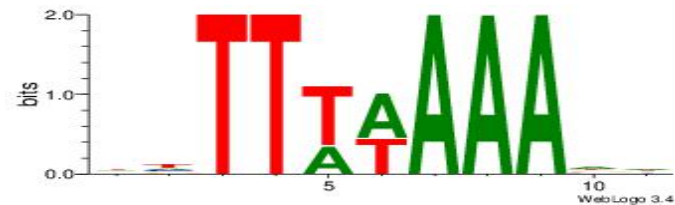
Consensus sequence: HHBVHTGACCTTGVDHD



Dataset #: 4 Motif ID: 104 Motif name: wtTTWwAAAaw

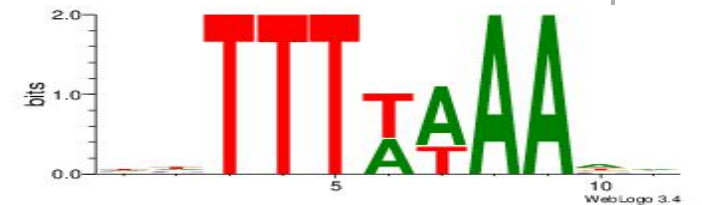
Original motif

Consensus sequence: HHTTTWAAADD



Reverse complement motif

Consensus sequence: DDTTTWAAHH



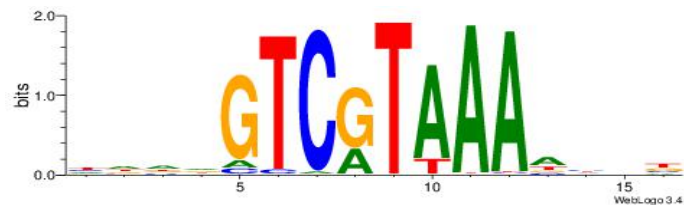
Best Matches for Motif ID 104 (Highest to Lowest)

Motif ID:	UP00245
Motif name:	Hoxc10
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement

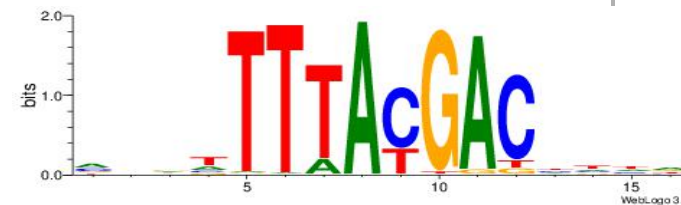
Direction: Forward
Position number: 3
Number of overlap: 11
Similarity score: 0.0119044

Alignment:
VBDDTTTACGACDDDH
--HHTTTWAAADD---

Original motif
Consensus sequence: HDDDGTCGTAAADHBB



Reverse complement motif
Consensus sequence: VBDDTTTACGACDDDH



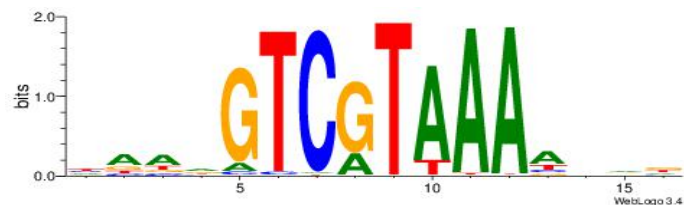
Motif ID: [UP00235](#)
Motif name: Hoxc11
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 11
Similarity score: 0.0143277

Alignment:

HDHTTTTACGACDTTH
--HHTTTWAAADD---

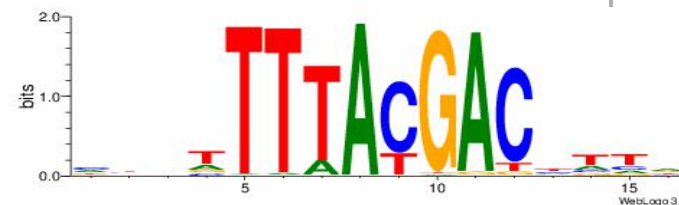
Original motif

Consensus sequence: HAADGTCGTAAAHDD



Reverse complement motif

Consensus sequence: HDHTTTTACGACDTTH



Motif ID:	UP00016
Motif name:	Sry_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	11
Similarity score:	0.0143283

Alignment:

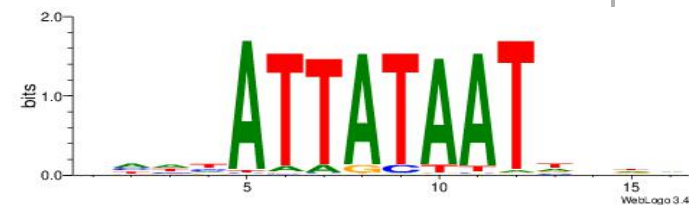
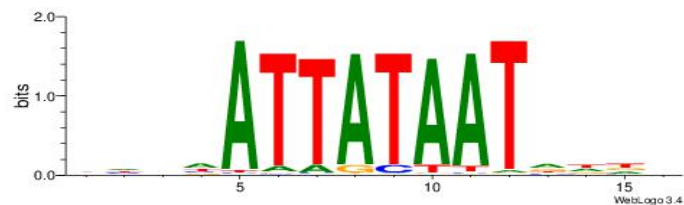
VDDDATTAATHDHV
--DDTTTWAAAH--

Original motif

Consensus sequence: BHDHATTATAATDDDV

Reverse complement motif

Consensus sequence: VDDDATTAATHDHV

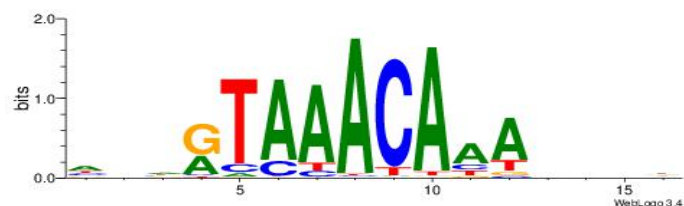


Motif ID: [UP00041](#)
 Motif name: Foxj1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0149572

Alignment:
 DDDHTTTGTTTAMHDDH
 ----DDTTTWAAAH--

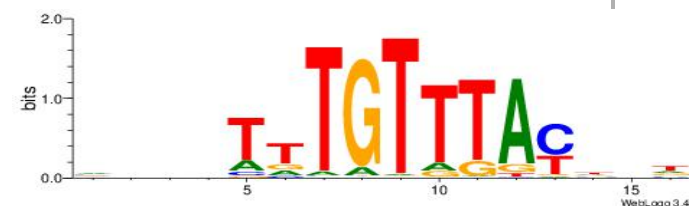
Original motif

Consensus sequence: HDHRTAAACAAHDDDD



Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDDH



Motif ID: [UP00173](#)

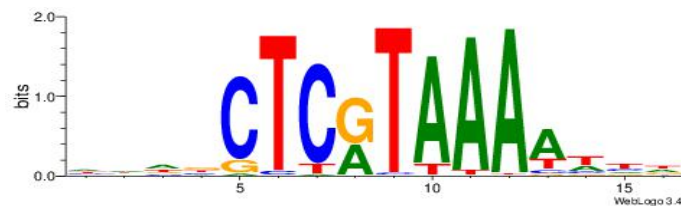
Motif name: Hoxc13
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0155375

Alignment:

DHWTTTAMGAGBDHH
 --HHTTTWAAADD--

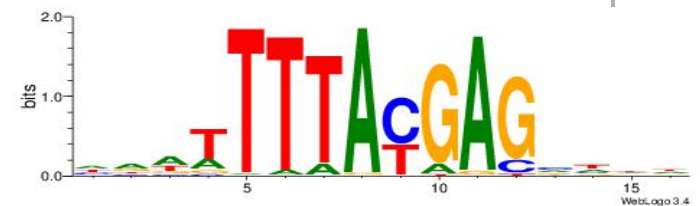
Original motif

Consensus sequence: HHDBCTCRTAAAWHD



Reverse complement motif

Consensus sequence: DHWTTTAMGAGBDHH



Motif ID: [UP00117](#)
 Motif name: Hoxd11
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11

Similarity score: 0.0159585

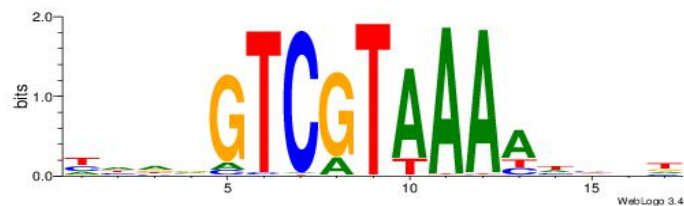
Alignment:

DDDHTTTTACGACVDHH

---HHTTTWAAADD---

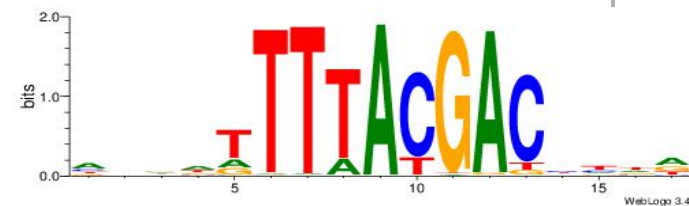
Original motif

Consensus sequence: HHDVGTCGTAAAAHHHD



Reverse complement motif

Consensus sequence: DDDHTTTTACGACVDHH



Motif ID: [UP00246](#)

Motif name: Hoxa11

Species: Mus musculus

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 3

Number of overlap: 11

Similarity score: 0.0168788

Alignment:

DDDTTTTACGACDTH

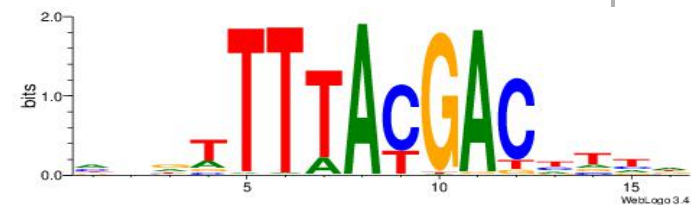
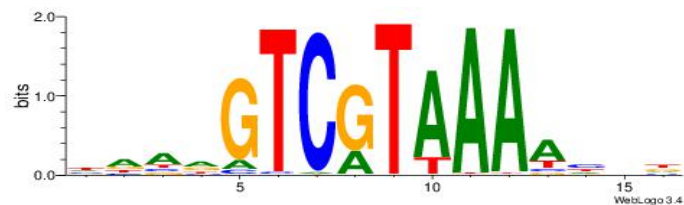
--HHTTTWAAADD---

Original motif

Consensus sequence: HDADGTCGTAAAAHDD

Reverse complement motif

Consensus sequence: DDDTTTACGACDTH



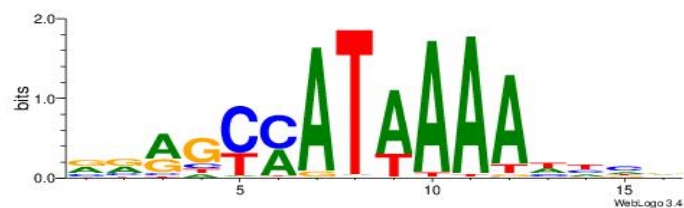
Motif ID: [UP00207](#)
 Motif name: Hoxb9
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0169735

Alignment:

HDHHTTTTATRGCKMV
 --HHTTTWAAADD---

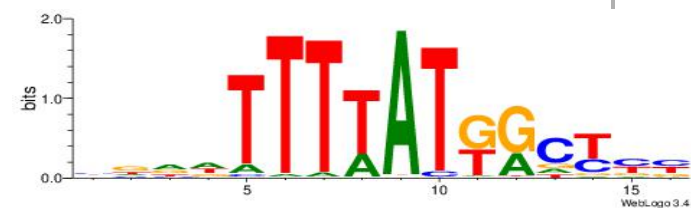
Original motif

Consensus sequence: VRRGCMATAAAHHHD



Reverse complement motif

Consensus sequence: HDHHTTTTATRGCKMV



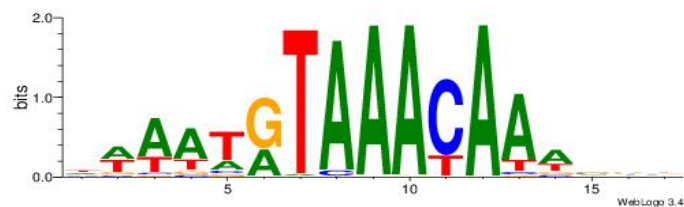
Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0178232

Alignment:

VVVWTTGTTTAMATTWD
 ---DDTTTWAAAH---

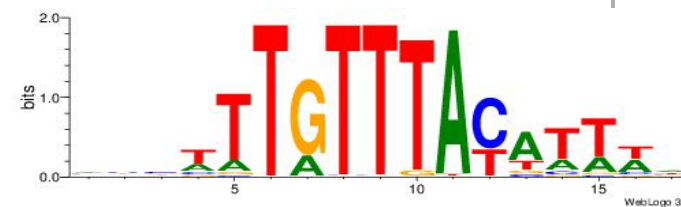
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



Motif ID: [UP00023](#)
 Motif name: Sox30_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3

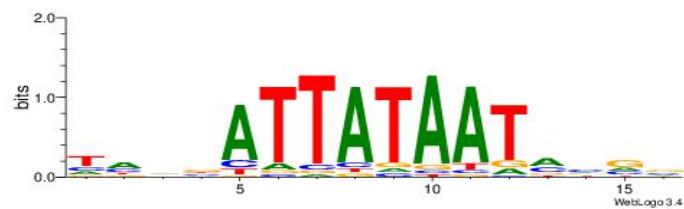
Number of overlap: 11
Similarity score: 0.0180189

Alignment:

THDBATTATAATMVVV
--DDTTTWAAAH--

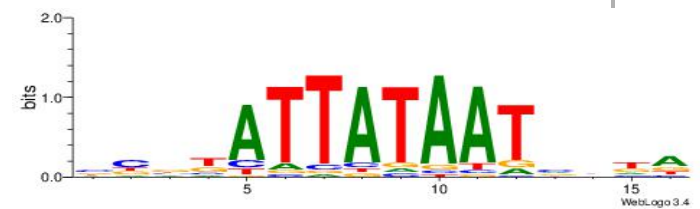
Original motif

Consensus sequence: THDBATTATAATMVVV



Reverse complement motif

Consensus sequence: VVVYATTATAATBDHA



Results created by MOTIFSIM on 11-20-2016 23:29:46
Runtime: 1002.53 seconds

MOTIFSIM is written by Ngoc Tam L. Tran
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