



MOTIFSIM - MOTIF SIMilarity Detection Tool

Version 2.2

INPUT

Input Parameters

Number of files:	5
Number of top significant motifs:	10
Number of best matches:	10
Similarity cutoff $\geq$	0.75
Matching motif database:	UniProbe Mus Musculus
Motif 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
MEME_DM05.txt	46	1
MEME-ChIP_DM05.txt	4	2
PScanChIP_DM05.txt	16	3
RSAT_peak-motifs_DM05.txt	17	4
W-ChIPMotifs_DM05.txt	11	5

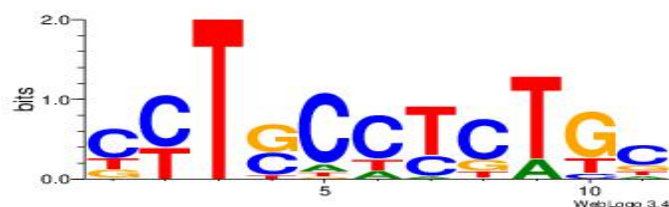
RESULTS

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

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

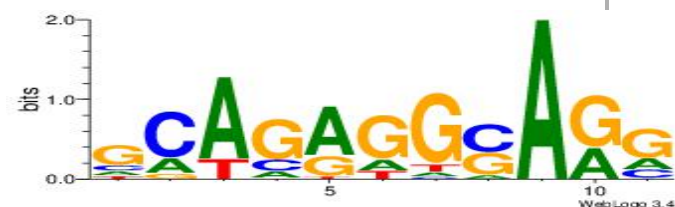
Original motif

Consensus sequence: CYTSCCTCTGC



Reverse complement motif

Consensus sequence: GCAGAGGSAKG



Best Matches for Motif ID 1 (Highest to Lowest)

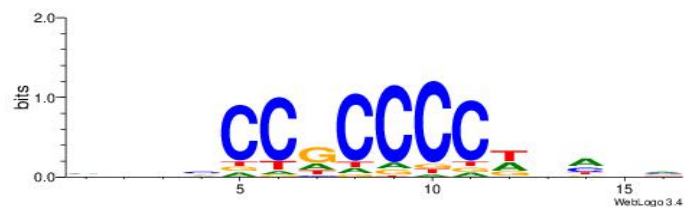
Motif ID:	UP00043
Motif name:	Bcl6b_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	11
Similarity score:	0.0313012

Alignment:

HBBBCCGCCCCWHHHV
 ---CYTSCCTCTGC---

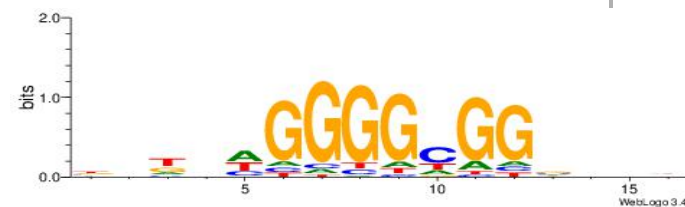
Original motif

Consensus sequence: HBBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



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: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.0317134

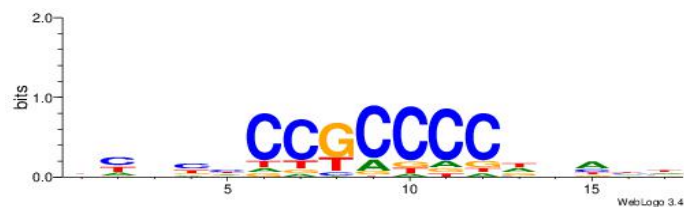
Alignment:

BHHBHCCGCCCCDHHHH

----CYTSCCTCTGC--

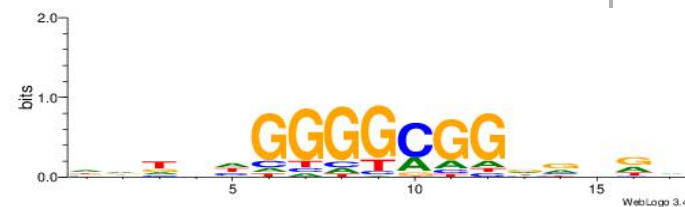
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHVD



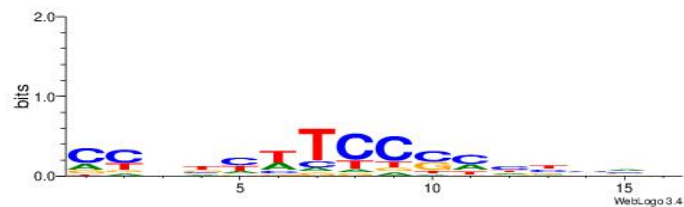
Motif ID: [UP00013](#)
Motif name: Gabpa_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 11
Similarity score: 0.0322746

Alignment:

CYDBYWTCCSMHBVVH
----CYTSCCTCTGC-

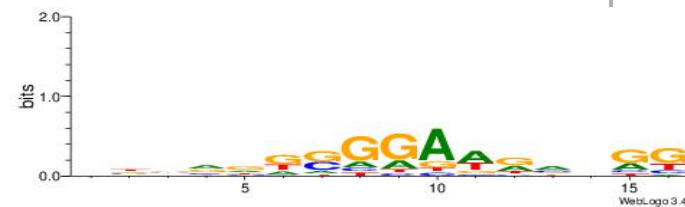
Original motif

Consensus sequence: CYDBYWTCCSMHBVVH



Reverse complement motif

Consensus sequence: DBVVD RSGGAWKVHKG



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: Backward

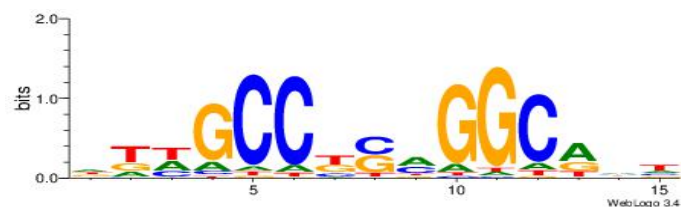
Position number: 5
Number of overlap: 11
Similarity score: 0.0336419

Alignment:

HHKGCCYSRGGCWAD
CYTSCCTCTGC-----

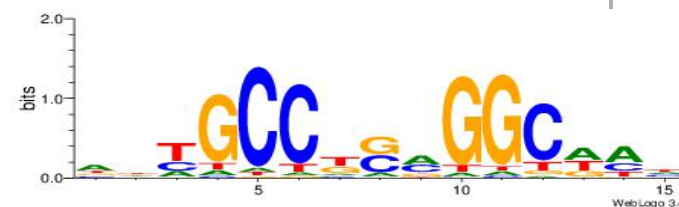
Original motif

Consensus sequence: DTWGCKSMGGCRHH



Reverse complement motif

Consensus sequence: HHKGCCYSRGGCWAD



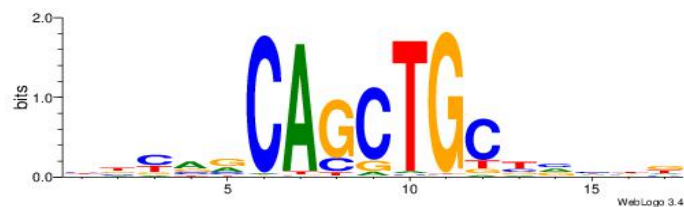
Motif ID: [UP00099](#)
Motif name: Ascl2_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0343277

Alignment:

HHDVVGCAGCTGVBKVB
-----GCAGAGGSAKG-

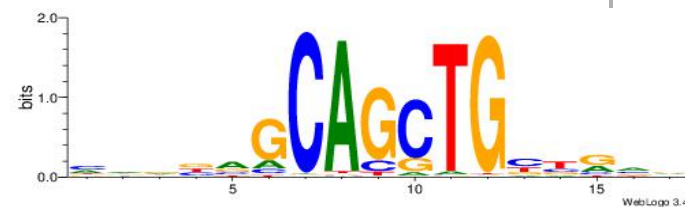
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HHDVVGCAGCTGVBKVB



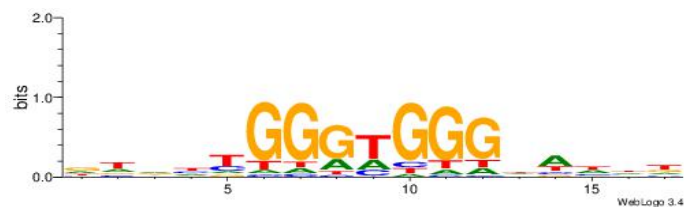
Motif ID: [UP00096](#)
 Motif name: Sox13_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0359879

Alignment:

DDDHTGGGTGGGHAHHD
 -----CYTSCCTCTGC

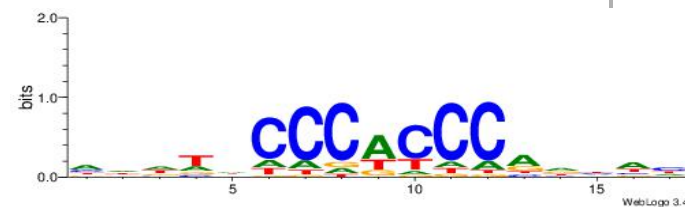
Original motif

Consensus sequence: DDDHTGGGTGGGHAHHD



Reverse complement motif

Consensus sequence: DHHTHCCCACCCAHHDDH



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: 4
 Number of overlap: 11
 Similarity score: 0.036078

Alignment:

HDACTTCCBCWTDV
 ---CYTSCCTCTGC

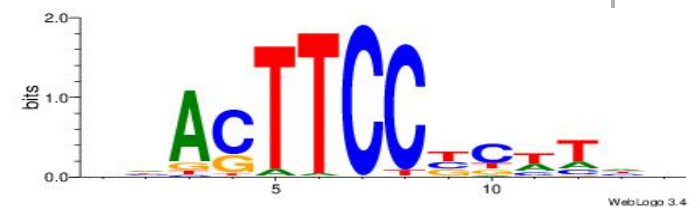
Original motif

Consensus sequence: BDAWGVGGAAGTDH



Reverse complement motif

Consensus sequence: HDACTTCCBCWTDV



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: 4

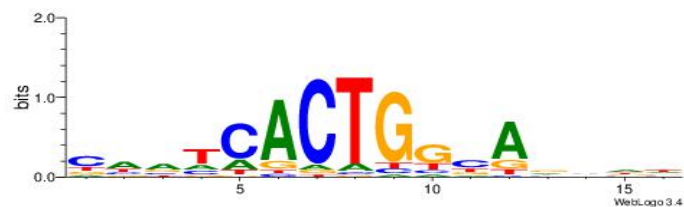
Number of overlap: 11
Similarity score: 0.0369028

Alignment:

DDHHTBCCAGTGABHG
--CYTSCCTCTGC---

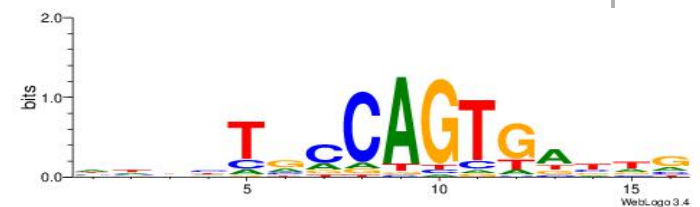
Original motif

Consensus sequence: CHVTCACTGGBADHDD



Reverse complement motif

Consensus sequence: DDHHTBCCAGTGABHG



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: Backward
Position number: 5
Number of overlap: 11
Similarity score: 0.0370849

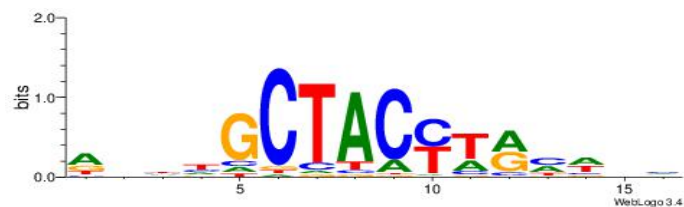
Alignment:

VDWRKAKGTAGCHHDT
-GCAGAGGSAKG----

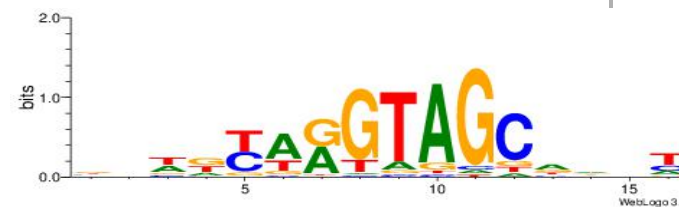
Original motif

Reverse complement motif

Consensus sequence: AHHHGCTACYTRMWHV



Consensus sequence: VDWRKAKGTAGCHHDT



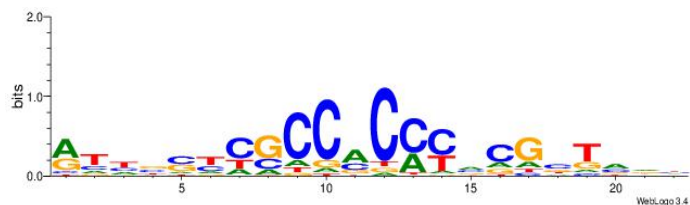
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 8
Number of overlap: 11
Similarity score: 0.0381821

Alignment:

```
RTHBSYCGCCMCMYVCGBTVDH
-----CYTSCCTCTGC-----
```

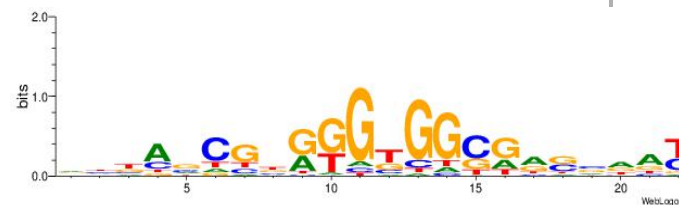
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



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

Original motif

Consensus sequence: ACACACACACAC



Reverse complement motif

Consensus sequence: GTGTGTGTGTGTGT



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:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0391499

Alignment:

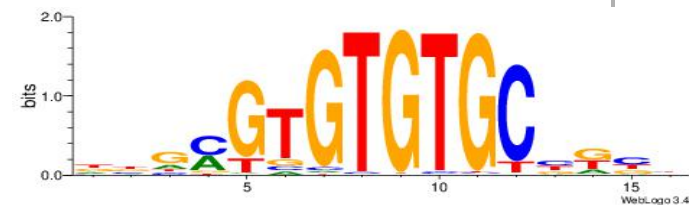
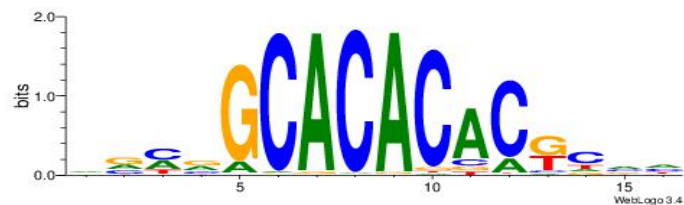
```
HBGYGTGTGTGCVRVD
GTGTGTGTGTGTGT--
```

Original motif

Consensus sequence: DVMVGCACACACKCVH

Reverse complement motif

Consensus sequence: HBGYGTGTGTGCVRVD



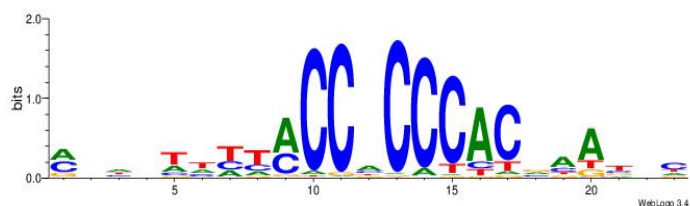
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10
 Number of overlap: 14
 Similarity score: 0.043857

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 -----ACACACACACACAC

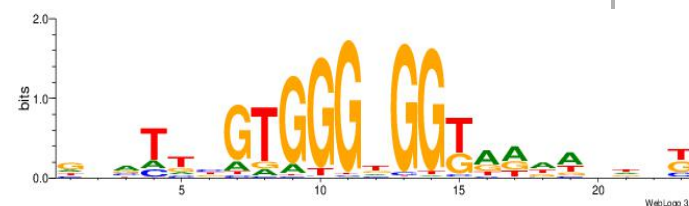
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Motif ID: [UP00026](#)

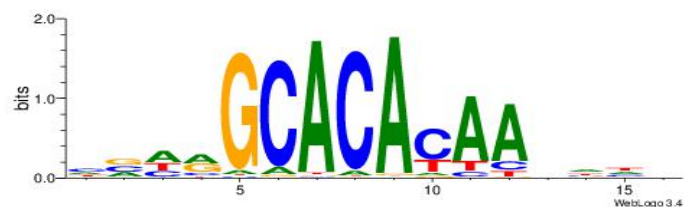
Motif name: Zscan4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0468808

Alignment:

BHHHTTGTGTGCKHVD
 GTGTGTGTGTGTGT--

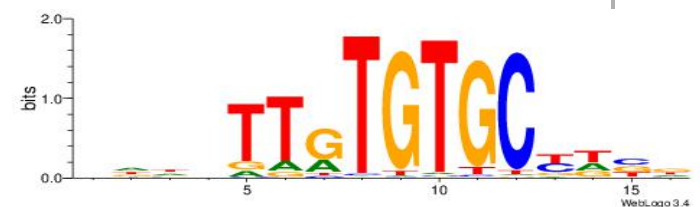
Original motif

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: 7
 Number of overlap: 14

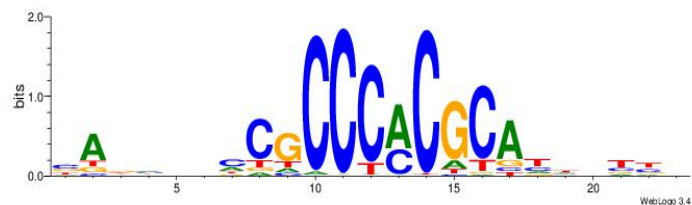
Similarity score: 0.0479337

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
-----ACACACACACACAC---

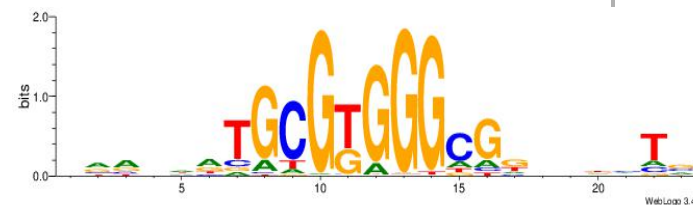
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



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: 9
Number of overlap: 14
Similarity score: 0.0485959

Alignment:

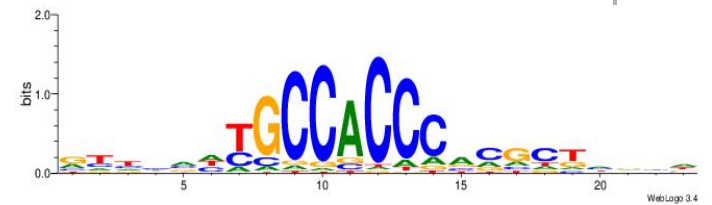
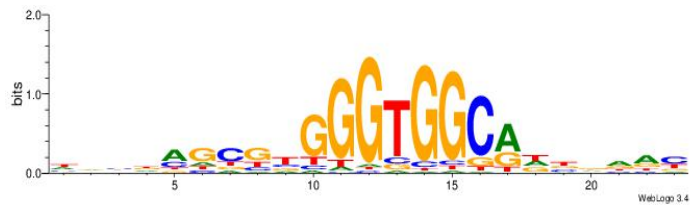
HVBDAGCGBGGGTGGCRDBDDDB
-GTGTGTGTGTGTGT-----

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



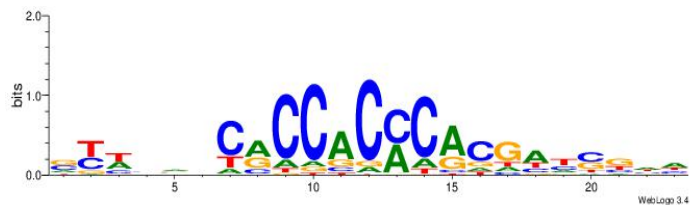
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 14
 Similarity score: 0.0526961

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 --ACACACACACAC-----

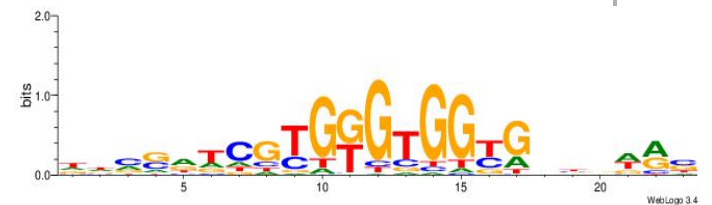
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDVBWVMV



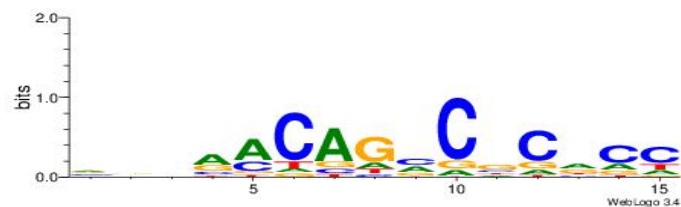
Motif ID: [UP00036](#)

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: 1
 Number of overlap: 14
 Similarity score: 0.0540872

Alignment:
 VVVRACAGVCBCDCC
 ACACACACACACAC-

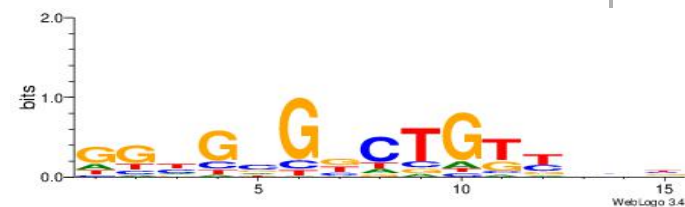
Original motif

Consensus sequence: VVVRACAGVCBCDCC



Reverse complement motif

Consensus sequence: GGDGBGVCTGTKVVB



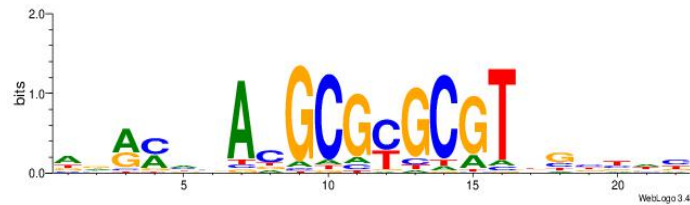
Motif ID: [UP00526](#)
 Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 9
 Number of overlap: 14
 Similarity score: 0.0550075

Alignment:

DDRMHBACGCGYGCGTDGBBDB
ACACACACACACAC-----

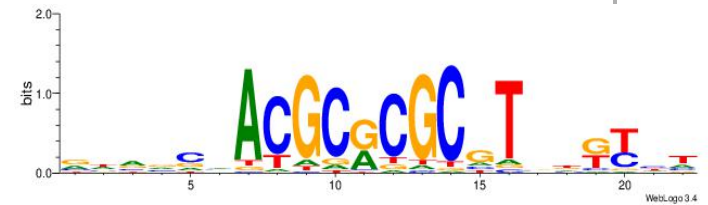
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



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:	0.055413

Alignment:

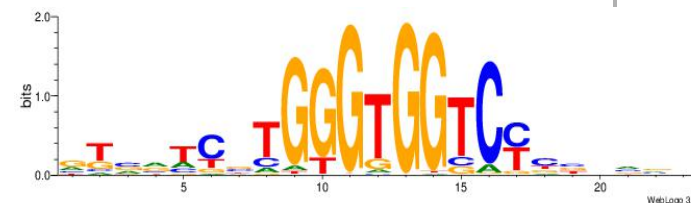
BBBDVVRGACCACCCAVGABBAB
-----ACACACACACACAC

Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB

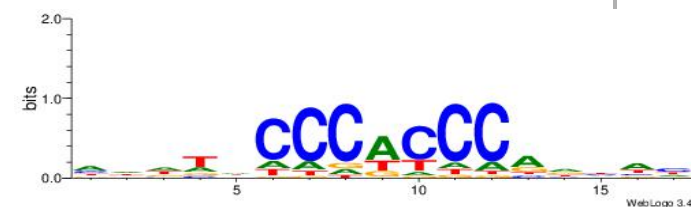
Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



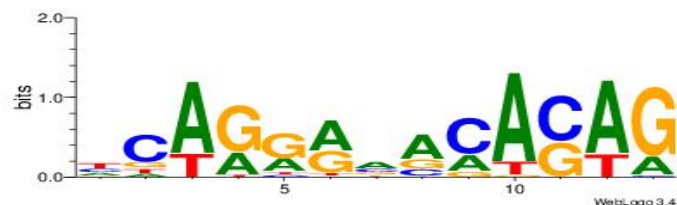
Original motif
Consensus sequence: DDDHTGGGTGGGHAHHD

Reverse complement motif
Consensus sequence: DHHTHCCCACCAHDDH



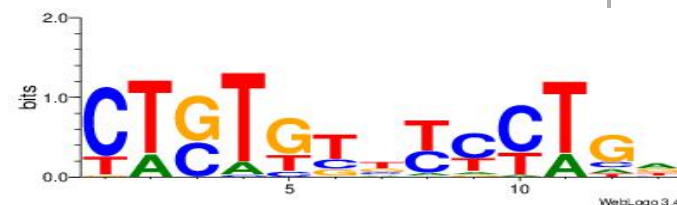
Original motif

Consensus sequence: HCAGRRVACASAG



Reverse complement motif

Consensus sequence: CTSTGTBKMCTGH



Best Matches for Motif ID 3 (Highest to Lowest)

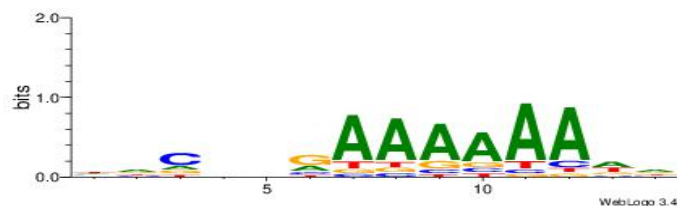
Motif ID:	UP00028
Motif name:	Tcfap2e_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	13
Similarity score:	0.0445121

Alignment:

HDCDBRAAAAAADD
-HCAGRRVACASAG

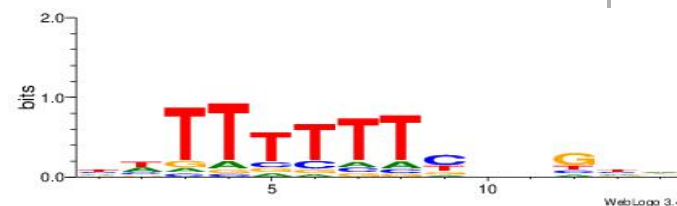
Original motif

Consensus sequence: HDCDBRAAAAAADD



Reverse complement motif

Consensus sequence: DDTTTTTTMBDGDH



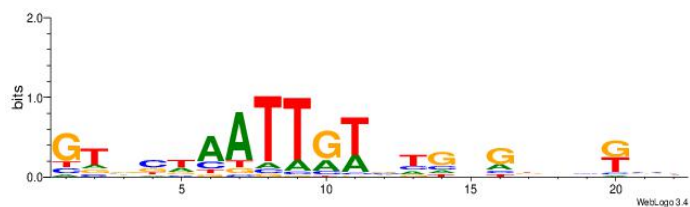
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10
 Number of overlap: 13
 Similarity score: 0.0448793

Alignment:

GTVBDAATTGTVTGHGDDHKVB
 -----CTSTGTBKMCTGH

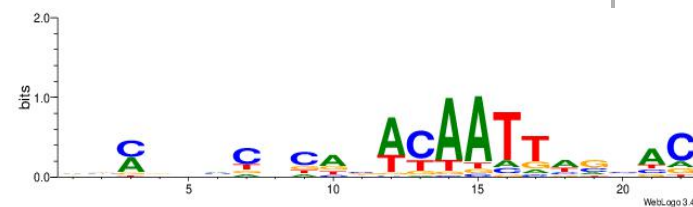
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



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

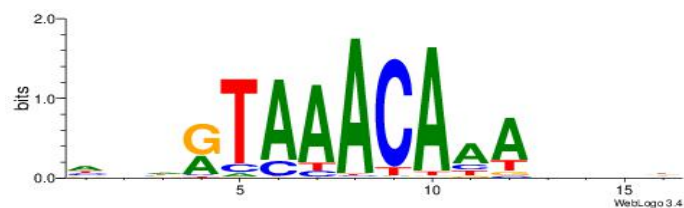
Number of overlap: 13
Similarity score: 0.0454552

Alignment:

DDDHTTTGTTTAMHDH
---CTSTGTBKMCTGH

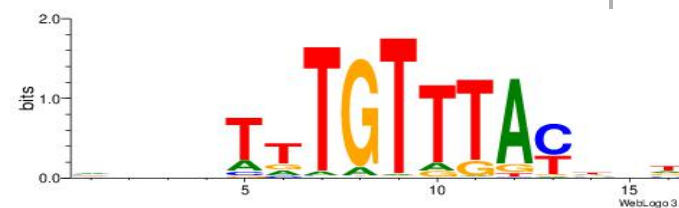
Original motif

Consensus sequence: HDHRTAAACAAHDDD



Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDH



Motif ID: [UP00016](#)
Motif name: Sry_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: 0.0481412

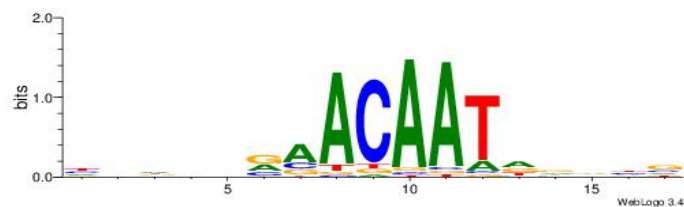
Alignment:

HHHDRAACAATDDVHV
HCAGRRVACASAG----

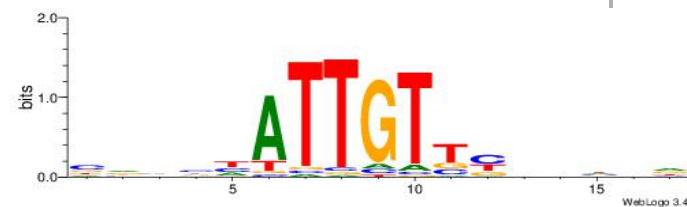
Original motif

Reverse complement motif

Consensus sequence: HHDHDRAACAATDDVHV



Consensus sequence: VHVHDATTGTTMHDDDH



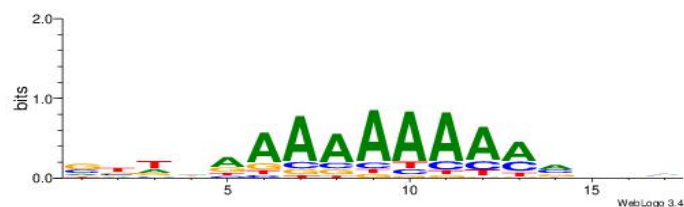
Motif ID: [UP00077](#)
Motif name: Srf_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 13
Similarity score: 0.0545707

Alignment:

VBDDAAAAAAAAAMVBHH
-HCAGRRVACASAG----

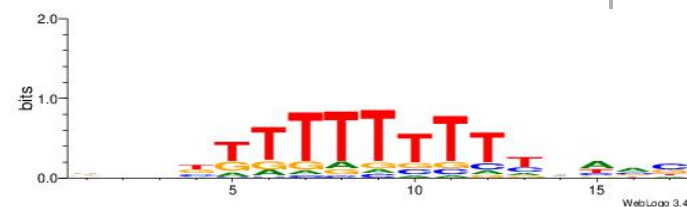
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDV

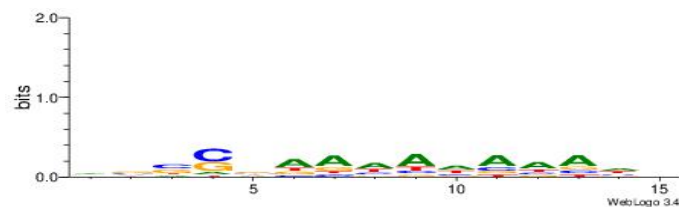


Motif ID: [UP00058](#)
 Motif name: Tcf3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0553073

Alignment:
 DVBSBDAHAHAHAHH
 -HCAGRRVACASAG-

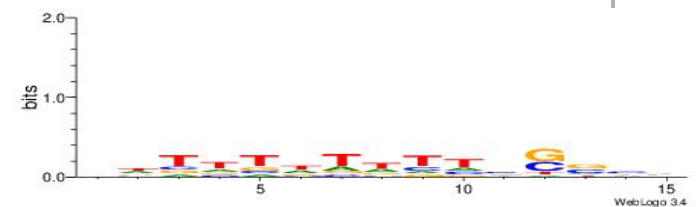
Original motif

Consensus sequence: DVBSBDAHAHAHAHH



Reverse complement motif

Consensus sequence: HHTHTHTHTDBSBVD



Motif ID: [UP00091](#)
 Motif name: Sox5_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: 13

Similarity score: 0.0562585

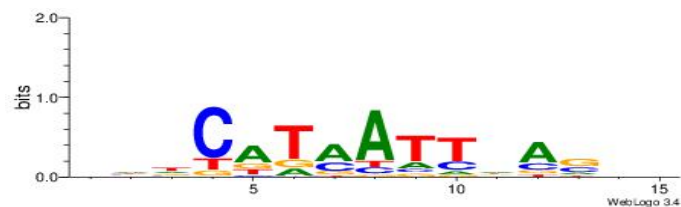
Alignment:

DHDCATMATTDASDD

--HCAGRRVACASAG

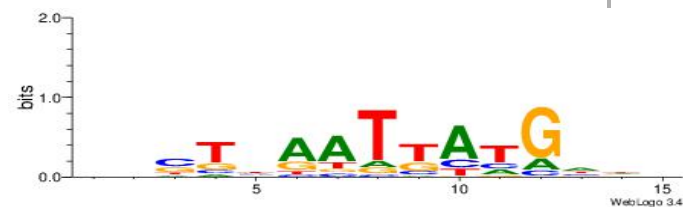
Original motif

Consensus sequence: DHDCATMATTDASDD



Reverse complement motif

Consensus sequence: DHSTDAATYATGDHD



Motif ID: [UP00012](#)

Motif name: Bbx_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: 13

Similarity score: 0.0564984

Alignment:

VHVHBTGTTAACVHWVH

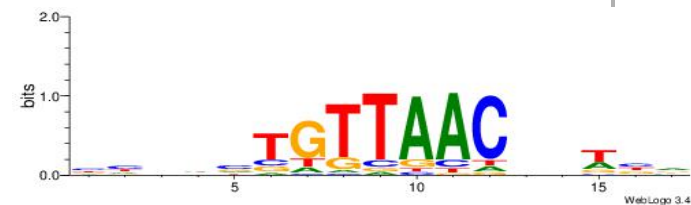
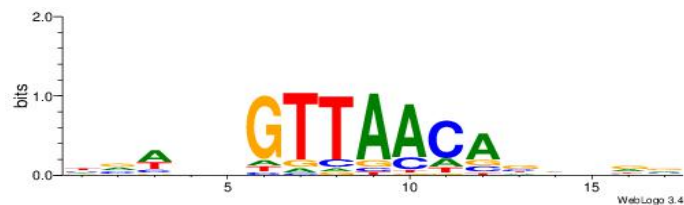
--CTSTGTBKMCTGH--

Original motif

Consensus sequence: HVWHBTGTTAACABHBDV

Reverse complement motif

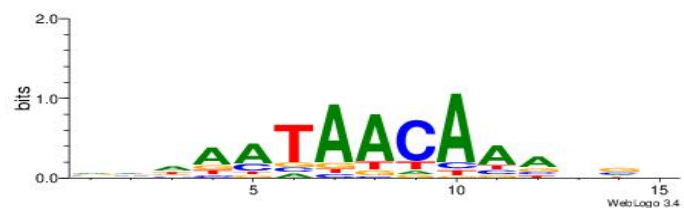
Consensus sequence: VHVHBTGTTAACVHWVH



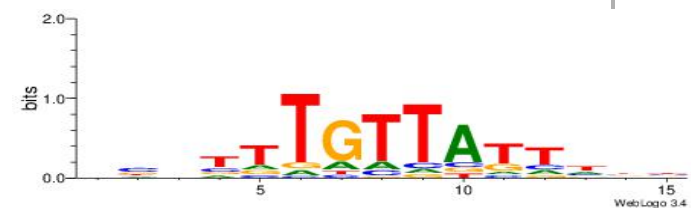
Motif ID: [UP00073](#)
 Motif name: Foxa2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 13
 Similarity score: 0.0571073

Alignment:
 VVDAATAACAAAVVB
 HCAGRRVACASAG--

Original motif
 Consensus sequence: VVDAATAACAAAVVB



Reverse complement motif
 Consensus sequence: BVVTTTGTATTDBB



Motif ID: [UP00054](#)

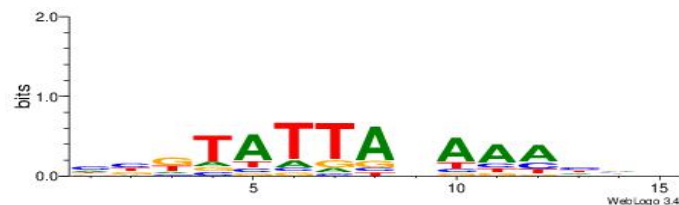
Motif name: Tcf7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 13
 Similarity score: 0.0574997

Alignment:

HHDTTTVTAATAYBD
 CTSTGTBKMCTGH--

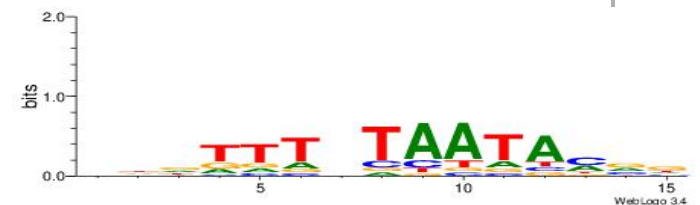
Original motif

Consensus sequence: HBKTATTABAAAHHH



Reverse complement motif

Consensus sequence: HHDTTTVTAATAYBD



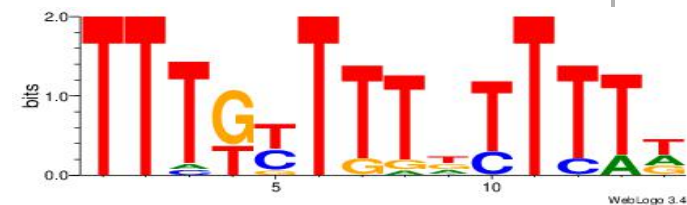
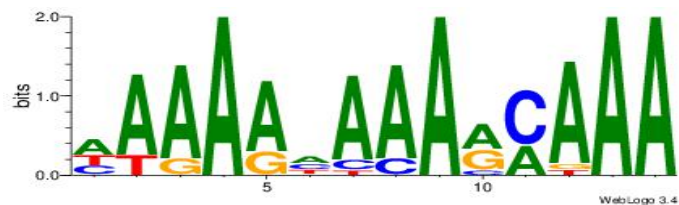
Dataset #: 1 Motif ID: 4 Motif name: Motif 4

Original motif

Consensus sequence: HAAAAHAAARMAAA

Reverse complement motif

Consensus sequence: TTTRKTTTHTTTH



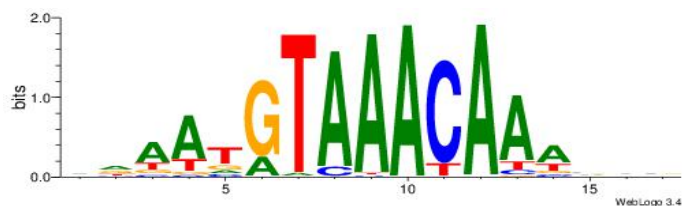
Best Matches for Motif ID 4 (Highest to Lowest)

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: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0212263

Alignment:
 BBVTTTGTTTACATTDD
 ---TTTRKTTTHTTTTH

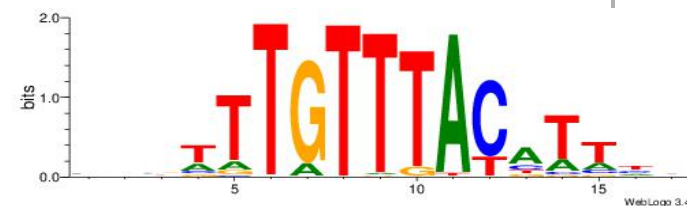
Original motif

Consensus sequence: DDAATGTAAACAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD

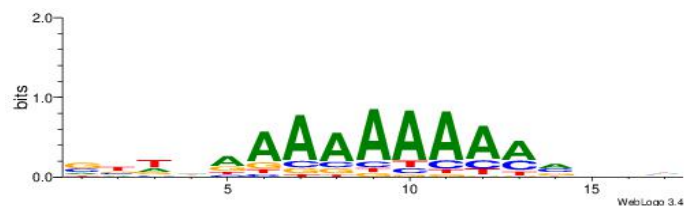


Motif ID: [UP00077](#)
 Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0216448

Alignment:
 VBDDAAAAAAAAAMVBHH
 ---HAAAAHAAARMAAA

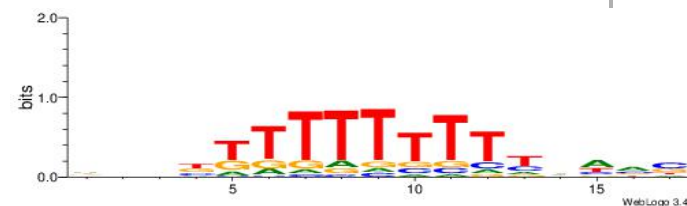
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDVV



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: 14

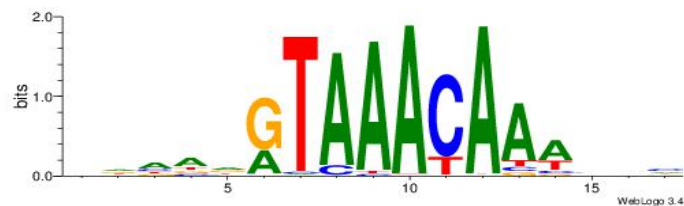
Similarity score: 0.0216826

Alignment:

DVTTTGTTCACDTHDH
---TTTRKTTTHTTTTH

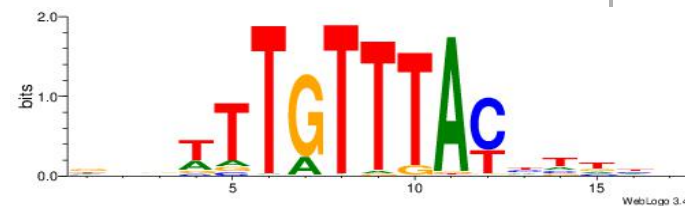
Original motif

Consensus sequence: HDHADGTAAACAAVVH



Reverse complement motif

Consensus sequence: DVTTTGTTCACDTHDH



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: 14
Similarity score: 0.0232085

Alignment:

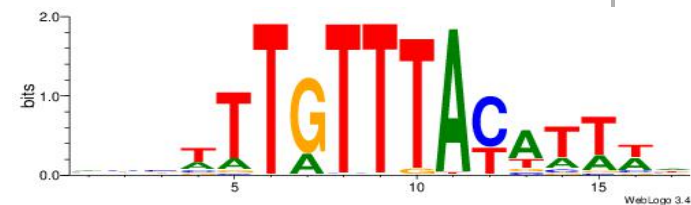
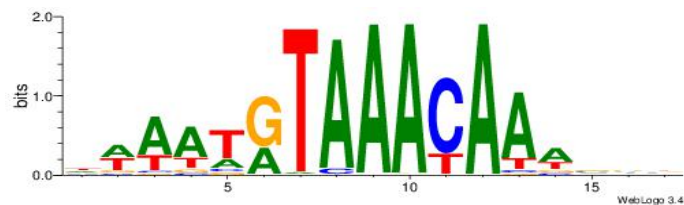
VVWTTGTTTAMATTWD
---TTTRKTTTHTTTTH

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: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.025394

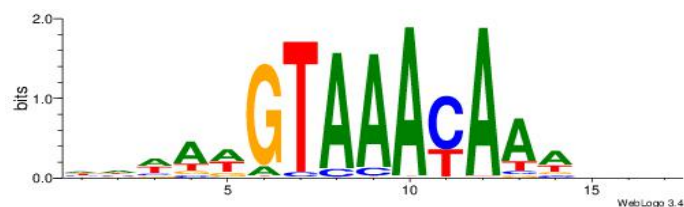
Alignment:

```

BDVTTTKTTTACWTWHH
---TTTRKTTTHTTTTH
  
```

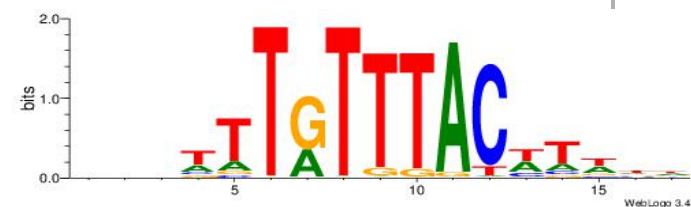
Original motif

Consensus sequence: HHWAWGTAAAYAAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



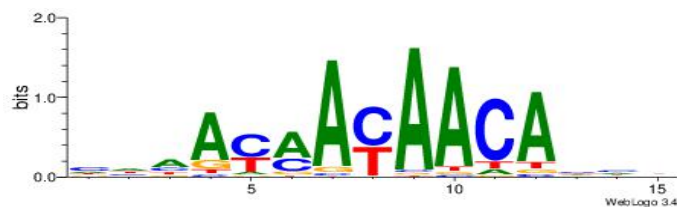
Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0257356

Alignment:

HDDTGTTKTTKTHHD
 -TTTRKTTTHTTTTH

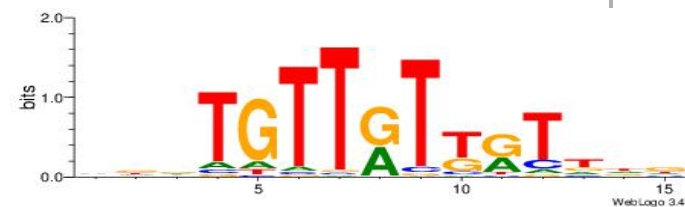
Original motif

Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



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: 1

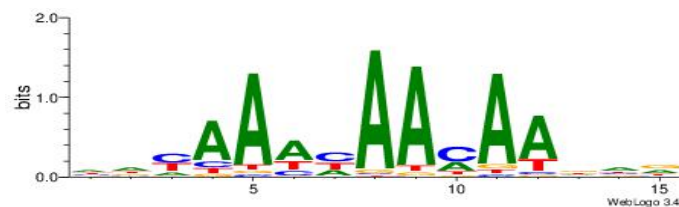
Number of overlap: 14
Similarity score: 0.0280765

Alignment:

HHHTTRTTDTTTKDH
-TTTRKTTTHTTTTH

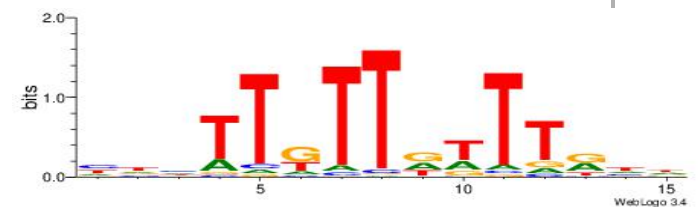
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTTRTTDTTTKDH



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: 1
Number of overlap: 14
Similarity score: 0.0284931

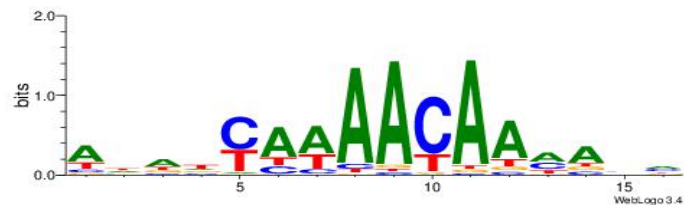
Alignment:

HDYTTTGTTWTKDDDT
--TTTRKTTTHTTTTH

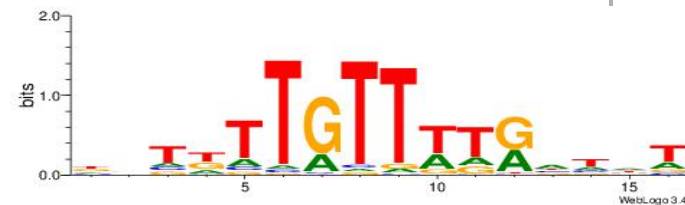
Original motif

Reverse complement motif

Consensus sequence: ADDDYAWAACAAMAHH



Consensus sequence: HDTYTTGTTWTKDDDT



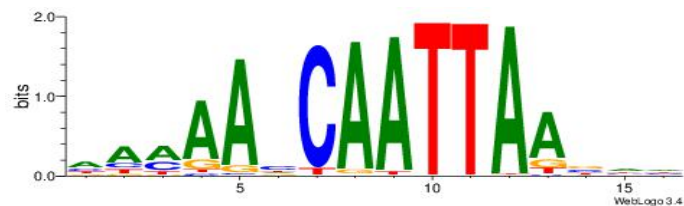
Motif ID: [UP00145](#)
Motif name: Barhl2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 14
Similarity score: 0.031537

Alignment:

```
HHBTTAATTGDTTYTH  
--TTTRKTTTHTTTTH
```

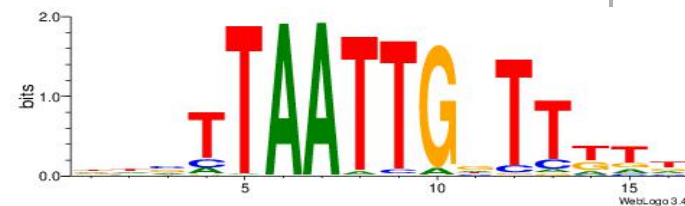
Original motif

Consensus sequence: HAMAAHCAATTAABHH



Reverse complement motif

Consensus sequence: HHBTTAATTGDTTYTH

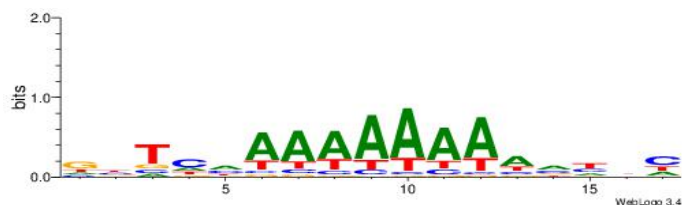


Motif ID:	UP000090
Motif name:	Elf3_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	14
Similarity score:	0.0324424

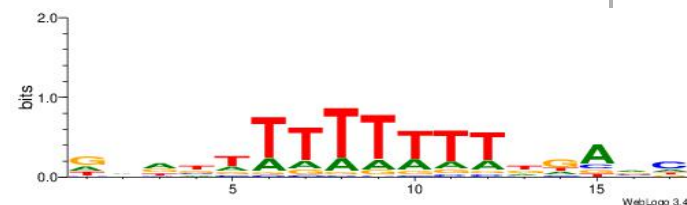
Alignment:

```
DBTHHAAAAAAAAAVVDH
---HAAAAHAAARMAAA
```

Original motif
Consensus sequence: DBTHHAAAAAAAAAVHDH

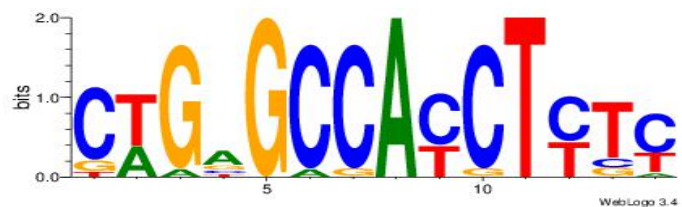


Reverse complement motif
Consensus sequence: DDHBTNTTTTTTHDAVH

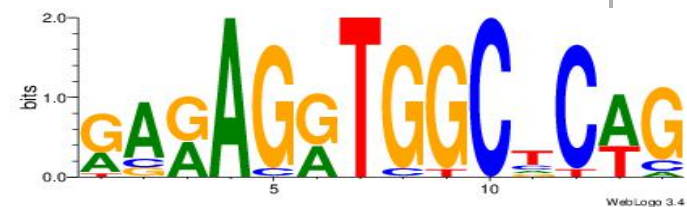


Dataset #: 1 Motif ID: 5 Motif name: Motif 5

Original motif
Consensus sequence: CWGAGCCAYCTYTC



Reverse complement motif
Consensus sequence: GAKAGKTGGCTCWG



Best Matches for Motif ID 5 (Highest to Lowest)

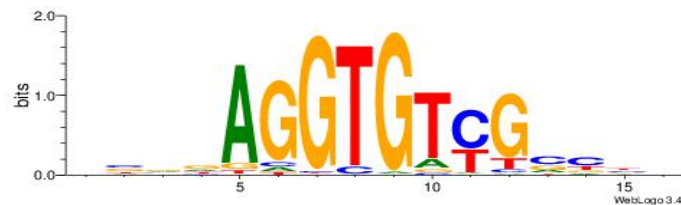
Motif ID: [UP00068](#)
Motif name: Eomes_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0120339

Alignment:

VBVDAGGTGTYGVBBV
-GAKAGKTGGCTCWG-

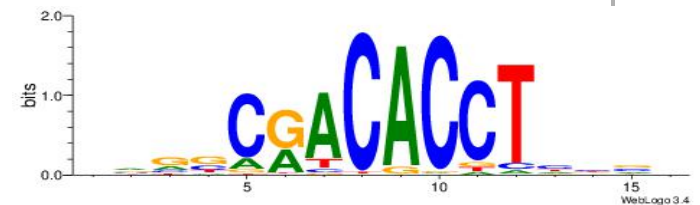
Original motif

Consensus sequence: VBVDAGGTGTYGVBBV



Reverse complement motif

Consensus sequence: VVBVCKACACCTHVBV



Motif ID: [UP00035](#)
Motif name: Hic1_primary
Species: Mus musculus
Matching format of first motif: Original Motif

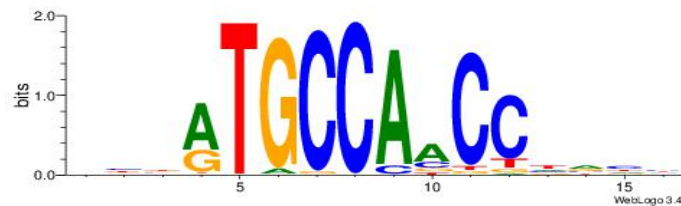
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	14
Similarity score:	0.0137859

Alignment:

DBBATGCCAACCHVHH
-CWGAGCCAYCTYTC-

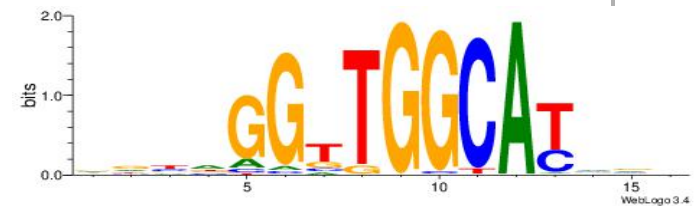
Original motif

Consensus sequence: DBBATGCCAACCHVHH



Reverse complement motif

Consensus sequence: DDBHGGTTGGCATVBD



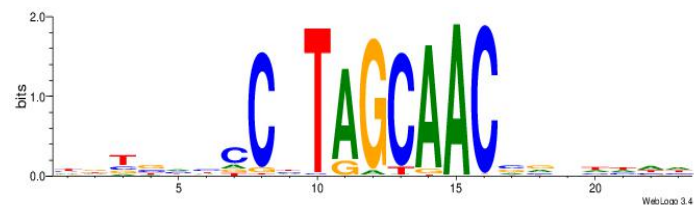
Motif ID:	UP00098
Motif name:	Rfx3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	14
Similarity score:	0.017234

Alignment:

HHHHDVVGTTGCTAHGGDHBAAH
 --GAKAGKTGGCTCWG-----

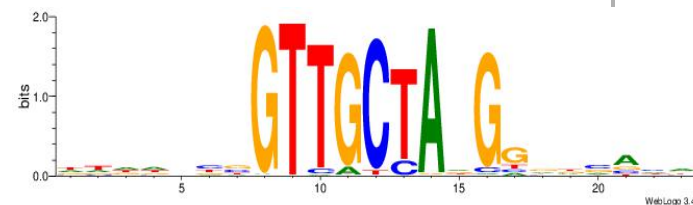
Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH



Reverse complement motif

Consensus sequence: HHHHDVVGTTGCTAHGGDHBAAH



Motif ID:	UP00264
Motif name:	Hoxa1
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:	0.0174544

Alignment:

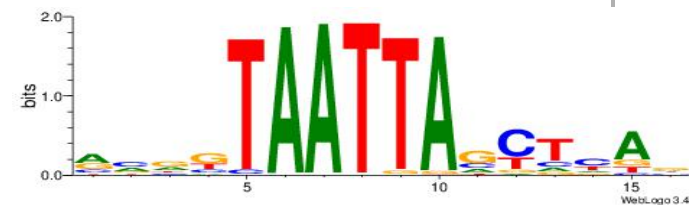
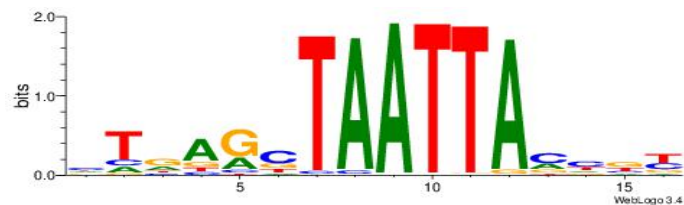
MBDRTAATTAGCTHAD
 --GAKAGKTGGCTCWG

Original motif

Consensus sequence: HTDAGCTAATTAMHBY

Reverse complement motif

Consensus sequence: MBDRTAATTAGCTHAD



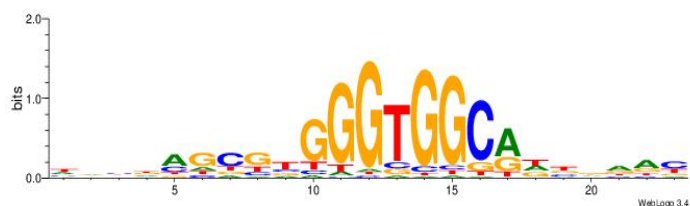
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 14
 Similarity score: 0.0187141

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 ---CWGAGCCAYCTYTC-----

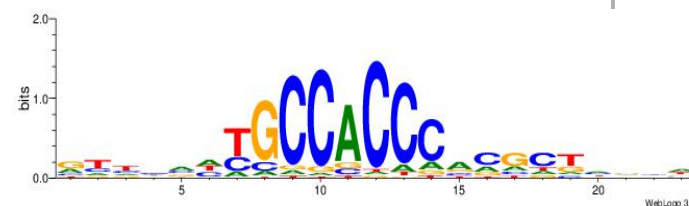
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



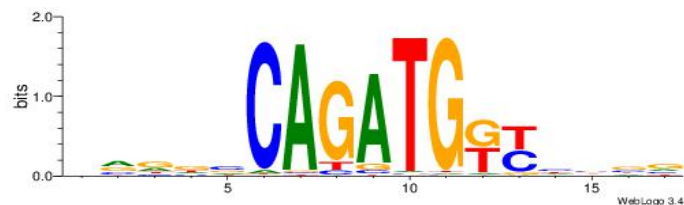
Motif ID: [UP00046](#)

Motif name: Tcfe2a_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: 0.0198398

Alignment:
 HVDDVCAGATGKYHBBV
 ---GAKAGKTGGCTCWG

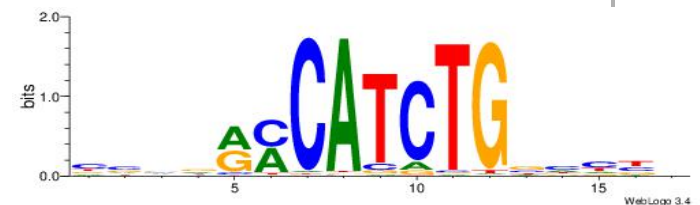
Original motif

Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif

Consensus sequence: VBBDMYCATCTGVHHBH



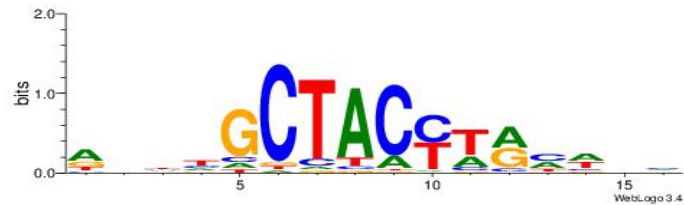
Motif ID: [UP00052](#)
 Motif name: Osr2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0203442

Alignment:

VDWRKAKGTAGCHHDT
--GAKAGKTGGCTCWG

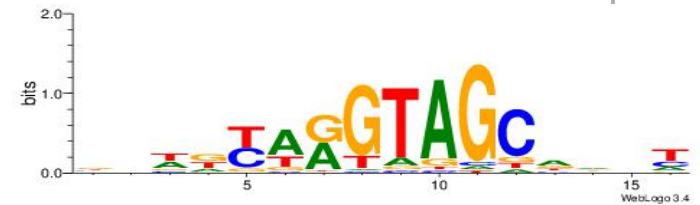
Original motif

Consensus sequence: AHHHGCTACYTRMWHV



Reverse complement motif

Consensus sequence: VDWRKAKGTAGCHHDT



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:	7
Number of overlap:	14
Similarity score:	0.0208381

Alignment:

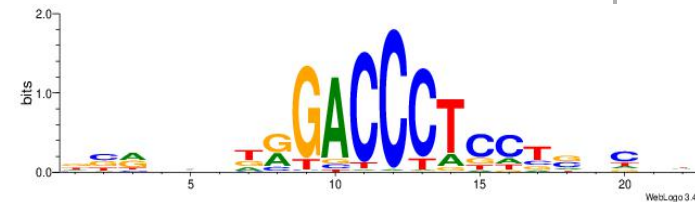
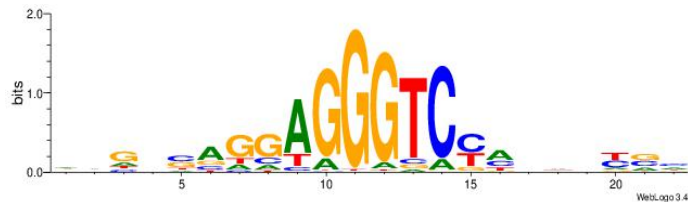
DVMHHDHKGACCCTCCTSVCBH
-----CWGAGCCAYCTYTC--

Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH

Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH

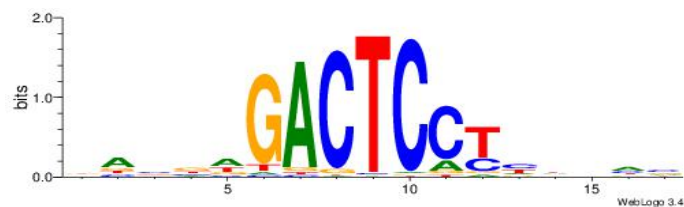


Motif ID: [UP00095](#)
 Motif name: Zfp691_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0209451

Alignment:
 VHBDDAGGAGTCWBBTD
 --GAKAGKTGGCTCWG--

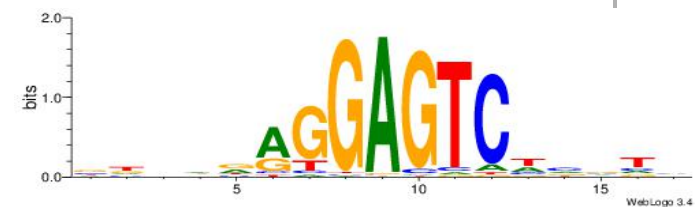
Original motif

Consensus sequence: DABBWGACTCCTHDVHV



Reverse complement motif

Consensus sequence: VHBDDAGGAGTCWBBTD



Motif ID: [UP00228](#)

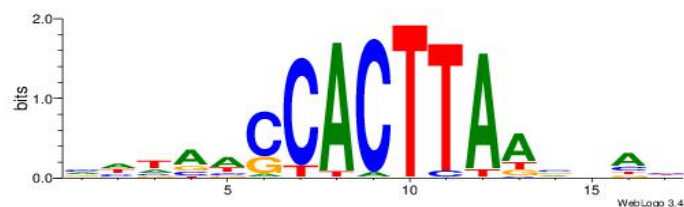
Motif name: Bapx1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0212049

Alignment:

DTBVTTAAGTGGTTHHV
 ---GAKAGKTGGCTCWG

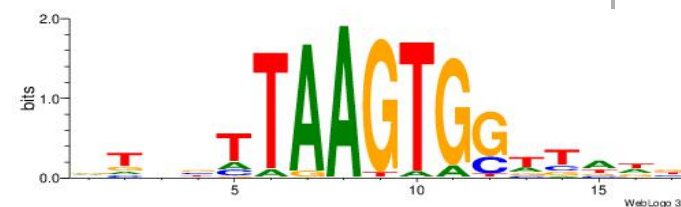
Original motif

Consensus sequence: VHHAACCACTTAHVVAH



Reverse complement motif

Consensus sequence: DTBVTTAAGTGGTTHHV



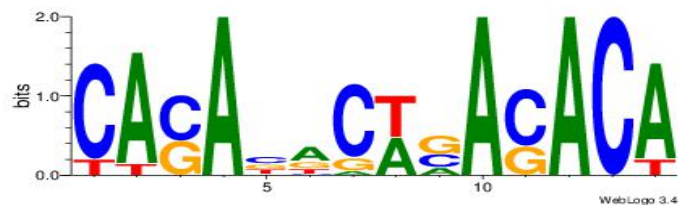
Dataset #: 1 Motif ID: 6 Motif name: Motif 6

Original motif

Consensus sequence: CASABACWSACACA

Reverse complement motif

Consensus sequence: TGTGTSWGTBTSTG



Best Matches for Motif ID 6 (Highest to Lowest)

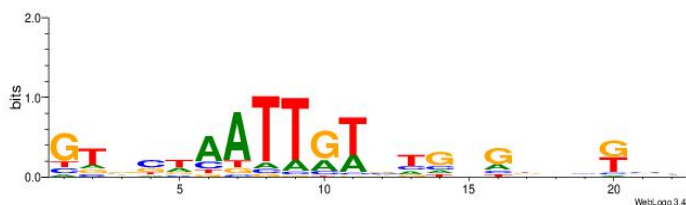
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0357045

Alignment:

VVYDDDCHCAVACAATTDBVAC
 CASABACWSACACA-----

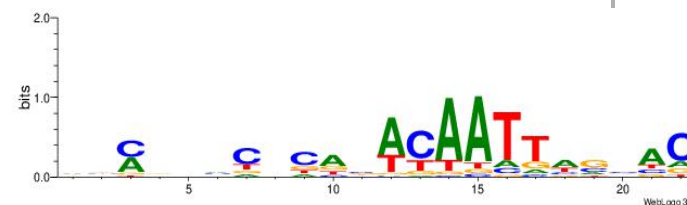
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



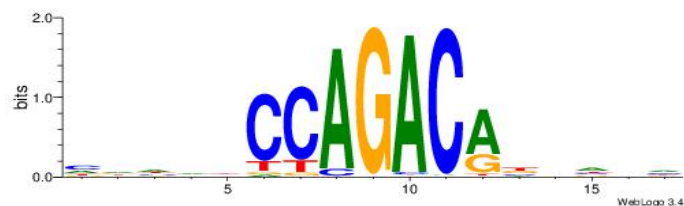
Motif ID: [UP00000](#)
Motif name: Smad3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0482294

Alignment:

HVHBVTGTCTGGDDHDD
---TGTGTSWGTBTSTG

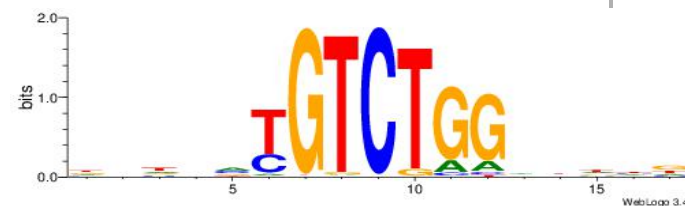
Original motif

Consensus sequence: HDHDDCCAGACABBHVH



Reverse complement motif

Consensus sequence: HVHBVTGTCTGGDDHDD



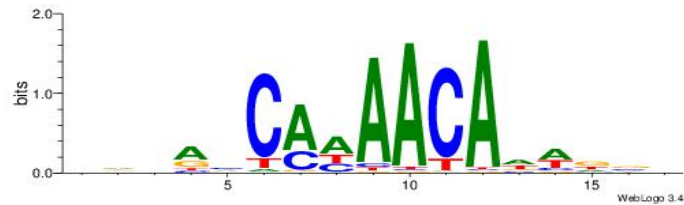
Motif ID: [UP00039](#)
Motif name: Foxj3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0493845

Alignment:

HDBAHCAWAACADWDVD
CASABACWSACACA---

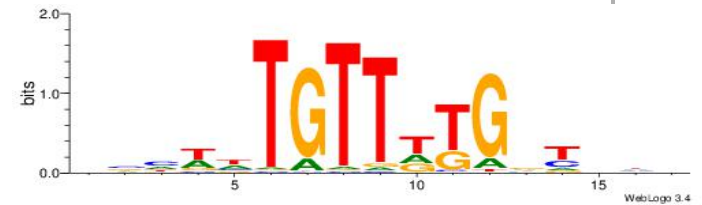
Original motif

Consensus sequence: HDBAHCAWAACADWDVD



Reverse complement motif

Consensus sequence: DVHWDTGTTWTGDTBDH



Motif ID:	UP00025
Motif name:	Foxk1_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:	0.0507431

Alignment:

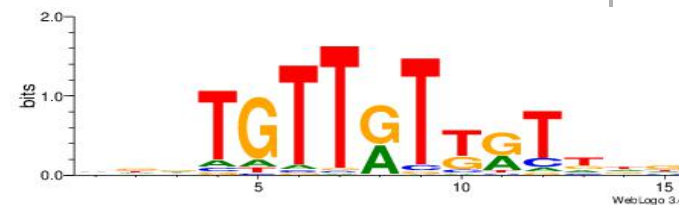
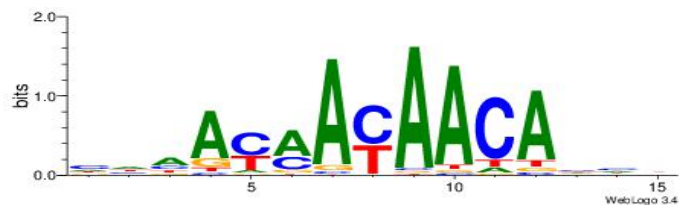
HHHAYAAYAACAHHH
CASABACWSACACA-

Original motif

Consensus sequence: HHHAYAAYAACAHHH

Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



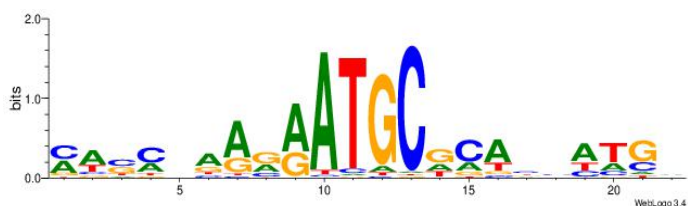
Motif ID: [UP00528](#)
 Motif name: Foxm1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 9
 Number of overlap: 14
 Similarity score: 0.0524108

Alignment:

MWSMBAARRATGCD CABHATGD
 CASABACWSACACA-----

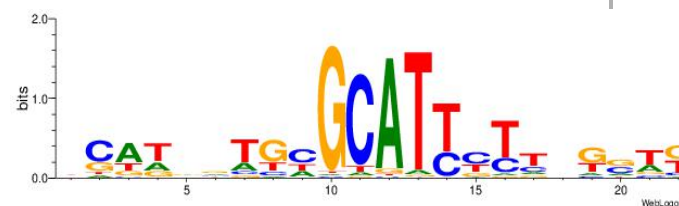
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Motif ID: [UP00528](#)

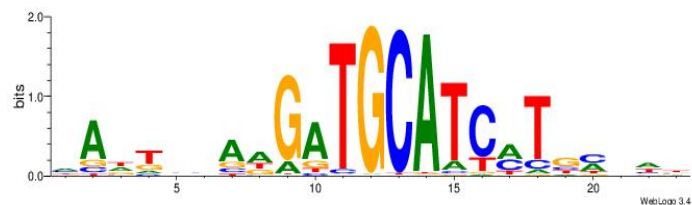
Motif name: Foxm1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0538393

Alignment:

HADTBVADGATGCATCMTGMVHB
 CASABACWSACACA-----

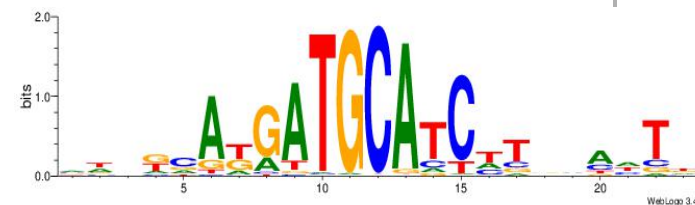
Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB



Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH



Motif ID: [UP00031](#)
 Motif name: Zbtb3_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

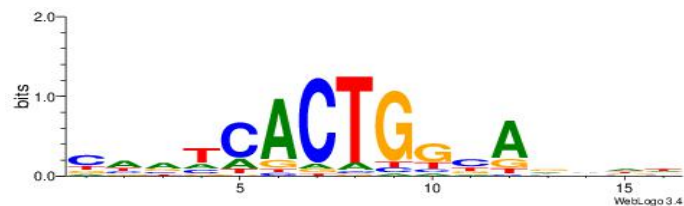
Similarity score: 0.0538699

Alignment:

DDHHTBCCAGTGABHG
--TGTGTSWGTBTSTG

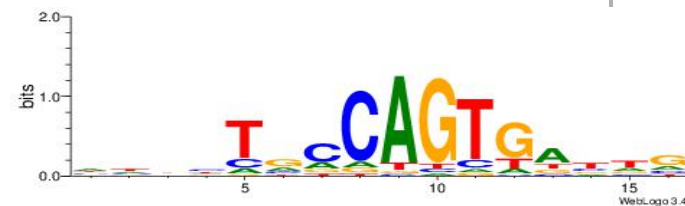
Original motif

Consensus sequence: CHVTCACTGGBADHDD



Reverse complement motif

Consensus sequence: DDHHTBCCAGTGABHG



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: 0.0541456

Alignment:

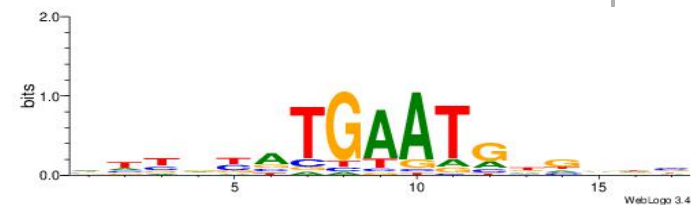
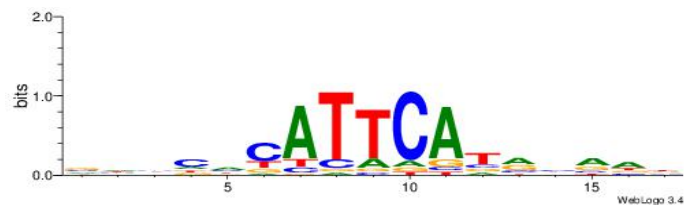
VHBHHCATTCATRHVDD
---CASABACWSACACA

Original motif

Consensus sequence: VHBHHCATTCATRHVDD

Reverse complement motif

Consensus sequence: DDBDKATGAATGHDBHV

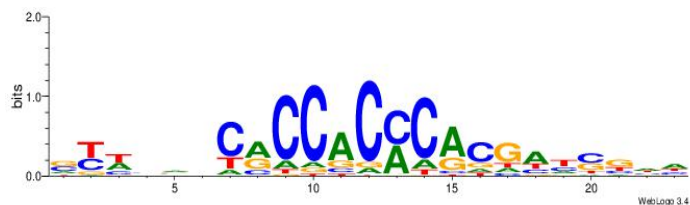


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0541653

Alignment:
 VYWVVHCRCCACMCACGAHSBHH
 -----CASABACWSACACA

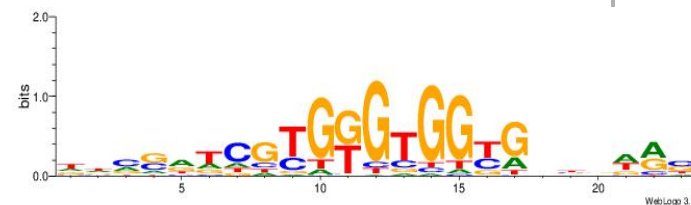
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDVBWMM



Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary

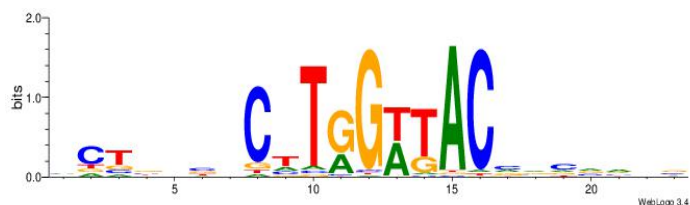
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0545034

Alignment:

BDBBVBVGTAWCCAAGVBHBAGB
 -----TGTGTSWGTBTSTG--

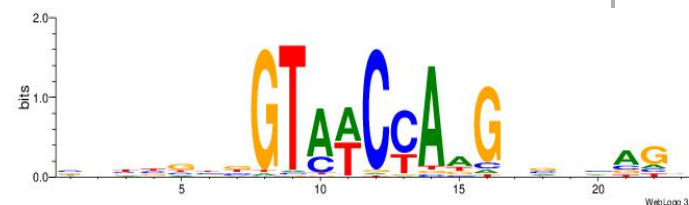
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



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

Original motif

Consensus sequence: AAAATKCTATT



Reverse complement motif

Consensus sequence: AATAGYATTTT



Best Matches for Motif ID 7 (Highest to Lowest)

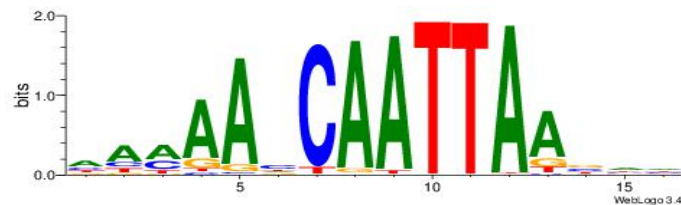
Motif ID: [UP00145](#)
Motif name: Barhl2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0314776

Alignment:

```
HHBTTAATTGDDTTYTH  
-----AATAGYATTTT
```

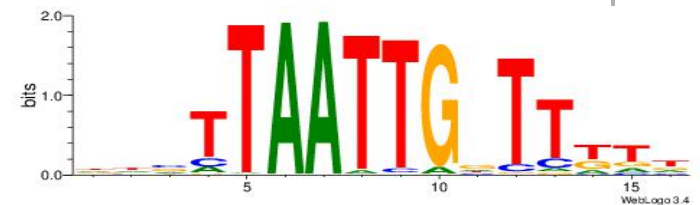
Original motif

Consensus sequence: HMAAHCAATTAABHH



Reverse complement motif

Consensus sequence: HHBTTAATTGDDTTYTH



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:	11
Similarity score:	0.0388915

Alignment:

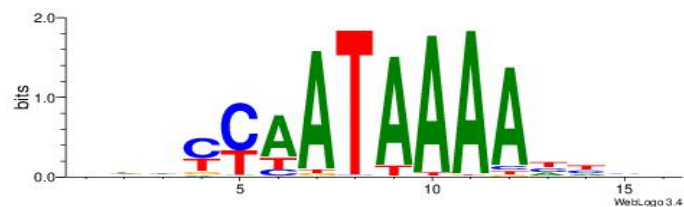
```

HDHHTTTTATTKKHDD
AAAATKCTATT-----

```

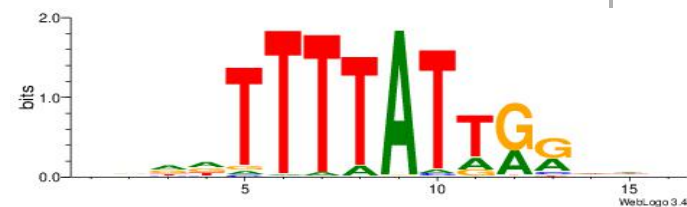
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD



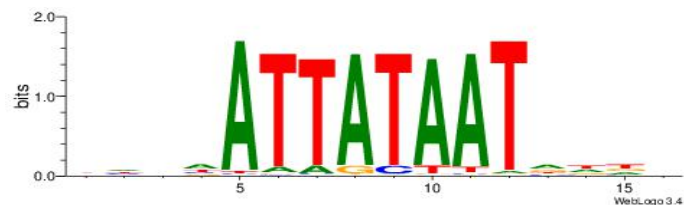
Motif ID:	UP00016
Motif name:	Sry_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	11
Similarity score:	0.039378

Alignment:

VDDDATTATAATHDHV
-AAAATKCTATT-----

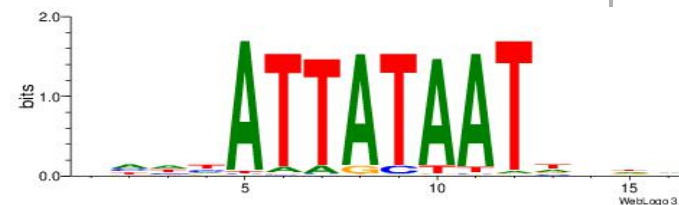
Original motif

Consensus sequence: BHDHATTATAATDDDDV



Reverse complement motif

Consensus sequence: VDDDATTATAATHDHV



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:	11
Similarity score:	0.039567

Alignment:

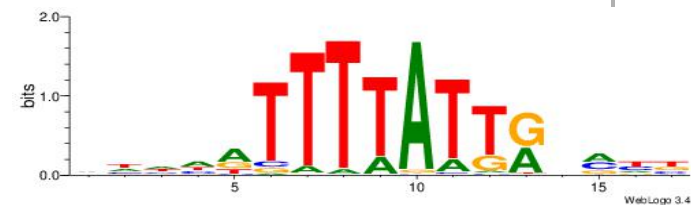
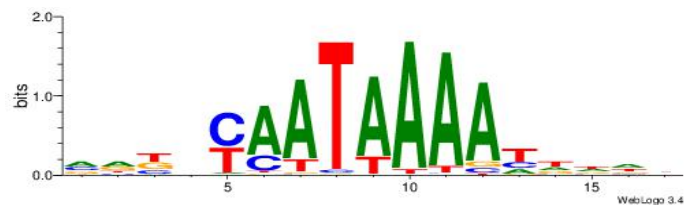
HDDDATTTTATTKVRDB
-AAAATKCTATT-----

Original motif

Consensus sequence: VDKVYAATAAAATDDDH

Reverse complement motif

Consensus sequence: HDDDATTTTATTKVRDB

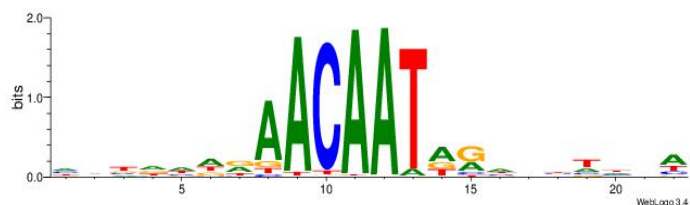


Motif ID: [UP00034](#)
 Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 11
 Number of overlap: 11
 Similarity score: 0.0403247

Alignment:
 WBHHHHHMDATTGTTHDHDVHH
 -AAAATKCTATT-----

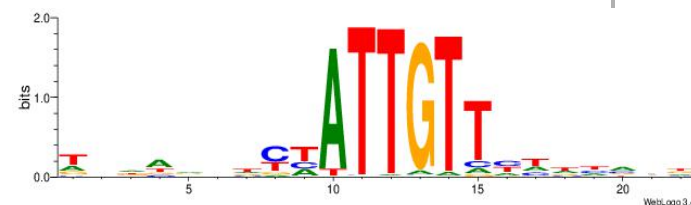
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



Motif ID: [UP00038](#)

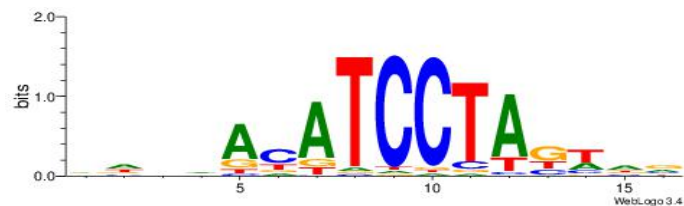
Motif name: Spdef_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0405096

Alignment:

DDBHACATCCTAKWDV
 ---AAAATKCTATT--

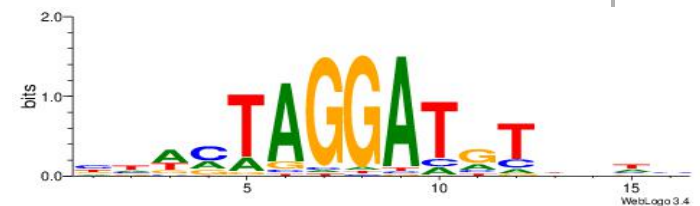
Original motif

Consensus sequence: DDBHACATCCTAKWDV



Reverse complement motif

Consensus sequence: VDWYTAGGATGTHVDH



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: 2
 Number of overlap: 11

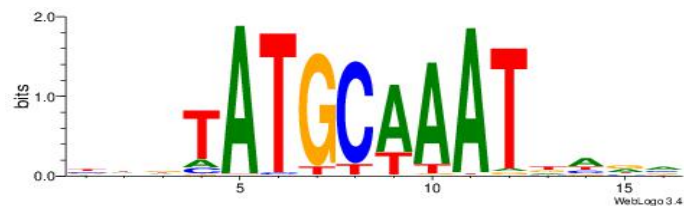
Similarity score: 0.0406764

Alignment:

BHHDATTTGCATAHHV
----AATAGYATTTT-

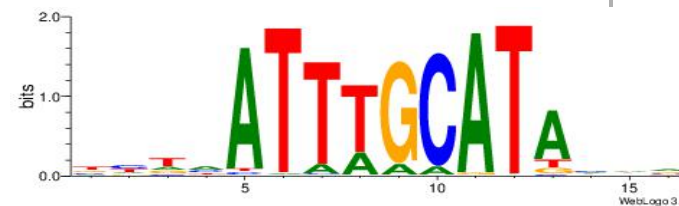
Original motif

Consensus sequence: BHDTATGCAAATDHDV



Reverse complement motif

Consensus sequence: BHHDATTTGCATAHHV



Motif ID: [UP00179](#)
Motif name: Pou2f3
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 11
Similarity score: 0.0407045

Alignment:

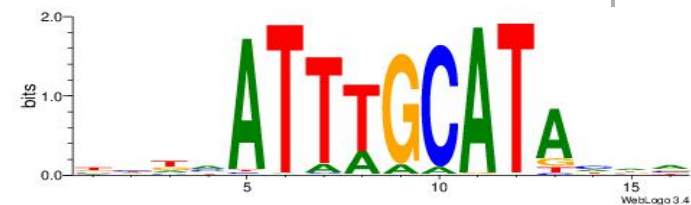
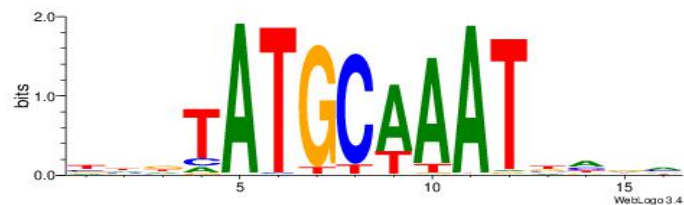
BHHVATTTGCATAHHV
----AATAGYATTTT-

Original motif

Consensus sequence: BHDTATGCAAATBHDV

Reverse complement motif

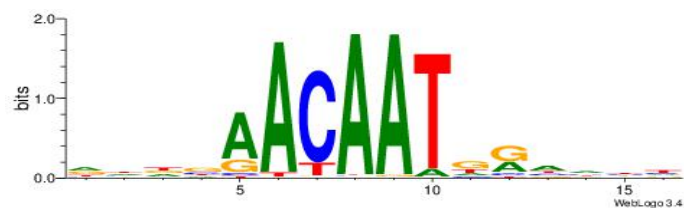
Consensus sequence: BHHDATTTGCATAHHV



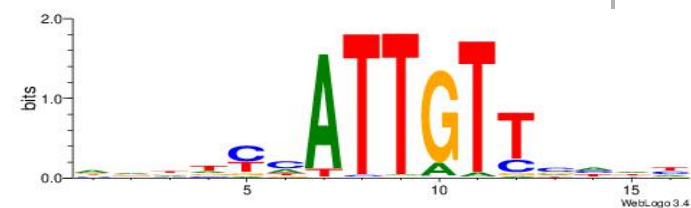
Motif ID: [UP00023](#)
 Motif name: Sox30_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0413872

Alignment:
 HHHMHATTGTTBDHD
 AATAGYATTTT-----

Original motif
 Consensus sequence: DHDBAACAATDRHHHH



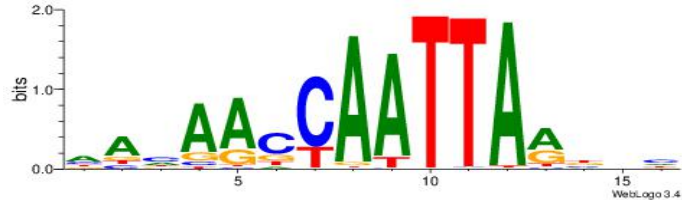
Reverse complement motif
 Consensus sequence: HHHMHATTGTTBDHD



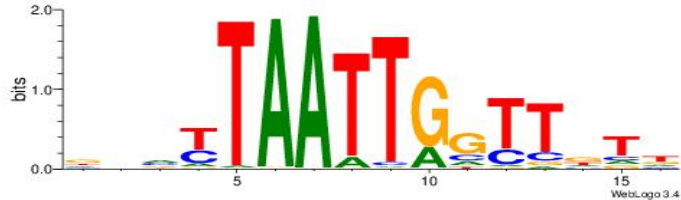
Motif ID: [UP00166](#)
Motif name: Barhl1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 11
Similarity score: 0.0427435

Alignment:
HAHAACCAATTARBDH
AAAATKCTATT-----

Original motif
Consensus sequence: HAHAACCAATTARBDH



Reverse complement motif
Consensus sequence: DDVKTAATTGGTTDTH



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

Original motif
Consensus sequence: TGAAAATSCCTT

Reverse complement motif
Consensus sequence: AAGSATTTTCA



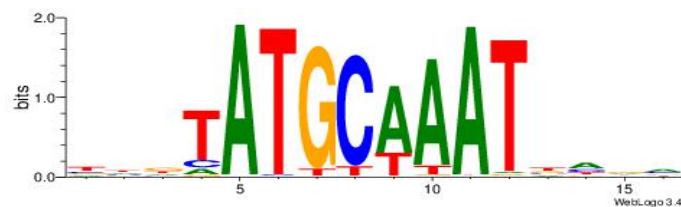
Best Matches for Motif ID 8 (Highest to Lowest)

Motif ID: [UP00179](#)
 Motif name: Pou2f3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0170413

Alignment:
 BHHVATTTGCATAHHV
 AAGSATTTTCA-----

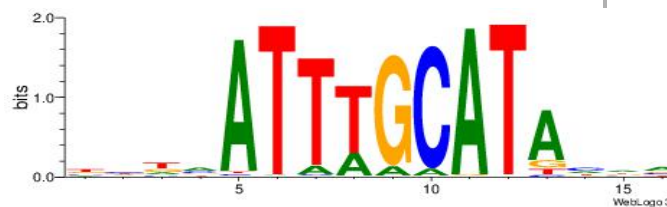
Original motif

Consensus sequence: BHDTATGCAAATBHDV



Reverse complement motif

Consensus sequence: BHHVATTTGCATAHHV



Motif ID: [UP00191](#)

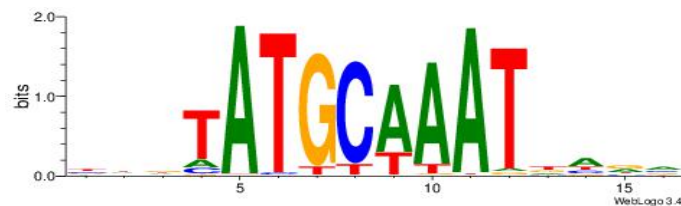
Motif name: Pou2f2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0186797

Alignment:

BHHDATTTGCATAHHV
 AAGSATTTTCA-----

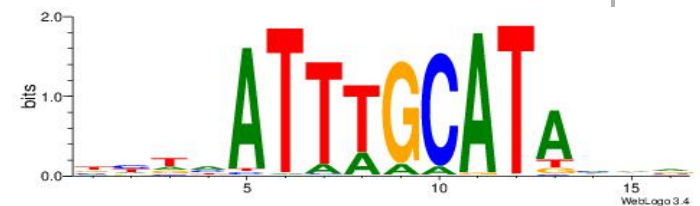
Original motif

Consensus sequence: BHDTATGCAAATDHDV



Reverse complement motif

Consensus sequence: BHHDATTTGCATAHHV



Motif ID: [UP00044](#)
 Motif name: Mafk_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: 0.025968

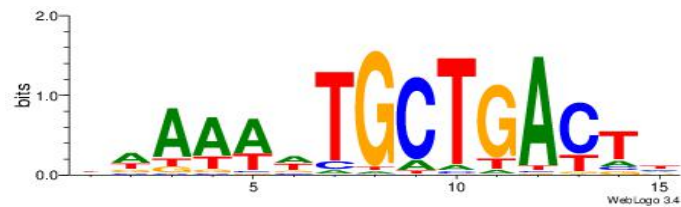
Alignment:

DWAAAWTGCTGACTH

TGAAAATSCTT----

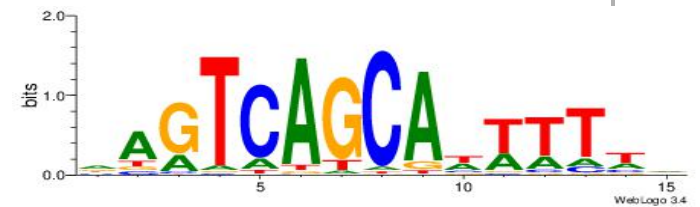
Original motif

Consensus sequence: DWAAAWTGCTGACTH



Reverse complement motif

Consensus sequence: HAGTCAGCAWTTTWD



Motif ID: [UP00389](#)
Motif name: Nkx3-1
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: 0.0281427

Alignment:

BDTTTAAGTACTTDDDD

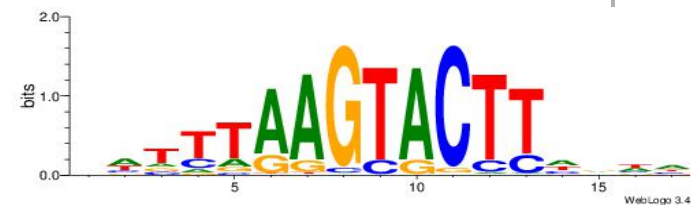
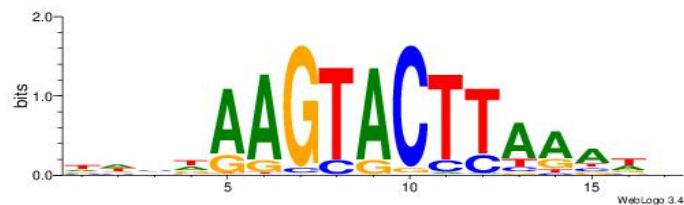
--TGAAAATSCTT----

Original motif

Consensus sequence: DDHDAAGTACTTAAADB

Reverse complement motif

Consensus sequence: BDTTTAAGTACTTDDDD

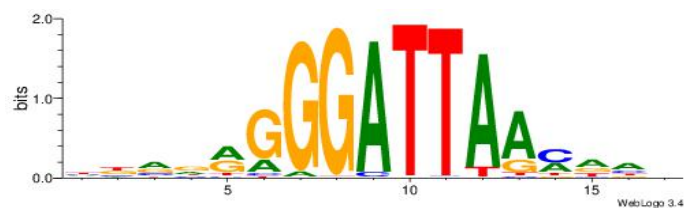


Motif ID: [UP00153](#)
 Motif name: Pitx1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.02834

Alignment:
 HBVDRGGGATTAAMDHH
 ----AAGSATTTTCA--

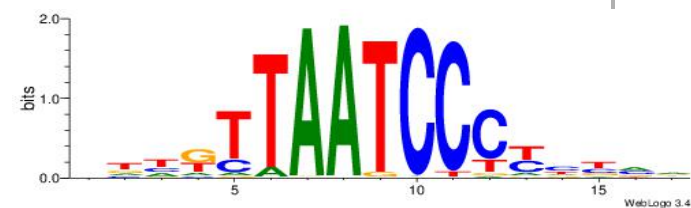
Original motif

Consensus sequence: HBVDRGGGATTAAMDHH



Reverse complement motif

Consensus sequence: HHDRTTAATCCCKHBVH



Motif ID: [UP00219](#)
 Motif name: Cutl1_3494.2
 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: 0.0294239

Alignment:

DADTGATMATCABTD
 ---TGAAAATSCCT-

Original motif

Consensus sequence: DAVTGATRATCAHTD



Reverse complement motif

Consensus sequence: DADTGATMATCABTD



Motif ID: [UP00119](#)
 Motif name: Nkx2-9
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2

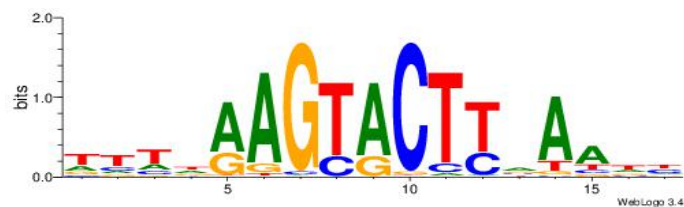
Number of overlap: 11
Similarity score: 0.0300831

Alignment:

HDTTBAAGTACTTDAAA
-----AAGSATTTTCA-

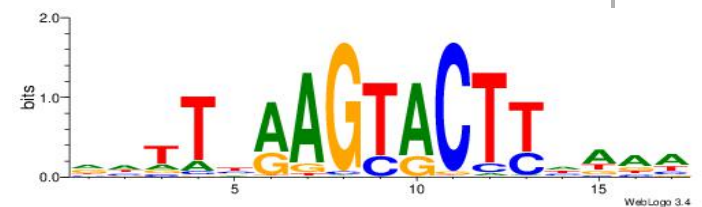
Original motif

Consensus sequence: TTTDAAGTACTTVAADH



Reverse complement motif

Consensus sequence: HDTTBAAGTACTTDAAA



Motif ID: [UP00190](#)
Motif name: Nkx2-3
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: 0.0302066

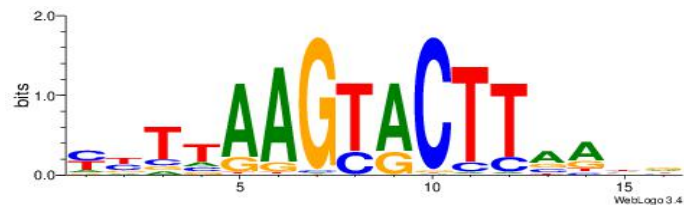
Alignment:

HHTTAAGTACTTAAMK
-----AAGSATTTTCA-

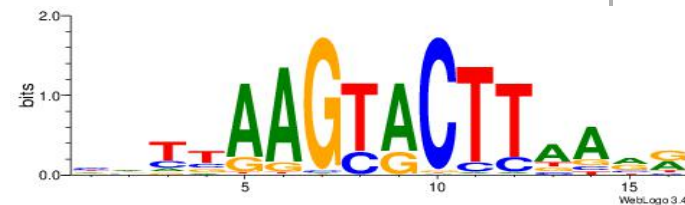
Original motif

Reverse complement motif

Consensus sequence: YYTTAAGTACTTAAHD



Consensus sequence: HHTTAAGTACTTAAMK



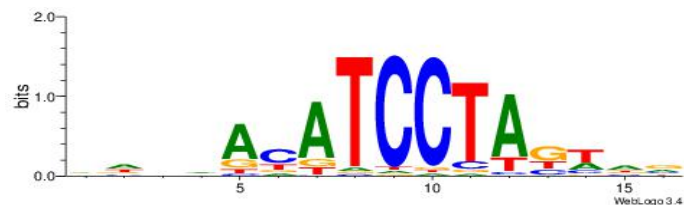
Motif ID: [UP00038](#)
Motif name: Spdef_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0318364

Alignment:

VDWYTAGGATGTHVDH
-----AAGSATTTTCA-

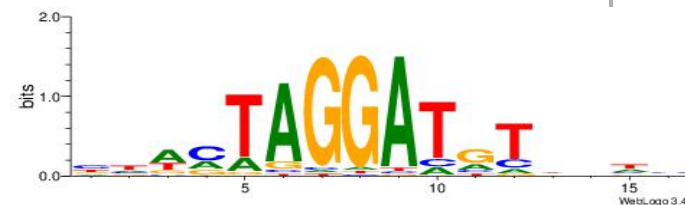
Original motif

Consensus sequence: DDBHACATCCTAKWDV



Reverse complement motif

Consensus sequence: VDWYTAGGATGTHVDH



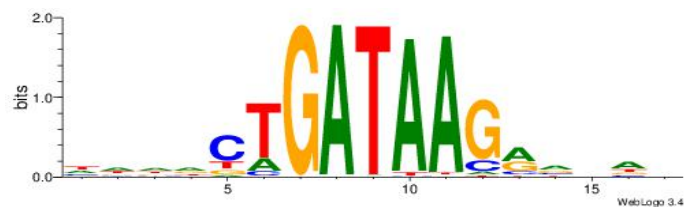
Motif ID: [UP00080](#)
 Motif name: Gata5_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0333422

Alignment:

DDHBKCTTATCAGDDDH
 -AAGSATTTTCA-----

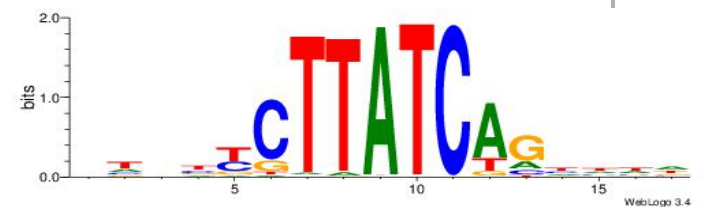
Original motif

Consensus sequence: HDDDCTGATAAGRVD



Reverse complement motif

Consensus sequence: DDHBKCTTATCAGDDDH



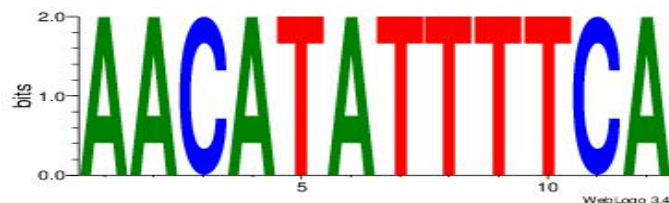
Dataset #: 1 Motif ID: 9 Motif name: Motif 9

Original motif

Consensus sequence: AACATATTTTCA

Reverse complement motif

Consensus sequence: TGAAAATATGTT



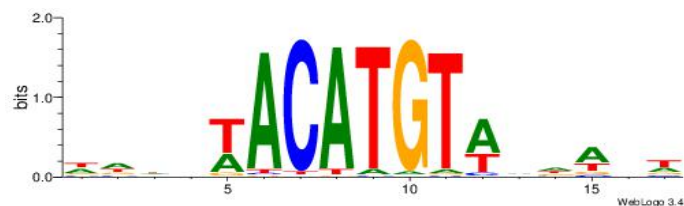
Best Matches for Motif ID 9 (Highest to Lowest)

Motif ID: [UP00250](#)
 Motif name: Irx5
 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: 12
 Similarity score: 0.0253217

Alignment:
 DDDHWACATGTWHDABW
 TGAAAATATGTT-----

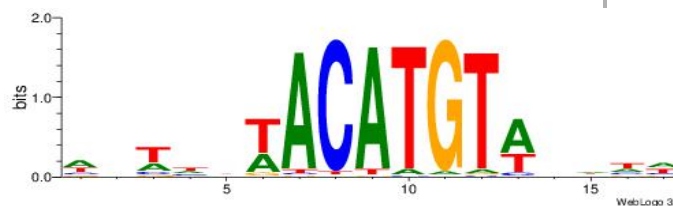
Original motif

Consensus sequence: DDDHWACATGTWHDABW



Reverse complement motif

Consensus sequence: WVT DHWACATGTWHD DD



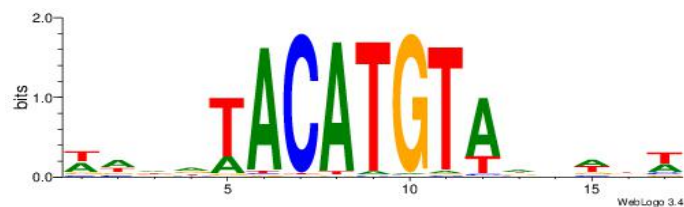
Motif ID: [UP00236](#)
 Motif name: Irx2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0267342

Alignment:

WDDDTACATGTADDWBW
 TGAAAATATGTT-----

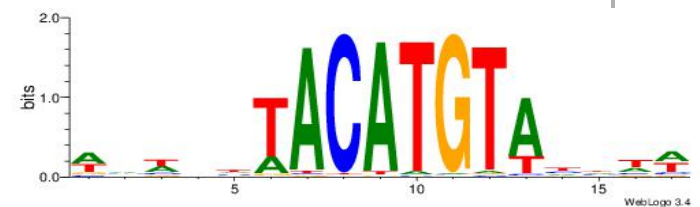
Original motif

Consensus sequence: WDDDTACATGTADDWBW



Reverse complement motif

Consensus sequence: WVWDDTACATGTADDW



Motif ID: [UP00059](#)
 Motif name: Arid5a_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: 0.0285822

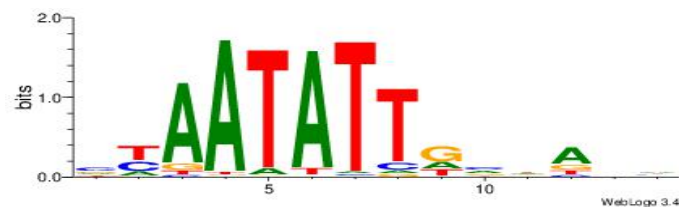
Alignment:

HDTDVCAATATTMV

--TGAAAATATGTT

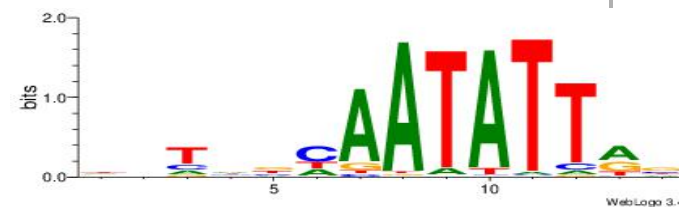
Original motif

Consensus sequence: VYAATATTGVDADH



Reverse complement motif

Consensus sequence: HDTDVCAATATTMV



Motif ID: [UP00194](#)

Motif name: Irx4

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: 0.0297419

Alignment:

WDHDWACATGTWAWABD

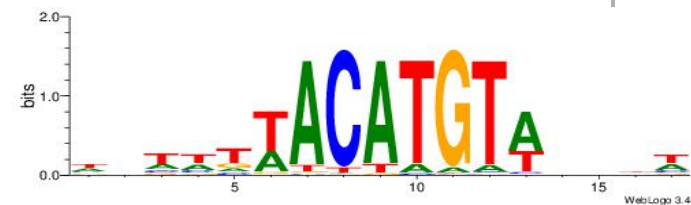
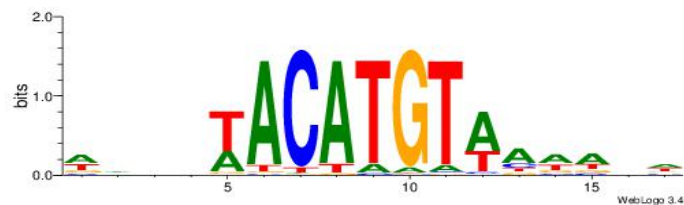
TGAAAATATGTT-----

Original motif

Consensus sequence: WDHDWACATGTWAWABD

Reverse complement motif

Consensus sequence: DBTWTWACATGTWDHDW

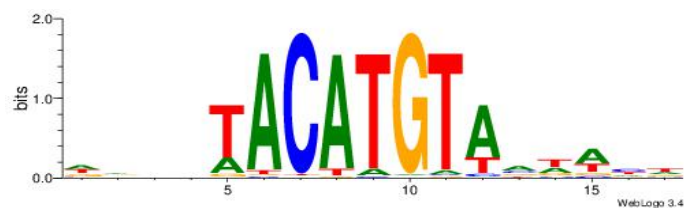


Motif ID: [UP00223](#)
 Motif name: Irx3_0920.1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.029857

Alignment:
 DDDDTACATGTAVWWHD
 TGAAAATATGTT-----

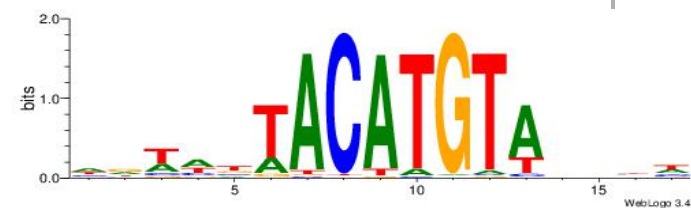
Original motif

Consensus sequence: DDDDTACATGTAVWWHD



Reverse complement motif

Consensus sequence: DDWWBTACATGTADDDD



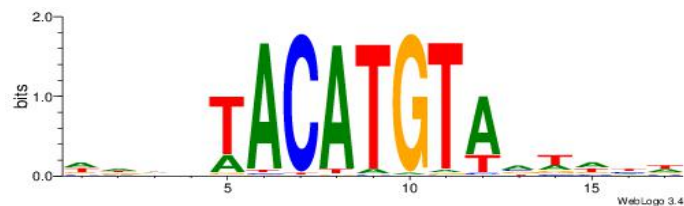
Motif ID: [UP00223](#)

Motif name: Irx3_2226.1
 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: 12
 Similarity score: 0.0299906

Alignment:
 DDDHTACATGTAVWDHD
 TGAAAATATGTT-----

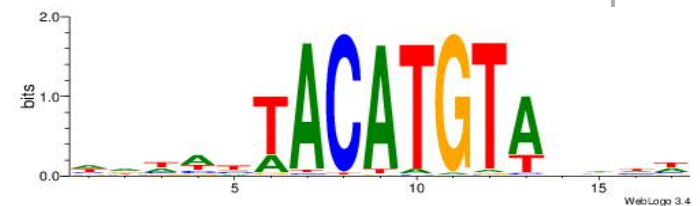
Original motif

Consensus sequence: DDDHTACATGTAVWDHD



Reverse complement motif

Consensus sequence: DHDWBTACATGTAHDDD



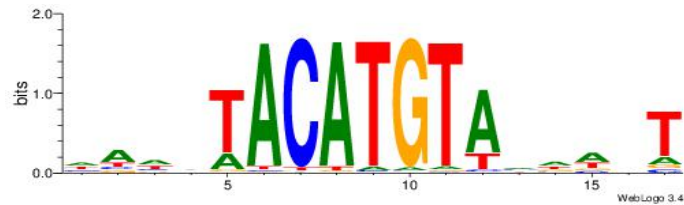
Motif ID: [UP00150](#)
 Motif name: Irx6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0303256

Alignment:

AHWDBTACATGTADHTH
TGAAAATATGTT-----

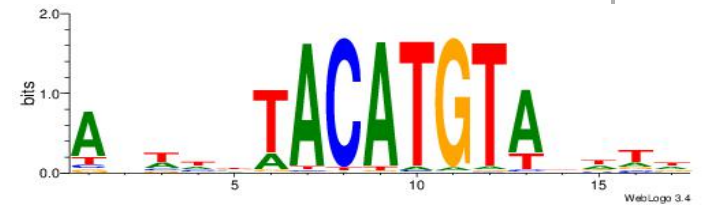
Original motif

Consensus sequence: HAHDTACATGTAVDWHT



Reverse complement motif

Consensus sequence: AHWDBTACATGTADHTH



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:	4
Number of overlap:	12
Similarity score:	0.0315999

Alignment:

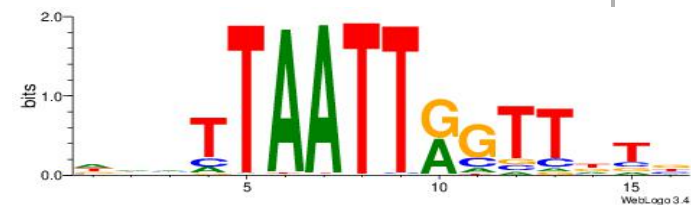
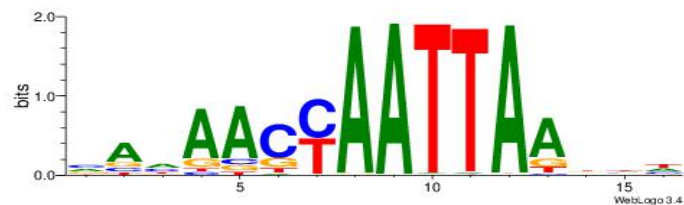
HHVTTAATTKGTTHTV
-TGAAAATATGTT---

Original motif

Consensus sequence: VAHAACYAATTAABHH

Reverse complement motif

Consensus sequence: HHVTTAATTKGTTHTV

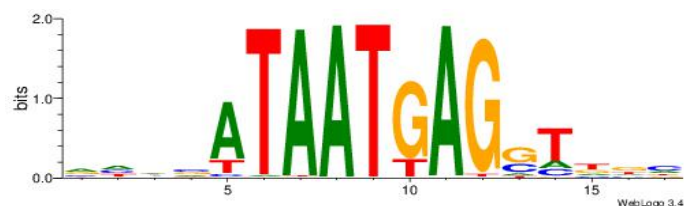


Motif ID: [UP00146](#)
 Motif name: Pou6f1_3733.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0330849

Alignment:
 DHDASCTCATTATVHHB
 ---AACATATTTTCA--

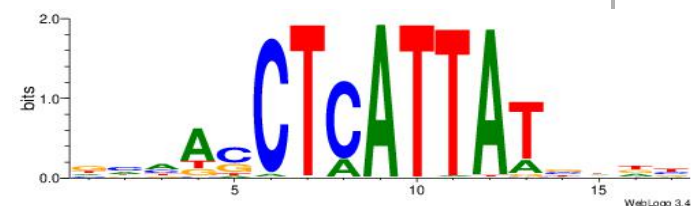
Original motif

Consensus sequence: VHHVATAATGAGSTDDH



Reverse complement motif

Consensus sequence: DHDASCTCATTATVHHB



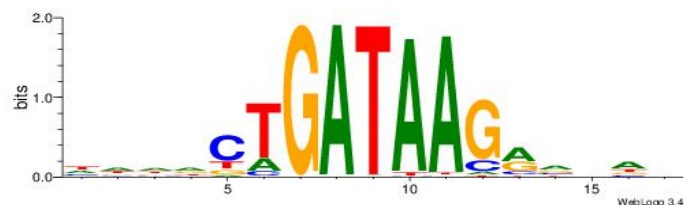
Motif ID: [UP00080](#)

Motif name: Gata5_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: 12
 Similarity score: 0.0334048

Alignment:
 HDDDCTGATAAGRVD
 AACATATTTTCA-----

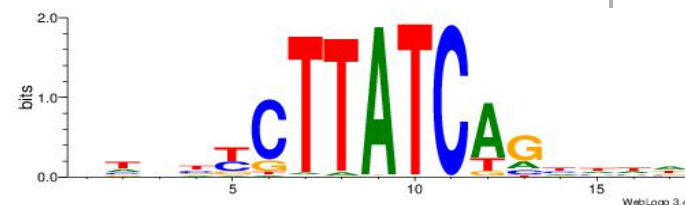
Original motif

Consensus sequence: HDDDCTGATAAGRVD



Reverse complement motif

Consensus sequence: DDHBKCTTATCAGDDDH



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

Original motif

Consensus sequence: AAAMATTGTTT



Reverse complement motif

Consensus sequence: AAACAATYTTT



Best Matches for Motif ID 10 (Highest to Lowest)

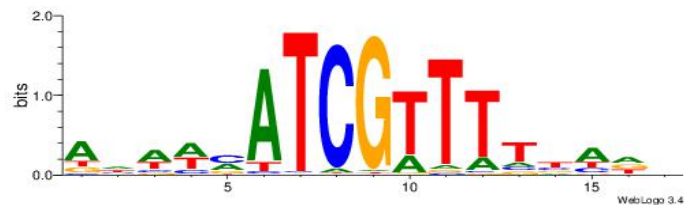
Motif ID: [UP00114](#)
Motif name: Homez
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 11
Similarity score: 0.0148981

Alignment:

AHWWMATCGTTTTBADD
-AAAMATTGTTT-----

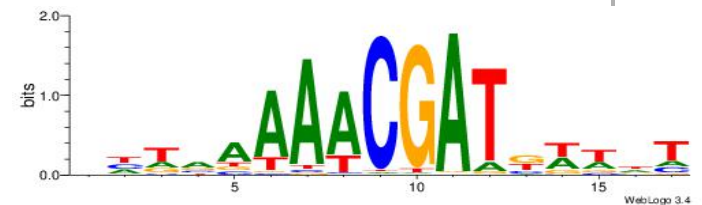
Original motif

Consensus sequence: AHWWMATCGTTTTBADD



Reverse complement motif

Consensus sequence: HDTVAAAACGATRWWHT



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:	5
Number of overlap:	11
Similarity score:	0.0154717

Alignment:

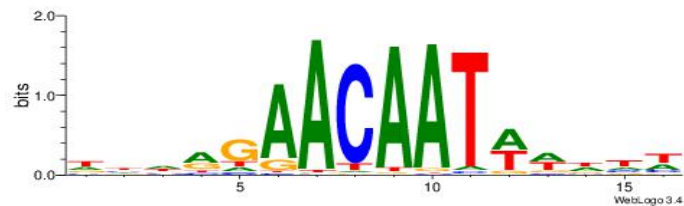
```

WHDWWATTGTTCKDHD
-AAAMATTGTTT-----

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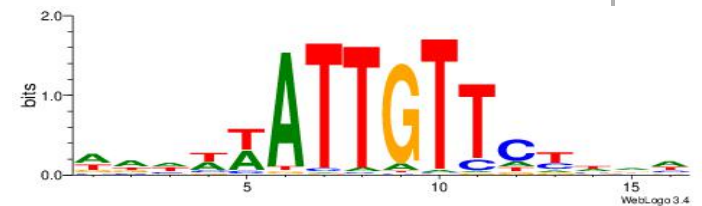
Original motif

Consensus sequence: DHDRGAACAATWWDHW



Reverse complement motif

Consensus sequence: WHDWWATTGTTCKDHD



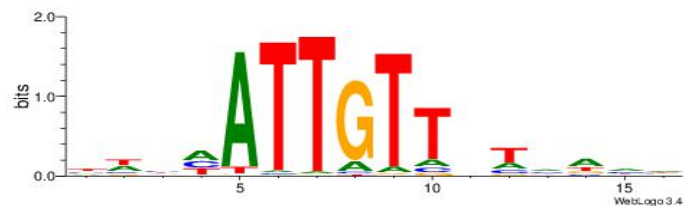
Motif ID:	UP00064
Motif name:	Sox18_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	11
Similarity score:	0.0200897

Alignment:

HHDHABAACAATHBWV
-----AAACAATYTTT

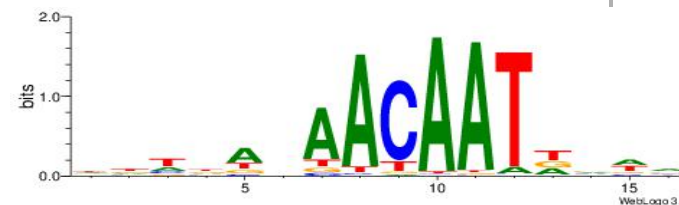
Original motif

Consensus sequence: BWBHATTGTTBTHDHH



Reverse complement motif

Consensus sequence: HHDHABAACAATHBWV



Motif ID:	UP00062
Motif name:	Sox4_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:	0.020377

Alignment:

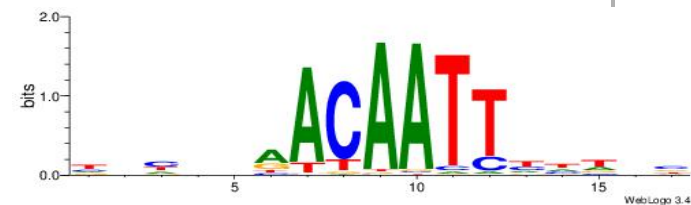
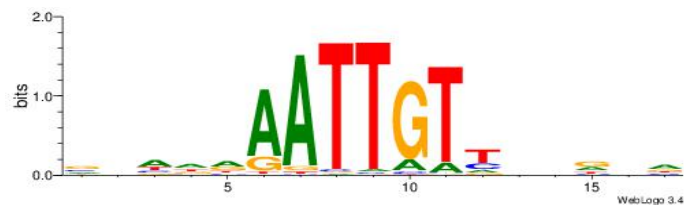
DDHVDAACAATTDDHVV
-----AAACAATYTTT--

Original motif

Consensus sequence: VVHDDAATTGTTDVDDD

Reverse complement motif

Consensus sequence: DDHVDAACAATTDDHVV

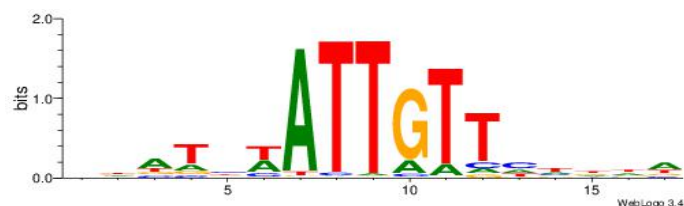


Motif ID: [UP00051](#)
 Motif name: Sox8_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0208116

Alignment:
 DDDHDAACAATWBATDD
 ----AAACAATYTTT--

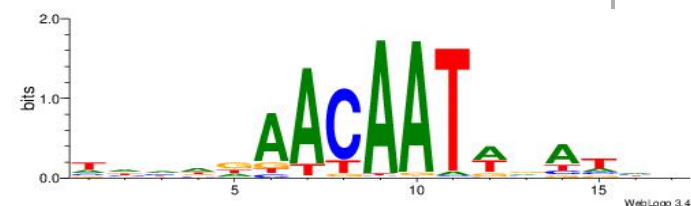
Original motif

Consensus sequence: DDATBWATTGTTHHDDD



Reverse complement motif

Consensus sequence: DDDHDAACAATWBATDD



Motif ID: [UP00023](#)

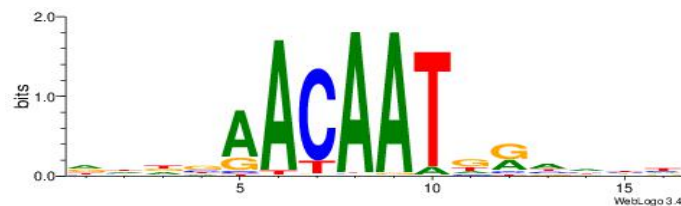
Motif name: Sox30_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0235407

Alignment:

HHHMHATTGTTBDHD
 --AAAMATTGTTT--

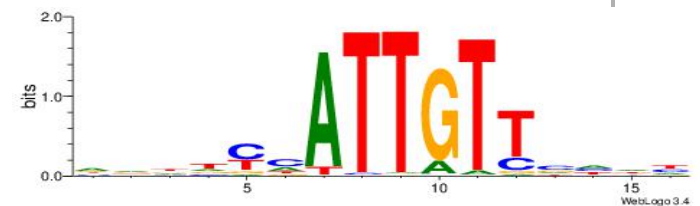
Original motif

Consensus sequence: DHDBAACAATDRHHHH



Reverse complement motif

Consensus sequence: HHHMHATTGTTBDHD



Motif ID: [UP00091](#)
 Motif name: Sox5_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: 11

Similarity score: 0.0236834

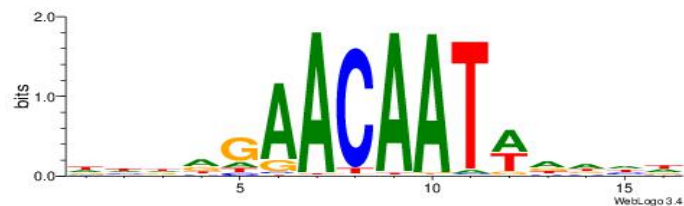
Alignment:

DHDDGAACAATWDDHD

----AAACAATYTTT-

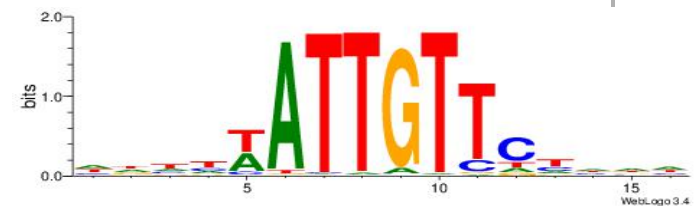
Original motif

Consensus sequence: DHDDGAACAATWDDHD



Reverse complement motif

Consensus sequence: DHDDWATTGTTCCDDHD



Motif ID: [UP00014](#)

Motif name: Sox17_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: 0.0256157

Alignment:

VDDAACAATTVAWHD

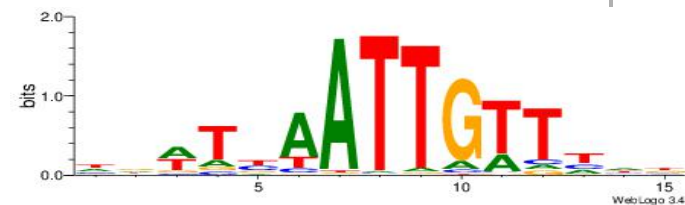
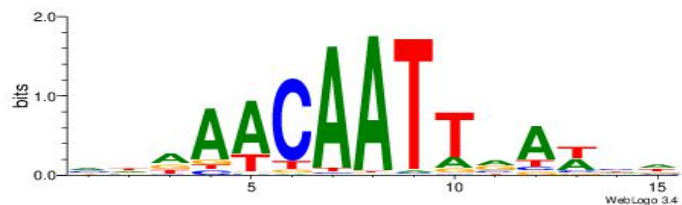
--AAACAATYTTT--

Original motif

Consensus sequence: VDDAACAATTVAWHD

Reverse complement motif

Consensus sequence: DDWTBAATTGTTDDB



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: 6
 Number of overlap: 11
 Similarity score: 0.0264034

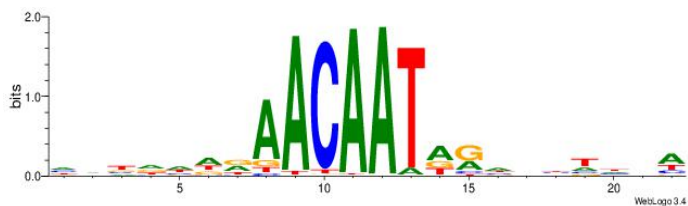
Alignment:

```

WBHHHHHMDATTGTTDHDVHH
-----AAAMATTGTTT-----
  
```

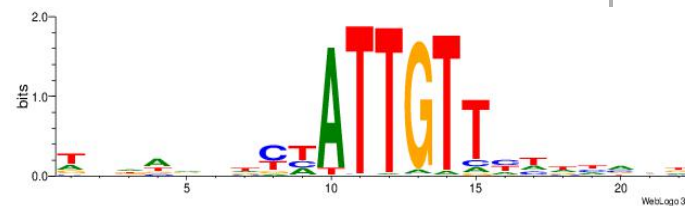
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTDHDVHH



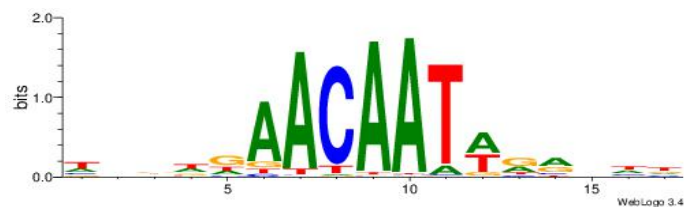
Motif ID: [UP00075](#)
 Motif name: Sox15_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0265966

Alignment:

DHVKMWATTGTTHDHDH
 --AAAMATTGTTT----

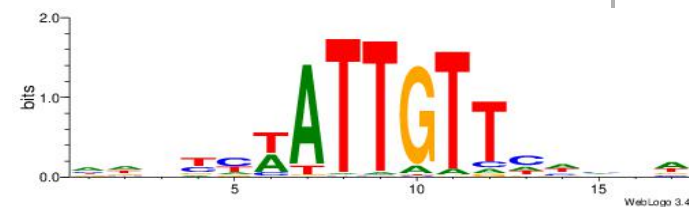
Original motif

Consensus sequence: HDDDDAACAATWRRBHD



Reverse complement motif

Consensus sequence: DHVKMWATTGTTHDHDH



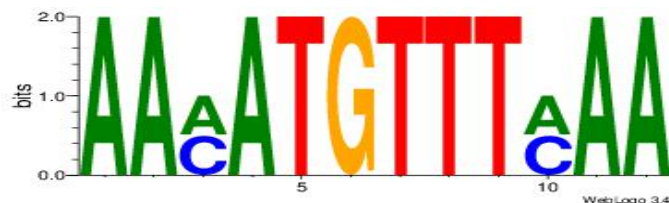
Dataset #: 1 Motif ID: 11 Motif name: Motif 11

Original motif

Consensus sequence: AAMATGTTTMAA

Reverse complement motif

Consensus sequence: TTYAACATYTT



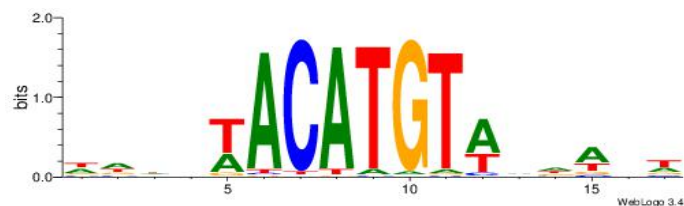
Best Matches for Motif ID 11 (Highest to Lowest)

Motif ID: [UP00250](#)
 Motif name: Irx5
 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: 12
 Similarity score: 0.00569393

Alignment:
 WVTDHWACATGTWHDDD
 -----AAMATGTTTMAA

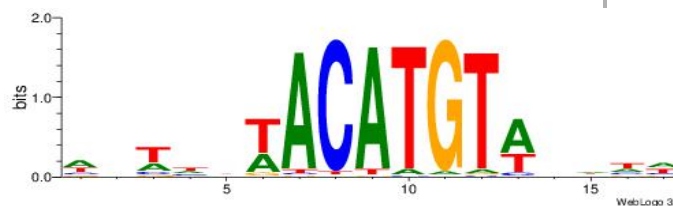
Original motif

Consensus sequence: DDDHWACATGTWHDABW



Reverse complement motif

Consensus sequence: WVTDHWACATGTWHDDD



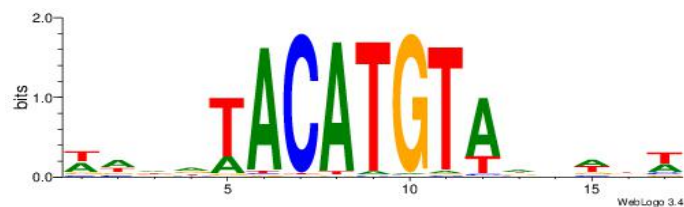
Motif ID: [UP00236](#)
 Motif name: Irx2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.00753568

Alignment:

WVWDDTACATGTADDDW
 -----AAMATGTTTMAA

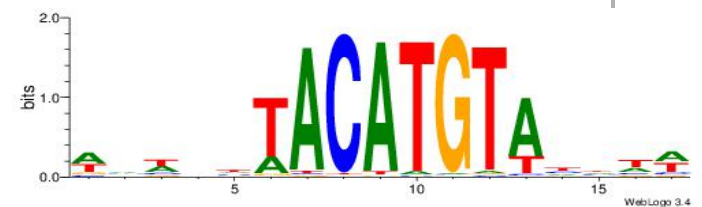
Original motif

Consensus sequence: WDDDTACATGTADDWBW



Reverse complement motif

Consensus sequence: WVWDDTACATGTADDDW



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: Backward
 Position number: 5

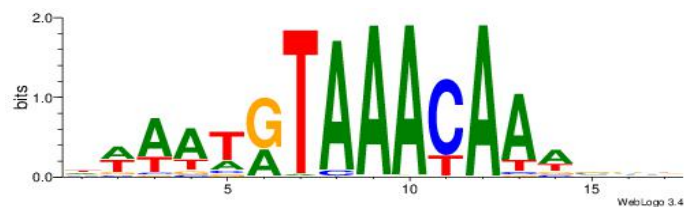
Number of overlap: 12
Similarity score: 0.00927938

Alignment:

VVVWTTGTTTAMATTWD
-AAMATGTTTMAA----

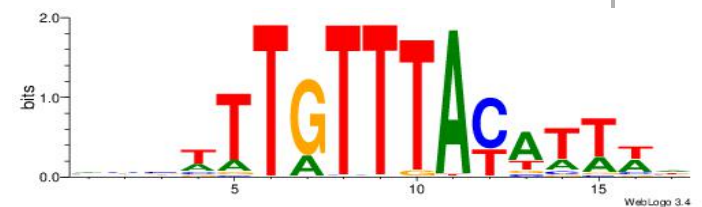
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



Motif ID: [UP00150](#)
Motif name: Irx6
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: 0.0104366

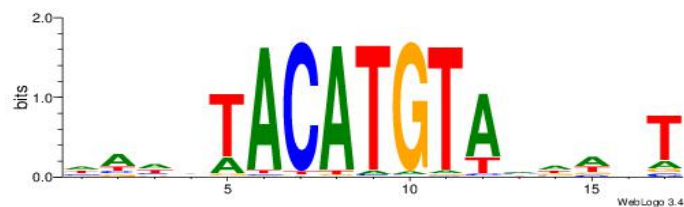
Alignment:

HAHDTACATGTAVDWHT
----AAMATGTTTMAA-

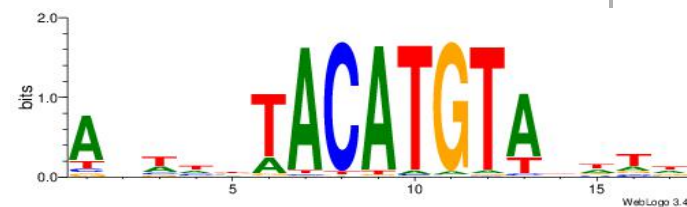
Original motif

Reverse complement motif

Consensus sequence: HAHDTACATGTAVDWHT



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: 2
Number of overlap: 12
Similarity score: 0.0110074

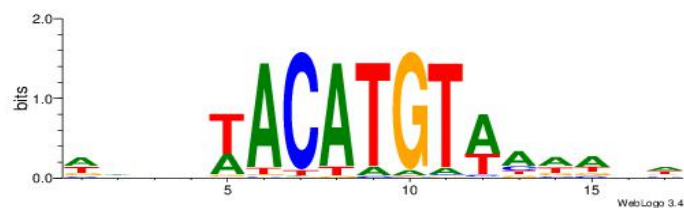
Alignment:

WDH DWACATGTWAWABD

----AAMATGTTTMAA--

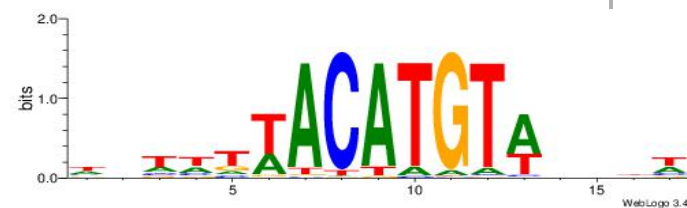
Original motif

Consensus sequence: WDH DWACATGTWAWABD



Reverse complement motif

Consensus sequence: DBTWTWACATGTWDH DW



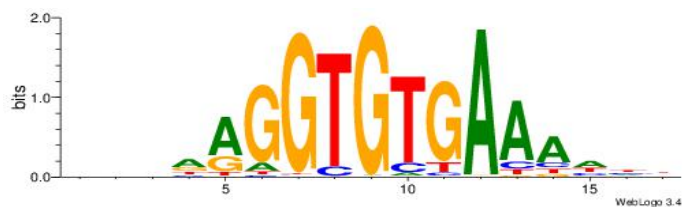
Motif ID: [UP00068](#)
 Motif name: Eomes_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0113539

Alignment:

HHHTTTCACACCTDHBV
 ----TTYAAACATYTT-

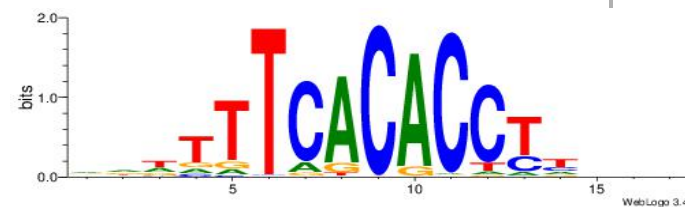
Original motif

Consensus sequence: BVHDAGGTGTGAAHHH



Reverse complement motif

Consensus sequence: HHHTTTCACACCTDHBV



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: Forward
 Position number: 6

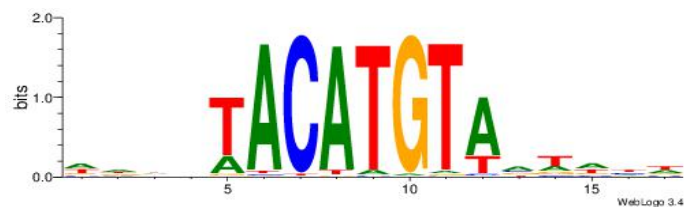
Number of overlap: 12
Similarity score: 0.0118824

Alignment:

DHDWBTACATGTAHDDD
-----AAMATGTTTMAA

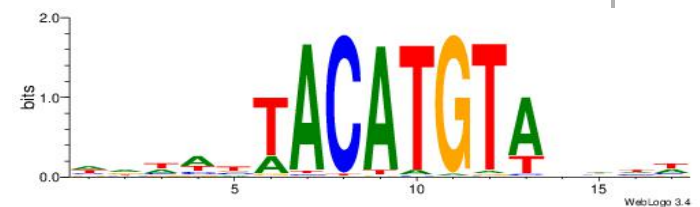
Original motif

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: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 12
Similarity score: 0.0132149

Alignment:

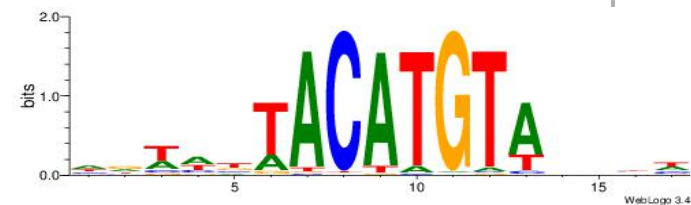
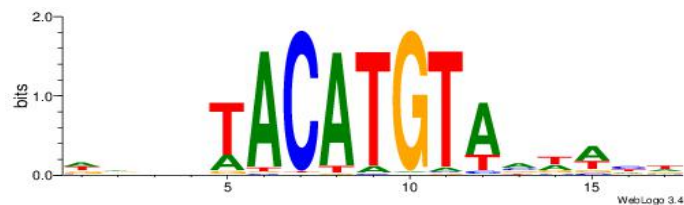
DDDDTACATGTAVWWHD
-----AAMATGTTTMAA

Original motif

Consensus sequence: DDDDTACATGTAVWWHD

Reverse complement motif

Consensus sequence: DDWWBTACATGTADDDD

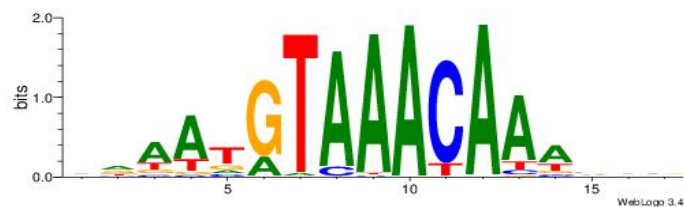


Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0142458

Alignment:
 BBVTTTGTTTACATTDD
 -AAMATGTTTMAA-----

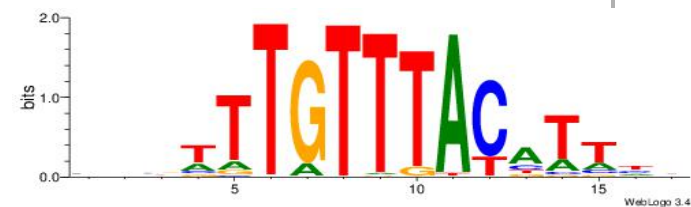
Original motif

Consensus sequence: DDAATGTAAACAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD



Motif ID: [UP00039](#)

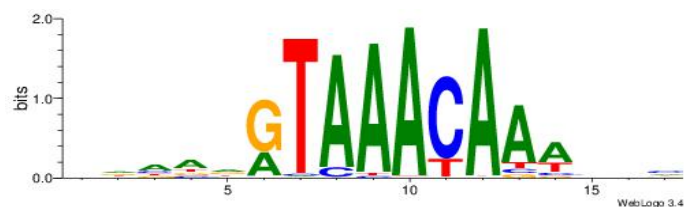
Motif name: Foxj3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0210343

Alignment:

DVVTTTGTTTACDTHDH
 -AAMATGTTTMAA-----

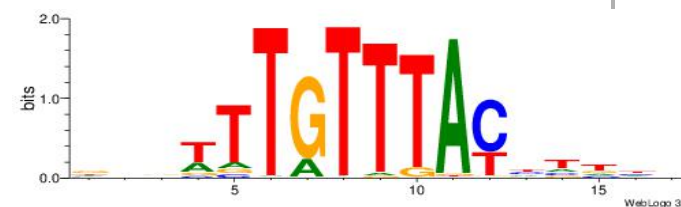
Original motif

Consensus sequence: HDHADGTAAACAAVVH



Reverse complement motif

Consensus sequence: DVVTTTGTTTACDTHDH



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

Original motif

Consensus sequence: ACAACACATTT

Reverse complement motif

Consensus sequence: AAATGTGTTGT



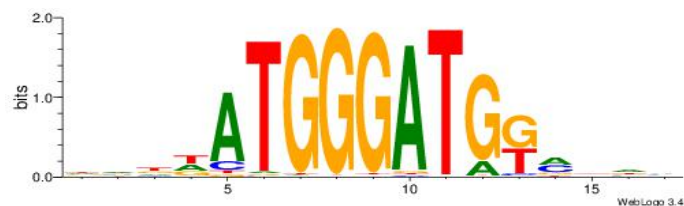
Best Matches for Motif ID 12 (Highest to Lowest)

Motif ID: [UP00033](#)
 Motif name: Zfp410_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: 0.0181

Alignment:
 DVDDATGGGATGKMDDV
 --AAATGTGTTGT----

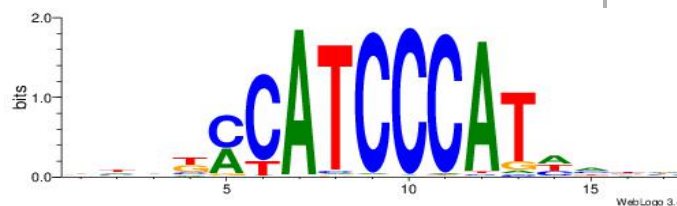
Original motif

Consensus sequence: DVDDATGGGATGKMDDV



Reverse complement motif

Consensus sequence: BDDYYCATCCCATDDBD



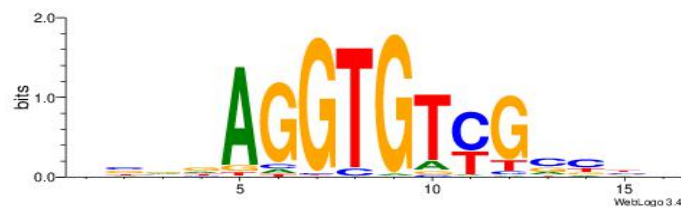
Motif ID: [UP00068](#)
 Motif name: Eomes_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0202807

Alignment:

VBVDAGGTGTYGVBBV
 --AAATGTGTTGT---

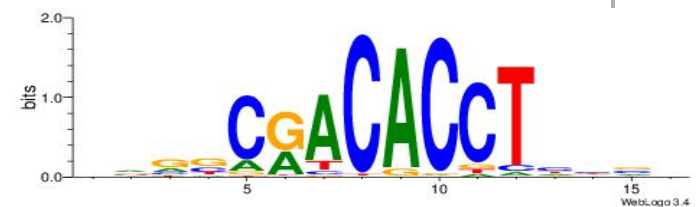
Original motif

Consensus sequence: VBVDAGGTGTYGVBBV



Reverse complement motif

Consensus sequence: VVBVCKACACCTHVBV



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

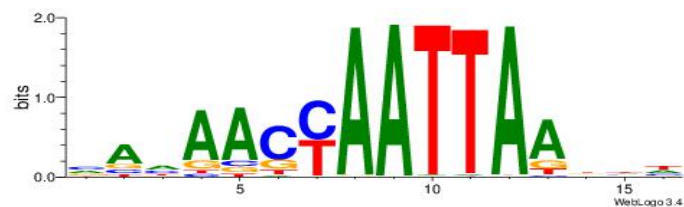
Number of overlap: 11
Similarity score: 0.0211208

Alignment:

HHVTTAATTKGTTHTV
-----AAATGTGTTGT--

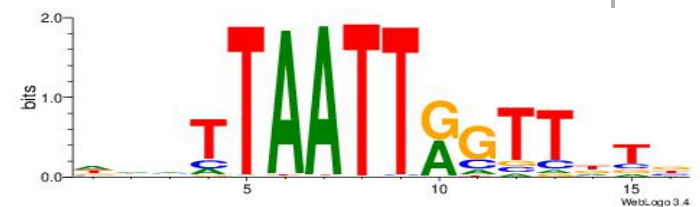
Original motif

Consensus sequence: VAHAACYAATTAABHH



Reverse complement motif

Consensus sequence: HHVTTAATTKGTTHTV



Motif ID: [UP00072](#)
Motif name: IRC900814_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: 11
Similarity score: 0.0216511

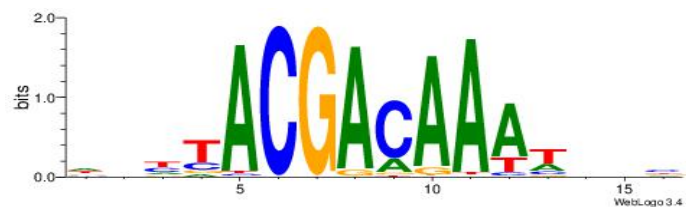
Alignment:

BHDWTTTGTCTAHDD
-AAATGTGTTGT----

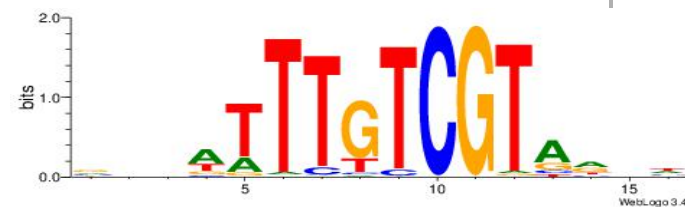
Original motif

Reverse complement motif

Consensus sequence: DDHTACGACAAWDDDB



Consensus sequence: BHDWTTTGTCTGTAHDD



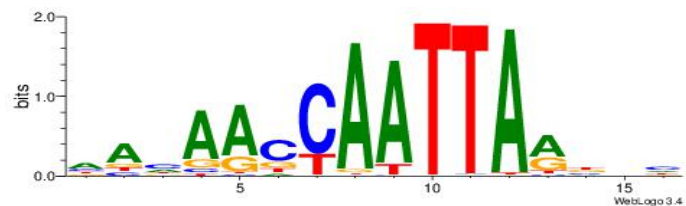
Motif ID: [UP00166](#)
Motif name: Barhl1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0230664

Alignment:

DDVKTAATTGGTTDTH
-----AAATGTGTTGT-

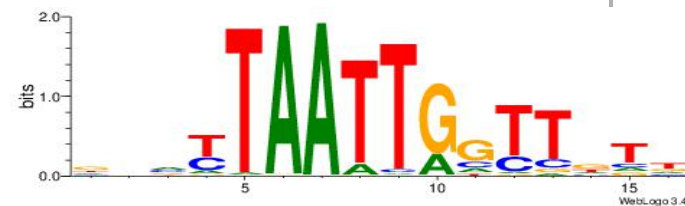
Original motif

Consensus sequence: HAHAACCAATTARBDH



Reverse complement motif

Consensus sequence: DDVKTAATTGGTTDTH



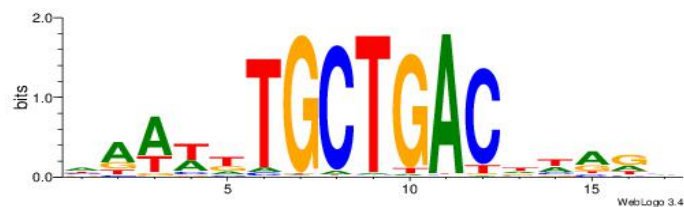
Motif ID: [UP00045](#)
 Motif name: Mafb_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0231414

Alignment:

HAAWDTGCTGACDWARH
 AAATGTGTTGT-----

Original motif

Consensus sequence: HAAWDTGCTGACDWARH



Reverse complement motif

Consensus sequence: DMTWDGTCAGCADWTTT



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: Forward
 Position number: 4

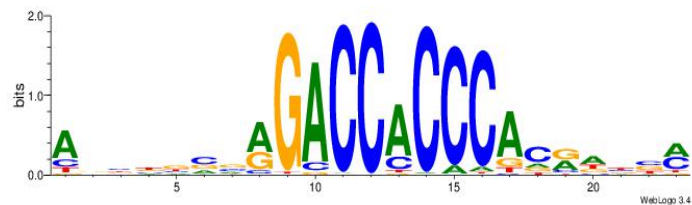
Number of overlap: 11
Similarity score: 0.0270722

Alignment:

YBVDMSGTGGGTGGTCKVVBVBBT
---AAATGTGTTGT-----

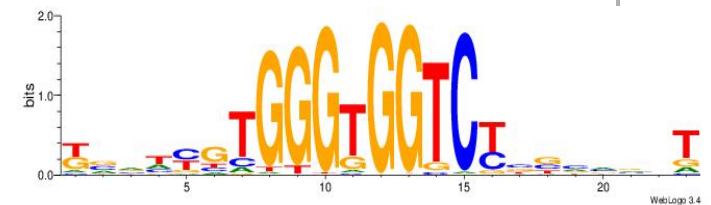
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMSGTGGGTGGTCKVVBVBBT



Motif ID: [UP00236](#)
Motif name: Irx2
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: 0.0272203

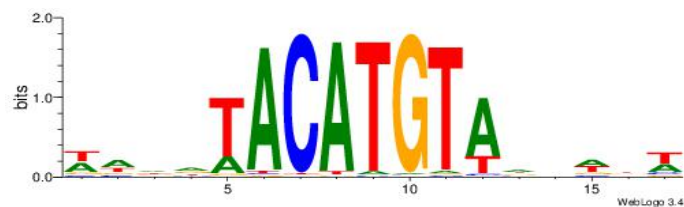
Alignment:

WVWDDTACATGTADDDW
-----AAATGTGTTGT

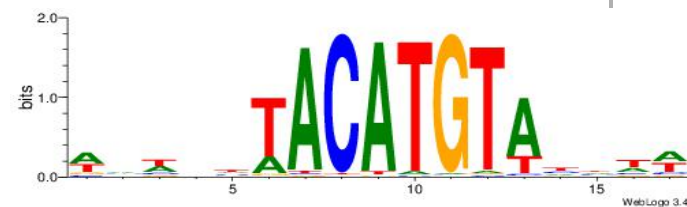
Original motif

Reverse complement motif

Consensus sequence: WDDDTACATGTADDWBW



Consensus sequence: VVWDDTACATGTADDDW



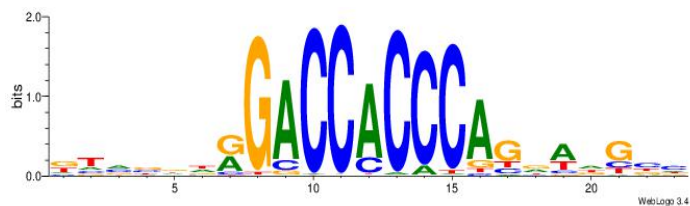
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 9
Number of overlap: 11
Similarity score: 0.0274347

Alignment:

DTVBD DRGACCACCCAGDWDGBH
-----ACAACACATTT-----

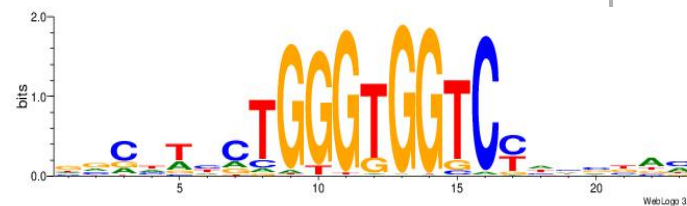
Original motif

Consensus sequence: DTVBD DRGACCACCCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



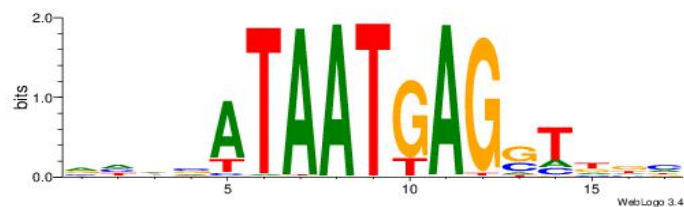
Motif ID: [UP00146](#)
 Motif name: Pou6f1_3733.1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0275808

Alignment:

VHHVATAATGAGSTDDH
 -----AAATGTGTTGT-

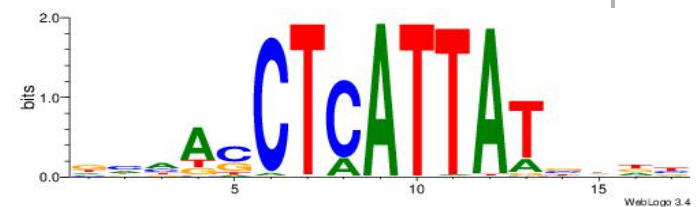
Original motif

Consensus sequence: VHHVATAATGAGSTDDH



Reverse complement motif

Consensus sequence: DHDASCTCATTATVHHB



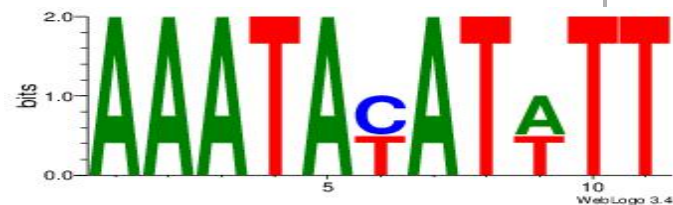
Dataset #: 1 Motif ID: 13 Motif name: Motif 13

Original motif

Consensus sequence: AAWATRTATTT

Reverse complement motif

Consensus sequence: AAATAKATWTT



Best Matches for Motif ID 13 (Highest to Lowest)

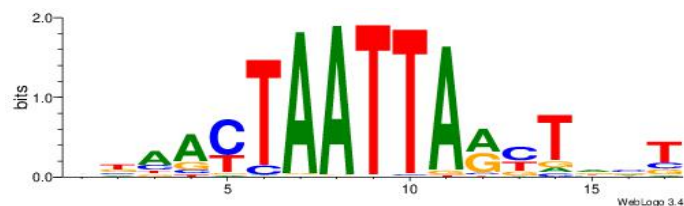
Motif ID: [UP00266](#)
 Motif name: Prrx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0142423

Alignment:

AVDAKKTAATTAGTTVV
 AAWATRTATTT-----

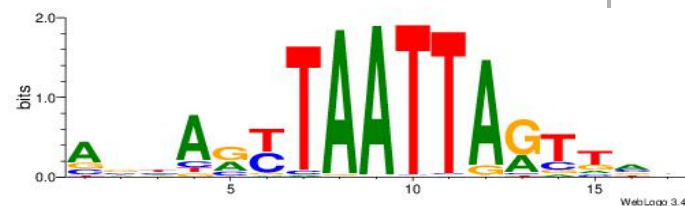
Original motif

Consensus sequence: VBAACTAATTARYTDVT



Reverse complement motif

Consensus sequence: AVDAKKTAATTAGTTVV



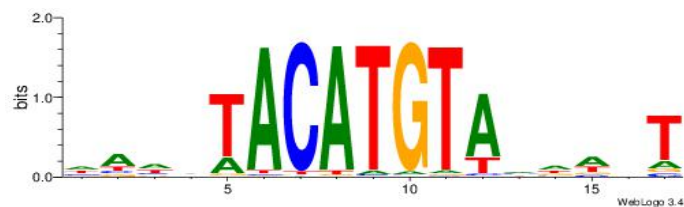
Motif ID: [UP00150](#)
 Motif name: Irx6
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.020069

Alignment:

AHWDBTACATGTADHHTH
 -----AAWATRTATTT-

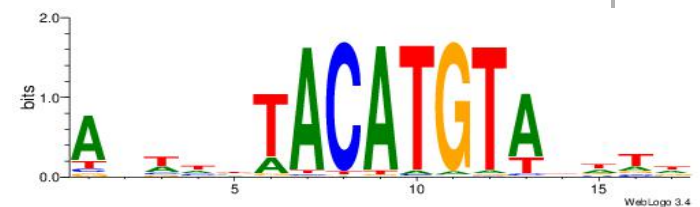
Original motif

Consensus sequence: HAHDTACATGTAVDWHT



Reverse complement motif

Consensus sequence: AHWDBTACATGTADHHTH



Motif ID: [UP00236](#)
 Motif name: Irx2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6

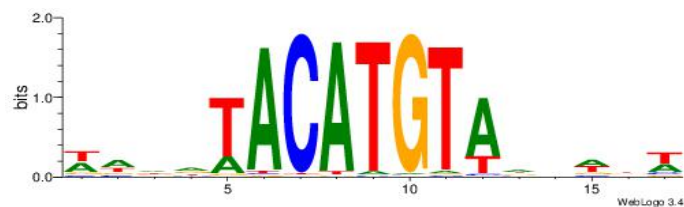
Number of overlap: 11
Similarity score: 0.0214423

Alignment:

WVWDDTACATGTADDDW
-----AAWATRTATTT-

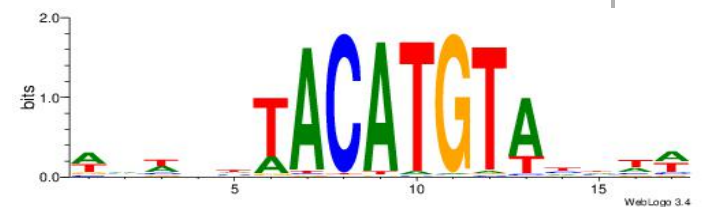
Original motif

Consensus sequence: WDDDTACATGTADDWBW



Reverse complement motif

Consensus sequence: WVWDDTACATGTADDDW



Motif ID: [UP00261](#)
Motif name: Lhx4
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: 11
Similarity score: 0.0230284

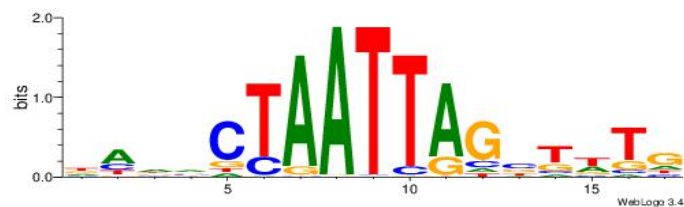
Alignment:

DADVCTAATTAGBTWTG
-----AAATAKATWTT

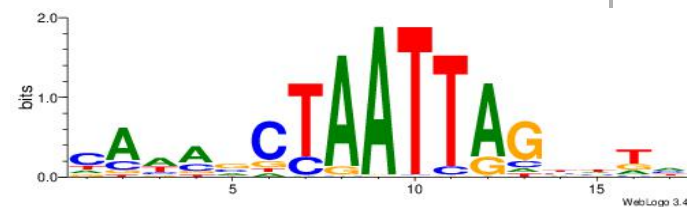
Original motif

Reverse complement motif

Consensus sequence: DADVCTAATTAGBTWTG



Consensus sequence: CAWABCTAATTAGBDTD



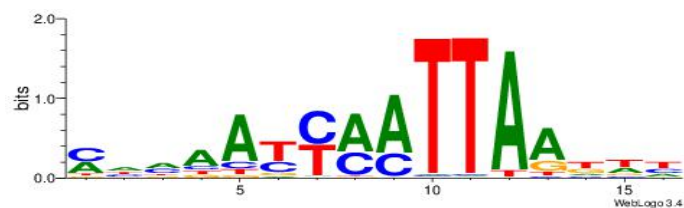
Motif ID: [UP00170](#)
Motif name: Isl2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 11
Similarity score: 0.0233945

Alignment:

HWDTTAATYKMTTHHR
-----AAATAKATWTT-

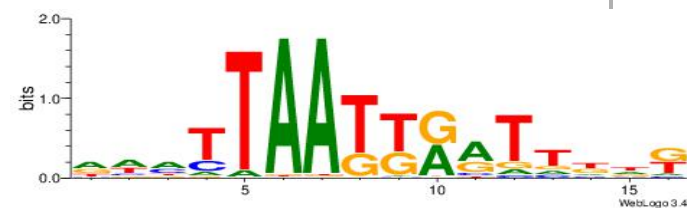
Original motif

Consensus sequence: MHHAAYYMATTAADWH



Reverse complement motif

Consensus sequence: HWDTTAATYKMTTHHR



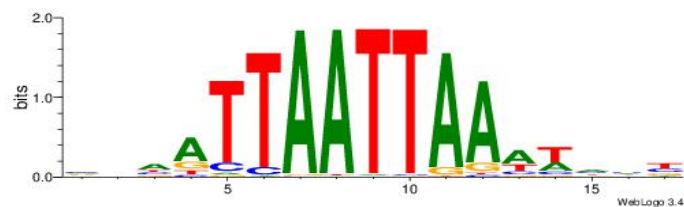
Motif ID: [UP00212](#)
 Motif name: Lhx5
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0236276

Alignment:

VDHWTTTAATTAATHHV
 AAWATRTATTT-----

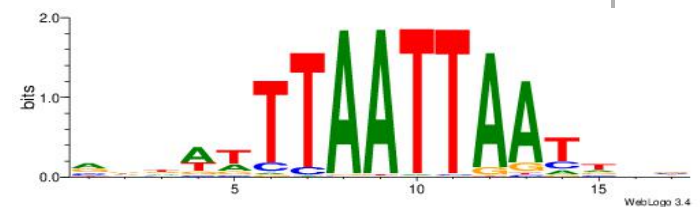
Original motif

Consensus sequence: VDHATTAATTAAWHHB



Reverse complement motif

Consensus sequence: VDHWTTTAATTAATHHV



Motif ID: [UP00108](#)
 Motif name: Alx3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7

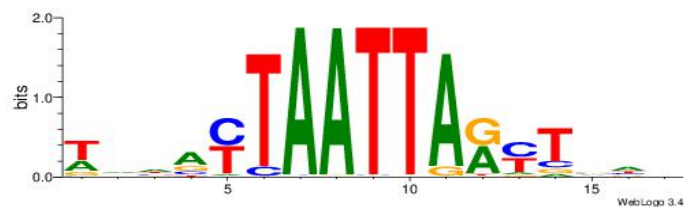
Number of overlap: 11
Similarity score: 0.0243258

Alignment:

VHVAKMTAATTAKTHBW
AAWATRTATTT-----

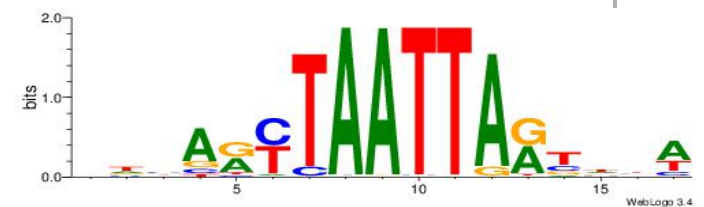
Original motif

Consensus sequence: WVHAYTAATTARYTVHV



Reverse complement motif

Consensus sequence: VHVAKMTAATTAKTHBW



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: 11
Similarity score: 0.0254704

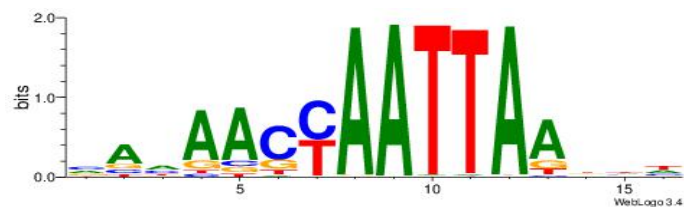
Alignment:

HHVTTAATTKGTTHTV
----AAATAKATWTT-

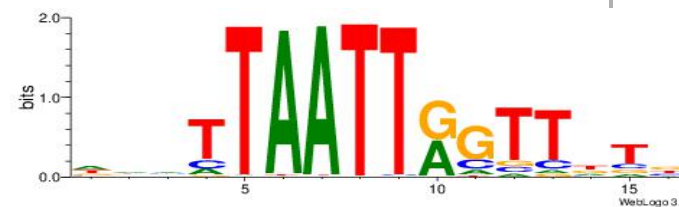
Original motif

Reverse complement motif

Consensus sequence: VAHAACYAATTAABHH



Consensus sequence: HHVTTAATTGTTHTV



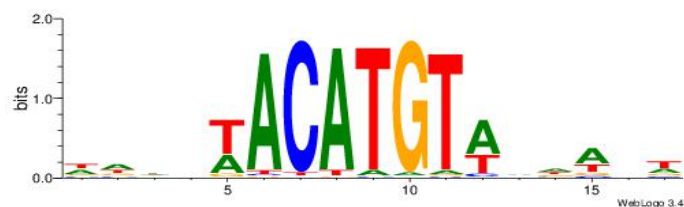
Motif ID: [UP00250](#)
Motif name: Irx5
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 11
Similarity score: 0.0259267

Alignment:

```
WVTDHWACATGTWHDDD  
-----AAWATRTATTT-
```

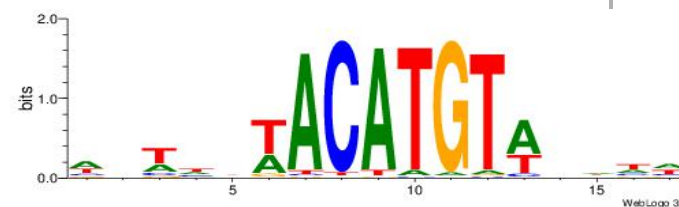
Original motif

Consensus sequence: DDDHWACATGTWHDABW



Reverse complement motif

Consensus sequence: WVTDHWACATGTWHDDD



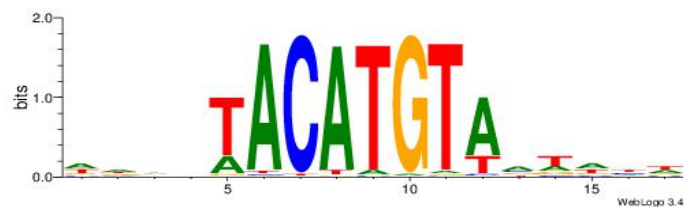
Motif ID: [UP00223](#)
 Motif name: Irx3_2226.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0263428

Alignment:

DDDHTACATGTAVWDHD
 ----AAWATRTATTT--

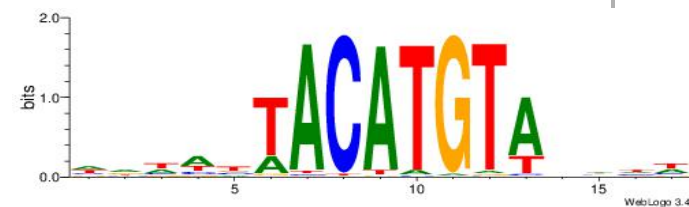
Original motif

Consensus sequence: DDDHTACATGTAVWDHD



Reverse complement motif

Consensus sequence: DHDWBTACATGTAHDDD



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

Original motif

Consensus sequence: TAATKATATAA

Reverse complement motif

Consensus sequence: TTATATYATTA



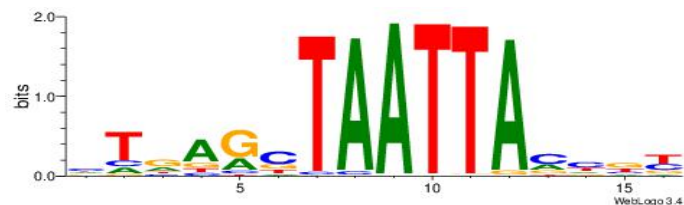
Best Matches for Motif ID 14 (Highest to Lowest)

Motif ID: [UP00264](#)
 Motif name: Hoxa1
 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: 0.0229661

Alignment:
 MBDRTAATTAGCTHAD
 ----TAATKATATAA-

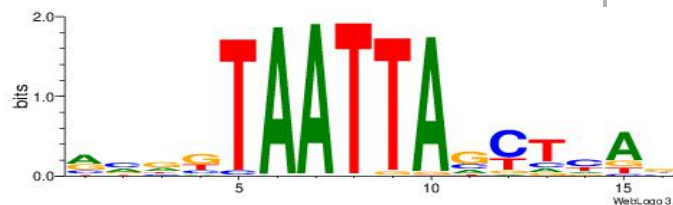
Original motif

Consensus sequence: HTDAGCTAATTAMHBY



Reverse complement motif

Consensus sequence: MBDRTAATTAGCTHAD



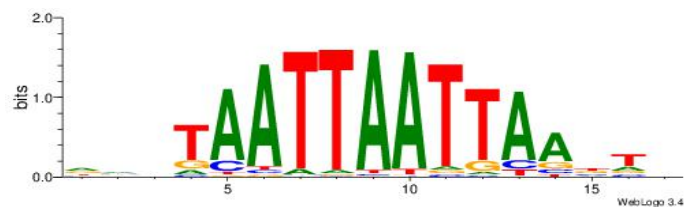
Motif ID: [UP00129](#)
Motif name: Pou3f1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 11
Similarity score: 0.02767

Alignment:

DVBTAATTAATTAABTH
---TAATKATATAA---

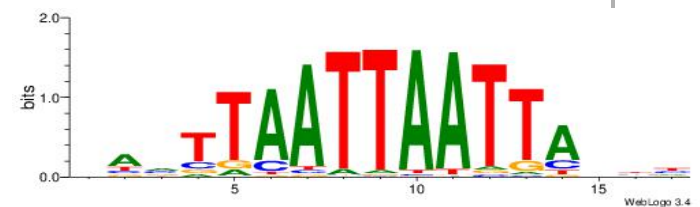
Original motif

Consensus sequence: DVBTAATTAATTAABTH



Reverse complement motif

Consensus sequence: DAVTTAATTAATTAVBD



Motif ID: [UP00212](#)
Motif name: Lhx5
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2

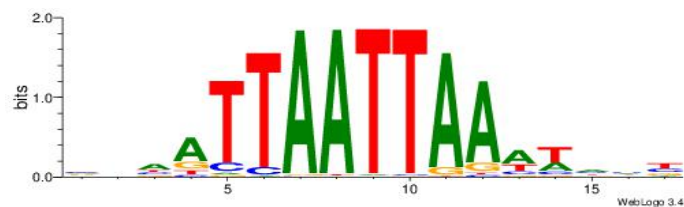
Number of overlap: 11
Similarity score: 0.0295456

Alignment:

VDHATTAATTAAWHHB
-----TAATKATATAA-

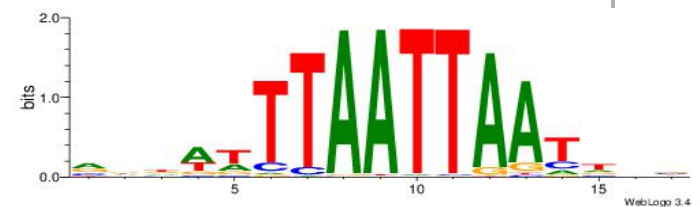
Original motif

Consensus sequence: VDHATTAATTAAWHHB



Reverse complement motif

Consensus sequence: VDHWTTTAATTAATHHV



Motif ID: [UP00130](#)
Motif name: Lhx3
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: 0.0295647

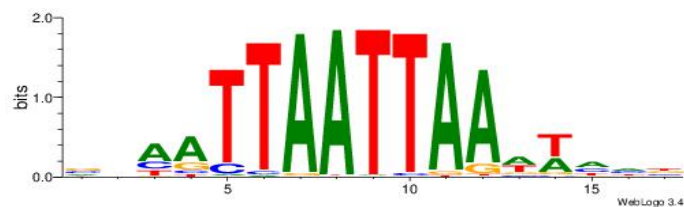
Alignment:

VDAATTAATTAAWHHB
-----TAATKATATAA-

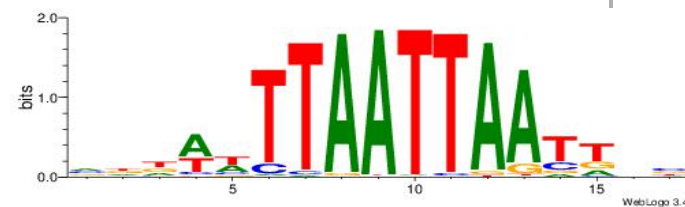
Original motif

Reverse complement motif

Consensus sequence: VDAATTAATTAAWWHHB



Consensus sequence: VHHWWTTAATTAATTDV



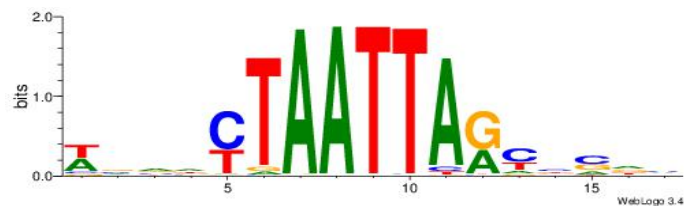
Motif ID: [UP00247](#)
Motif name: Pax4
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0309932

Alignment:

DDSBKMTAATTAKDBVW
-----TAATKATATAA

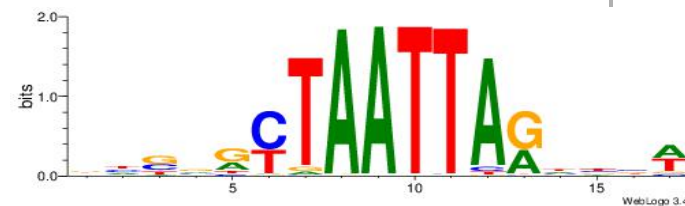
Original motif

Consensus sequence: WVVDYTAATTARYBSDH



Reverse complement motif

Consensus sequence: DDSBKMTAATTAKDBVW



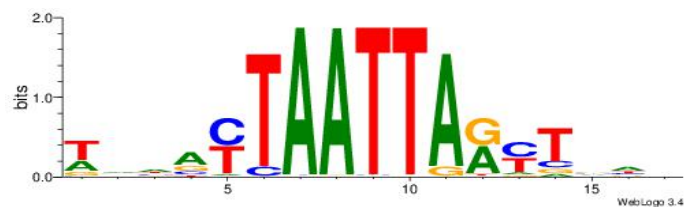
Motif ID: [UP00108](#)
 Motif name: Alx3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0319078

Alignment:

VHVAKMTAATTAKTHBW
 -----TAATKATATAA

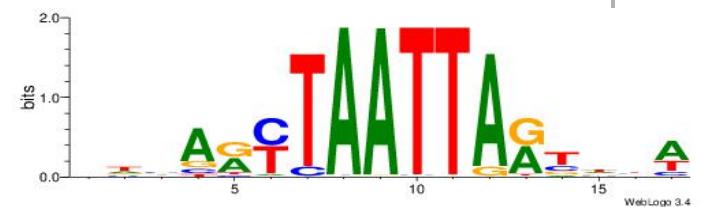
Original motif

Consensus sequence: WVHAYTAATTARYTVHV



Reverse complement motif

Consensus sequence: VHVAKMTAATTAKTHBW



Motif ID: [UP00105](#)
 Motif name: Pou3f4
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4

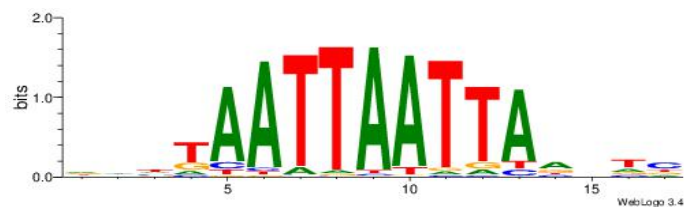
Number of overlap: 11
Similarity score: 0.0323543

Alignment:

DVHTAATTAATTADDDDB
---TAATKATATAA---

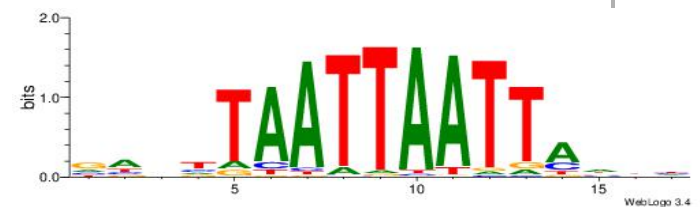
Original motif

Consensus sequence: DVHTAATTAATTADDDDB



Reverse complement motif

Consensus sequence: BDDDTAATTAATTAHBD



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: 3
Number of overlap: 11
Similarity score: 0.0327446

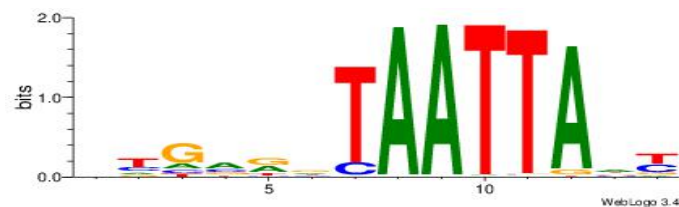
Alignment:

MDTAATTAHMBCHB
--TAATKATATAA-

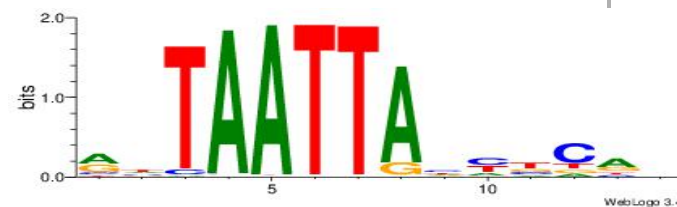
Original motif

Reverse complement motif

Consensus sequence: BHGVRDTAATTADY



Consensus sequence: MDTAATTAHMBCHB

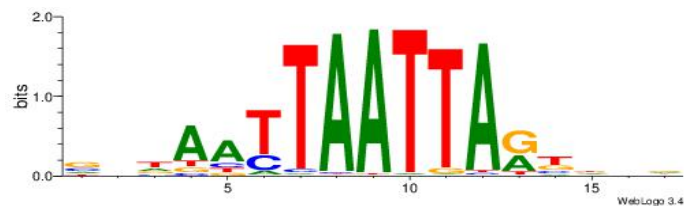


Motif ID: [UP00128](#)
Motif name: Pou3f2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 11
Similarity score: 0.0328898

Alignment:
HHDVMTAATTAATTDDV
-----TAATKATATAA-

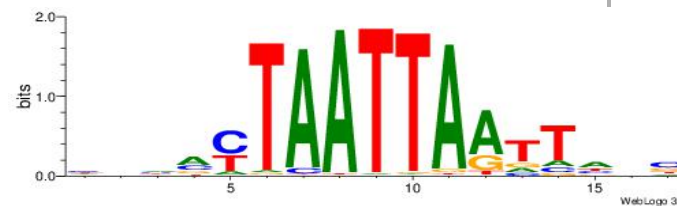
Original motif

Consensus sequence: VDDAATTAATTARBDHD



Reverse complement motif

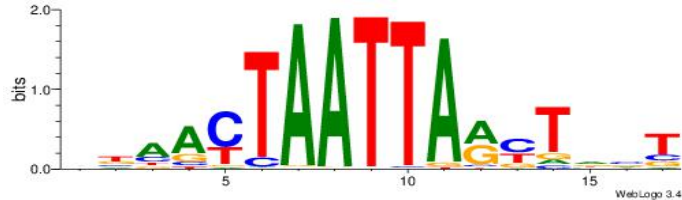
Consensus sequence: HHDVMTAATTAATTDDV



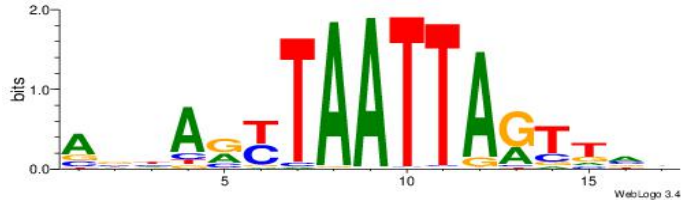
Motif ID: [UP00266](#)
Motif name: Prrx1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 7
Number of overlap: 11
Similarity score: 0.0331473

Alignment:
AVDAKKTAATTAGTTVV
-----TAATKATATAA

Original motif
Consensus sequence: VBAACTAATTARYTDVT



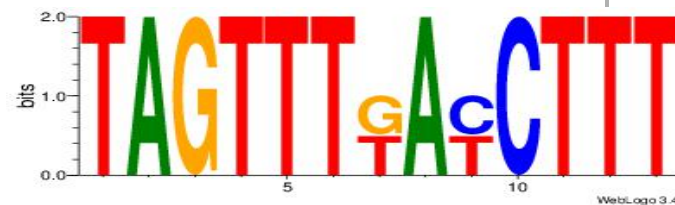
Reverse complement motif
Consensus sequence: AVDAKKTAATTAGTTVV



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

Original motif
Consensus sequence: AAAGRTMAAACTA

Reverse complement motif
Consensus sequence: TAGTTTYAKCTTT



Best Matches for Motif ID 15 (Highest to Lowest)

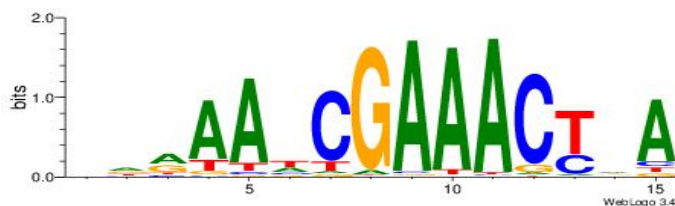
Motif ID: [UP00074](#)
 Motif name: Isgf3g_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0359564

Alignment:

TDAGTTTCGWTTKDV
 -TAGTTTYAKCTTT-

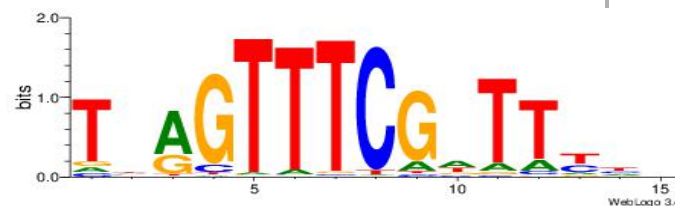
Original motif

Consensus sequence: VDRAAWCGAAACTDA



Reverse complement motif

Consensus sequence: TDAGTTTCGWTTKDV



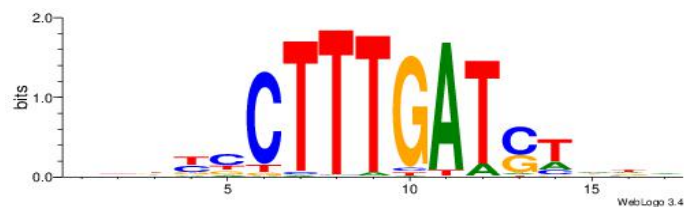
Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 13
 Similarity score: 0.0371142

Alignment:

BDDASATCAAAGGMDDD
 -AAAGRTMAAACTA---

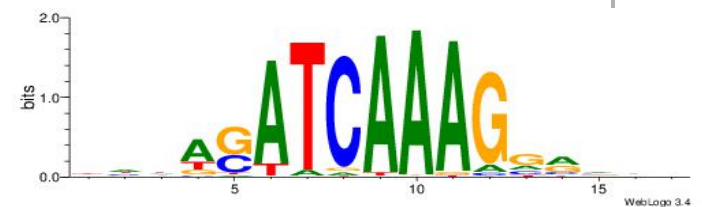
Original motif

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: Backward
 Position number: 4

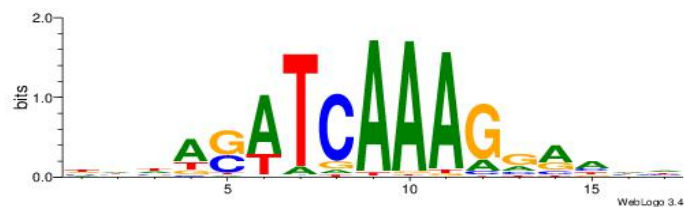
Number of overlap: 13
Similarity score: 0.0377174

Alignment:

BHHASATCAAAGGAHHH
-AAAGRTMAAACTA---

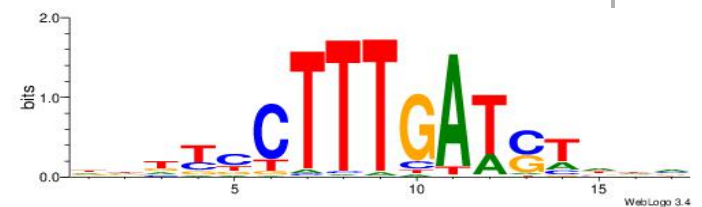
Original motif

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: 4
Number of overlap: 13
Similarity score: 0.0394685

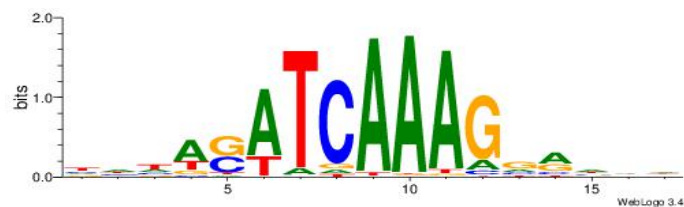
Alignment:

HHHASATCAAAGVRHHH
-AAAGRTMAAACTA---

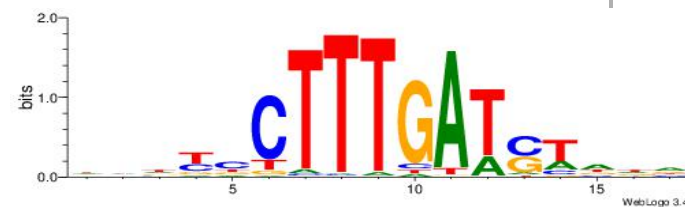
Original motif

Reverse complement motif

Consensus sequence: HHHASATCAAAGVRHHH



Consensus sequence: HHHKVCTTTGATSTHHH



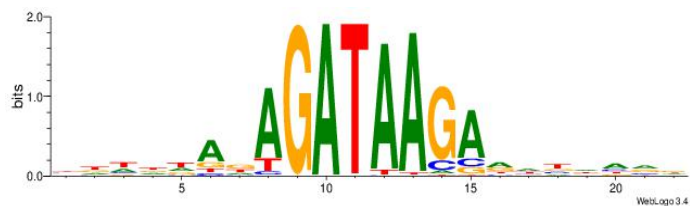
Motif ID: [UP00032](#)
Motif name: Gata3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 6
Number of overlap: 13
Similarity score: 0.0406011

Alignment:

HBHDVHDTCTTATCTHTDDHDV
-----TAGTTTYAKCTTT-----

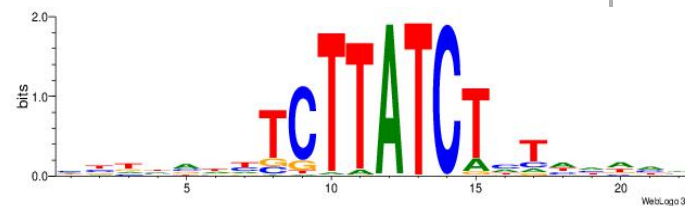
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



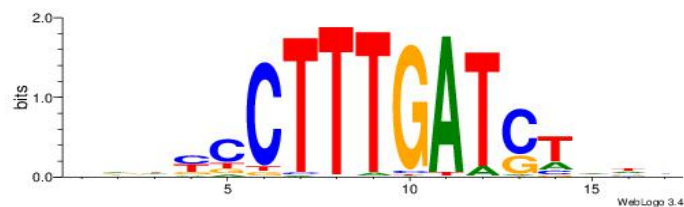
Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 13
 Similarity score: 0.0411941

Alignment:

VDDAGATCAAAGGKDDD
 -AAAGRTMAAACTA---

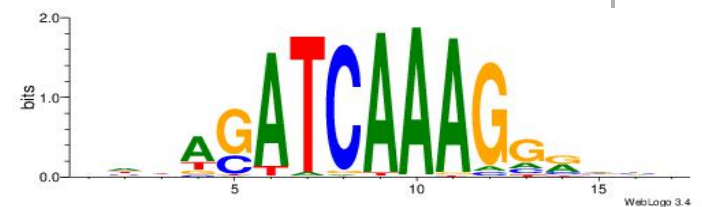
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD



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: Backward
 Position number: 1

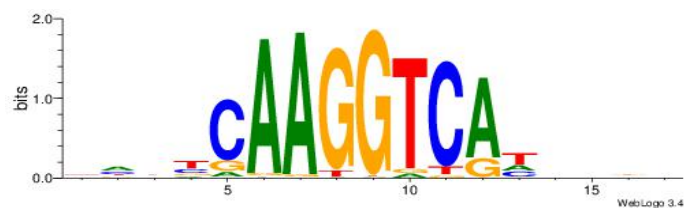
Number of overlap: 13
Similarity score: 0.042799

Alignment:

DHDBCAAGGTCAHVBDH
----AAAGRTMAAACTA

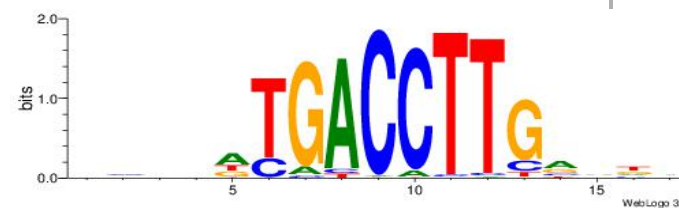
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



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: 2
Number of overlap: 13
Similarity score: 0.0473603

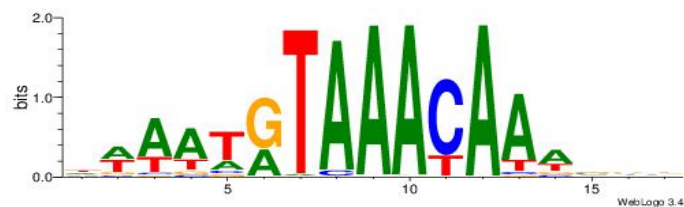
Alignment:

DWAATRTAAACAAWVVB
-AAAGRTMAAACTA---

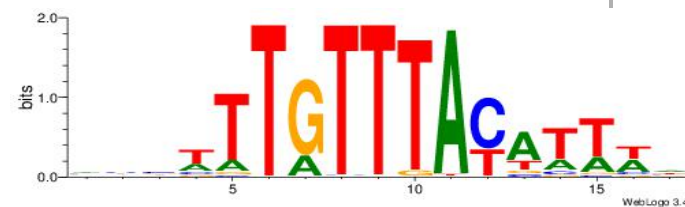
Original motif

Reverse complement motif

Consensus sequence: DWAATRTAAACAAWVVB



Consensus sequence: VVVWTTGTTTAMATTWD



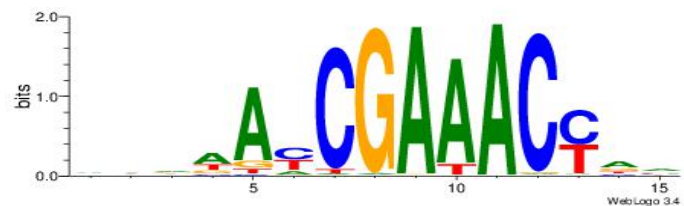
Motif ID: [UP00040](#)
Motif name: Irf5_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 13
Similarity score: 0.0474515

Alignment:

BDKGTTTCGKTWDDD
-TAGTTTYAKCTTT-

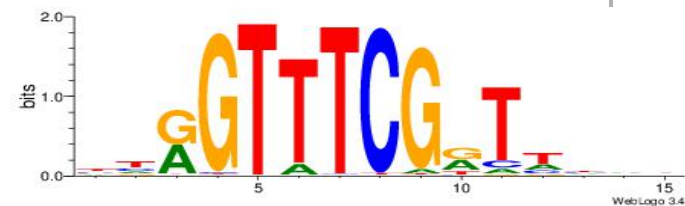
Original motif

Consensus sequence: DDDWAYCGAAACYDV



Reverse complement motif

Consensus sequence: BDKGTTTCGKTWDDD



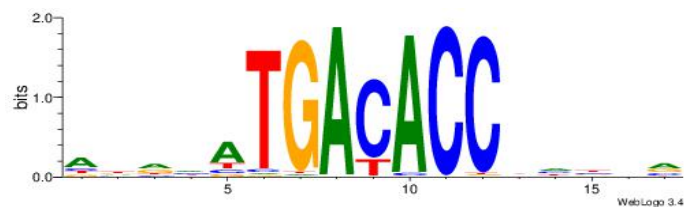
Motif ID: [UP00199](#)
 Motif name: Six4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0477024

Alignment:

BBVHVGGTGTCTHDDT
 ----TAGTTTYAKCTTT

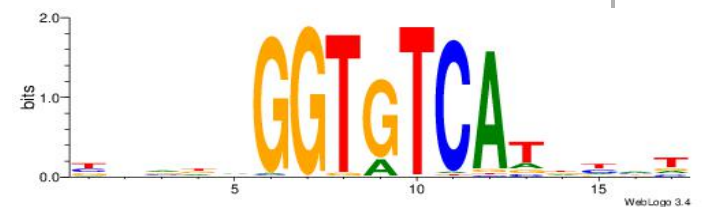
Original motif

Consensus sequence: ADDHATGACACCBHBBV



Reverse complement motif

Consensus sequence: BBVHVGGTGTCTHDDT



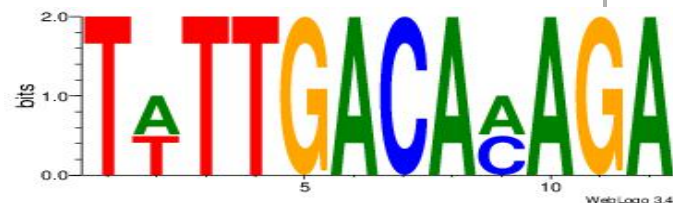
Dataset #: 1 Motif ID: 16 Motif name: Motif 16

Original motif

Consensus sequence: TCTKTGTCAAWA

Reverse complement motif

Consensus sequence: TWTTGACAYAGA



Best Matches for Motif ID 16 (Highest to Lowest)

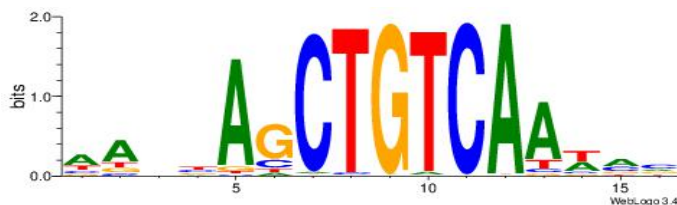
Motif ID: [UP00258](#)
 Motif name: Tgif2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.00294541

Alignment:

VBWTTGACAGCTVBTT
 -TWTTGACAYAGA---

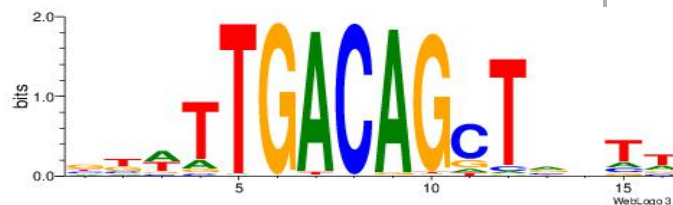
Original motif

Consensus sequence: AABGAGCTGTCAAWV



Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT



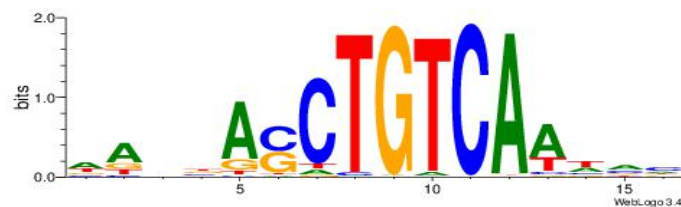
Motif ID: [UP00210](#)
 Motif name: Mrg2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.00709656

Alignment:

DBHTTGACAGSTVDTD
 -TWTTGACAYAGA---

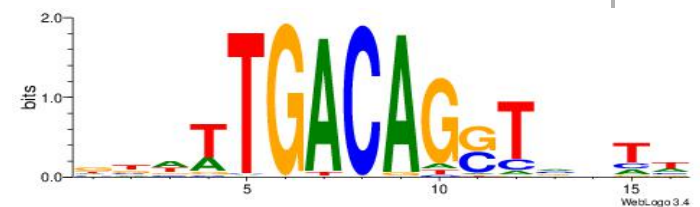
Original motif

Consensus sequence: DADBASCTGTCAAHVH



Reverse complement motif

Consensus sequence: DBHTTGACAGSTVDTD



Motif ID: [UP00186](#)
 Motif name: Meis1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4

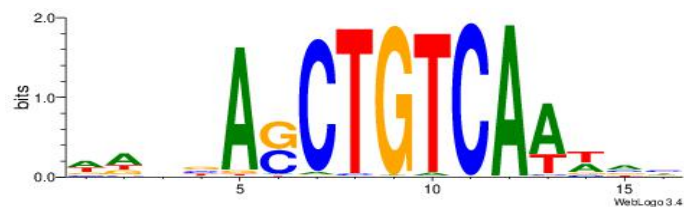
Number of overlap: 12
Similarity score: 0.00883873

Alignment:

WAVBASCTGTCAAWVH
---TCTKTGTCAAWA-

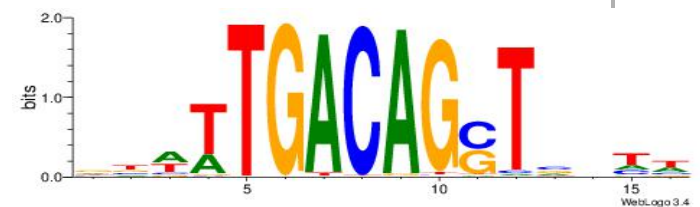
Original motif

Consensus sequence: WAVBASCTGTCAAWVH



Reverse complement motif

Consensus sequence: DBWTTGACAGSTBVTW



Motif ID: [UP00226](#)
Motif name: Mrg1
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: 0.00900015

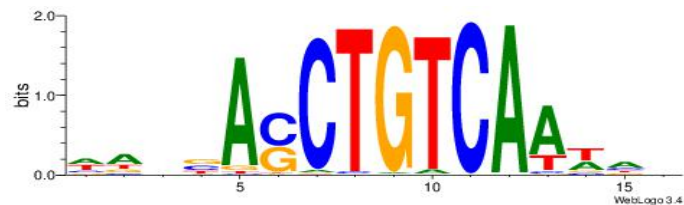
Alignment:

WAVBASCTGTCAAWHB
---TCTKTGTCAAWA-

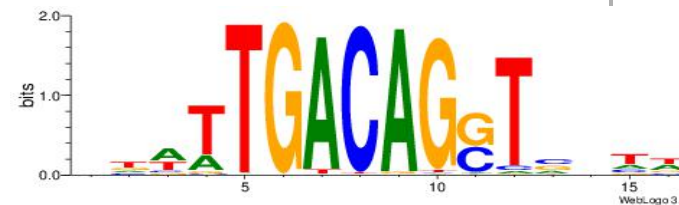
Original motif

Reverse complement motif

Consensus sequence: WAVBASCTGTCAAWHB



Consensus sequence: BHWTTGACAGSTBBTW



Motif ID: [UP00122](#)
Motif name: Tgif1
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: 0.0128037

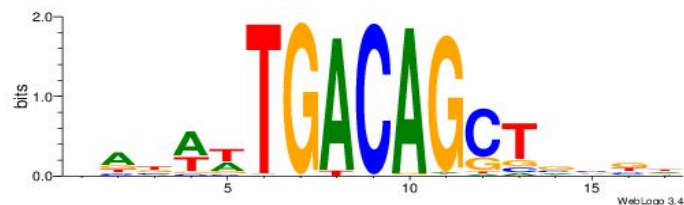
Alignment:

DABWWTGACAGCTVVBD

--TWTGACAYAGA---

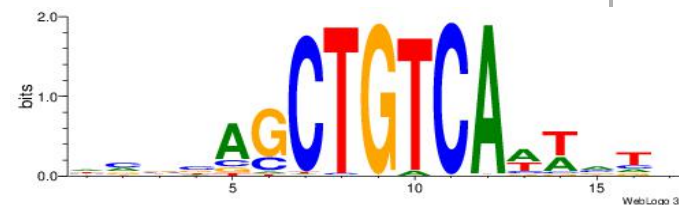
Original motif

Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



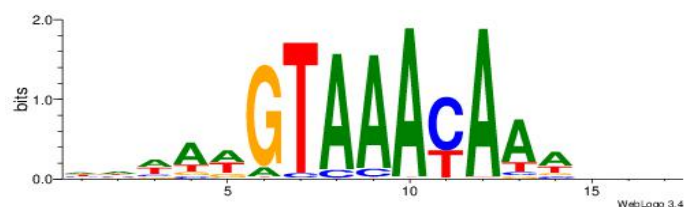
Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0145754

Alignment:

BDVTTTKTTTACWTWHH
 -----TWTGACAYAGA

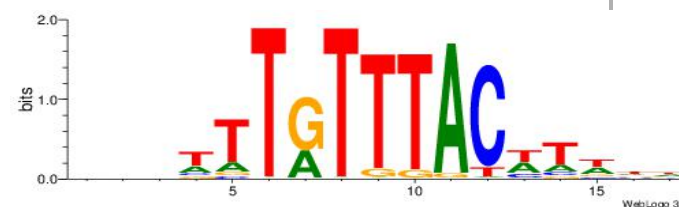
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



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: 4
 Number of overlap: 12

Similarity score: 0.0147372

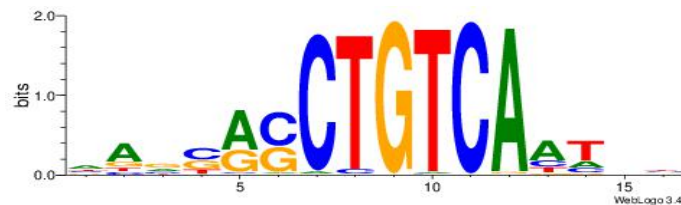
Alignment:

VHATTGACAGSKSVTH

-TWTTGACAYAGA---

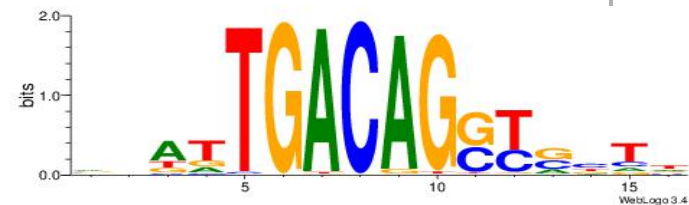
Original motif

Consensus sequence: HAVSRCTGTCAATHB



Reverse complement motif

Consensus sequence: VHATTGACAGSKSVTH



Motif ID: [UP00203](#)
Motif name: Pknox1
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: 0.0147793

Alignment:

DRVSASCTGTCAAWVV

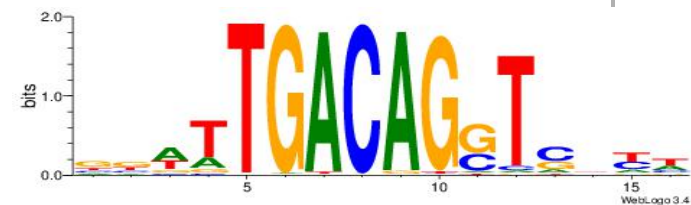
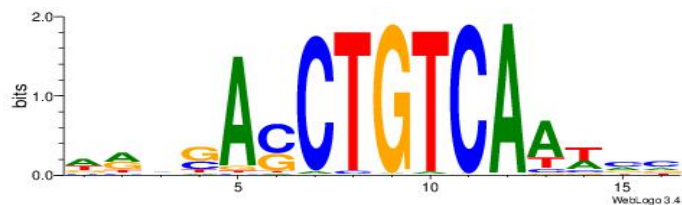
---TCTKTGTCAAWA-

Original motif

Consensus sequence: DRVSASCTGTCAAWVV

Reverse complement motif

Consensus sequence: VVWTTGACAGSTSBKD

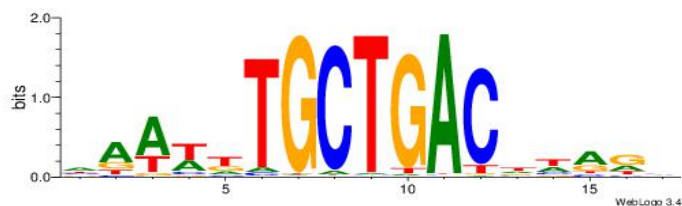


Motif ID: [UP00045](#)
 Motif name: Mafb_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0150474

Alignment:
 DMTWDGTCAGCADWTTH
 -----TWTTGACAYAGA

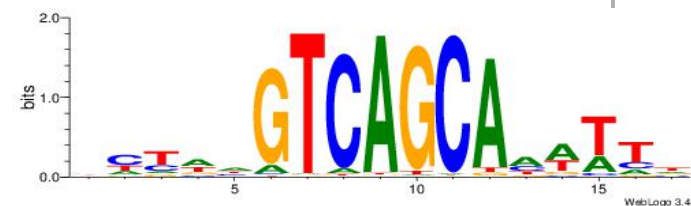
Original motif

Consensus sequence: HAAWDTGCTGACDWARH



Reverse complement motif

Consensus sequence: DMTWDGTCAGCADWTTH



Motif ID: [UP00103](#)
 Motif name: Jundm2_secondary

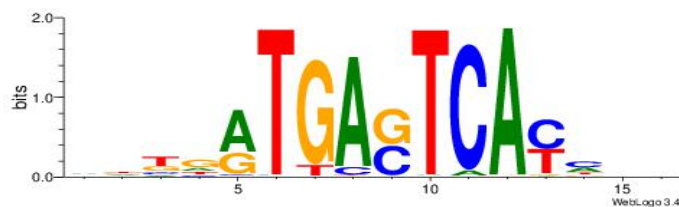
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0167106

Alignment:

HDDKTGASTCAKHRDB
 -TWTTGACAYAGA---

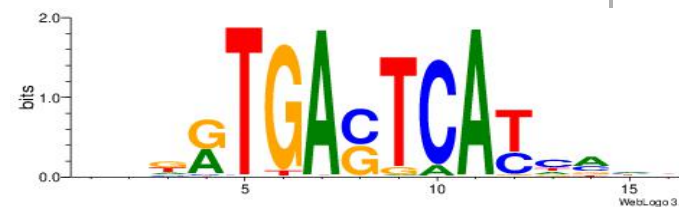
Original motif

Consensus sequence: VDKDRTGASTCAYHDH



Reverse complement motif

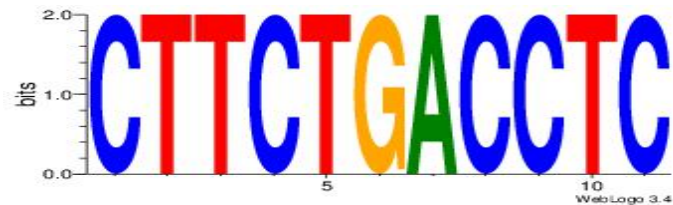
Consensus sequence: HDDKTGASTCAKHRDB



Dataset #: 1 **Motif ID: 17** **Motif name: Motif 17**

Original motif

Consensus sequence: CTTCTGACCTC



Reverse complement motif

Consensus sequence: GAGGTCAGAAG



Best Matches for Motif ID 17 (Highest to Lowest)

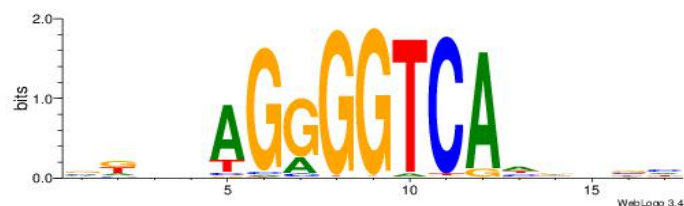
Motif ID: [UP00079](#)
Motif name: Esrra_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 11
Similarity score: 0

Alignment:

VKBBAGGGGTCAHDBBH
-----GAGGTCAGAAG--

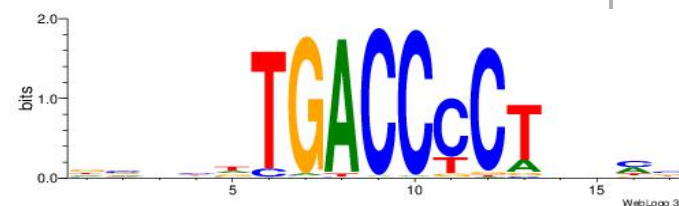
Original motif

Consensus sequence: VKBBAGGGGTCAHDBBH



Reverse complement motif

Consensus sequence: DBBHHTGACCCCTBBYV



Motif ID: [UP00045](#)
Motif name: Mafb_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement

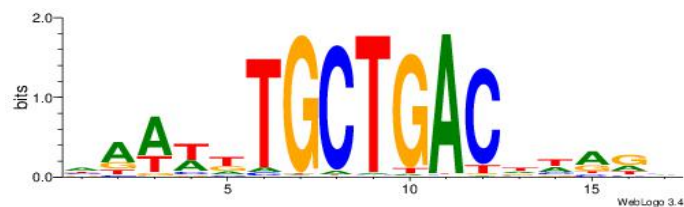
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	11
Similarity score:	0.00315419

Alignment:

```
DMTWDGTCAGCADWTTH
--GAGGTCAGAAG----
```

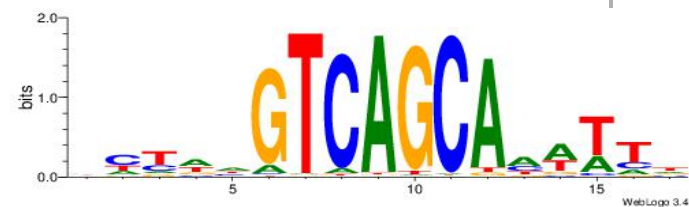
Original motif

Consensus sequence: HAAWDTGCTGACDWARH



Reverse complement motif

Consensus sequence: DMTWDGTCAGCADWTTH



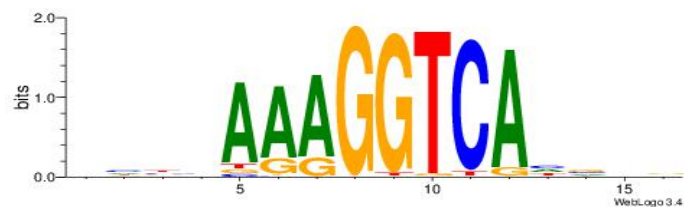
Motif ID:	UP00009
Motif name:	Nr2f2_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	11
Similarity score:	0.00435047

Alignment:

```
BHVDTGACCTTTDVDD
-----GAGGTCAGAAG
```

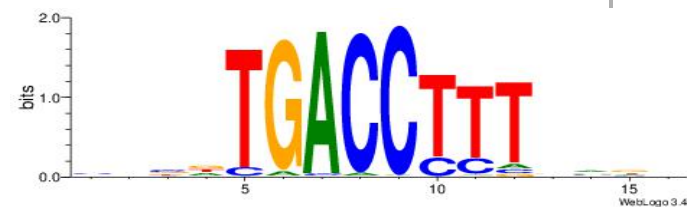
Original motif

Consensus sequence: DHBHAAAGGTCAHVHB



Reverse complement motif

Consensus sequence: BHVDTGACCTTTDVDD



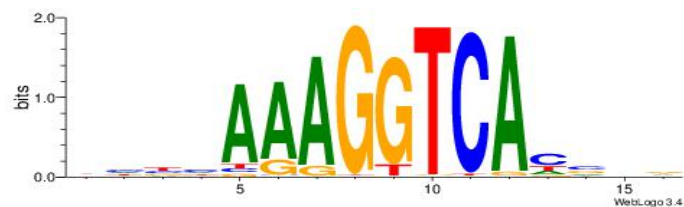
Motif ID: [UP00048](#)
Motif name: Rara
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.00499607

Alignment:

HHVGTGACCTTTDVDD
-----GAGGTCAGAAG

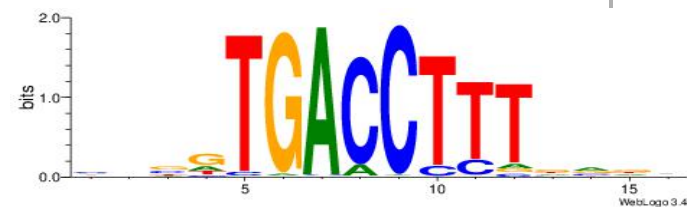
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD



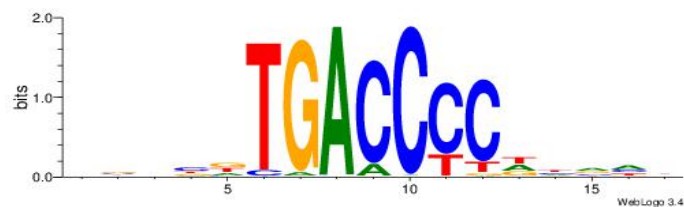
Motif ID: [UP00053](#)
 Motif name: Rxra_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.00503678

Alignment:

DBHBDTGACCCCDHVHB
 -CTTCTGACCTC-----

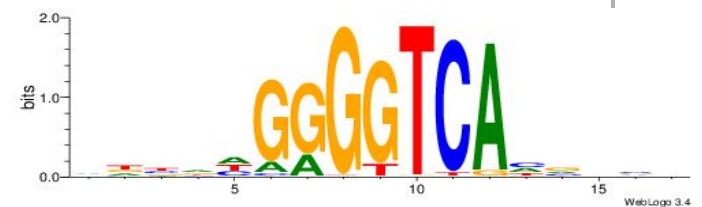
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHD



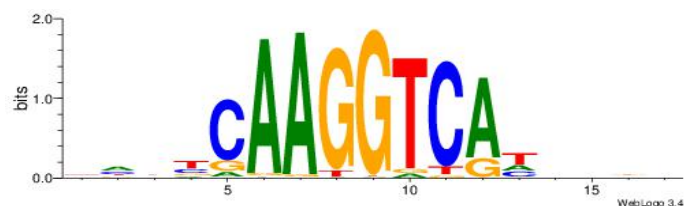
Motif ID: [UP00079](#)
 Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2

Number of overlap: 11
Similarity score: 0.00855607

Alignment:
HHBVHTGACCTTGVDHD
-CTTCTGACCTC-----

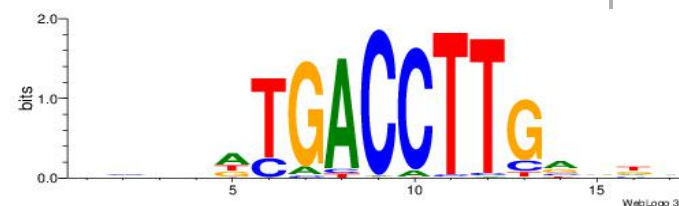
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



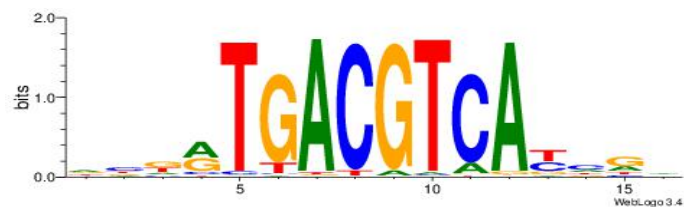
Motif ID: [UP00020](#)
Motif name: Atf1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0106472

Alignment:
DMDMTGACGTCAKHBD
-----GAGGTCAGAAG

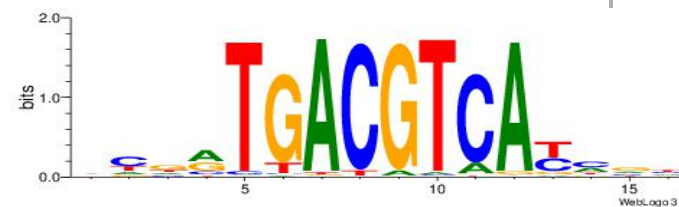
Original motif

Reverse complement motif

Consensus sequence: DBDRTGACGTCAYHRD



Consensus sequence: DMDMTGACGTCAKHBD



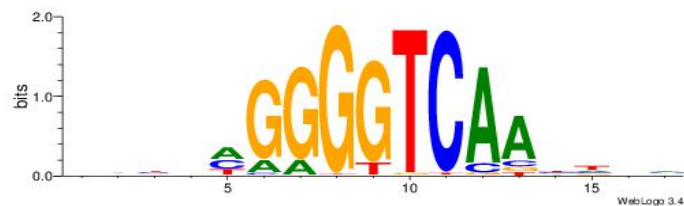
Motif ID: [UP00066](#)
Motif name: Hnf4a_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0108194

Alignment:

BDBVMGGGGTCAABHDV
-----GAGGTCAGAAG--

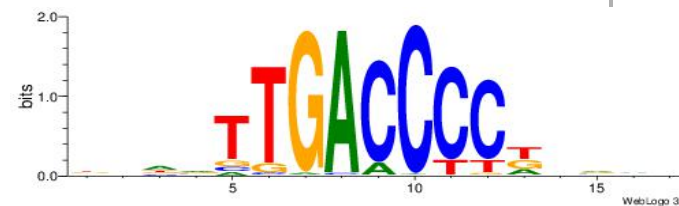
Original motif

Consensus sequence: BDBVMGGGGTCAABHDV



Reverse complement motif

Consensus sequence: BHHVTTGACCCCYVVDB



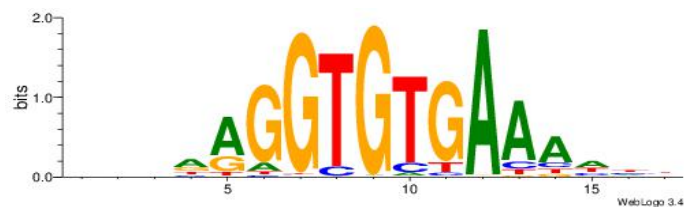
Motif ID: [UP00068](#)
 Motif name: Eomes_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0131175

Alignment:

BVHDAGGTGTGAAHHH
 ---GAGGTCAGAAG---

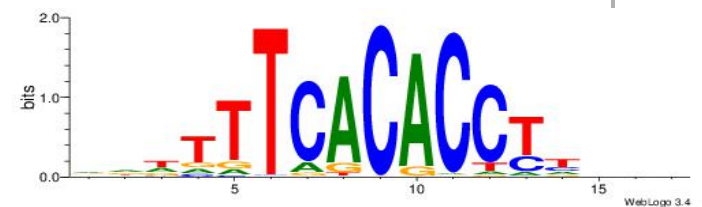
Original motif

Consensus sequence: BVHDAGGTGTGAAHHH



Reverse complement motif

Consensus sequence: HHHTTTCACACCTDHBV



Motif ID: [UP00103](#)
 Motif name: Jundm2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6

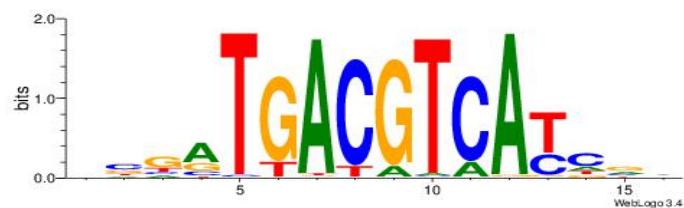
Number of overlap: 11
Similarity score: 0.0132197

Alignment:

HVGMTGACGTCATCBB
CTTCTGACCTC-----

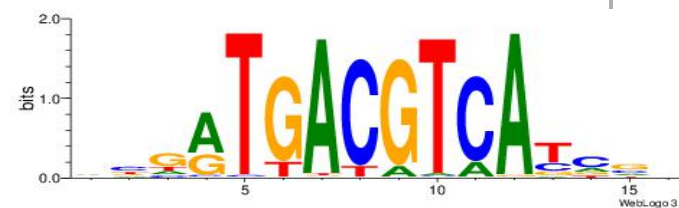
Original motif

Consensus sequence: BBGATGACGTCA



Reverse complement motif

Consensus sequence: HVGMTGACGTCATCBB



Dataset #: 1 **Motif ID: 18** **Motif name: Motif 18**

Original motif

Consensus sequence: CAAAGTCCAGC



Reverse complement motif

Consensus sequence: GCTGGACTTTG



Best Matches for Motif ID 18 (Highest to Lowest)

Motif ID: [UP00066](#)
Motif name: Hnf4a_secondary
Species: Mus musculus

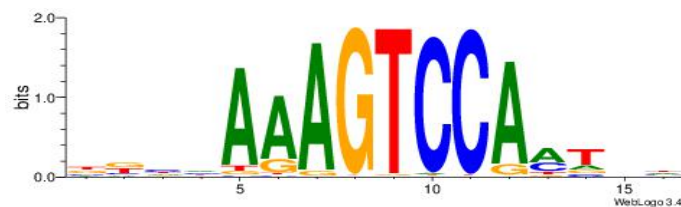
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	11
Similarity score:	0

Alignment:

```
HHAYTGGACTTTTHDBV
--GCTGGACTTTG---
```

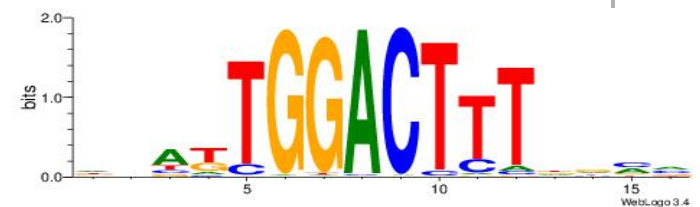
Original motif

Consensus sequence: BBHHAAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTTHDBV



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:	3
Number of overlap:	11
Similarity score:	0.0313848

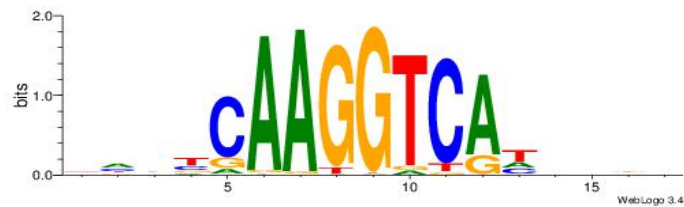
Alignment:

HHBVHTGACCTTGVDHD

--GCTGGACTTTG----

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:	Backward
Position number:	3
Number of overlap:	11
Similarity score:	0.0347594

Alignment:

DHBHAAAGGTCACVHD

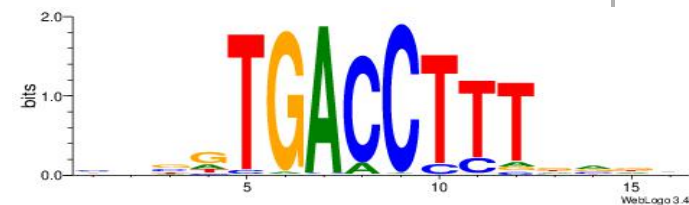
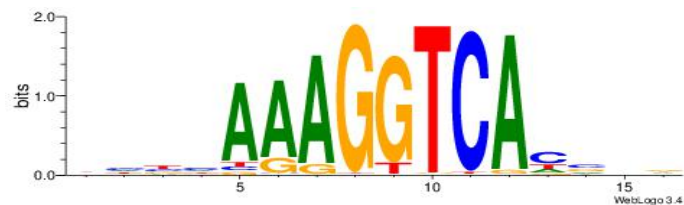
---CAAAGTCCAGC--

Original motif

Consensus sequence: DHBHAAAGGTCACVHD

Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD

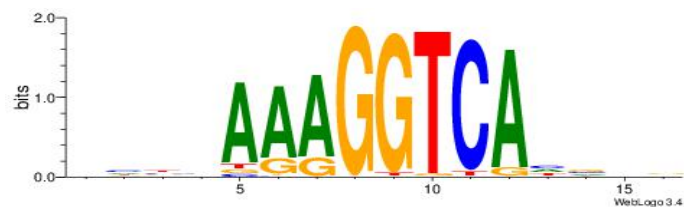


Motif ID: [UP00009](#)
 Motif name: Nr2f2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0448871

Alignment:
 DHBHAAAGGTCAHVHB
 ---CAAAGTCCAGC--

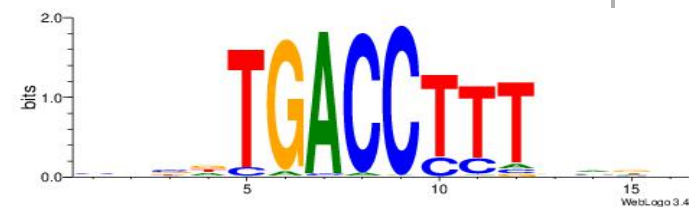
Original motif

Consensus sequence: DHBHAAAGGTCAHVHB



Reverse complement motif

Consensus sequence: BHVDTGACCTTTDVDD



Motif ID: [UP00538](#)

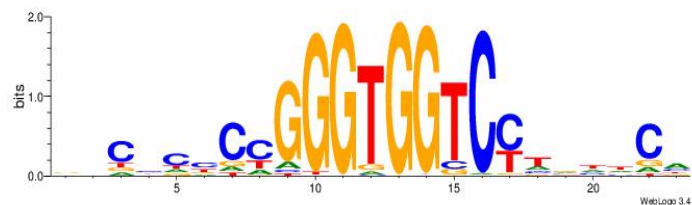
Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10
 Number of overlap: 11
 Similarity score: 0.0461676

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
 -----GCTGGACTTTG---

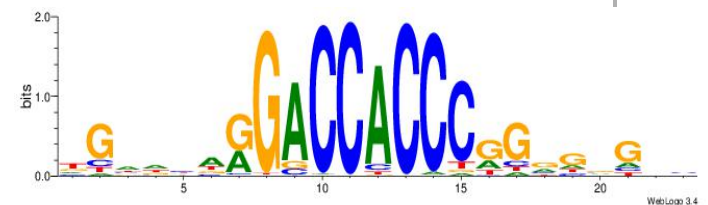
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB

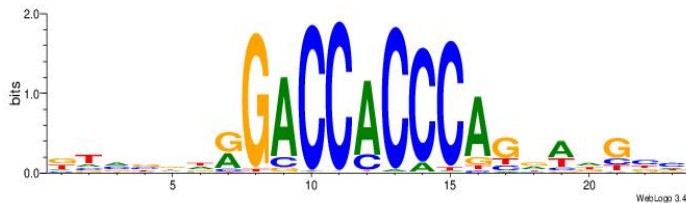


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 11

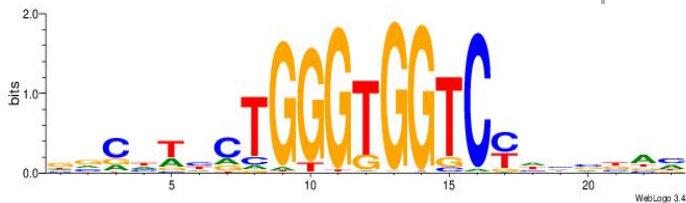
Similarity score: 0.0468432

Alignment:
DTVBD DRGACCACCCAGDWDGBH
---CAAAGTCCAGC-----

Original motif
Consensus sequence: DTVBD DRGACCACCCAGDWDGBH



Reverse complement motif
Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH

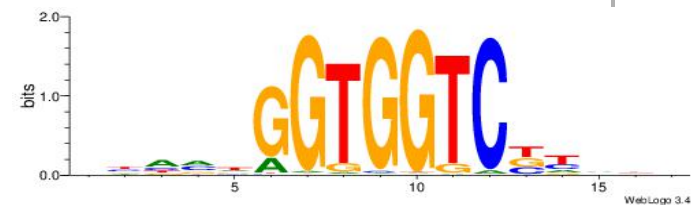
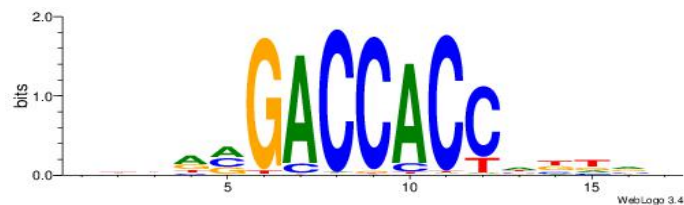


Motif ID: [UP00047](#)
Motif name: Zbtb7b_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 11
Similarity score: 0.0474554

Alignment:
BBDVHGGTGGTCBKDDDB
-----GCTGGACTTTG-

Original motif
Consensus sequence: BDDRVGACCACCHBDVB

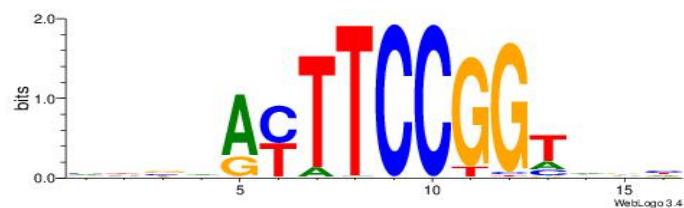
Reverse complement motif
Consensus sequence: BBDVHGGTGGTCBKDDDB



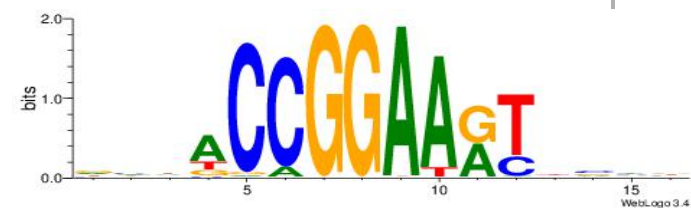
Motif ID: [UP00416](#)
 Motif name: Fli1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0475257

Alignment:
 DHDACCGGAAKTBBVV
 ---GCTGGACTTTG--

Original motif
 Consensus sequence: VBBVAYTTCCGGTDDH



Reverse complement motif
 Consensus sequence: DHDACCGGAAKTBBVV



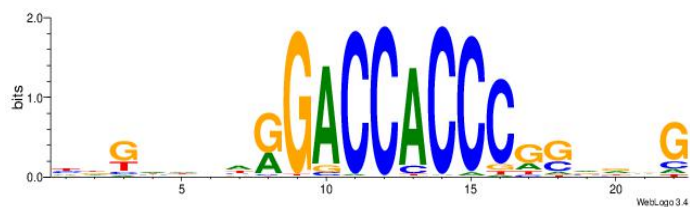
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0476315

Alignment:

HDGHHBHRGACCACCCGSVDVG
 ----CAAAGTCCAGC-----

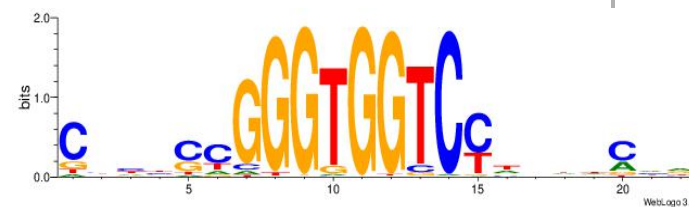
Original motif

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: 9

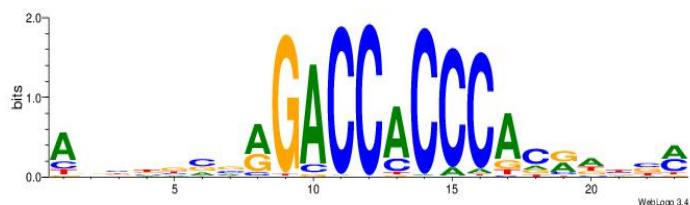
Number of overlap: 11
Similarity score: 0.0492402

Alignment:

ABBBBVVRGACCACCCACRDBBM
-----CAAAGTCCAGC-----

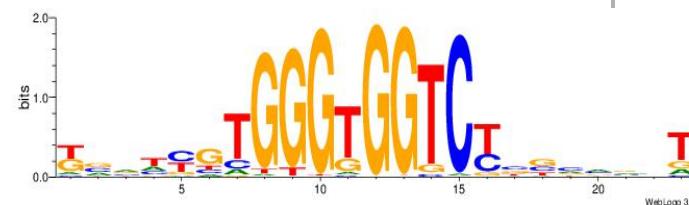
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMGTGGGTGGTCKVVBVBBT



Dataset #: 1 **Motif ID: 19** **Motif name: Motif 19**

Original motif

Consensus sequence: AGAGAAAG



Reverse complement motif

Consensus sequence: CTTTCTCT



Best Matches for Motif ID 19 (Highest to Lowest)

Motif ID: [UP00101](#)
Motif name: Sox12_secondary
Species: Mus musculus

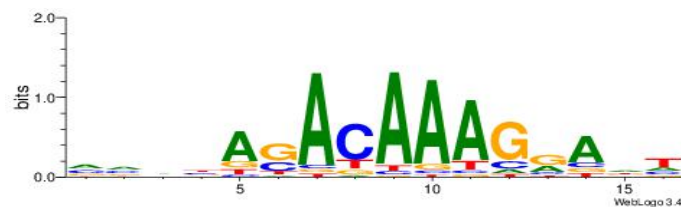
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	8
Similarity score:	0

Alignment:

```
VVDBASACAAAGRADH
----AGAGAAAG----
```

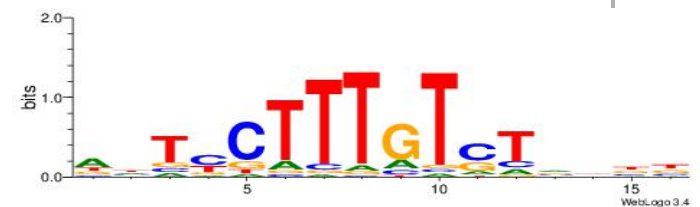
Original motif

Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



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:	4
Number of overlap:	8
Similarity score:	0.00218499

Alignment:

VAAAGMGGAAAGTWD

---AGAGAAAG---

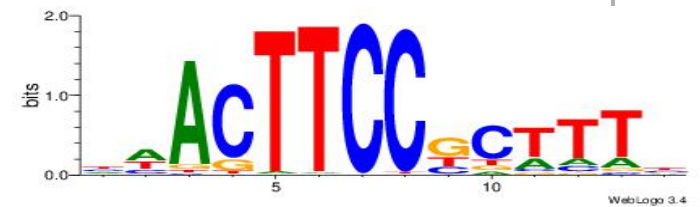
Original motif

Consensus sequence: VAAAGMGGAAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRCTTTB



Motif ID:

[UP00074](#)

Motif name:

Isgf3g_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:

0.0130365

Alignment:

TDAGTTTCGWTTKDV

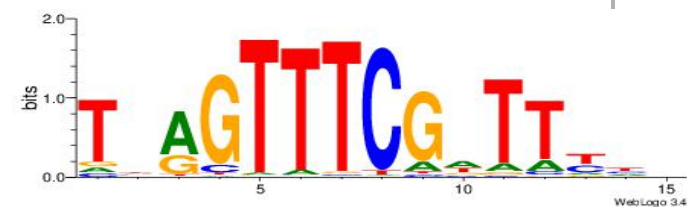
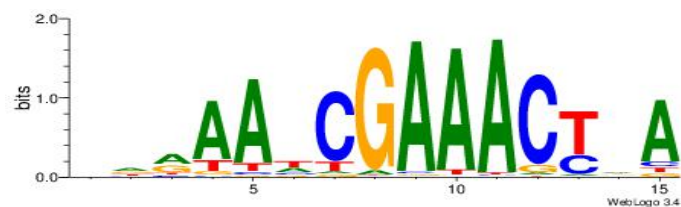
---CTTTCTCT----

Original motif

Consensus sequence: VDRAAWCGAAACTDA

Reverse complement motif

Consensus sequence: TDAGTTTCGWTTKDV



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: 4
 Number of overlap: 8
 Similarity score: 0.013531

Alignment:
 BDAWGVGGAAGTDH
 ---AGAGAAAG---

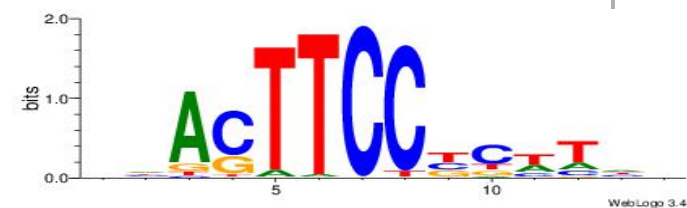
Original motif

Consensus sequence: BDAWGVGGAAGTDH



Reverse complement motif

Consensus sequence: HDACTTCBCWTDV



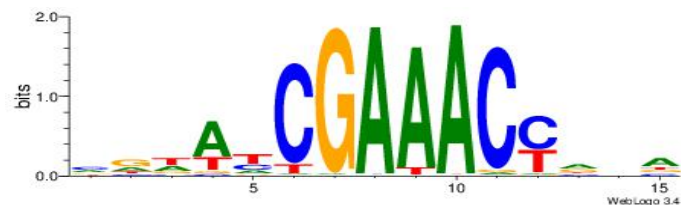
Motif ID: [UP00018](#)

Motif name: Irf4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0150506

Alignment:
 TBDKGTTTCGMTDHV
 ----CTTCTCT---

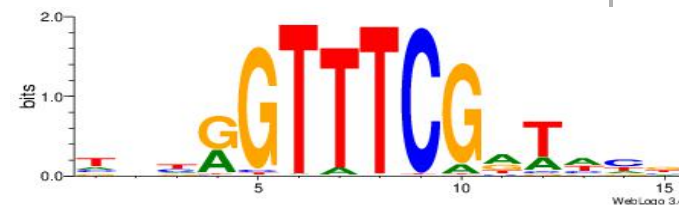
Original motif

Consensus sequence: VDDAYCGAAACYDVA



Reverse complement motif

Consensus sequence: TBDKGTTTCGMTDHV



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: 8

Similarity score: 0.0153654

Alignment:

BWAHSMGGAAGTWD

---AGAGAAAG---

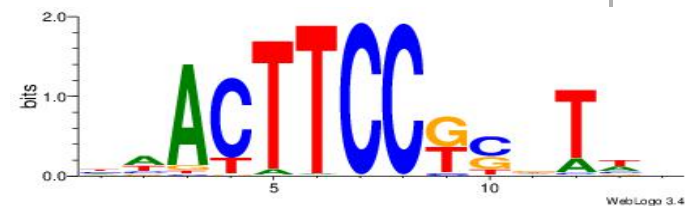
Original motif

Consensus sequence: BWAHSMGGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRSDTWV



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: 8
Number of overlap: 8
Similarity score: 0.0177379

Alignment:

BDHDDADAGATAAGADHBDHVD

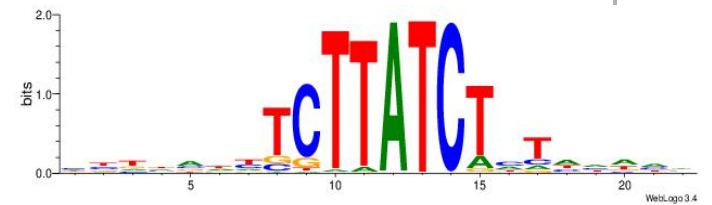
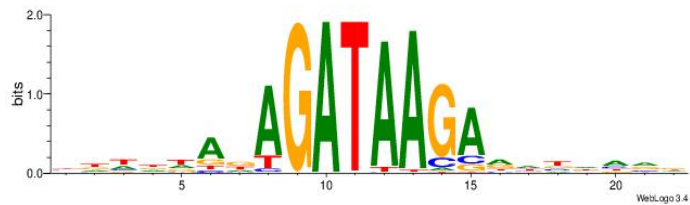
-----AGAGAAAG-----

Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD

Reverse complement motif

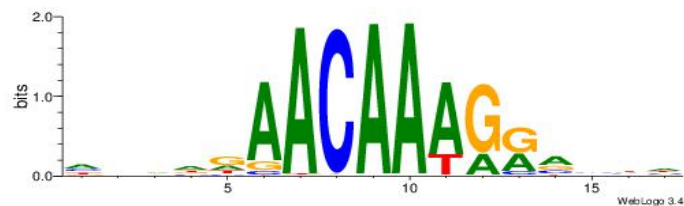
Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



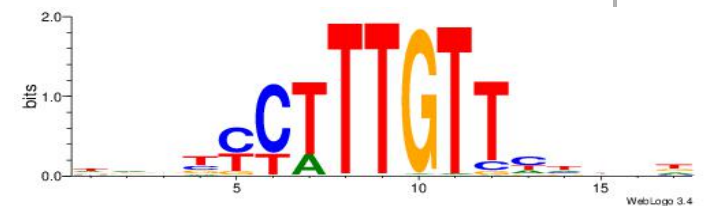
Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.017774

Alignment:
 HBDDDAACAAAGRVBHH
 ----AGAGAAAG-----

Original motif
 Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif
 Consensus sequence: HHBBMCTTTGTTHDDBH



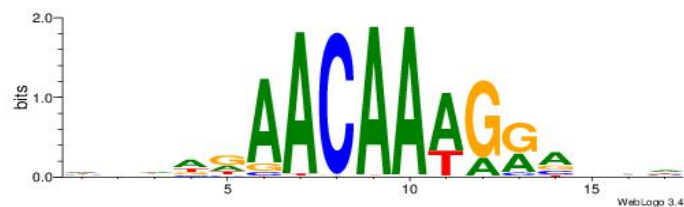
Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.019138

Alignment:

HBDDRAACAAAGRABHH
 ----AGAGAAAG-----

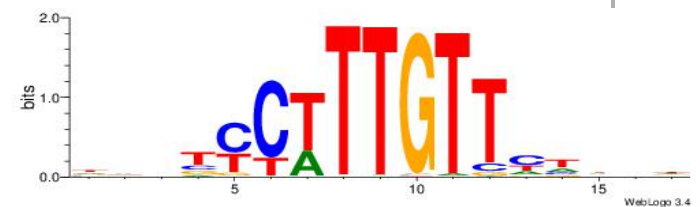
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



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

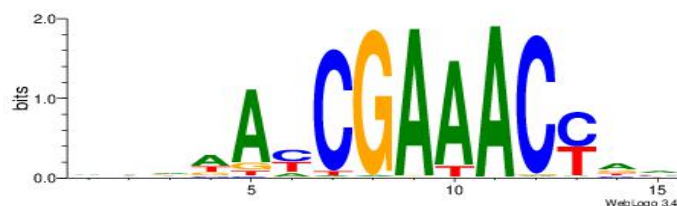
Number of overlap: 8
Similarity score: 0.0202543

Alignment:

BDKGTTCGKTWDDD
---CTTTCTCT----

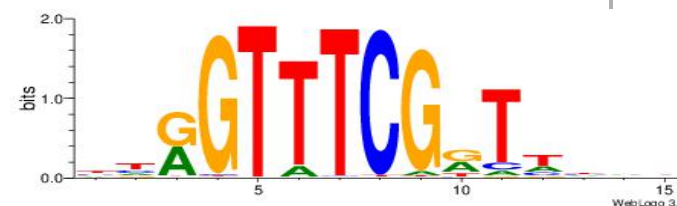
Original motif

Consensus sequence: DDDWAYCGAAACYDV



Reverse complement motif

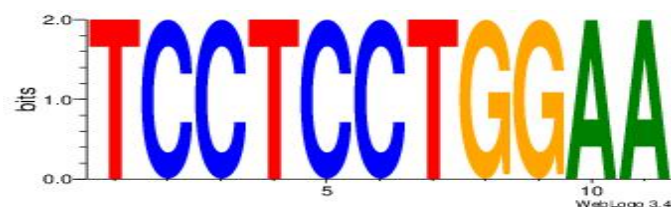
Consensus sequence: BDKGTTCGKTWDDD



Dataset #: 1 **Motif ID: 20** **Motif name: Motif 20**

Original motif

Consensus sequence: TCCTCCTGGAA



Reverse complement motif

Consensus sequence: TTCCAGGAGGA



Best Matches for Motif ID 20 (Highest to Lowest)

Motif ID: [UP00050](#)
Motif name: Bhlhb2_secondary
Species: Mus musculus

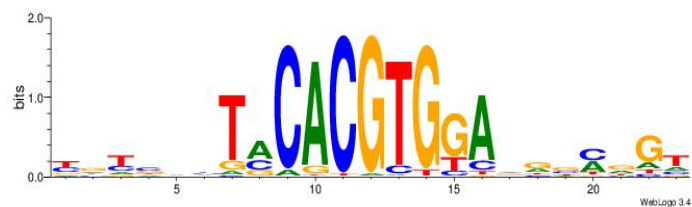
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	8
Number of overlap:	11
Similarity score:	0.0142508

Alignment:

```
YDYBDHTMCACGTGGADDBMDGT
-----TTCCAGGAGGA-----
```

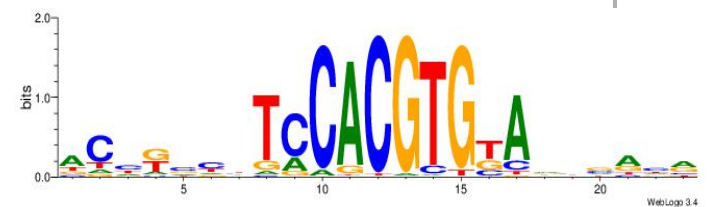
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



Motif ID:	UP00043
Motif name:	Bcl6b_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:	0.0219794

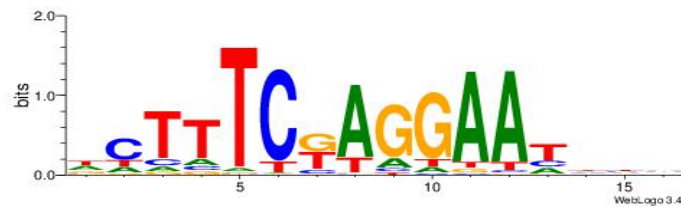
Alignment:

VHHATTCCTYGAAAGD

--TCCTCCTGGAA--

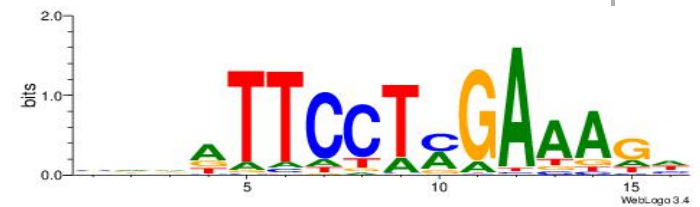
Original motif

Consensus sequence: DCTTTCKAGGAATHHV



Reverse complement motif

Consensus sequence: VHHATTCCTYGAAAGD



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:

Forward

Position number:

3

Number of overlap:

11

Similarity score:

0.0220915

Alignment:

DVHCCTGCTGBGDDDB

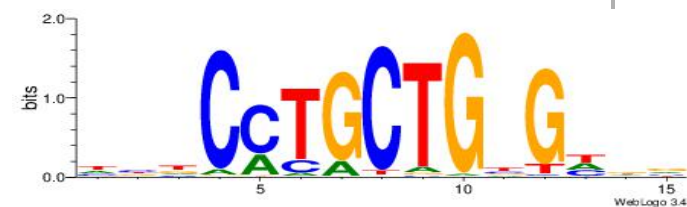
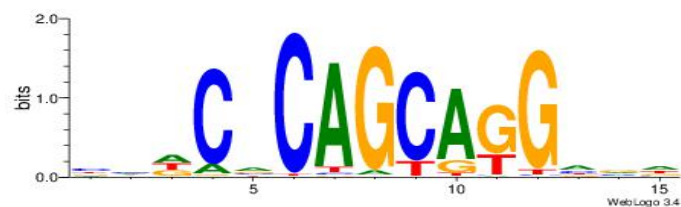
--TCCTCCTGGAA--

Original motif

Consensus sequence: BHDCVCAGCAGGHVD

Reverse complement motif

Consensus sequence: DVHCCTGCTGBGDDDB

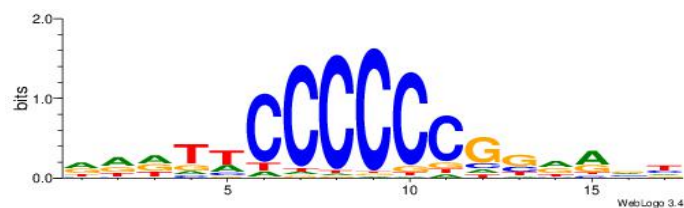


Motif ID: [UP00022](#)
 Motif name: Zfp740_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0240277

Alignment:
 DDDTWCCCCCGGDRVH
 ----TCCTCCTGGAA--

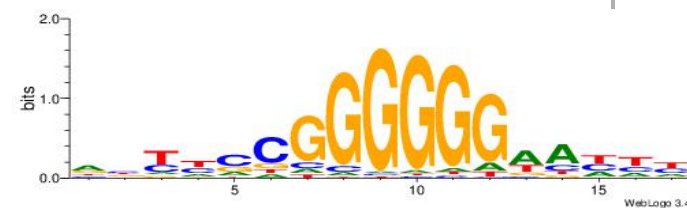
Original motif

Consensus sequence: DDDTWCCCCCGGDRVH



Reverse complement motif

Consensus sequence: HVKDCCGGGGGGWADDD



Motif ID: [UP00057](#)

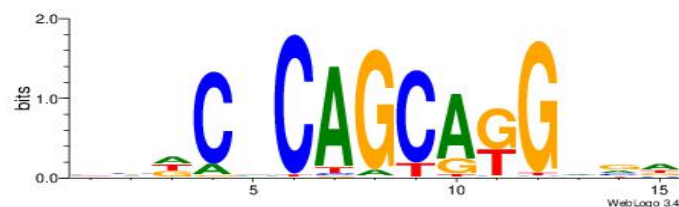
Motif name: Zic2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0255161

Alignment:

DVBCYTGCTGBGDDD
 --TCCTCCTGGAA--

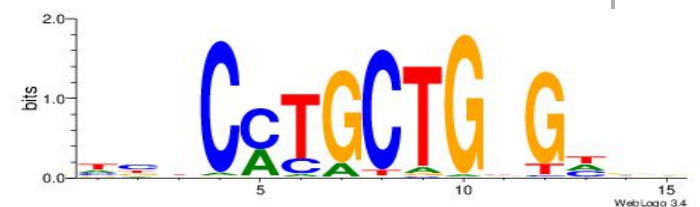
Original motif

Consensus sequence: HHDCVCAGCAKGVD



Reverse complement motif

Consensus sequence: DVBCYTGCTGBGDDD



Motif ID: [UP00420](#)
 Motif name: Elk3
 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

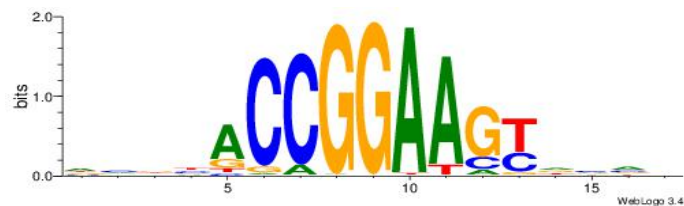
Similarity score: 0.0258834

Alignment:

VBVDMCTTCCGGTVBVD
-----TTCCAGGAGGA

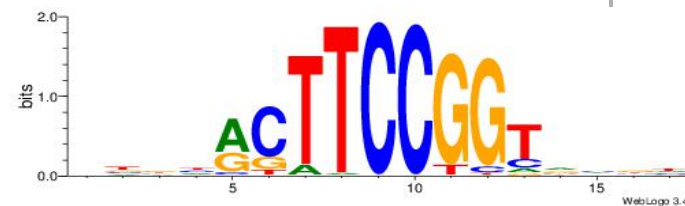
Original motif

Consensus sequence: DVBBACCGGAAGYDVVV



Reverse complement motif

Consensus sequence: VBVDMCTTCCGGTVBVD



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: 3
Number of overlap: 11
Similarity score: 0.0261265

Alignment:

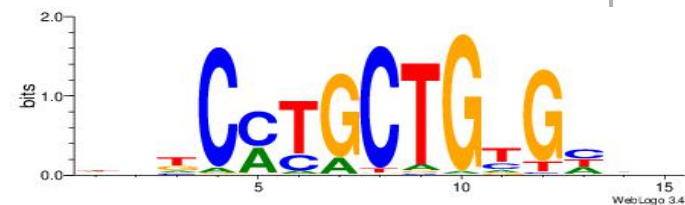
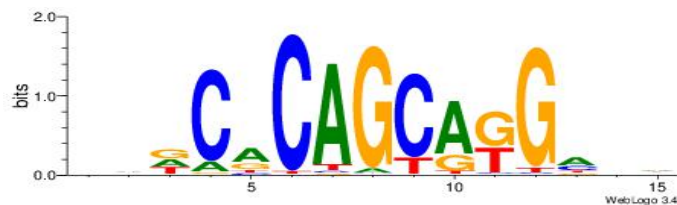
DVHCYTGCTGTGHDH
--TCCTCCTGGAA--

Original motif

Consensus sequence: DDDCACAGCAKGHVD

Reverse complement motif

Consensus sequence: DVHCYTGCTGTGHDH



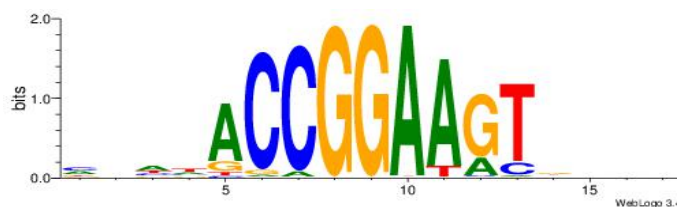
Motif ID: [UP00013](#)
 Motif name: Gabpa_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0280194

Alignment:

BHHHACTTCCGGTHHBD
 -----TTCCAGGAGGA

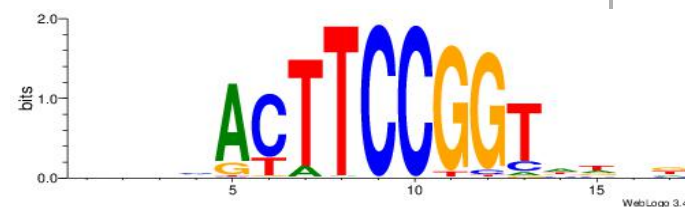
Original motif

Consensus sequence: HVHHACCGGAAGTDHHV



Reverse complement motif

Consensus sequence: BHHHACTTCCGGTHHBD



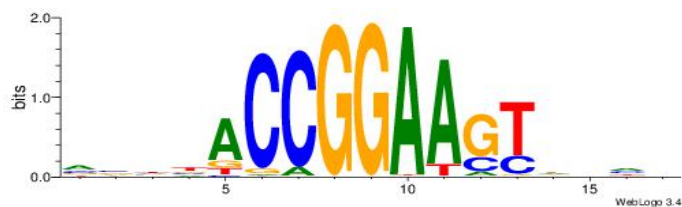
Motif ID: [UP00410](#)
 Motif name: Elk1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0292751

Alignment:

DHBD ACTTCCGGTVHVB
 -----TTCCAGGAGGA

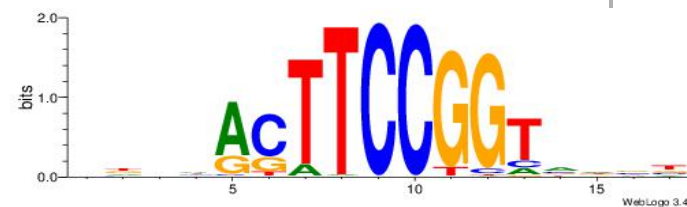
Original motif

Consensus sequence: VVHBACCGGAAGTDBHD



Reverse complement motif

Consensus sequence: DHBD ACTTCCGGTVHVB



Motif ID: [UP00183](#)
 Motif name: Hoxa13
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

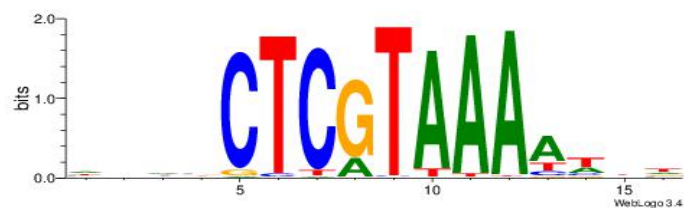
Number of overlap: 11
Similarity score: 0.0307181

Alignment:

HDHBCTCGTAAAWBD
--TCCTCCTGGAA---

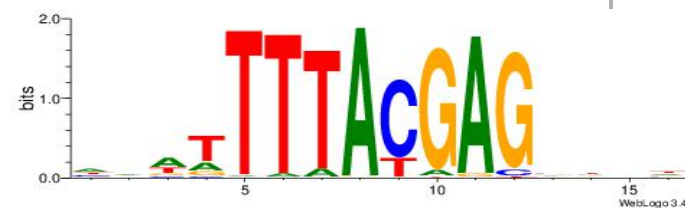
Original motif

Consensus sequence: HDHBCTCGTAAAWBD



Reverse complement motif

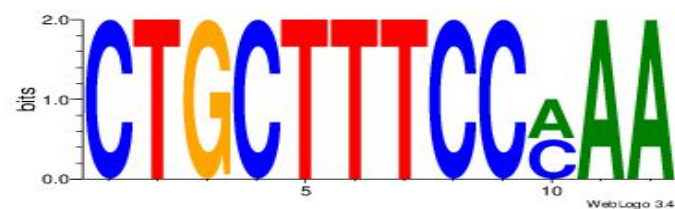
Consensus sequence: DVWTTTACGAGBHDH



Dataset #: 1 **Motif ID: 21** **Motif name: Motif 21**

Original motif

Consensus sequence: CTGCTTTCMAA



Reverse complement motif

Consensus sequence: TTYGGAAAGCAG



Best Matches for Motif ID 21 (Highest to Lowest)

Motif ID: [UP00018](#)
Motif name: Irf4_primary
Species: Mus musculus

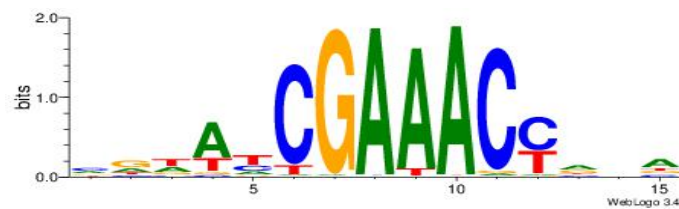
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	12
Similarity score:	0.0328573

Alignment:

```
TBDKGTTCGMTDHV
-CTGCTTCCMAA--
```

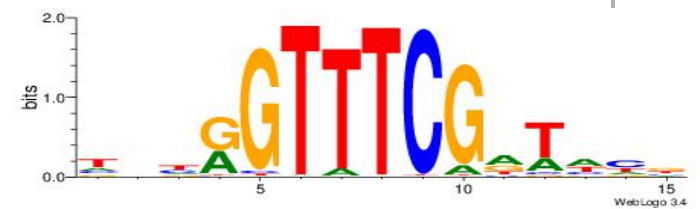
Original motif

Consensus sequence: VDDAYCGAAACYDVA



Reverse complement motif

Consensus sequence: TBDKGTTCGMTDHV



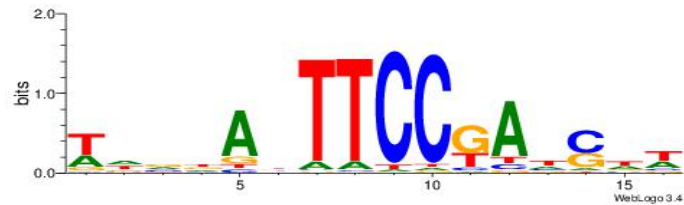
Motif ID:	UP00015
Motif name:	Ehf_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	12
Similarity score:	0.0339295

Alignment:

WDSHTYGGAAVTDVDW
---TTYGGAAAGCAG--

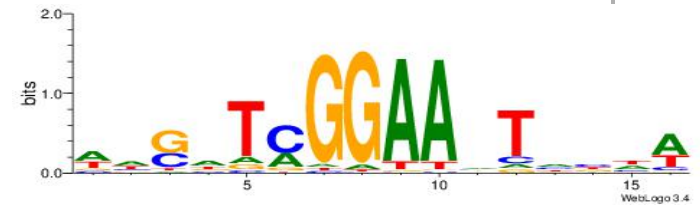
Original motif

Consensus sequence: WDVDABTTCKAHSDW



Reverse complement motif

Consensus sequence: WDSHTYGGAAVTDVDW



Motif ID:	UP00045
Motif name:	Mafb_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:	12
Similarity score:	0.0362612

Alignment:

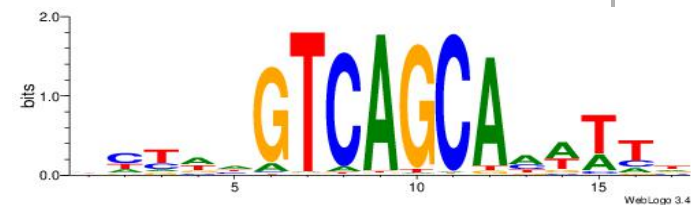
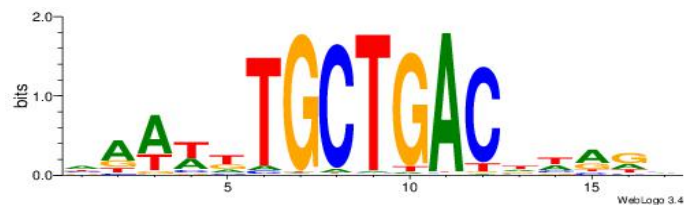
DMTWDGTCAGCADWTTH
-TTYGGAAAGCAG----

Original motif

Consensus sequence: HAAWDTGCTGACDWARH

Reverse complement motif

Consensus sequence: DMTWDGTCAGCADWTTH

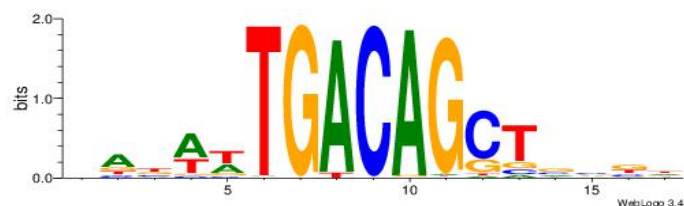


Motif ID: [UP00122](#)
 Motif name: Tgif1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0373175

Alignment:
 DBVVAGCTGTCAWWVTH
 ---CTGCTTTCCMAA--

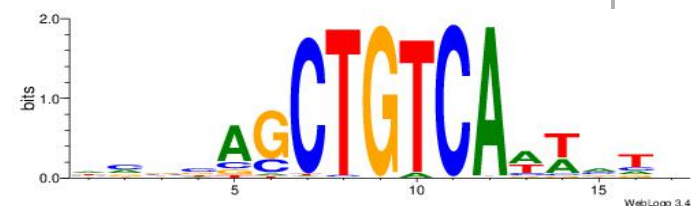
Original motif

Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



Motif ID: [UP00258](#)

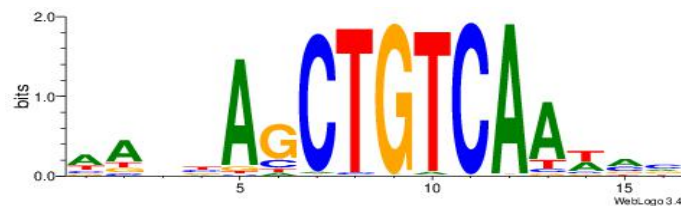
Motif name: Tgif2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0385167

Alignment:

AAB BAGCTGTCAAWVV
 ---CTGCTTTCCMAA-

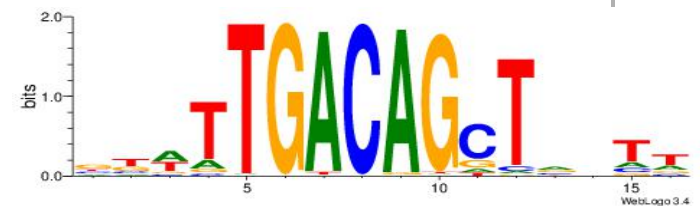
Original motif

Consensus sequence: AAB BAGCTGTCAAWVV



Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT



Motif ID: [UP00148](#)
 Motif name: Hdx
 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: 12

Similarity score: 0.0391678

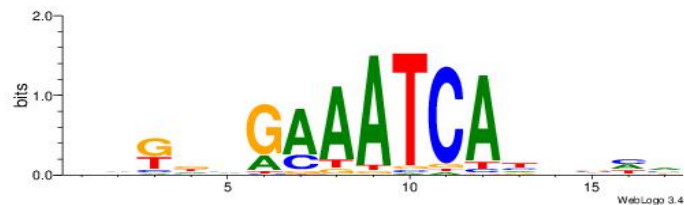
Alignment:

DDKDHGAAATCAHHBHV

-TTYGGAAAGCAG----

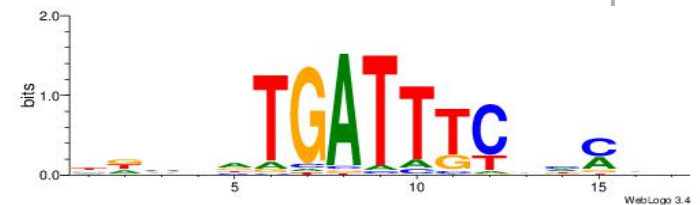
Original motif

Consensus sequence: DDKDHGAAATCAHHBHV



Reverse complement motif

Consensus sequence: BDBDHTGATTTCDHYDD



Motif ID: [UP00040](#)
Motif name: Irf5_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: 0.04057

Alignment:

DDWAYCGAAACYDV

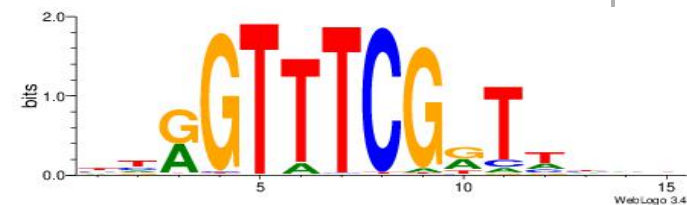
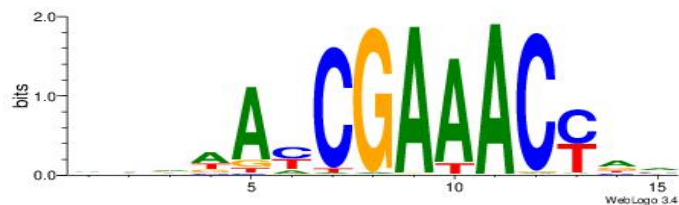
---TTYGGAAAGCAG

Original motif

Consensus sequence: DDDWAYCGAAACYDV

Reverse complement motif

Consensus sequence: BDGTTTCGKTWDDD

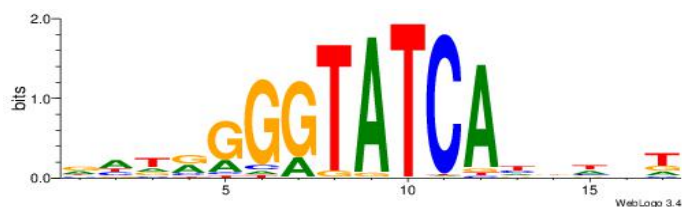


Motif ID: [UP00192](#)
 Motif name: Six1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0414168

Alignment:
 AVHDHTGATACCCMDHH
 ----CTGCTTTCCMAA-

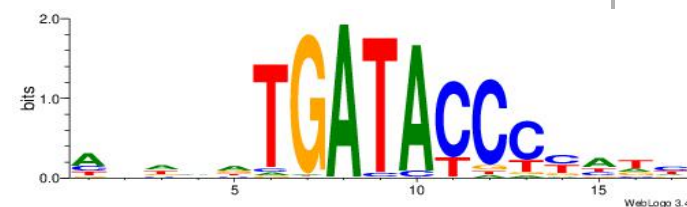
Original motif

Consensus sequence: DHDRGGGTATCAHDHBT



Reverse complement motif

Consensus sequence: AVHDHTGATACCCMDHH



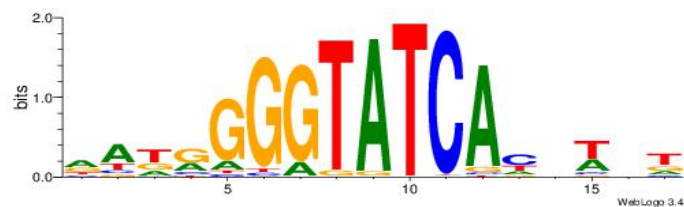
Motif ID: [UP00159](#)
 Motif name: Six2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0420524

Alignment:

AHWDGTGATACCCMRTD
 ----CTGCTTTCCMAA-

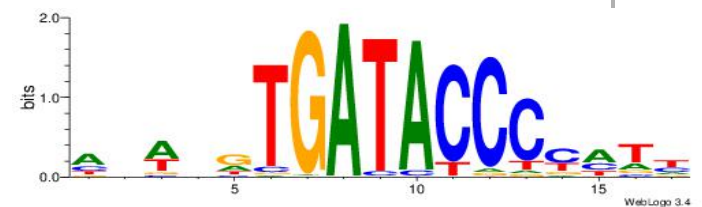
Original motif

Consensus sequence: DAKRGGGTATCACDWHT



Reverse complement motif

Consensus sequence: AHWDGTGATACCCMRTD



Motif ID: [UP00235](#)
 Motif name: Hoxc11
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5

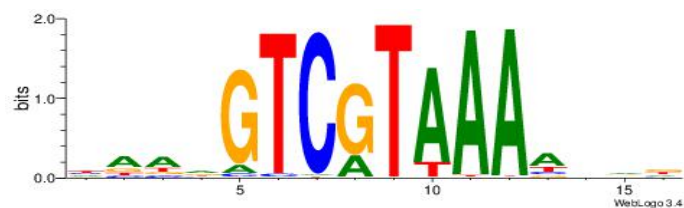
Number of overlap: 12
Similarity score: 0.0421437

Alignment:

HAADGTCGTAAAAHDD
----TTYGGAAAGCAG

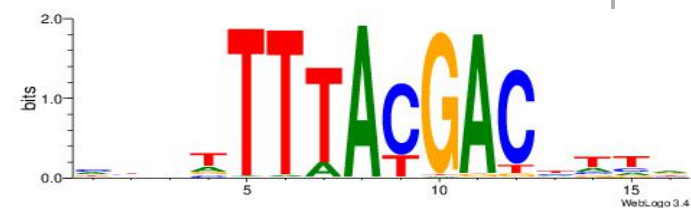
Original motif

Consensus sequence: HAADGTCGTAAAAHDD



Reverse complement motif

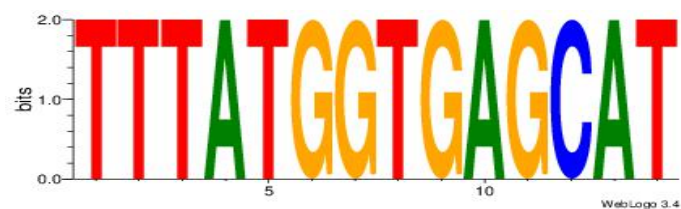
Consensus sequence: HDHTTTTACGACDTHH



Dataset #: 1 Motif ID: 22 Motif name: Motif 22

Original motif

Consensus sequence: TTTATGGTGAGCAT



Reverse complement motif

Consensus sequence: ATGCTCACCATAAA



Best Matches for Motif ID 22 (Highest to Lowest)

Motif ID: [UP00146](#)
Motif name: Pou6f1_3733.1
Species: Mus musculus

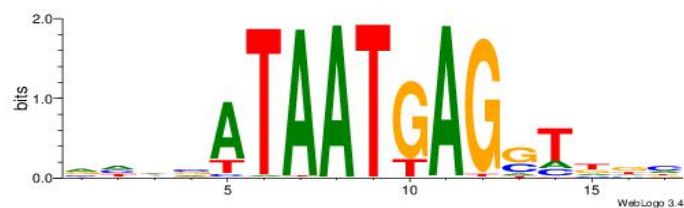
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	14
Similarity score:	0.0269204

Alignment:

```
DHDASCTCATTATVHHB
--ATGCTCACCATAAA--
```

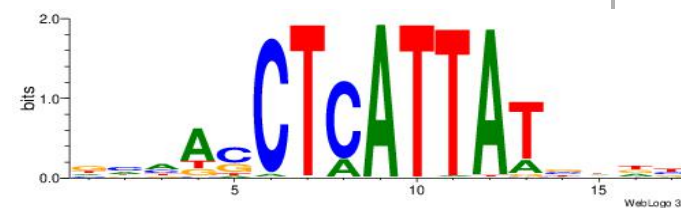
Original motif

Consensus sequence: VHHVATAATGAGSTDDH



Reverse complement motif

Consensus sequence: DHDASCTCATTATVHHB



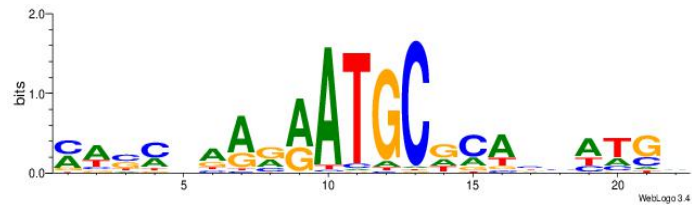
Motif ID:	UP00528
Motif name:	Foxm1_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	10
Number of overlap:	13
Similarity score:	0.511393

Alignment:

-DCATDBTGHGCATKMTTBR
TTTATGGTGAGCAT-----

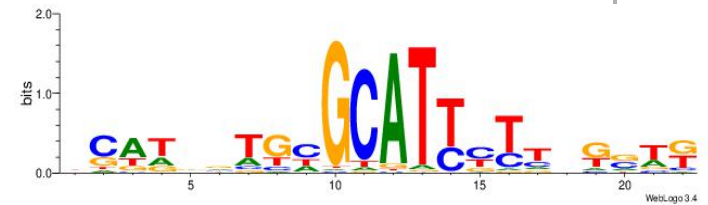
Original motif

Consensus sequence: MWSMBAARRATGCD
CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBR
SWR



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:	5
Number of overlap:	13
Similarity score:	0.520342

Alignment:

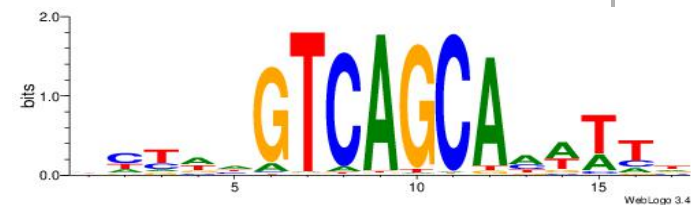
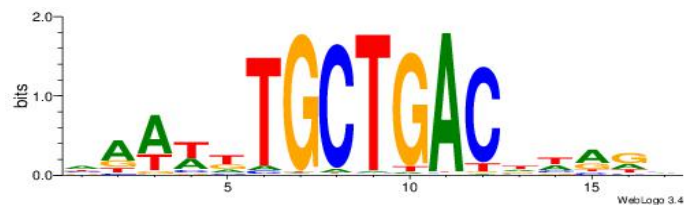
HAAWDTGCTGACDWARH-
----ATGCTCACCATAAA

Original motif

Consensus sequence: HAAWDTGCTGACDWARH

Reverse complement motif

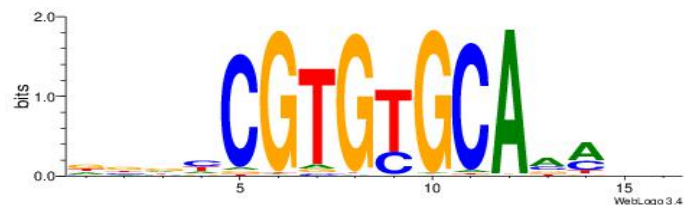
Consensus sequence: DMTWDGTCAGCADWTT
H



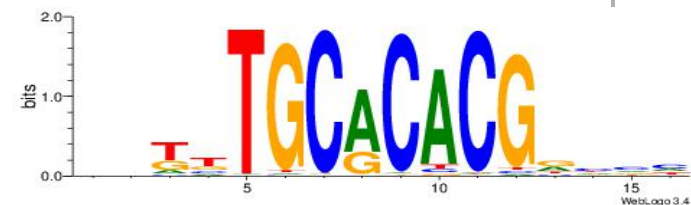
Motif ID: [UP00097](#)
 Motif name: Mtf1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.520462

Alignment:
 DBDHCGTGTGCAAMDH-
 -TTTATGGTGAGCAT--

Original motif
 Consensus sequence: DBDHCGTGTGCAAMDH



Reverse complement motif
 Consensus sequence: HDYTTGCACACGDH



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:	4
Number of overlap:	13
Similarity score:	0.524109

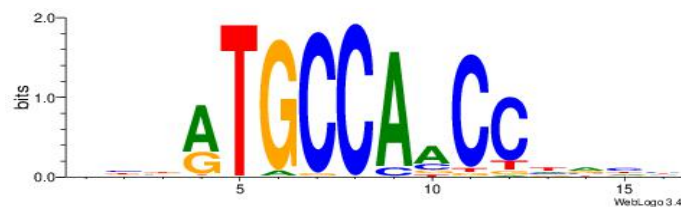
Alignment:

```

-DDBHGGTTGGCATVBD
TTTATGGTGAGCAT---
```

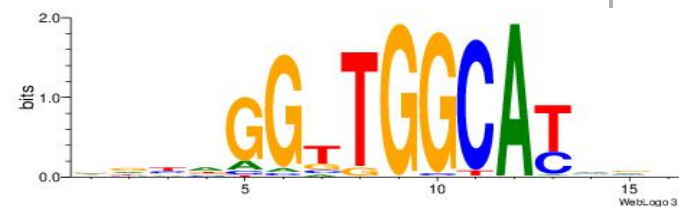
Original motif

Consensus sequence: DBBATGCCAACCHVHH



Reverse complement motif

Consensus sequence: DDBHGGTTGGCATVBD



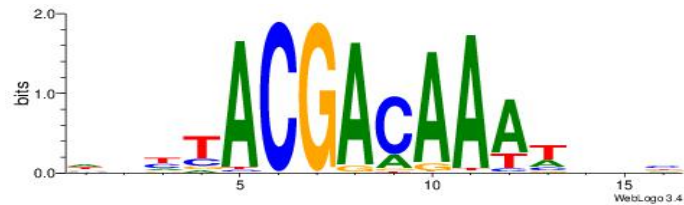
Motif ID:	UP00072
Motif name:	IRC900814_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	12
Similarity score:	1.01715

Alignment:

--DDHTACGACAAWDDDB
--TTTATGGTGAGCAT--

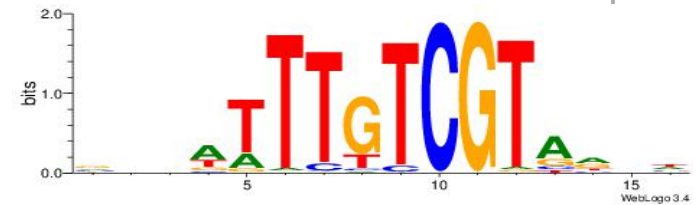
Original motif

Consensus sequence: DDHTACGACAAWDDDB



Reverse complement motif

Consensus sequence: BHDWTTTGTCTGTAHDD



Motif ID:	UP00191
Motif name:	Pou2f2
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:	1.0174

Alignment:

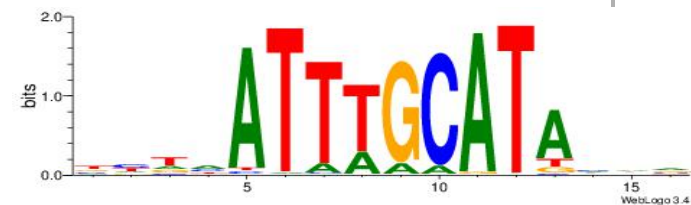
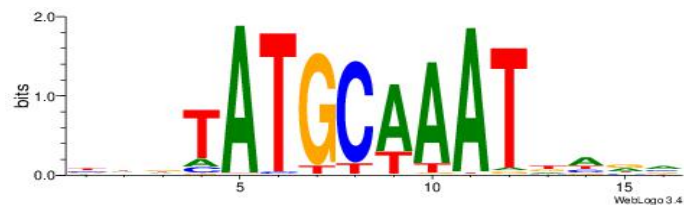
BHDTATGCAAATDHDV--
--TTTATGGTGAGCAT--

Original motif

Consensus sequence: BHDTATGCAAATDHDV

Reverse complement motif

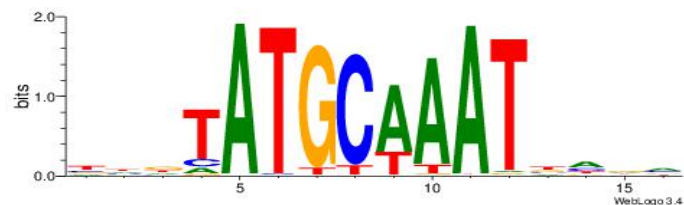
Consensus sequence: BHHDATTTGCATAHHV



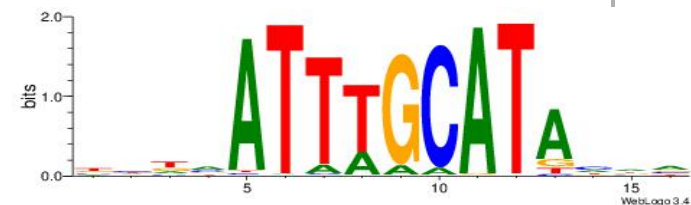
Motif ID: [UP00179](#)
 Motif name: Pou2f3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 1.01782

Alignment:
 BHDTATGCAAATBHDV--
 --TTTATGGTGAGCAT--

Original motif
 Consensus sequence: BHDTATGCAAATBHDV



Reverse complement motif
 Consensus sequence: BHHVATTTGCATAHHV



Motif ID: [UP00133](#)
 Motif name: Cdx2

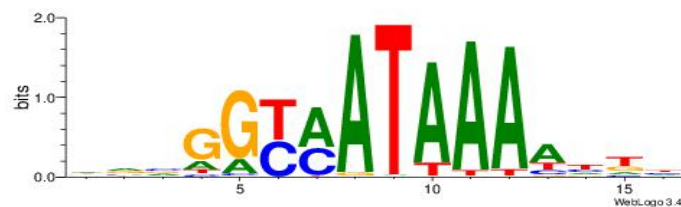
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 1.02211

Alignment:

```
--DVVGGYMATAAAHKH
ATGCTCACCATAAA----
```

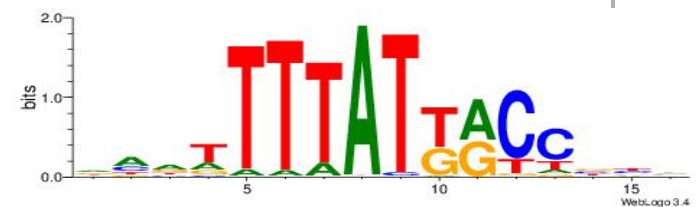
Original motif

Consensus sequence: DVVGGYMATAAAHKH



Reverse complement motif

Consensus sequence: HRHTTTTATYMCCVBD



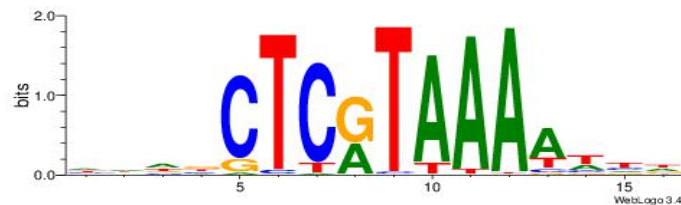
Motif ID: [UP00173](#)
 Motif name: Hoxc13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 1.02921

Alignment:

```
DHWTTTAMGAGBDHH--  
--ATGCTCACCATAAA--
```

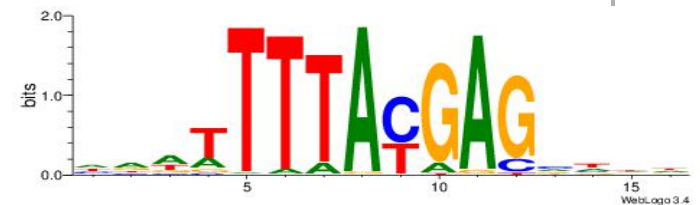
Original motif

Consensus sequence: HHDBCTCRTAAAWHD



Reverse complement motif

Consensus sequence: DHWTTTAMGAGBDHH



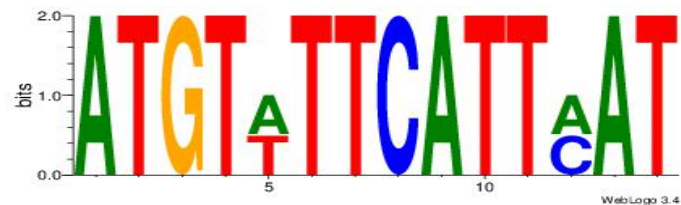
Dataset #: 1

Motif ID: 23

Motif name: Motif 23

Original motif

Consensus sequence: ATGTWTCATTMAT



Reverse complement motif

Consensus sequence: ATYAATGAAWACAT



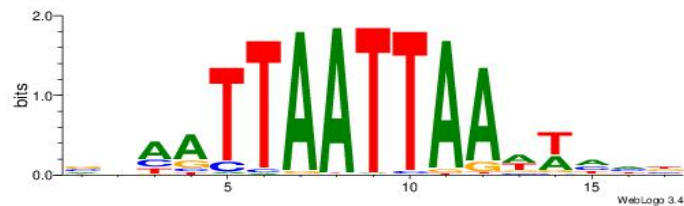
Best Matches for Motif ID 23 (Highest to Lowest)

Motif ID:	UP00130
Motif name:	Lhx3
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif

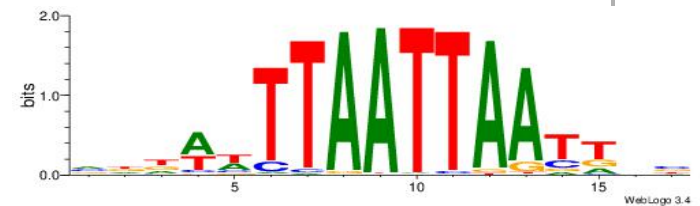
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0285638

Alignment:
VDAATTAATTAAWWHHB
---ATYAATGAAWACAT

Original motif
Consensus sequence: VDAATTAATTAAWWHHB



Reverse complement motif
Consensus sequence: VHHWWTTAATTAATTDV



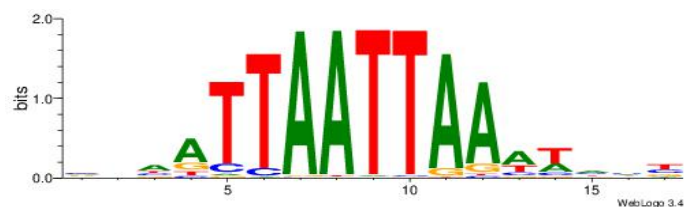
Motif ID: [UP00212](#)
Motif name: Lhx5
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 14
Similarity score: 0.0306386

Alignment:

VDHATTAATTAAAWHHB
---ATYAATGAAWACAT

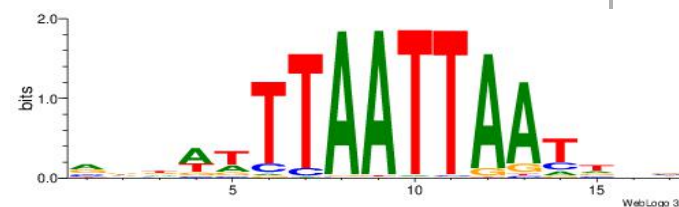
Original motif

Consensus sequence: VDHATTAATTAAAWHHB



Reverse complement motif

Consensus sequence: VDHWTTTAATTAATHHV



Motif ID:	UP00169
Motif name:	Lmx1b
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:	0.0343199

Alignment:

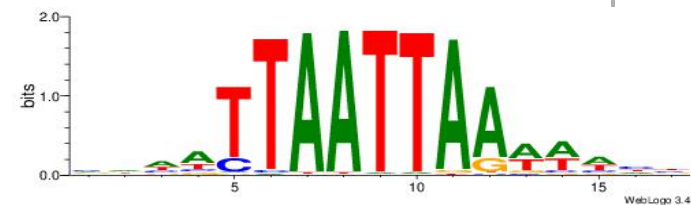
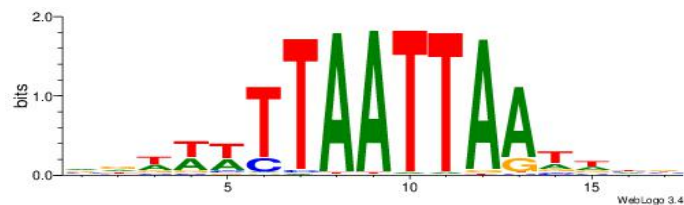
VDWWTTAATTAATDHB
ATGTWTCATTMAT---

Original motif

Consensus sequence: VDWWTTAATTAATDHB

Reverse complement motif

Consensus sequence: BHDATTAATTAAWWWHB

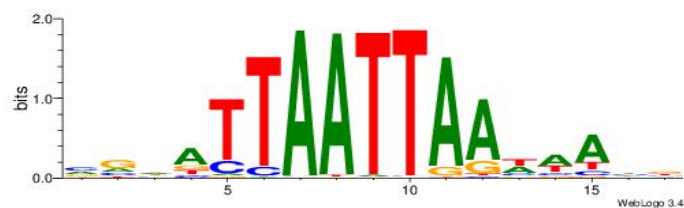


Motif ID: [UP00262](#)
 Motif name: Lhx1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0349569

Alignment:
 VVDATTAATTAAWWAHB
 ---ATYAATGAAWACAT

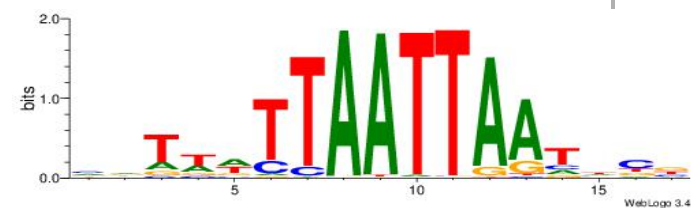
Original motif

Consensus sequence: VVDATTAATTAAWWAHB



Reverse complement motif

Consensus sequence: BHTWWTTAATTAATDVV



Motif ID: [UP00244](#)

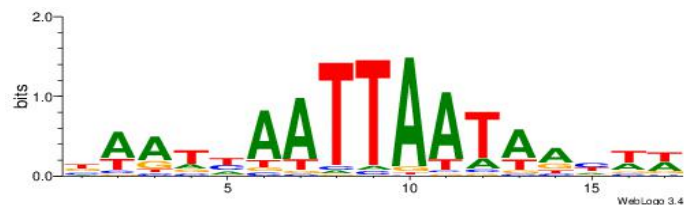
Motif name: Tlx2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0361912

Alignment:

WWDTTATTAATTHATTV
 -ATGTWTCATTMAT--

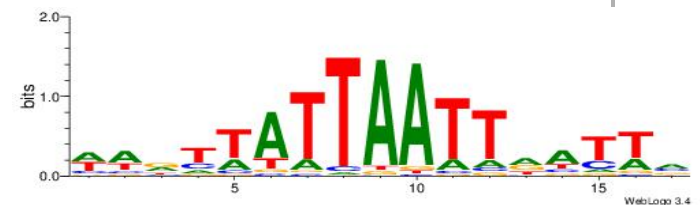
Original motif

Consensus sequence: BAATHAATTAATAAHWW



Reverse complement motif

Consensus sequence: WWDTTATTAATTHATTV



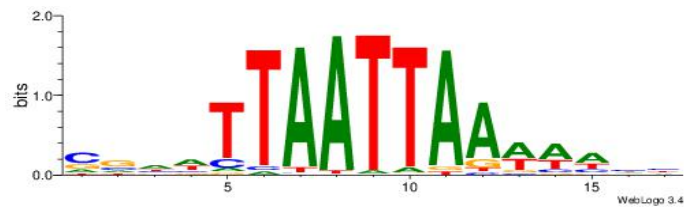
Motif ID: [UP00188](#)
 Motif name: Lmx1a
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0375132

Alignment:

BDWWTTAATTAAHHVG
---ATYAATGAAWACAT

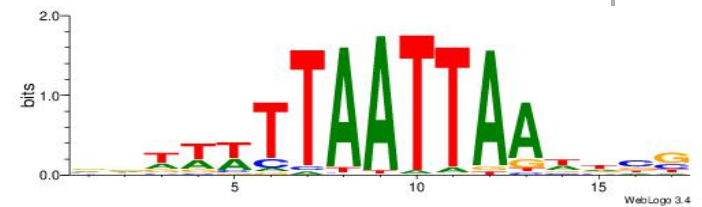
Original motif

Consensus sequence: CVHHTTAATTAAWWWHB



Reverse complement motif

Consensus sequence: BDWWTTAATTAAHHVG



Motif ID:	UP00155
Motif name:	Hmx2
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:	0.0386004

Alignment:

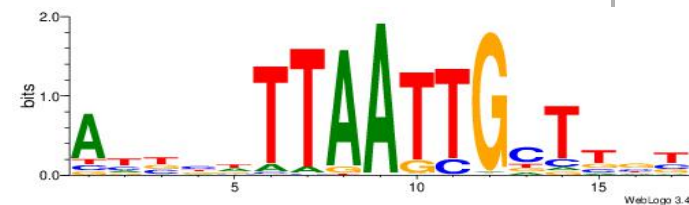
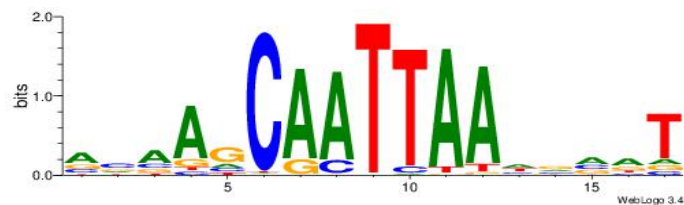
VVAAGCAATTAAHVVD
---ATYAATGAAWACAT

Original motif

Consensus sequence: VVAAGCAATTAAHVVD

Reverse complement motif

Consensus sequence: ADBVHTTAATTGCTTVB

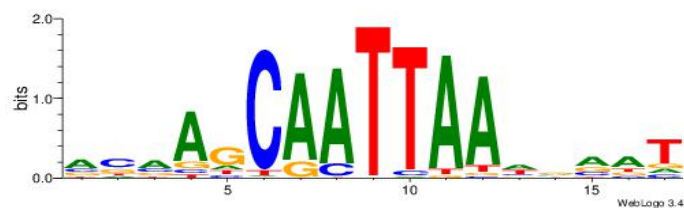


Motif ID: [UP00157](#)
 Motif name: Hmx3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0390217

Alignment:
 VBVAGCAATTAAHV VAT
 ---ATYAATGAAWACAT

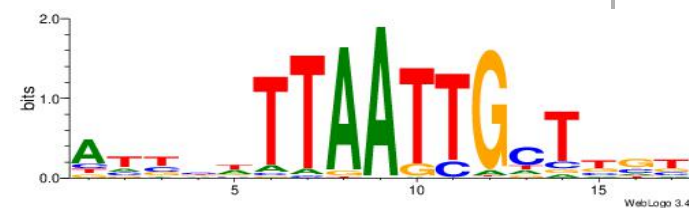
Original motif

Consensus sequence: VBVAGCAATTAAHV VAT



Reverse complement motif

Consensus sequence: ATBVHTTAATTGCTBBB



Motif ID: [UP00172](#)

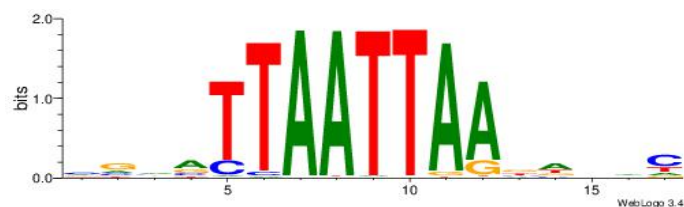
Motif name:	Prop1
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	14
Similarity score:	0.0397917

Alignment:

```
VVVVTTAATTAABDDDC
---ATYAATGAAWACAT
```

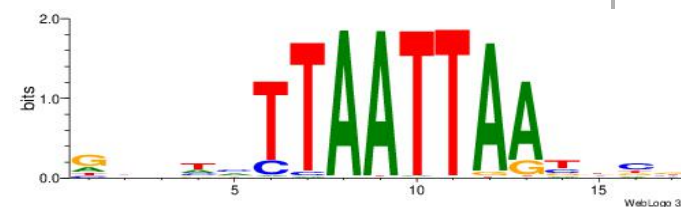
Original motif

Consensus sequence: VVVVTTAATTAABDDDC



Reverse complement motif

Consensus sequence: GDDDBTTAATTAABBVV



Motif ID:	UP00237
Motif name:	Otp
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:	0.041444

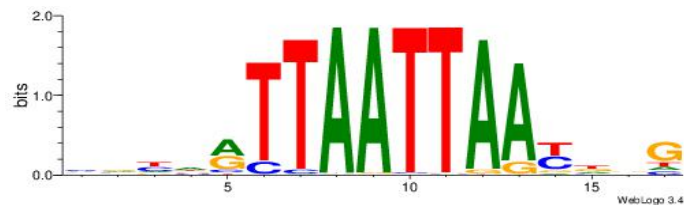
Alignment:

CHDMTTAATTAAKDHVV

---ATYAATGAAWACAT

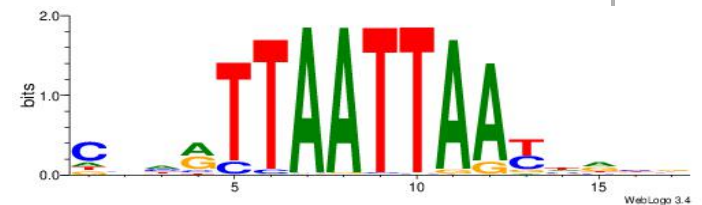
Original motif

Consensus sequence: VVHDRTTAATTAAYDDG



Reverse complement motif

Consensus sequence: CHDMTTAATTAAKDHVV



Dataset #: 1

Motif ID: 24

Motif name: Motif 24

Original motif

Consensus sequence: AAAGWCATWAA



Reverse complement motif

Consensus sequence: TTWATGWCTTT



Best Matches for Motif ID 24 (Highest to Lowest)

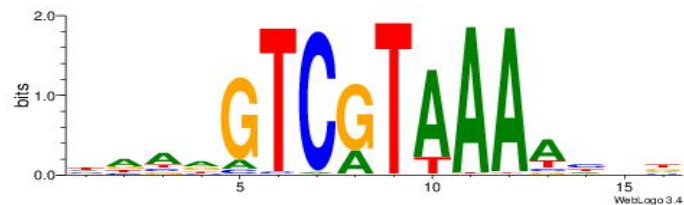
Motif ID:	UP00246
Motif name:	Hoxa11
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif

Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.011591

Alignment:
 HDADGTCGTAAAAHDD
 -AAAGWCATWAA-----

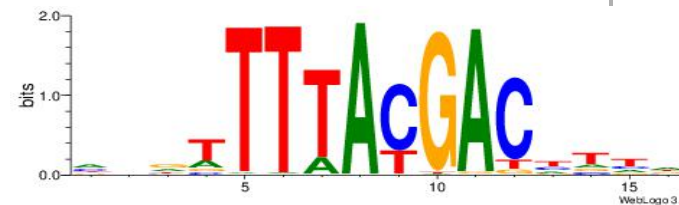
Original motif

Consensus sequence: HDADGTCGTAAAAHDD



Reverse complement motif

Consensus sequence: DDDTTTTACGACDTH



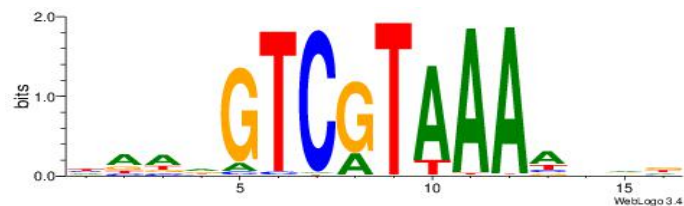
Motif ID: [UP00235](#)
 Motif name: Hoxc11
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0124232

Alignment:

HAADGTCGTAAAAHDD
-AAAGWCATWAA-----

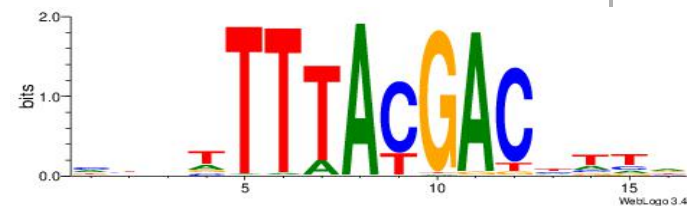
Original motif

Consensus sequence: HAADGTCGTAAAAHDD



Reverse complement motif

Consensus sequence: HDHTTTTACGACDTTH



Motif ID: [UP00207](#)
Motif name: Hoxb9
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: 11
Similarity score: 0.0163525

Alignment:

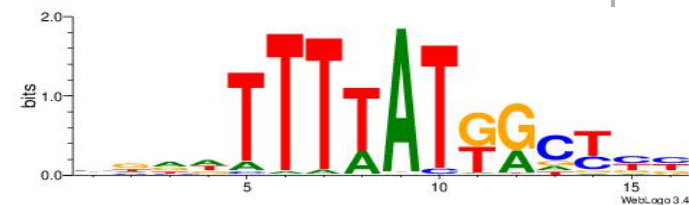
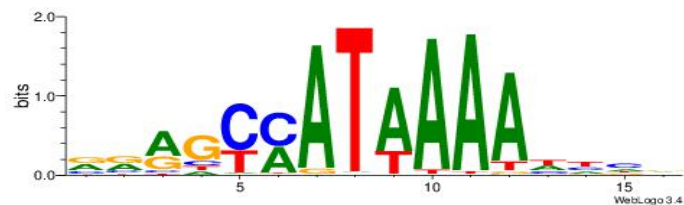
VRRGCMATAAAHHHD
AAAGWCATWAA-----

Original motif

Consensus sequence: VRRGCMATAAAHHHD

Reverse complement motif

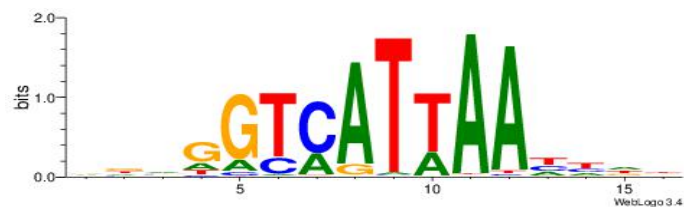
Consensus sequence: HDHTTTTATRGCKMV



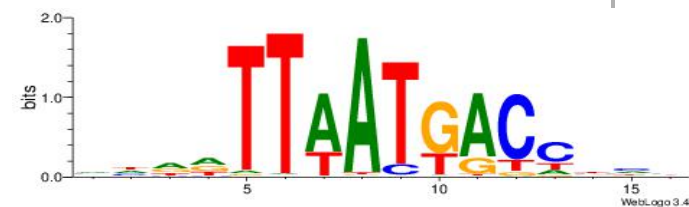
Motif ID: [UP00197](#)
 Motif name: Hoxc9
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0176256

Alignment:
 VDHHTTAATGACCBHV
 ----TTWATGWCTTT-

Original motif
 Consensus sequence: VDVGGTCATTAAHHDB



Reverse complement motif
 Consensus sequence: VDHHTTAATGACCBHV



Motif ID: [UP00245](#)

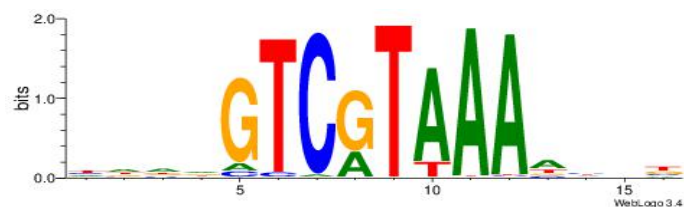
Motif name: Hoxc10
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.01781

Alignment:

HDDDGTTCGTAAADHBB
 -AAAGWCATWAA-----

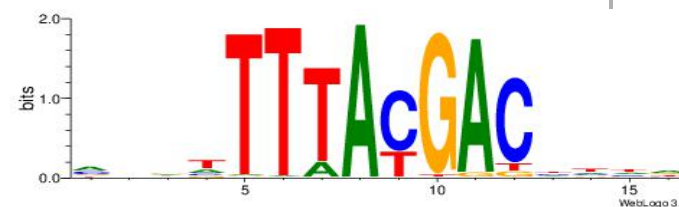
Original motif

Consensus sequence: HDDDGTTCGTAAADHBB



Reverse complement motif

Consensus sequence: VBDDTTTACGACDDDH



Motif ID: [UP00117](#)
 Motif name: Hoxd11
 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: 0.0206572

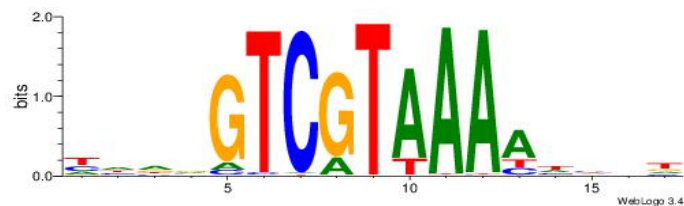
Alignment:

HHDVGTCGTAAAAHHHD

-AAAGWCATWAA-----

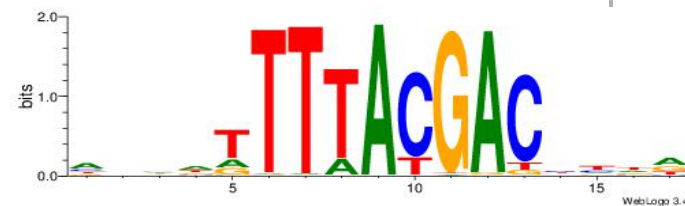
Original motif

Consensus sequence: HHDVGTCGTAAAAHHHD



Reverse complement motif

Consensus sequence: DDDHTTTTACGACVDHH



Motif ID: [UP00240](#)
Motif name: Cdx1
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: 0.0231269

Alignment:

DDVGGTMATAAAABKH

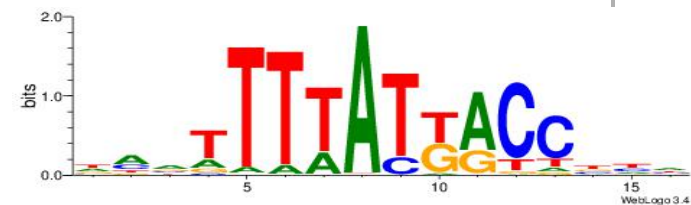
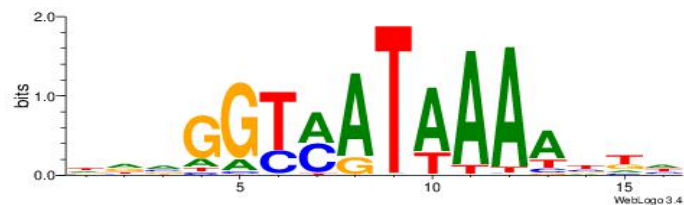
-AAAGWCATWAA-----

Original motif

Consensus sequence: DDVGGTMATAAAABKH

Reverse complement motif

Consensus sequence: HRVTTTTATYACCBDD

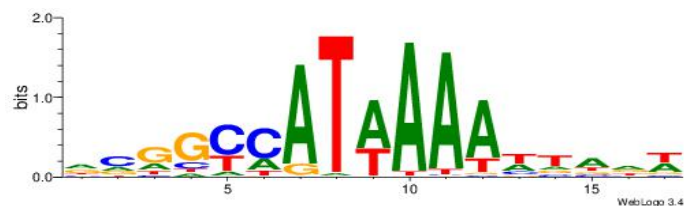


Motif ID: [UP00213](#)
 Motif name: Hoxa9
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0241179

Alignment:
 DCGGYCATWAAAWTADW
 AAAGWCATWAA-----

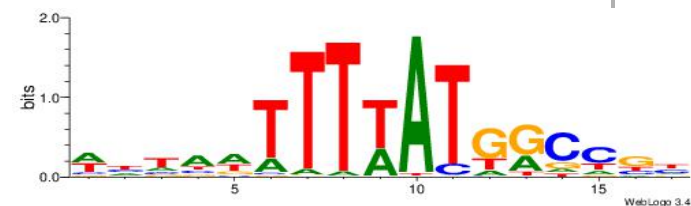
Original motif

Consensus sequence: DCGGYCATWAAAWTADW



Reverse complement motif

Consensus sequence: WDTAWTTTWATGKCCGD



Motif ID: [UP00133](#)
 Motif name: Cdx2

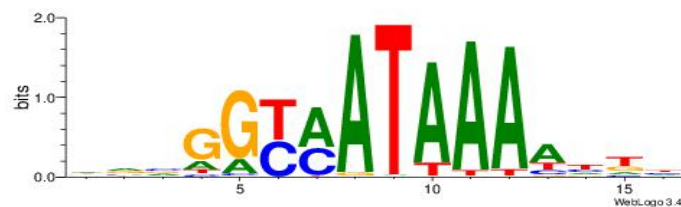
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0264981

Alignment:

DVVGGMATAAAAHKH
 -AAAGWCATWAA----

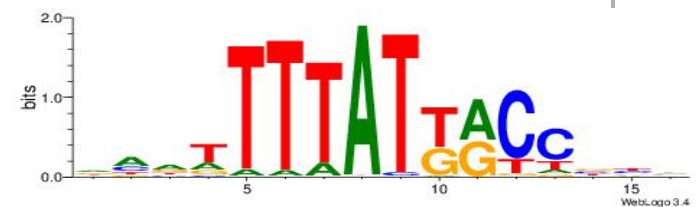
Original motif

Consensus sequence: DVVGGMATAAAAHKH



Reverse complement motif

Consensus sequence: HRHTTTTATYMCCVBD



Motif ID: [UP00177](#)
 Motif name: Hoxd12
 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: 0.0271901

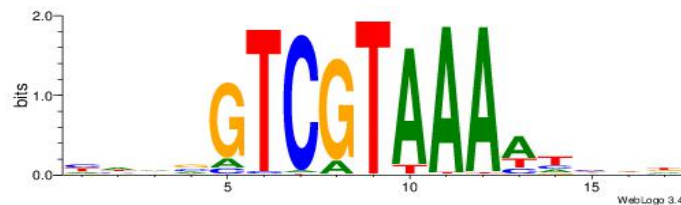
Alignment:

HHDVGTCTGTA AAAHHHD

-AAAGWCATWAA-----

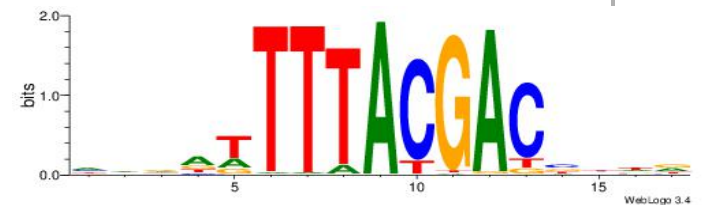
Original motif

Consensus sequence: HHDVGTCTGTA AAAHHHD



Reverse complement motif

Consensus sequence: DHDHTTTTACGACVDHD



Dataset #: 1

Motif ID: 25

Motif name: Motif 25

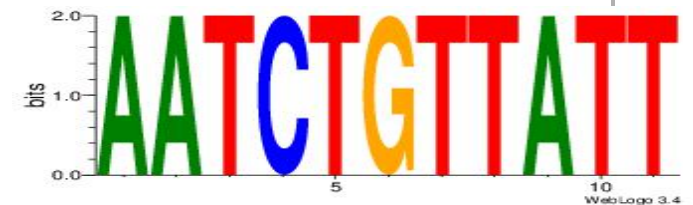
Original motif

Consensus sequence: AATAACAGATT



Reverse complement motif

Consensus sequence: AATCTGTTATT



Best Matches for Motif ID 25 (Highest to Lowest)

Motif ID:

[UP00186](#)

Motif name:

Meis1

Species:

Mus musculus

Matching format of first motif:

Original Motif

Matching format of second motif:

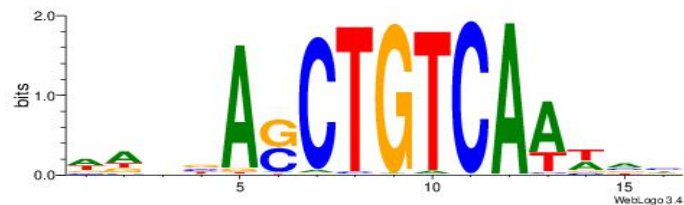
Reverse Complement

Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0336973

Alignment:
 DBWTTGACAGSTBVTW
 --AATAACAGATT---

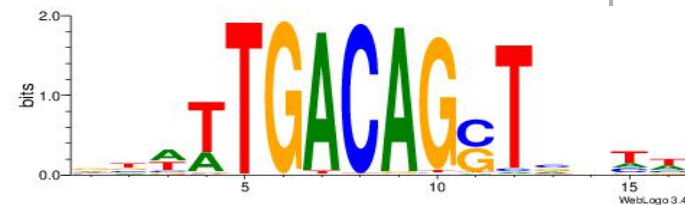
Original motif

Consensus sequence: WAVBASCTGTCAAWVH



Reverse complement motif

Consensus sequence: DBWTTGACAGSTBVTW



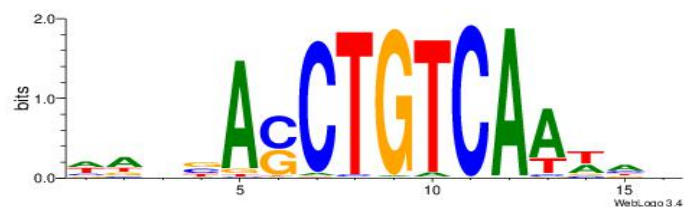
Motif ID: [UP00226](#)
 Motif name: Mrg1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0361504

Alignment:

BHWTTGACAGSTBBTW
--AATAACAGATT---

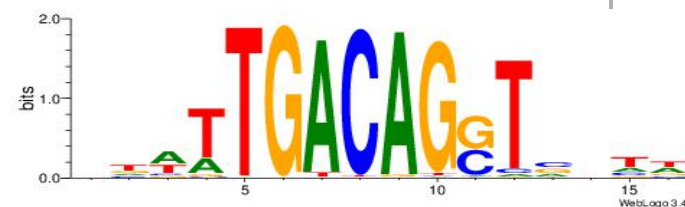
Original motif

Consensus sequence: WAVBASCTGTCAAWHB



Reverse complement motif

Consensus sequence: BHWTTGACAGSTBBTW



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:	4
Number of overlap:	11
Similarity score:	0.0367255

Alignment:

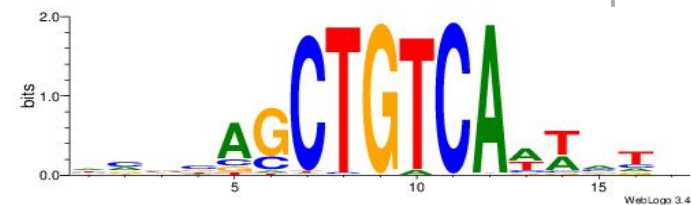
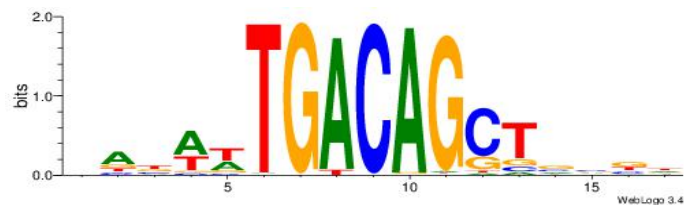
DBVVAGCTGTCAWWVTH
---AATCTGTTATT---

Original motif

Consensus sequence: DABWWTGACAGCTVVBD

Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH

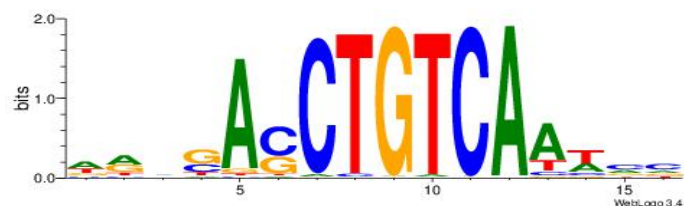


Motif ID: [UP00203](#)
 Motif name: Pknx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0373644

Alignment:
 VVWTTGACAGSTSBKD
 --AATAACAGATT---

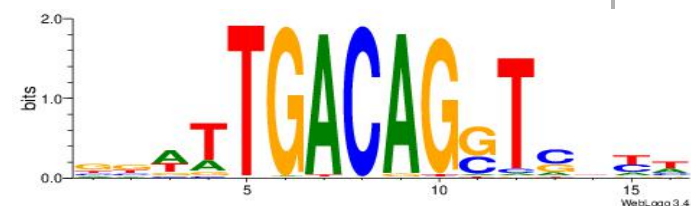
Original motif

Consensus sequence: DRVSASCTGTCAAWVV



Reverse complement motif

Consensus sequence: VVWTTGACAGSTSBKD



Motif ID: [UP00258](#)

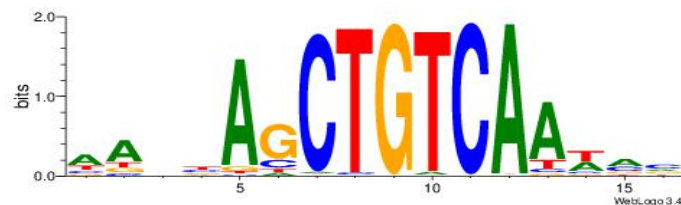
Motif name: Tgif2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0400385

Alignment:

AAB BAGCTGTCAAWVV
 ---AATCTGTTATT--

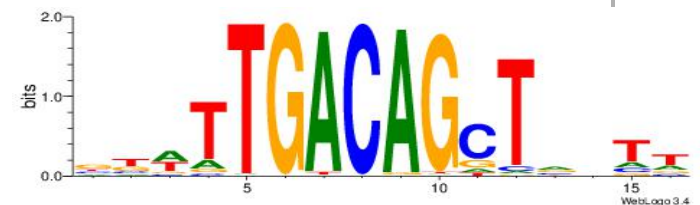
Original motif

Consensus sequence: AAB BAGCTGTCAAWVV



Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT



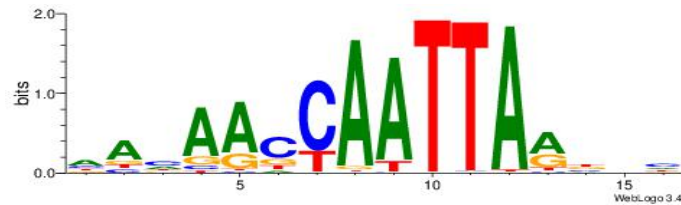
Motif ID: [UP00166](#)
 Motif name: Barhl1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0408157

Alignment:

DDVKTAAATTGGTTDTH
-----AATCTGTTATT

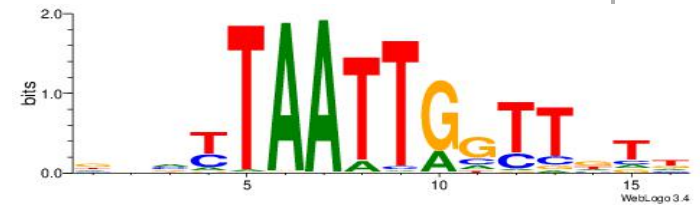
Original motif

Consensus sequence: HAHAAACCAATTARBDH



Reverse complement motif

Consensus sequence: DDVKTAAATTGGTTDTH



Motif ID:	UP00171
Motif name:	Msx3
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:	11
Similarity score:	0.040907

Alignment:

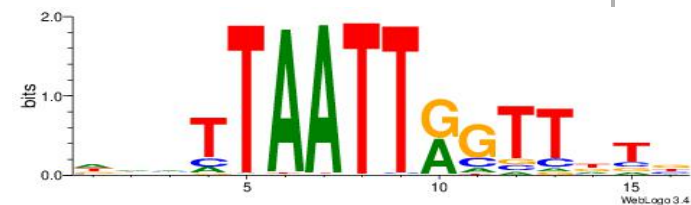
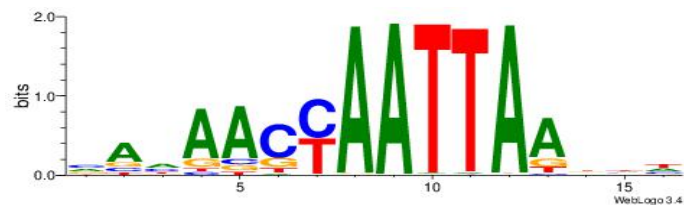
HHVTTAATTKGTTHTV
-----AATCTGTTATT

Original motif

Consensus sequence: VAHAACYAATTAABHH

Reverse complement motif

Consensus sequence: HHVTTAATTKGTTHTV

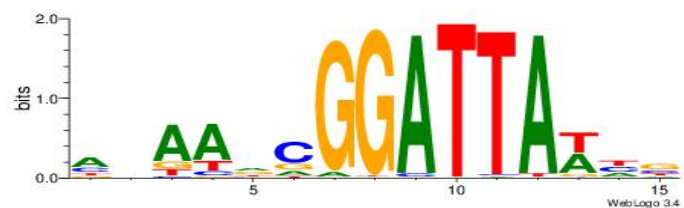


Motif ID: [UP00109](#)
 Motif name: Obox6
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0411003

Alignment:
 AHAADCGGATTAWHB
 AATAACAGATT----

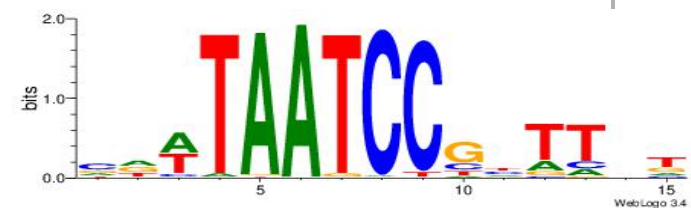
Original motif

Consensus sequence: AHAADCGGATTAWHB



Reverse complement motif

Consensus sequence: BHWTAATCCGDTTHT



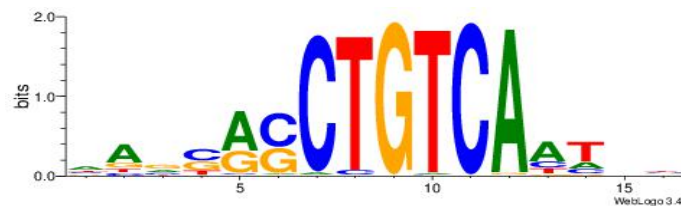
Motif ID: [UP00205](#)

Motif name: Pknox2
 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: 0.0430579

Alignment:
 VHATTGACAGSKSVTH
 --AATAACAGATT---

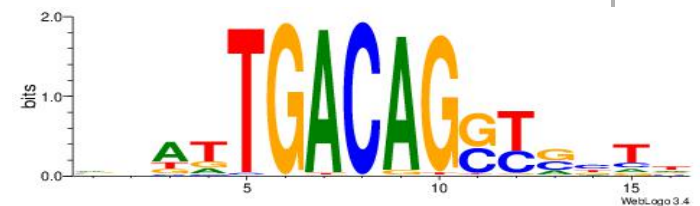
Original motif

Consensus sequence: HAVSRCTGTCAATHB



Reverse complement motif

Consensus sequence: VHATTGACAGSKSVTH



Motif ID: [UP00081](#)
 Motif name: Mybl1_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: 0.0431149

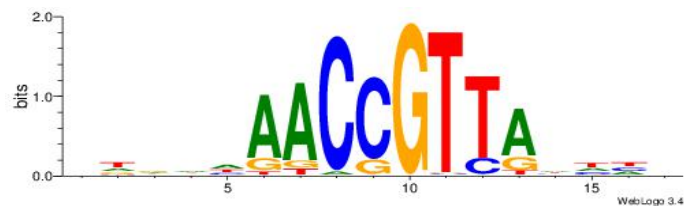
Alignment:

HDDDHAACCGTTAHHHD

----AATCTGTTATT--

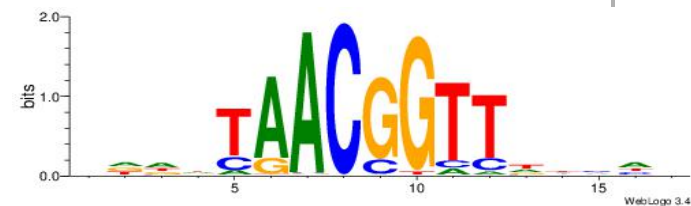
Original motif

Consensus sequence: HDDDDHAACCGTTAHHHD



Reverse complement motif

Consensus sequence: DHHHTAACGGTTHDHDH



Dataset #: 1 **Motif ID: 26** **Motif name: Motif 26**

Original motif

Consensus sequence: CTGTTTTWAT



Reverse complement motif

Consensus sequence: ATWAAAACAG



Best Matches for Motif ID 26 (Highest to Lowest)

Motif ID: [UP00207](#)

Motif name: Hoxb9

Species: Mus musculus

Matching format of first motif: Reverse Complement

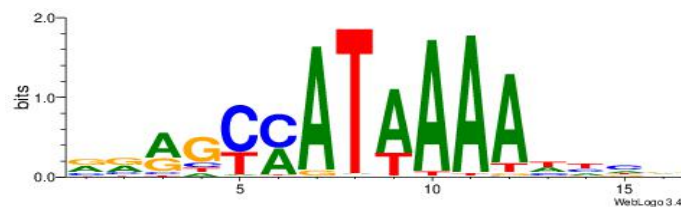
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	10
Similarity score:	0.030167

Alignment:

```
VRRGCMATAAAHHHD
-----ATWAAAACAG
```

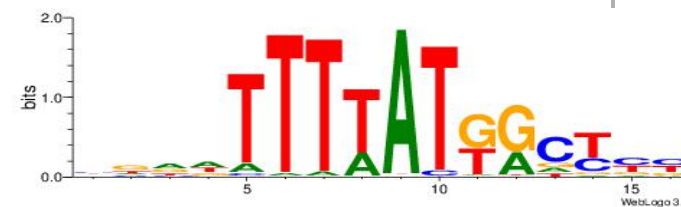
Original motif

Consensus sequence: VRRGCMATAAAHHHD



Reverse complement motif

Consensus sequence: HDHHTTTTATRGCKMV



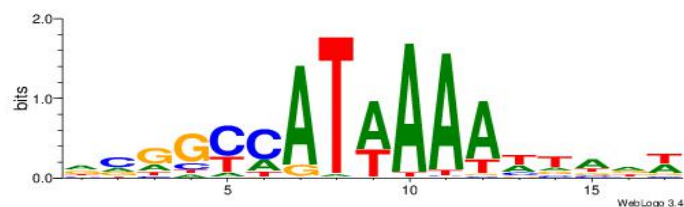
Motif ID:	UP00213
Motif name:	Hoxa9
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	7
Number of overlap:	10
Similarity score:	0.0323471

Alignment:

DCGGYCATWAAAWTADW
-----ATWAAAACAG--

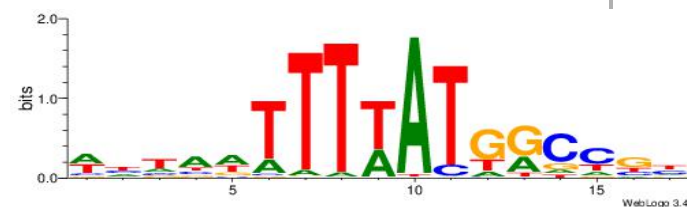
Original motif

Consensus sequence: DCGGYCATWAAAWTADW



Reverse complement motif

Consensus sequence: WDTAWTTTWATGKCCGD



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:	7
Number of overlap:	10
Similarity score:	0.0362663

Alignment:

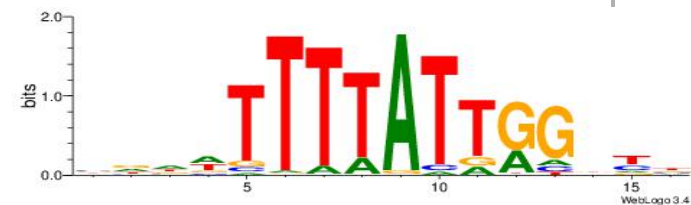
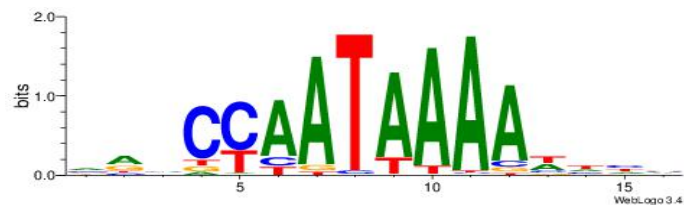
VDHWTTTTATTGGDKB
CTGTTTTWAT-----

Original motif

Consensus sequence: VRHCCAATAAAWHHV

Reverse complement motif

Consensus sequence: VDHWTTTTATTGGDKB

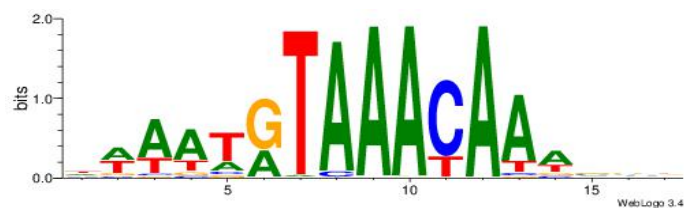


Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0372816

Alignment:
 VVVWTTGTTTAMATTWD
 ----CTGTTTTWAT---

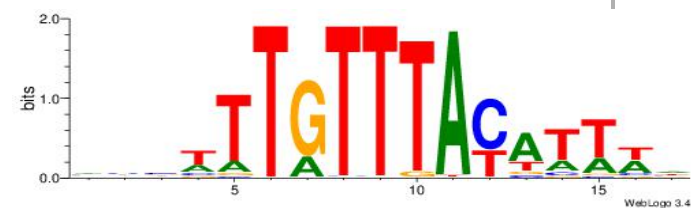
Original motif

Consensus sequence: DWAATRTAAACA WVV B



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:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	10
Similarity score:	0.0386784

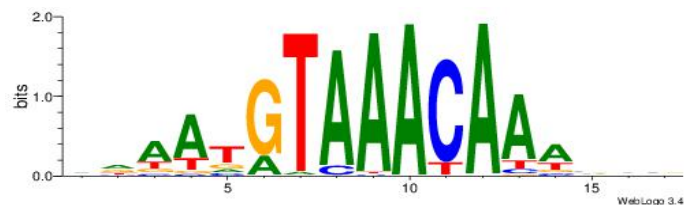
Alignment:

```

BBVTTTGTTTACATTDD
----CTGTTTTWAT---
```

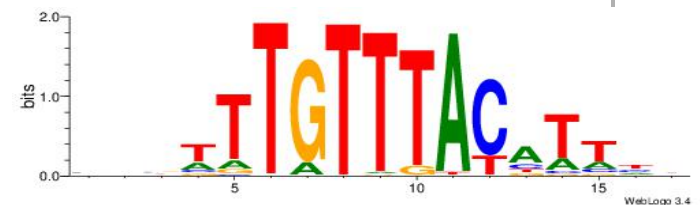
Original motif

Consensus sequence: DDAATGTAAACAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD



Motif ID:	UP00180
Motif name:	Hoxd13
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	10

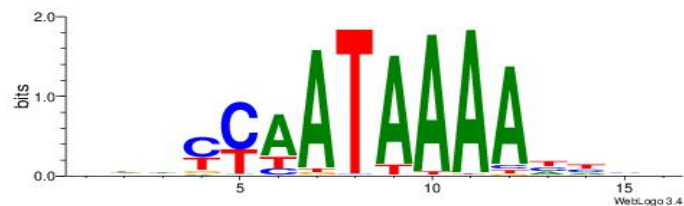
Similarity score: 0.0390272

Alignment:

```
HDHYAATAAAHHHH
-----ATWAAAACAG
```

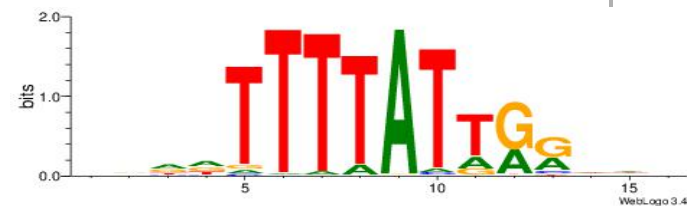
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD



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: Forward
Position number: 3
Number of overlap: 10
Similarity score: 0.0396761

Alignment:

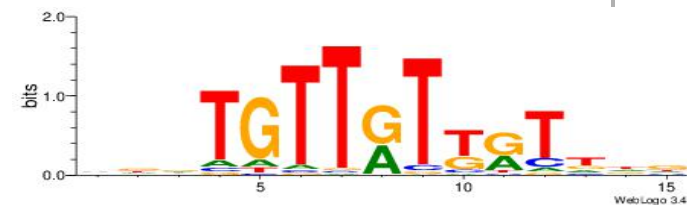
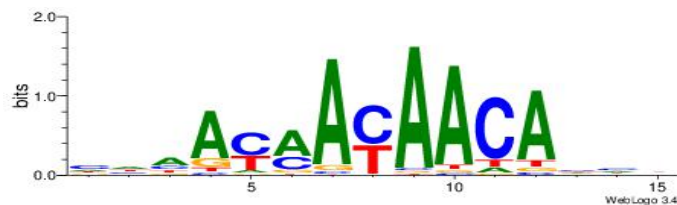
```
HDDTGTTKTTKTHHD
--CTGTTTTWAT---
```

Original motif

Consensus sequence: HHHAYAAYAACAHHH

Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



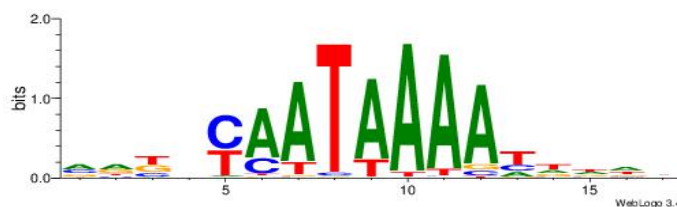
Motif ID: [UP00121](#)
 Motif name: Hoxd10
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0450256

Alignment:

HDDDATTTTATTKVRDB
 -CTGTTTWTAT-----

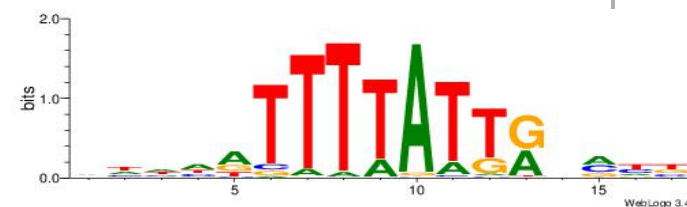
Original motif

Consensus sequence: VDKVYAATAAAATDDDH



Reverse complement motif

Consensus sequence: HDDDATTTTATTKVRDB



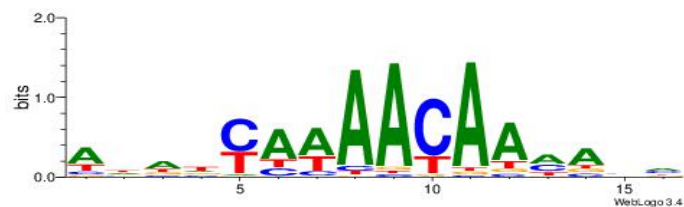
Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0451436

Alignment:

ADDDYAWAACAAMAHH
 --ATWAAAACAG-----

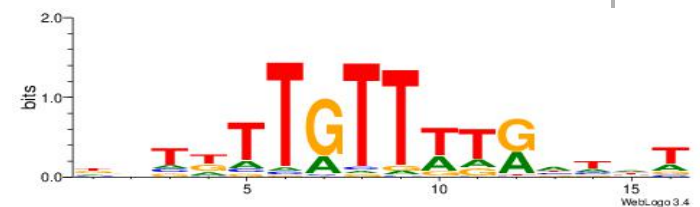
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT

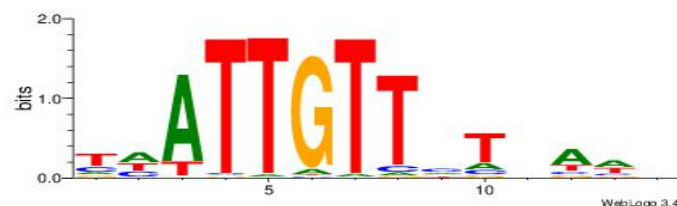


Motif ID: [UP00101](#)
 Motif name: Sox12_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2

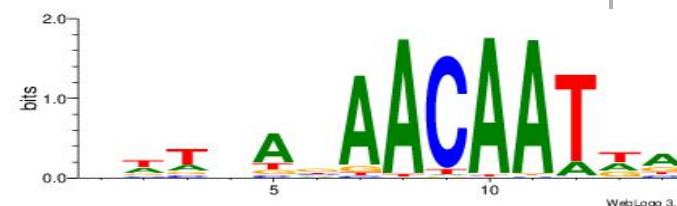
Number of overlap: 10
Similarity score: 0.0452358

Alignment:
DWITHAVAACAATHA
-ATWAAAACAG---

Original motif
Consensus sequence: THATTGTTVTHAWH



Reverse complement motif
Consensus sequence: DWTHAVAACAATHA

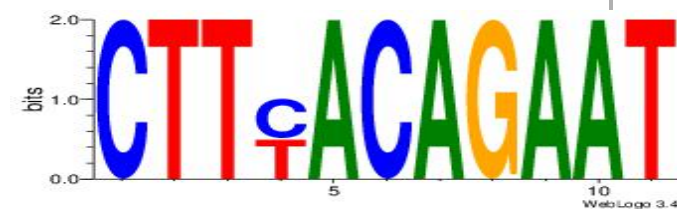


Dataset #: 1 Motif ID: 27 Motif name: Motif 27

Original motif
Consensus sequence: ATTCTGTRAAG



Reverse complement motif
Consensus sequence: CTTKACAGAAT



Best Matches for Motif ID 27 (Highest to Lowest)

Motif ID: [UP00193](#)
Motif name: Rhox11_2205.1
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:	0.022933

Alignment:

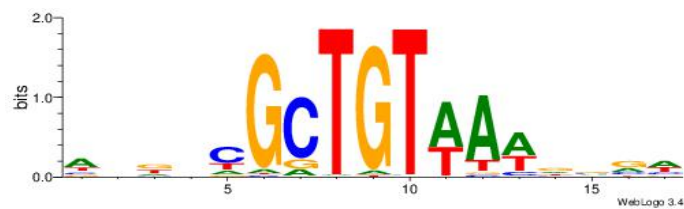
```

AVDHCGCTGTWAWDVVW
---ATTCTGTRAAG---

```

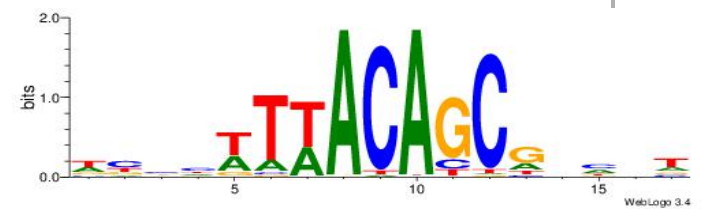
Original motif

Consensus sequence: AVDHCGCTGTWAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGHHVT



Motif ID:	UP00186
Motif name:	Meis1
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:	0.0231555

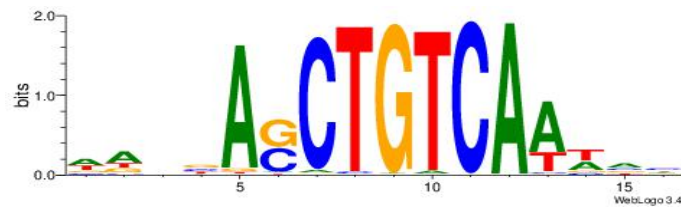
Alignment:

DBWTTGACAGSTBVTW

--CTTKACAGAAT---

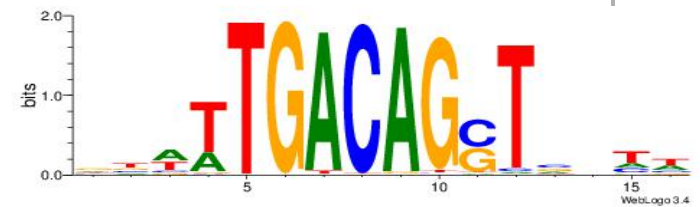
Original motif

Consensus sequence: WAVBASCTGTCAAWVH



Reverse complement motif

Consensus sequence: DBWTTGACAGSTBVTW



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:

3

Number of overlap:

11

Similarity score:

0.0232158

Alignment:

VBWTTGACAGCTVBTT

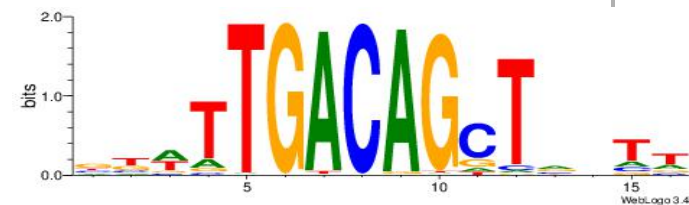
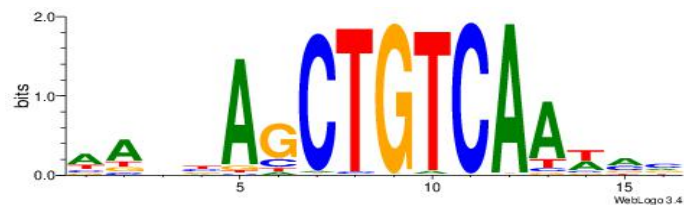
--CTTKACAGAAT---

Original motif

Consensus sequence: AABAGCTGTCAAWVV

Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT

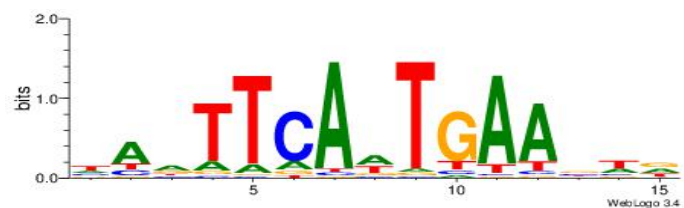


Motif ID: [UP00012](#)
 Motif name: Bbx_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.023325

Alignment:
 HADTTCAWTGAABWD
 --ATTCTGTRAAG--

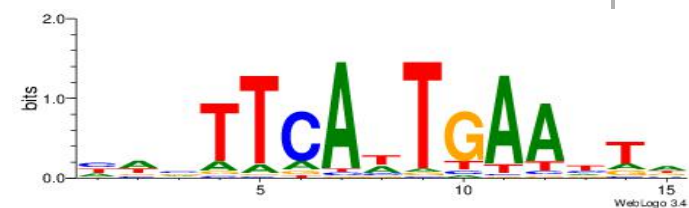
Original motif

Consensus sequence: HADTTCAWTGAABWD



Reverse complement motif

Consensus sequence: HWBTTCAWTGAADTH



Motif ID: [UP00226](#)

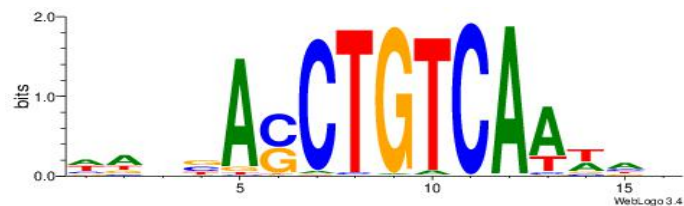
Motif name: Mrg1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0239764

Alignment:

BHWTTGACAGSTBBTW
 --CTTKACAGAAT--

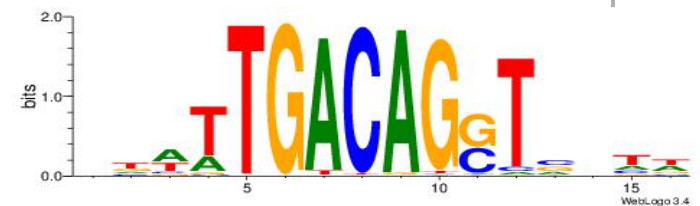
Original motif

Consensus sequence: WAVBASCTGTCAAWHB



Reverse complement motif

Consensus sequence: BHWTTGACAGSTBBTW



Motif ID: [UP00203](#)
 Motif name: Pknox1
 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: 0.025386

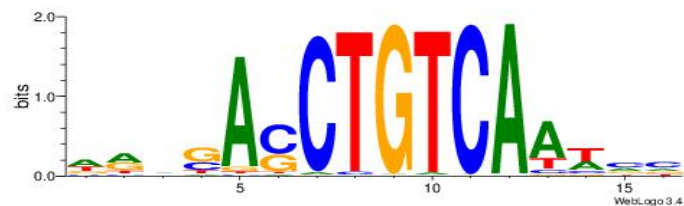
Alignment:

VVWTTGACAGSTSBKD

--CTTKACAGAAT---

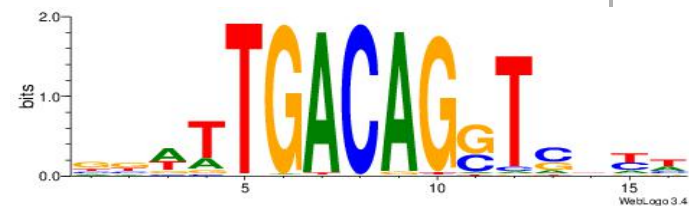
Original motif

Consensus sequence: DRVSASCTGTCAAWVV



Reverse complement motif

Consensus sequence: VVWTTGACAGSTSBKD



Motif ID: [UP00193](#)

Motif name: RhoX11_1765.2

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: 0.0259448

Alignment:

AVDVCCTGTWAWDVVW

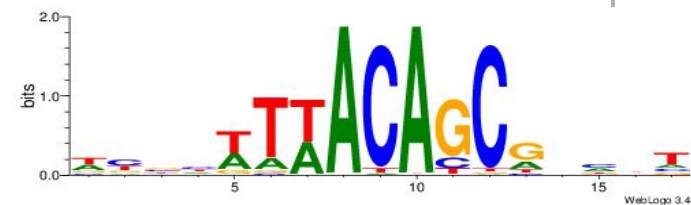
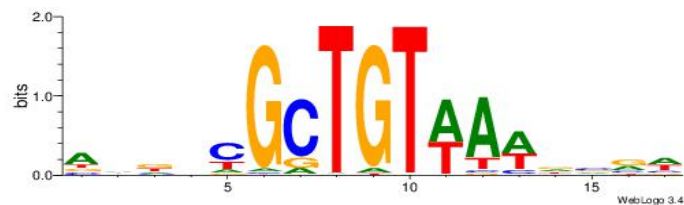
---ATTCTGTRAAG---

Original motif

Consensus sequence: AVDVCCTGTWAWDVVW

Reverse complement motif

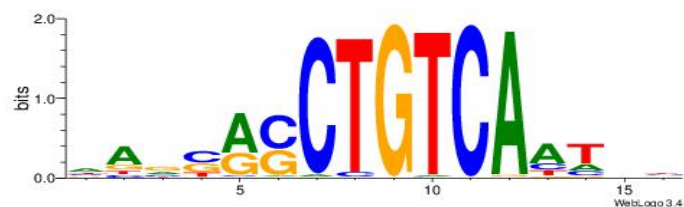
Consensus sequence: WVVHWTWACAGCGBHBT



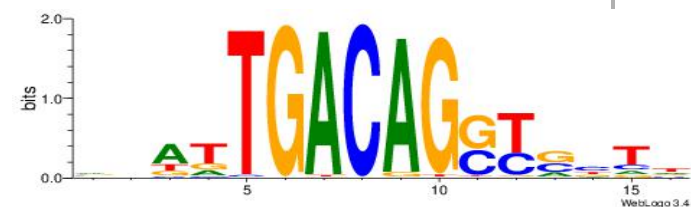
Motif ID: [UP00205](#)
 Motif name: Pknox2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0264392

Alignment:
 VHATTGACAGSKSVTH
 --CTTKACAGAAT--

Original motif
 Consensus sequence: HAVSRSGTGTCATHB



Reverse complement motif
 Consensus sequence: VHATTGACAGSKSVTH



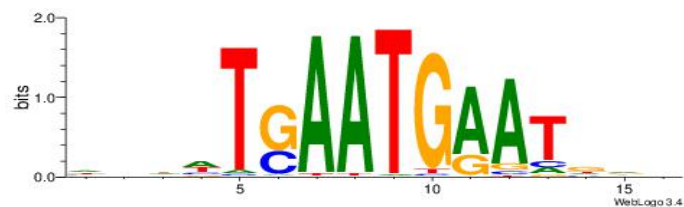
Motif ID: [UP00055](#)
 Motif name: Hbp1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0287967

Alignment:

HHDWTSAAATGAATDDB
 --CTTKACAGAAT---

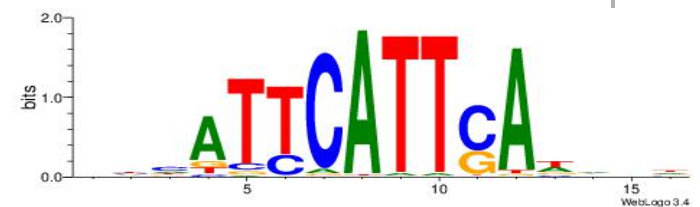
Original motif

Consensus sequence: HHDWTSAAATGAATDDB



Reverse complement motif

Consensus sequence: VDHATTCATTSAWDDH



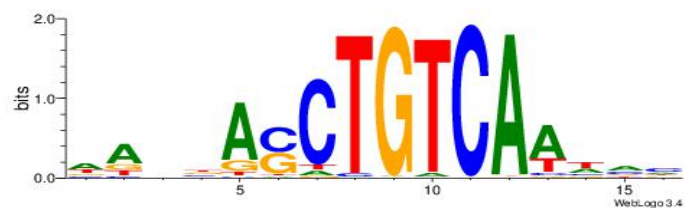
Motif ID: [UP00210](#)
 Motif name: Mrg2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3

Number of overlap:	11
Similarity score:	0.0289027

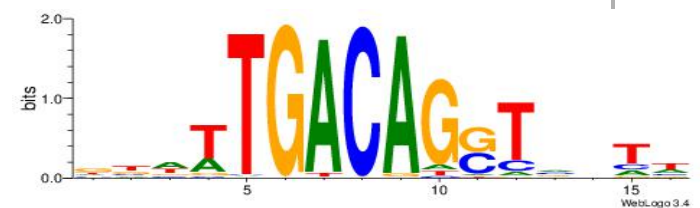
Alignment:

```
DBHTTGACAGSTVDTD
--CTTKACAGAAT---
```

Original motif
Consensus sequence: DADBASCTGTCAAHVH



Reverse complement motif
Consensus sequence: DBHTTGACAGSTVDTD

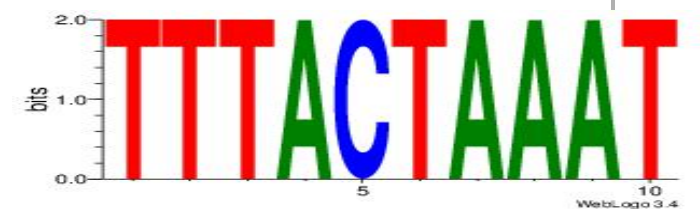


Dataset #: 1 **Motif ID: 28** **Motif name: Motif 28**

Original motif
Consensus sequence: ATTTAGTAAA



Reverse complement motif
Consensus sequence: TTTACTAAAT



Best Matches for Motif ID 28 (Highest to Lowest)

Motif ID: [UP00130](#)
Motif name: Lhx3
Species: Mus musculus

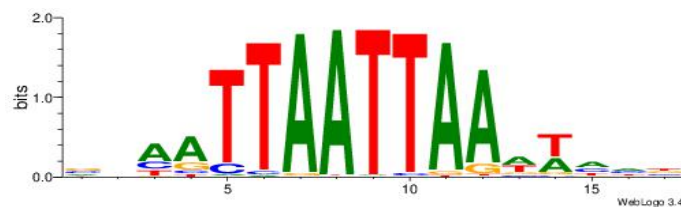
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0.00271264

Alignment:

```
VHHWWTTAATTAATTDV
----TTTACTAAAT---
```

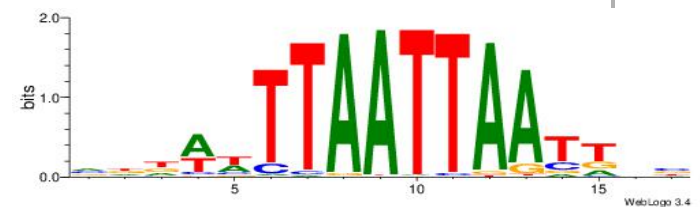
Original motif

Consensus sequence: VDAATTAATTAAWWHB



Reverse complement motif

Consensus sequence: VHHWWTTAATTAATTDV



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:	4
Number of overlap:	10
Similarity score:	0.00275365

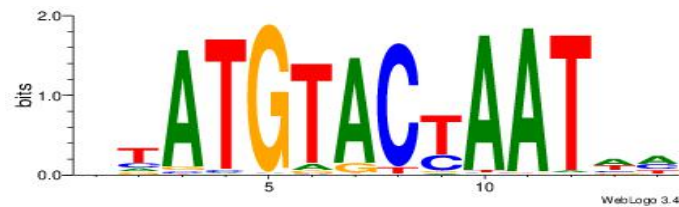
Alignment:

HWATTAGTACATAV

-ATTTAGTAAA---

Original motif

Consensus sequence: BTATGTACTAATWH



Reverse complement motif

Consensus sequence: HWATTAGTACATAV



Motif ID:

[UP00212](#)

Motif name:

Lhx5

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:

0.00285069

Alignment:

VDHWTTTAATTAATHHV

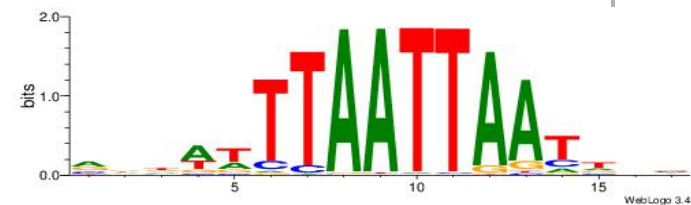
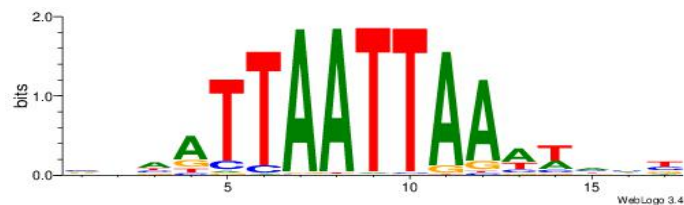
----TTTACTAAAT---

Original motif

Consensus sequence: VDHATTAATTAAWHHB

Reverse complement motif

Consensus sequence: VDHWTTTAATTAATHHV

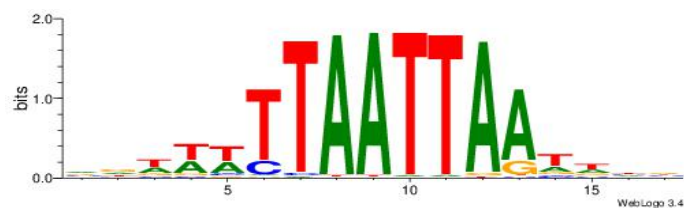


Motif ID: [UP00169](#)
 Motif name: Lmx1b
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.00676865

Alignment:
 BHDATTAATTAAWWWHB
 ---ATTAGTAA----

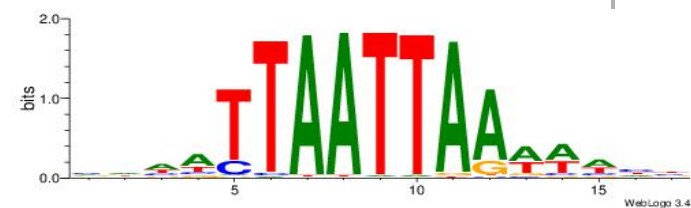
Original motif

Consensus sequence: VDWWTTAATTAATDHB



Reverse complement motif

Consensus sequence: BHDATTAATTAAWWWHB



Motif ID: [UP00177](#)

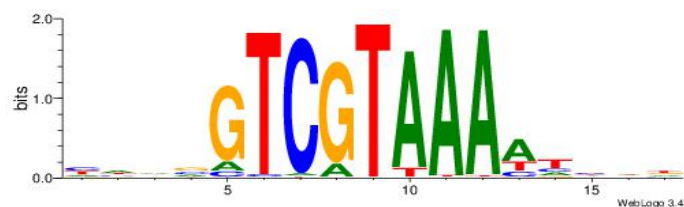
Motif name: Hoxd12
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.00747245

Alignment:

DHDHTTTTACGACVDHD
 -----TTTACTAAAT--

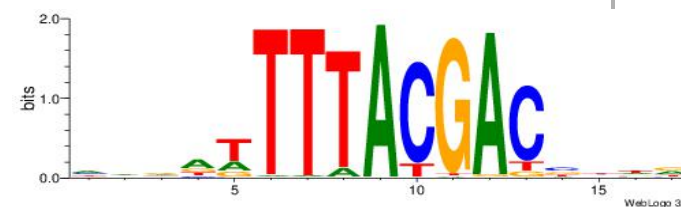
Original motif

Consensus sequence: HHDVGTCGTAAAAHHHD



Reverse complement motif

Consensus sequence: DHDHTTTTACGACVDHD



Motif ID: [UP00135](#)
 Motif name: Hoxc12
 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: 0.0076403

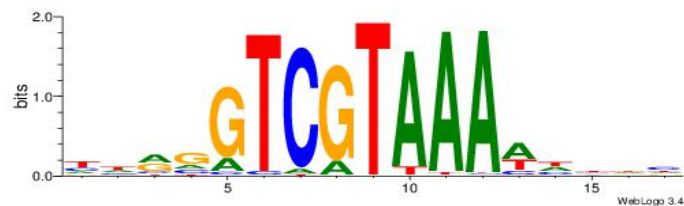
Alignment:

DDVHWTTTACGACCKHH

-----TTTACTAAAT--

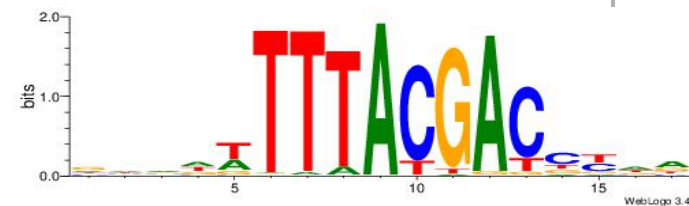
Original motif

Consensus sequence: HHRGGTCGTAAAWHBDH



Reverse complement motif

Consensus sequence: DDVHWTTTACGACCKHH



Motif ID: [UP00117](#)

Motif name: Hoxd11

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: 0.00864633

Alignment:

DDDHTTTTACGACVDHH

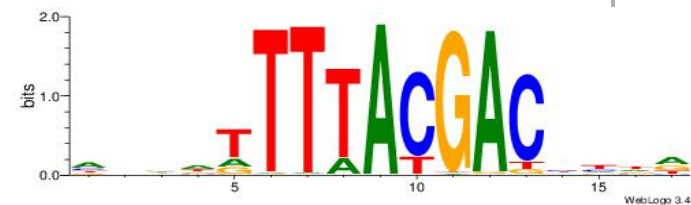
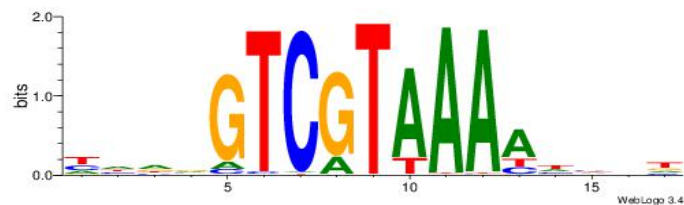
-----TTTACTAAAT--

Original motif

Consensus sequence: HHDVGTCGTAAAHHHD

Reverse complement motif

Consensus sequence: DDDHTTTTACGACVDHH

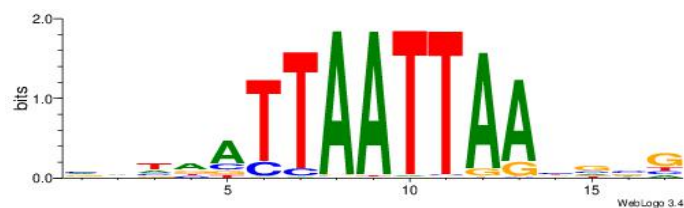


Motif ID: [UP00142](#)
 Motif name: Uncx4.1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0100967

Alignment:
 CVVBTTAATTAATDHDV
 ---TTTACTAAAT----

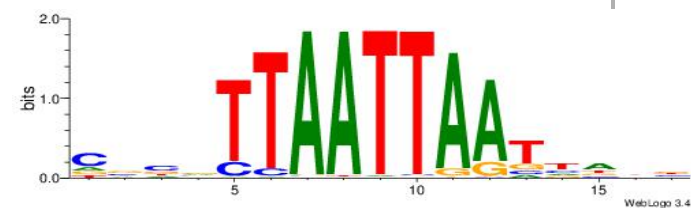
Original motif

Consensus sequence: VDHDATTAATTAABVVG



Reverse complement motif

Consensus sequence: CVVBTTAATTAATDHDV



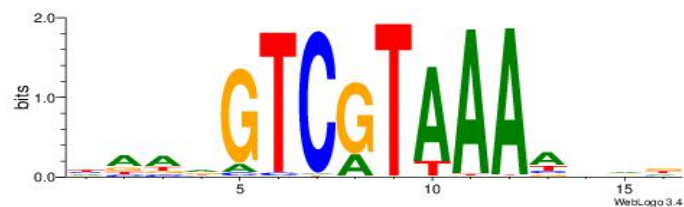
Motif ID: [UP00235](#)
 Motif name: Hoxc11
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.010176

Alignment:

HDHTTTTACGACDTTH
 ----TTTACTAAAT--

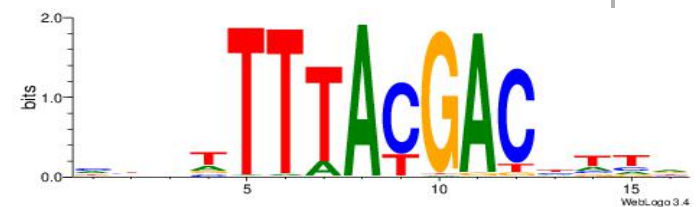
Original motif

Consensus sequence: HAADGTCGTAAAHHDD



Reverse complement motif

Consensus sequence: HDHTTTTACGACDTTH



Motif ID: [UP00246](#)
 Motif name: Hoxa11
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5

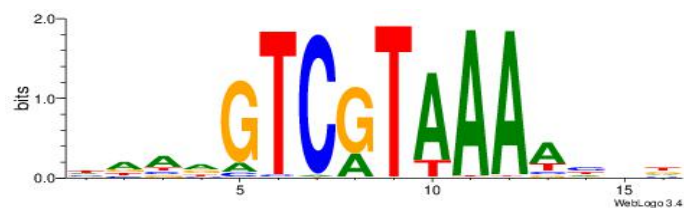
Number of overlap: 10
Similarity score: 0.0105914

Alignment:

DDTTTACGACDTH
----TTTACTAAAT--

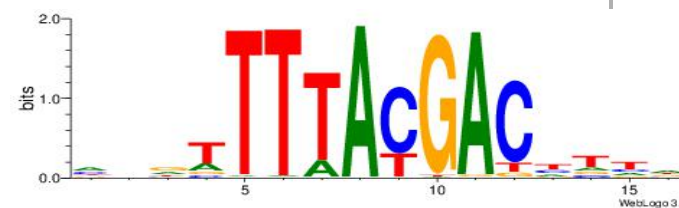
Original motif

Consensus sequence: HDADGTCGTAAAHHDD



Reverse complement motif

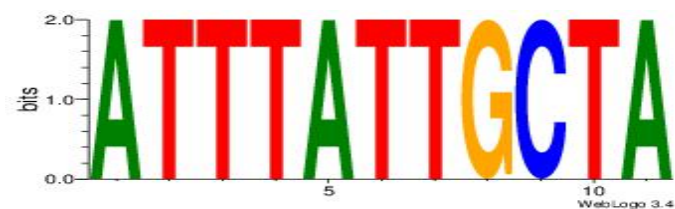
Consensus sequence: DDDTTTACGACDTH



Dataset #: 1 **Motif ID: 29** **Motif name: Motif 29**

Original motif

Consensus sequence: ATTTATTGCTA



Reverse complement motif

Consensus sequence: TAGCAATAAAT



Best Matches for Motif ID 29 (Highest to Lowest)

Motif ID: [UP00104](#)
Motif name: Hmx1
Species: Mus musculus

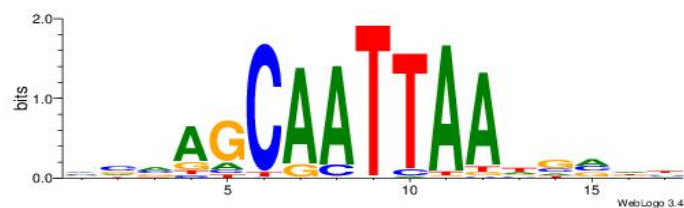
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	11
Similarity score:	0.00115362

Alignment:

```
VVVAGCAATTAADGVDB
--TAGCAATAAAT----
```

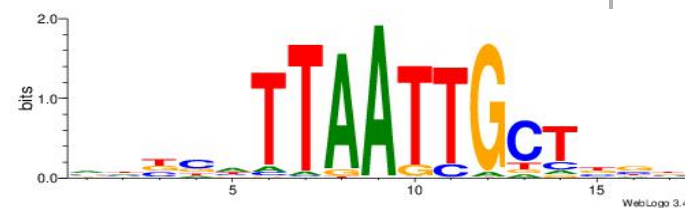
Original motif

Consensus sequence: VVVAGCAATTAADGVDB



Reverse complement motif

Consensus sequence: VDBCDTTAATTGCTBVB



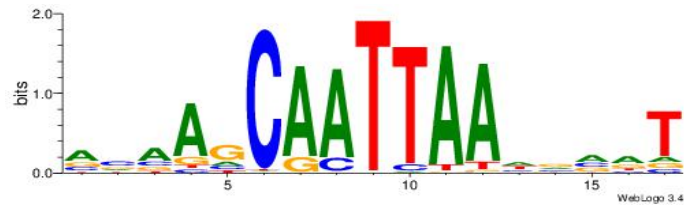
Motif ID:	UP00155
Motif name:	Hmx2
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	11
Similarity score:	0.00544084

Alignment:

ADBVHTTAATTGCTTVB
----ATTTATTGCTA--

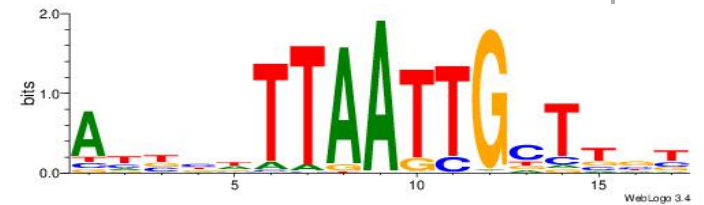
Original motif

Consensus sequence: VVAAGCAATTAAHVVD



Reverse complement motif

Consensus sequence: ADBVHTTAATTGCTTVB



Motif ID:	UP00157
Motif name:	Hmx3
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:	0.00624569

Alignment:

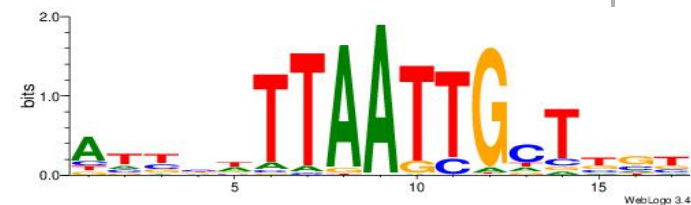
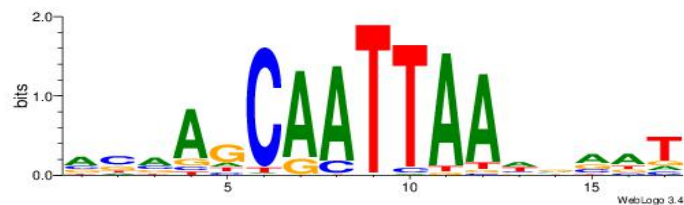
VBVAGCAATTAAHVVD
--TAGCAATAAAT----

Original motif

Consensus sequence: VBVAGCAATTAAHVVD

Reverse complement motif

Consensus sequence: ATBVHTTAATTGCTBB

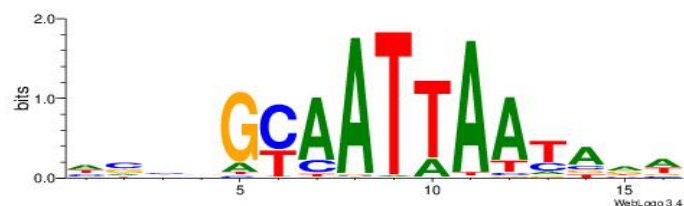


Motif ID: [UP00263](#)
 Motif name: Hoxb8
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.00742166

Alignment:
 HVBDGYAATTAATADW
 --TAGCAATAAAT---

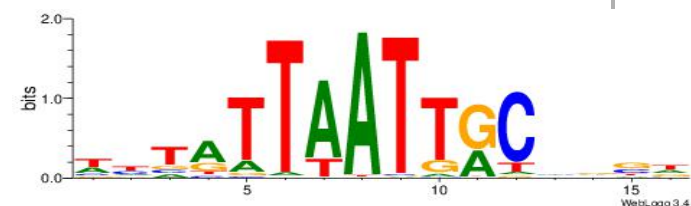
Original motif

Consensus sequence: HVBDGYAATTAATADW



Reverse complement motif

Consensus sequence: WDTATTAATTKCHBVH



Motif ID: [UP00133](#)

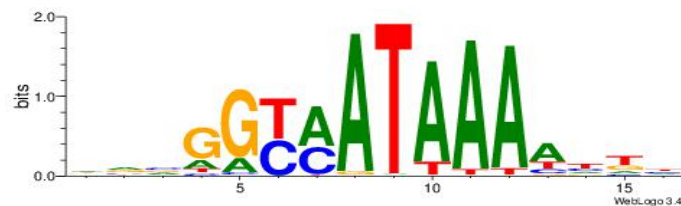
Motif name: Cdx2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0101377

Alignment:

DVVGGYMATAAAAHKH
 --TAGCAATAAAT---

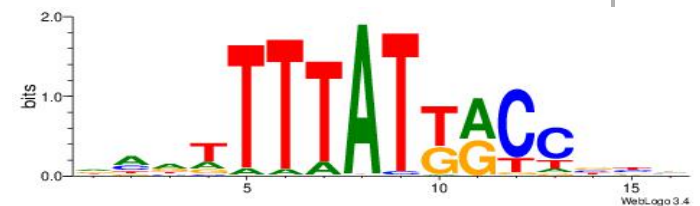
Original motif

Consensus sequence: DVVGGYMATAAAAHKH



Reverse complement motif

Consensus sequence: HRHTTTTATYMCCVBD



Motif ID: [UP00207](#)
 Motif name: Hoxb9
 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: 0.0107409

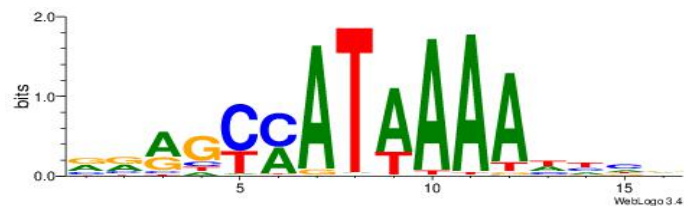
Alignment:

VRRGCMATAAAHHHD

-TAGCAATAAAT----

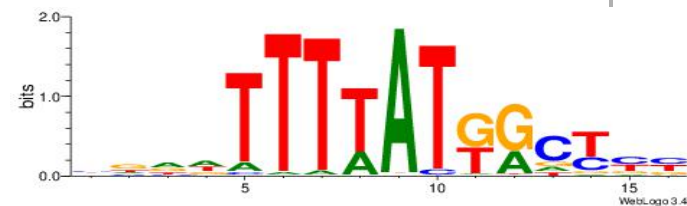
Original motif

Consensus sequence: VRRGCMATAAAHHHD



Reverse complement motif

Consensus sequence: HDHHTTTTATRGCKMV



Motif ID: [UP00145](#)

Motif name: Barhl2

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: 0.0138179

Alignment:

HAMAAHCAATTAABHH

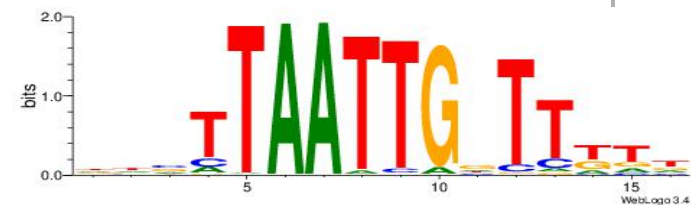
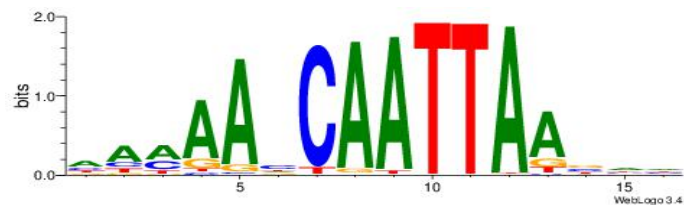
---TAGCAATAAAT--

Original motif

Consensus sequence: HAMAAHCAATTAABHH

Reverse complement motif

Consensus sequence: HHBTTAATTGDTTYTH



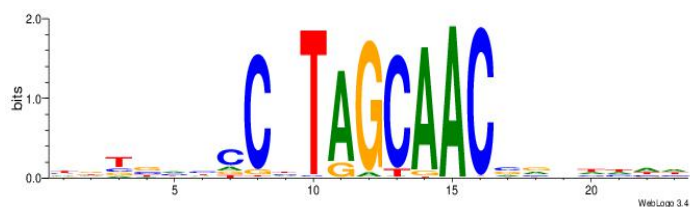
Motif ID: [UP00098](#)
 Motif name: Rfx3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10
 Number of overlap: 11
 Similarity score: 0.0142512

Alignment:

HDTBHHCCHTAGCAACVVDHHHH
 -----TAGCAATAAAT----

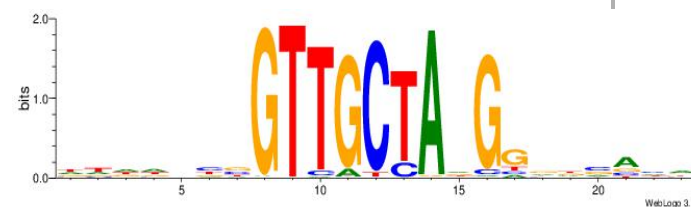
Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH



Reverse complement motif

Consensus sequence: HHHHDVVGTGCTAHGGDHBAAH



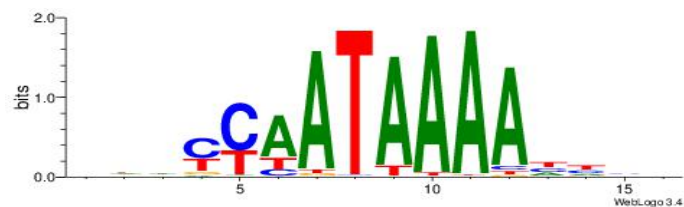
Motif ID: [UP00180](#)
 Motif name: Hoxd13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.01435

Alignment:

HDHYAATAAAHHHH
 -TAGCAATAAAT-----

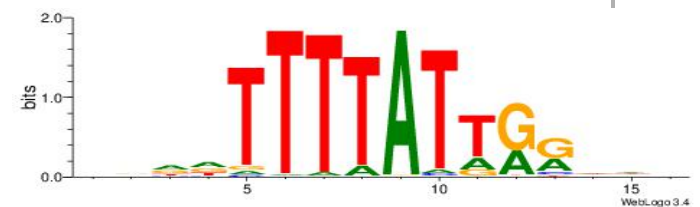
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD



Motif ID: [UP00168](#)
 Motif name: Hoxd8
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1

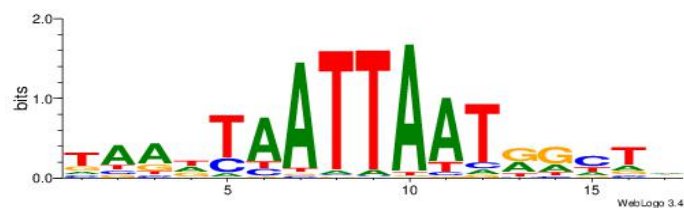
Number of overlap: 11
Similarity score: 0.0169109

Alignment:

HADCMATTAATTADTTA
TAGCAATAAAT-----

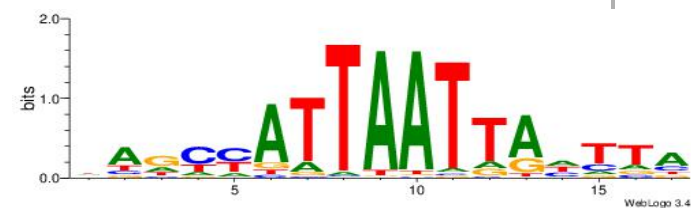
Original motif

Consensus sequence: TAAATAATTATRGHTH



Reverse complement motif

Consensus sequence: HADCMATTAATTADTTA



Dataset #: 1 **Motif ID: 30** **Motif name: Motif 30**

Original motif

Consensus sequence: TTGCTGCTTTT



Reverse complement motif

Consensus sequence: AAAAGCAGCAA



Best Matches for Motif ID 30 (Highest to Lowest)

Motif ID: [UP00027](#)
Motif name: Osr1_primary
Species: Mus musculus

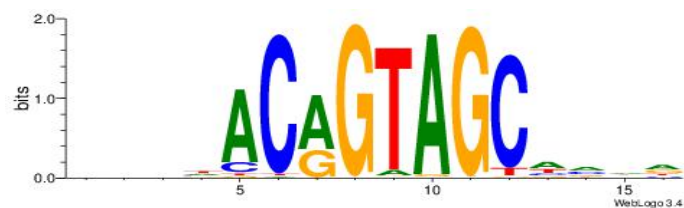
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	11
Similarity score:	0.00770725

Alignment:

DHBHGCTACKGTHDHH
 --TTGCTGCTTTT---

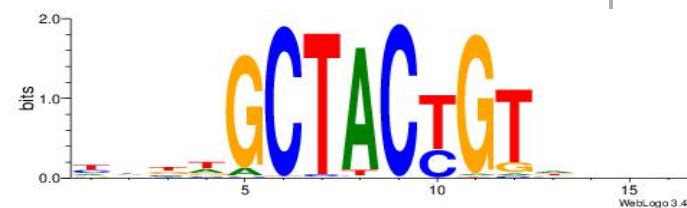
Original motif

Consensus sequence: HHDHACRGTAGCHVHD



Reverse complement motif

Consensus sequence: DHBHGCTACKGTHDHH



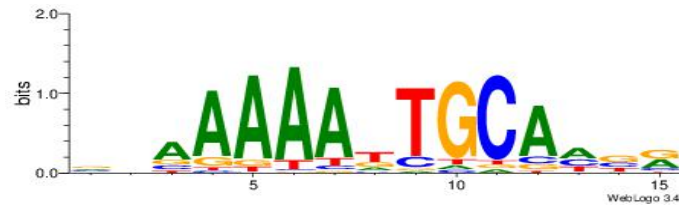
Motif ID:	UP00044
Motif name:	Mafk_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	11
Similarity score:	0.0113442

Alignment:

MBHTGCADTTTTTHV
--TTGCTGCTTTT--

Original motif

Consensus sequence: VHAAAAADTGCAHBR



Reverse complement motif

Consensus sequence: MBHTGCADTTTTTHV



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:	3
Number of overlap:	11
Similarity score:	0.0117169

Alignment:

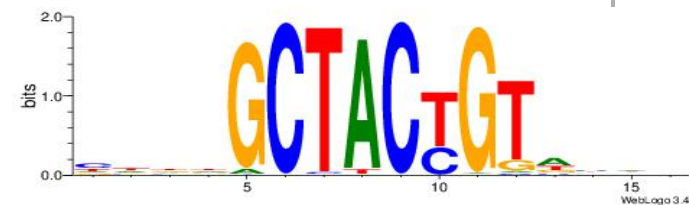
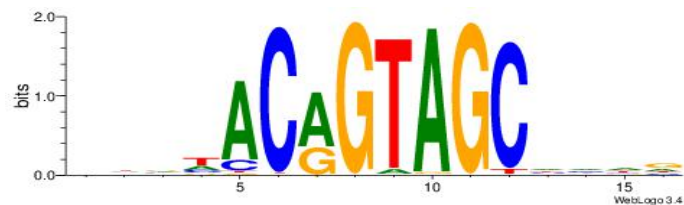
HHHHGCTACKGTHVHH
--TTGCTGCTTTT---

Original motif

Consensus sequence: HHVHACRGTAGCHHHD

Reverse complement motif

Consensus sequence: HHHHGCTACKGTHVHH

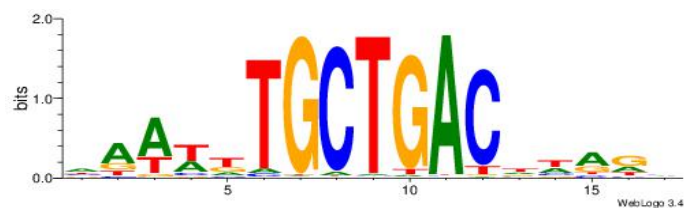


Motif ID: [UP00045](#)
 Motif name: Mafb_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0149918

Alignment:
 HAAWDTGCTGACDWARH
 ----TTGCTGCTTTT--

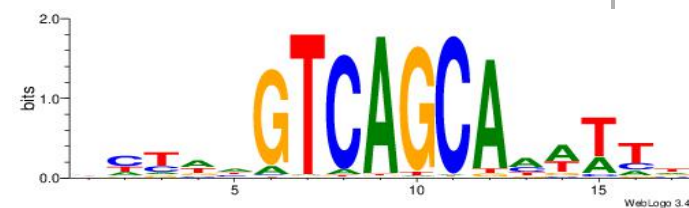
Original motif

Consensus sequence: HAAWDTGCTGACDWARH



Reverse complement motif

Consensus sequence: DMTWDGTCAGCADWTTT



Motif ID: [UP00037](#)

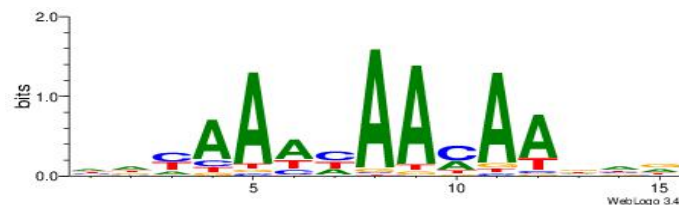
Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0204182

Alignment:

HHHTTRTTDTTCKDH
 ---TTGCTGCTTTT-

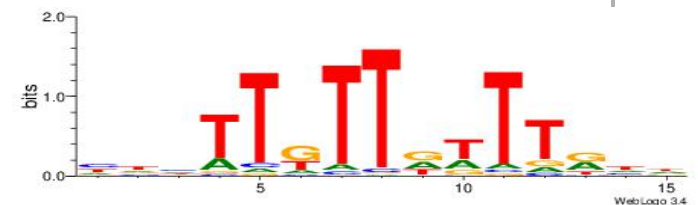
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTTRTTDTTCKDH



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: 5
 Number of overlap: 11

Similarity score: 0.0211824

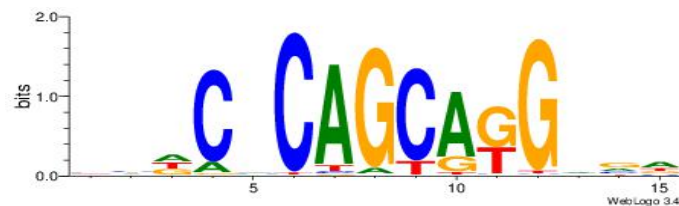
Alignment:

DVBCYTGCTGBGDDD

----TTGCTGCTTTT

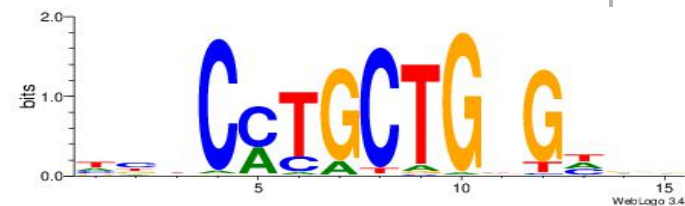
Original motif

Consensus sequence: HHDCVCAGCAKGVVD



Reverse complement motif

Consensus sequence: DVBCYTGCTGBGDDD



Motif ID: [UP00145](#)

Motif name: Barhl2

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: 0.0241392

Alignment:

HHBTTAATTGDTTYTH

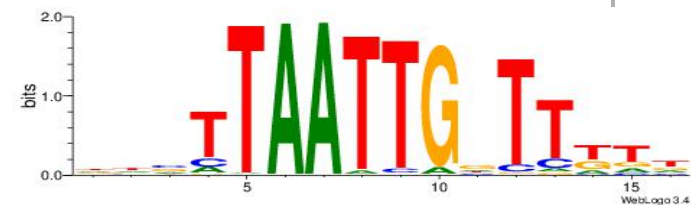
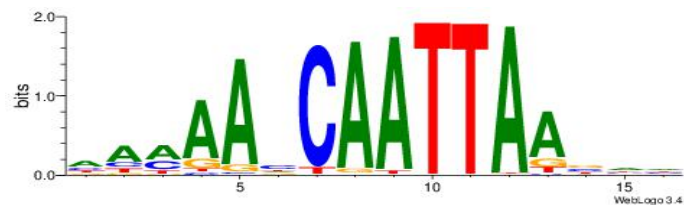
----TTGCTGCTTTT-

Original motif

Consensus sequence: HAMAAHCAATTAABHH

Reverse complement motif

Consensus sequence: HHBTTAATTGDTTYTH



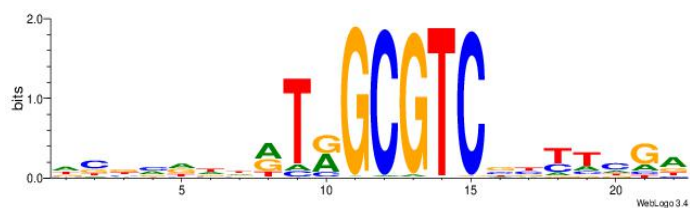
Motif ID: [UP00527](#)
 Motif name: Foxn4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 9
 Number of overlap: 11
 Similarity score: 0.0241736

Alignment:

TCDAMVBGACGCMKDDDVBBB
 ---AAAAGCAGCAA-----

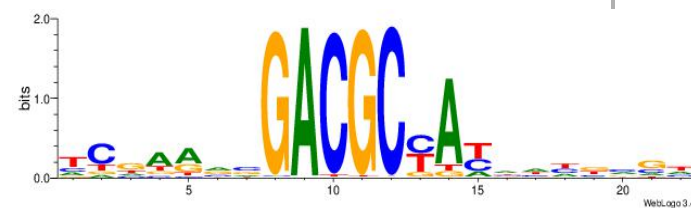
Original motif

Consensus sequence: DBBVDDDRTRGCGTCBBYTHGA



Reverse complement motif

Consensus sequence: TCDAMVBGACGCMKDDDVBBB



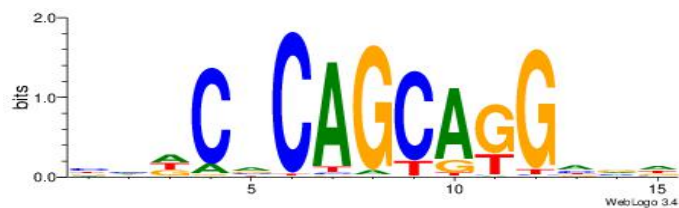
Motif ID: [UP00102](#)
 Motif name: Zic1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0245177

Alignment:

DVHCCTGCTGBGDDDB
 ----TTGCTGCTTTT

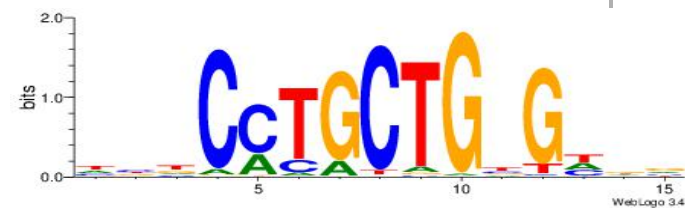
Original motif

Consensus sequence: BHDCVCAGCAGGHVD



Reverse complement motif

Consensus sequence: DVHCCTGCTGBGDDDB



Motif ID: [UP00185](#)
 Motif name: Pbx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7

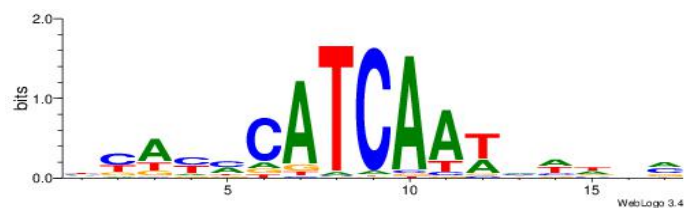
Number of overlap: 11
Similarity score: 0.0245464

Alignment:

BVDWHWTTGATGRKTKH
-----TTGCTGCTTTT

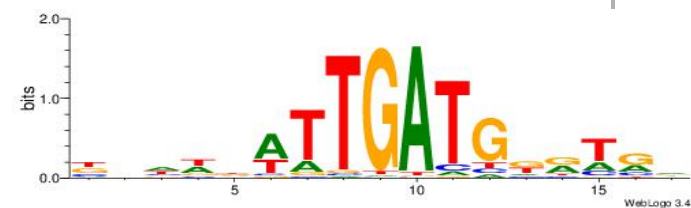
Original motif

Consensus sequence: HYAYMCATCAAWHWDVV



Reverse complement motif

Consensus sequence: BVDWHWTTGATGRKTKH



Dataset #: 1 Motif ID: 31 Motif name: Motif 31

Original motif

Consensus sequence: TTGTTGATTTT



Reverse complement motif

Consensus sequence: AAAATCAACAA



Best Matches for Motif ID 31 (Highest to Lowest)

Motif ID: [UP00061](#)
Motif name: Foxl1_primary
Species: Mus musculus

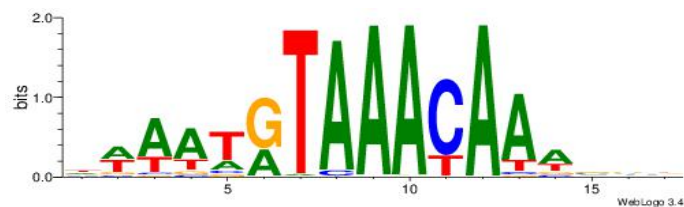
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	11
Similarity score:	0

Alignment:

```
DWAATRTAAACAAWVVB
--AAAATCAACAA----
```

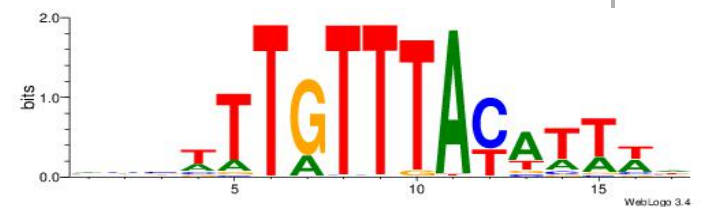
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



Motif ID:	UP00025
Motif name:	Foxk1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	11
Similarity score:	0.00256455

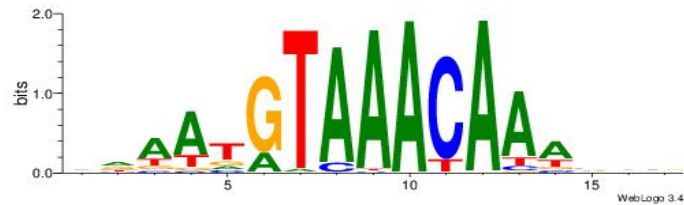
Alignment:

DDAATGTAAACAAAVVB

--AAAATCAACAA-----

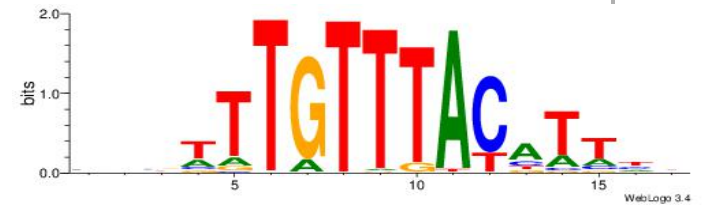
Original motif

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:

Original Motif

Direction:

Backward

Position number:

5

Number of overlap:

11

Similarity score:

0.00497188

Alignment:

HDHADGTAAACAAAVVH

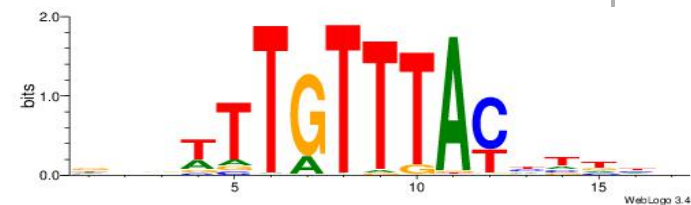
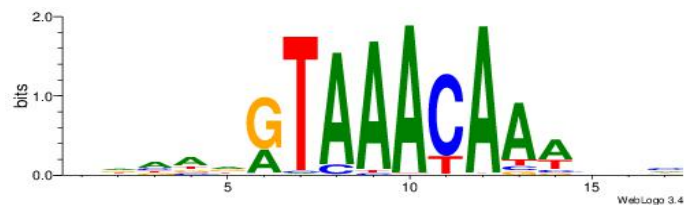
--AAAATCAACAA-----

Original motif

Consensus sequence: HDHADGTAAACAAAVVH

Reverse complement motif

Consensus sequence: DVVTTTGTTCACDTHDH

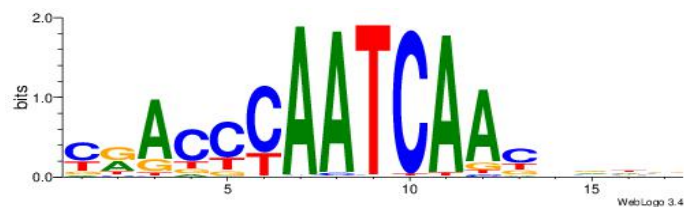


Motif ID: [UP00227](#)
 Motif name: Duxl
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.00721745

Alignment:
 VHVVGTTGATTGGGTMK
 --TTGTTGATTTT----

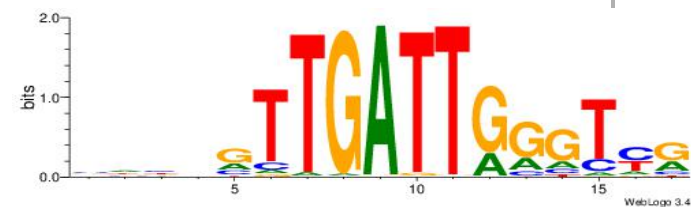
Original motif

Consensus sequence: YRACCCAATCAACVVHV



Reverse complement motif

Consensus sequence: VHVVGTTGATTGGGTMK



Motif ID: [UP00037](#)

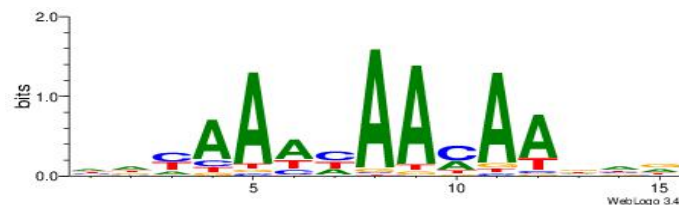
Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0101946

Alignment:

HHHTTRTTDTTCKDH
 ---TTGTTGATTTT-

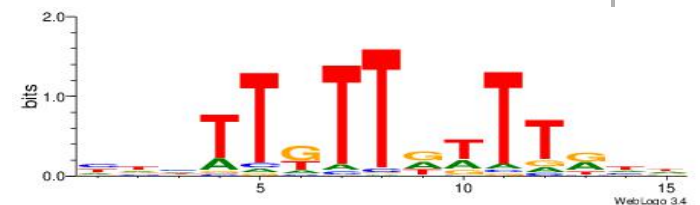
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTTRTTDTTCKDH



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: Forward
 Position number: 3
 Number of overlap: 11

Similarity score: 0.0135831

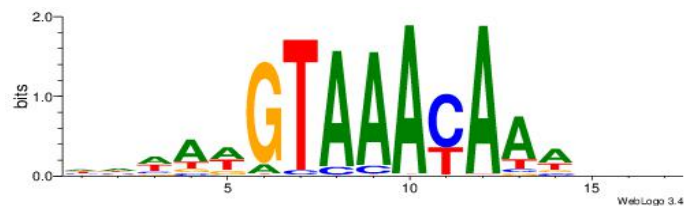
Alignment:

HHWAWGTAAAYAAVDB

--AAAATCAACAA----

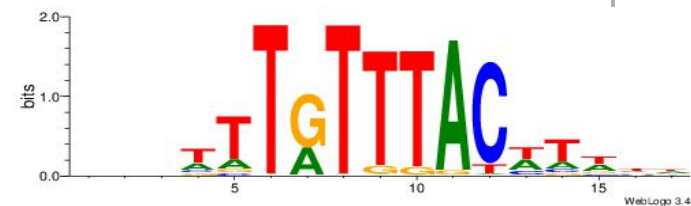
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



Motif ID: [UP00145](#)
Motif name: Barhl2
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: 0.0139419

Alignment:

HAMAAHCAATTAABHH

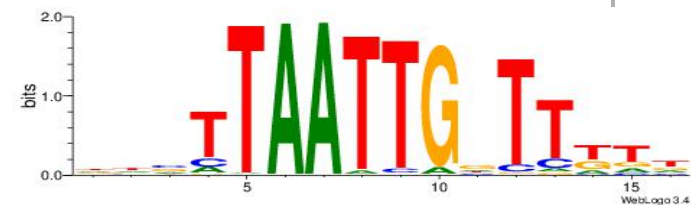
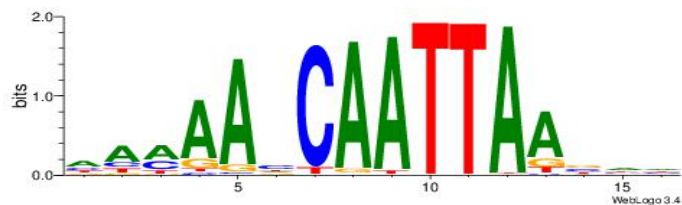
-AAAATCAACAA----

Original motif

Consensus sequence: HAMAAHCAATTAABHH

Reverse complement motif

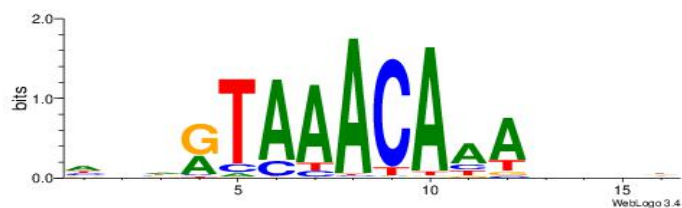
Consensus sequence: HHBTTAATTGDTTYTH



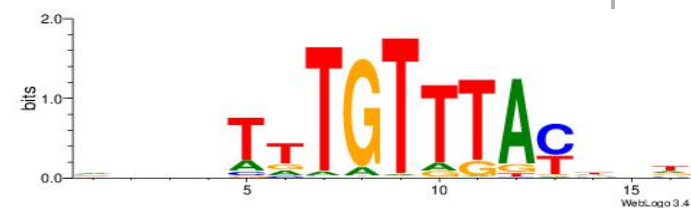
Motif ID: [UP00041](#)
 Motif name: Foxj1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0164816

Alignment:
 HDHRTAAACAAAHDDD
 AAAATCAACAA-----

Original motif
 Consensus sequence: HDHRTAAACAAAHDDD



Reverse complement motif
 Consensus sequence: DDDHTTTGTTTAMHDDH



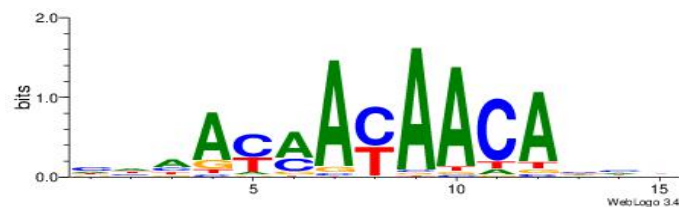
Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0220198

Alignment:

HDDTGTTKTTKTHHD
 --TTGTTGATTTT--

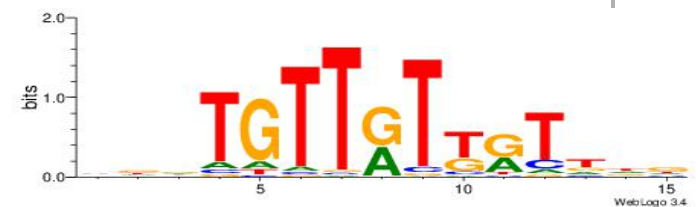
Original motif

Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



Motif ID: [UP00067](#)
 Motif name: Lef1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2

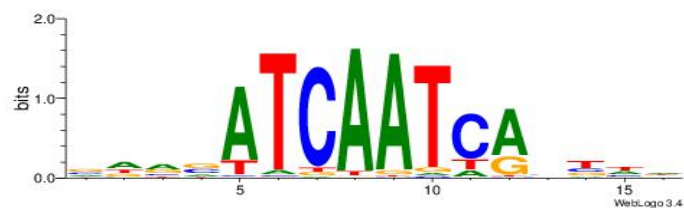
Number of overlap: 11
Similarity score: 0.0242838

Alignment:

DHVDTGATTGATVBDV
----TTGTTGATTTT--

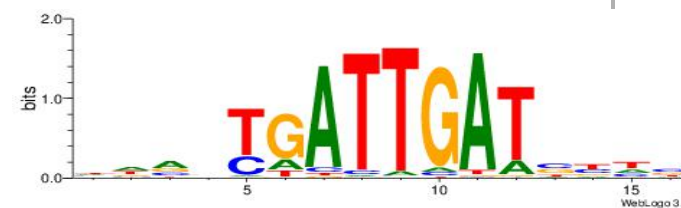
Original motif

Consensus sequence: VDVVATCAATCAHBHD



Reverse complement motif

Consensus sequence: DHVDTGATTGATVBDV



Dataset #: 1 **Motif ID: 32** **Motif name: Motif 32**

Original motif

Consensus sequence: TTACWGTTT



Reverse complement motif

Consensus sequence: AAACWGTA



Best Matches for Motif ID 32 (Highest to Lowest)

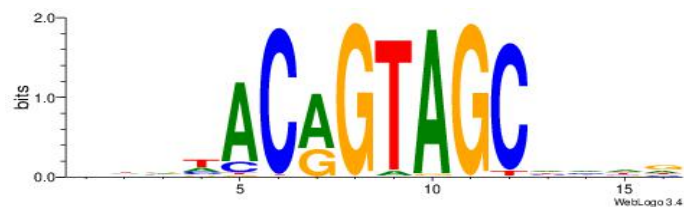
Motif ID: [UP00052](#)
Motif name: Osr2_primary
Species: Mus musculus

Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	9
Similarity score:	0.0202622

Alignment:
HHVHACRGTAGCHHHD
--AAACWGTAA-----

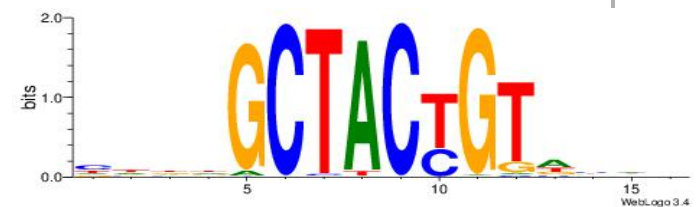
Original motif

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:	Original Motif
Direction:	Backward
Position number:	6
Number of overlap:	9
Similarity score:	0.0205632

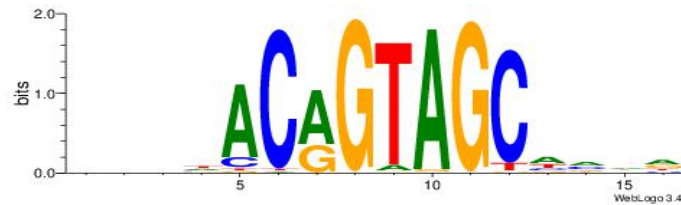
Alignment:

HHDHACRGTAGCHVHD

--AAACWGTAA-----

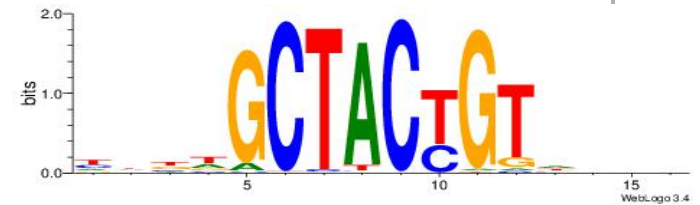
Original motif

Consensus sequence: HHDHACRGTAGCHVHD



Reverse complement motif

Consensus sequence: DHBHGCTACKGTHDHH



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:

1

Number of overlap:

9

Similarity score:

0.0212082

Alignment:

HHWAWGTAAAYAAVDB

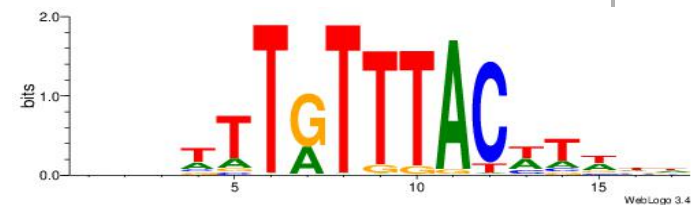
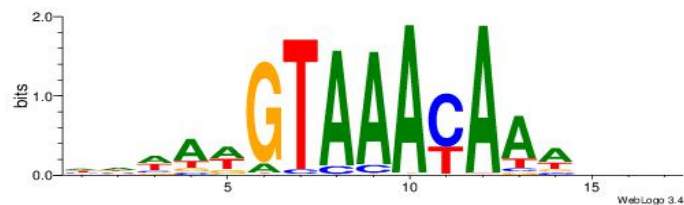
-----TTACWGTTT

Original motif

Consensus sequence: HHWAWGTAAAYAAVDB

Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



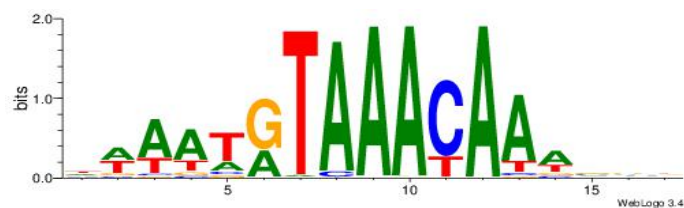
Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 9
 Similarity score: 0.0213447

Alignment:

VVVWTTGTTTAMATTWD
 -----TTACWGTTT

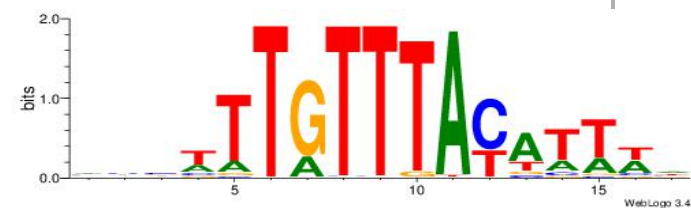
Original motif

Consensus sequence: DWAATRTAAACA WVV B



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



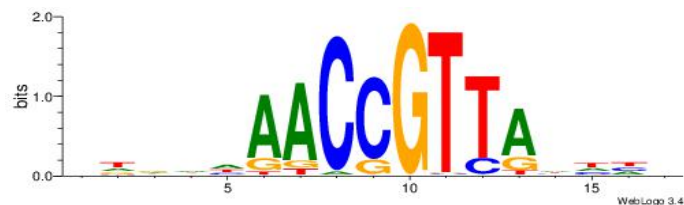
Motif ID: [UP00081](#)

Motif name: Mybl1_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: 9
 Similarity score: 0.0237771

Alignment:
 DHHHTAACGGTTHDHDH
 ----TTACWGTTT----

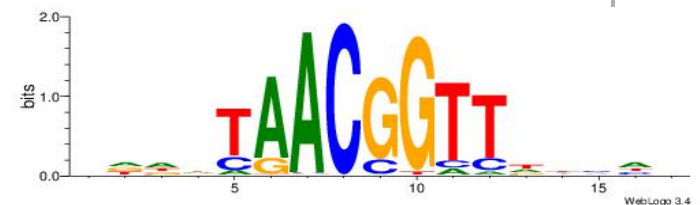
Original motif

Consensus sequence: HDDDHAACGGTTAHHHD



Reverse complement motif

Consensus sequence: DHHHTAACGGTTHDHDH



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: Forward
 Position number: 9
 Number of overlap: 9

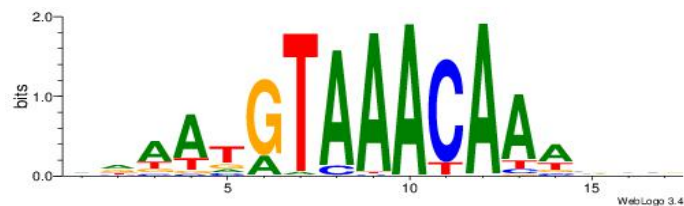
Similarity score: 0.0240192

Alignment:

BBVTTTGTTTACATTDD
-----TTACWGTTT

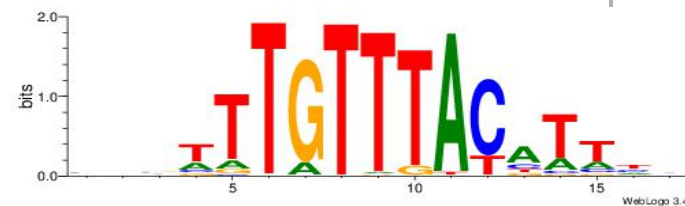
Original motif

Consensus sequence: DDAATGTAAACAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD



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: 4
Number of overlap: 9
Similarity score: 0.0245505

Alignment:

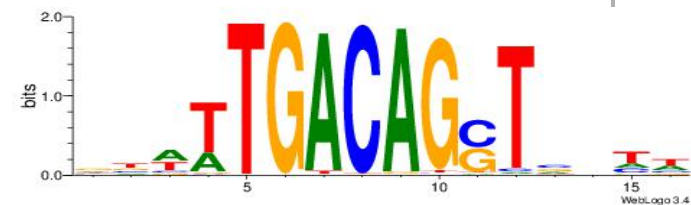
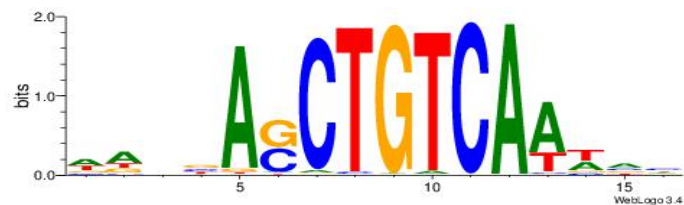
DBWTTGACAGSTBVTW
----TTACWGTTT---

Original motif

Consensus sequence: WAVBASCTGTCAAWVH

Reverse complement motif

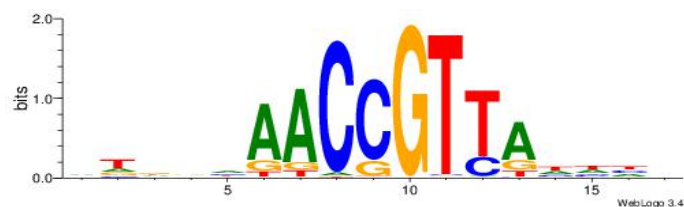
Consensus sequence: DBWTTGACAGSTBVTW



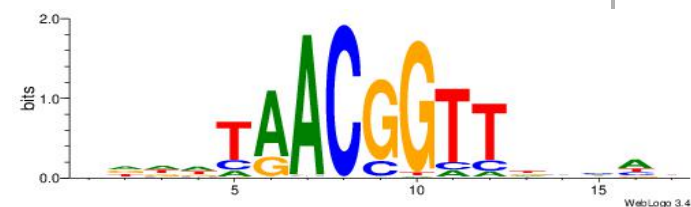
Motif ID: [UP00092](#)
 Motif name: Myb_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 9
 Similarity score: 0.0258406

Alignment:
 HDDDHAACCGTTAHHHD
 ----AAACWGTA-----

Original motif
 Consensus sequence: HDDDHAACCGTTAHHHD



Reverse complement motif
 Consensus sequence: DHHHTAACGGTTHHHDH



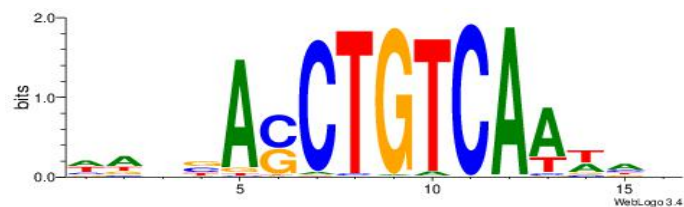
Motif ID: [UP00226](#)
 Motif name: Mrg1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 9
 Similarity score: 0.0267732

Alignment:

BHWTTGACAGSTBBTW
 ----TTACWGT---

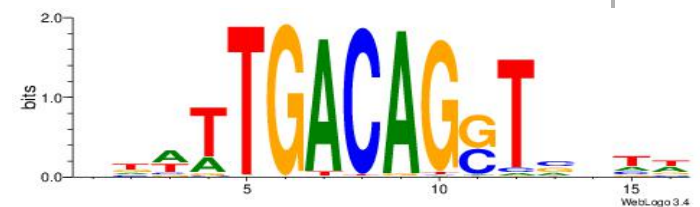
Original motif

Consensus sequence: WAVBASCTGTCAAWHB



Reverse complement motif

Consensus sequence: BHWTTGACAGSTBBTW



Motif ID: [UP00203](#)
 Motif name: Pknox1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4

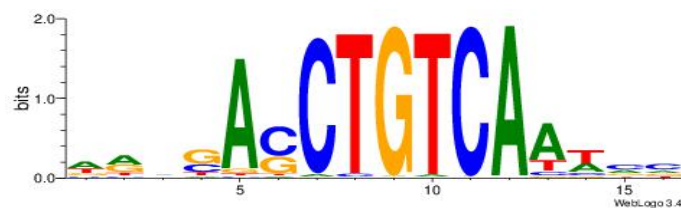
Number of overlap: 9
Similarity score: 0.0277187

Alignment:

VVWTTGACAGSTSBKD
-----TTACWGTTT---

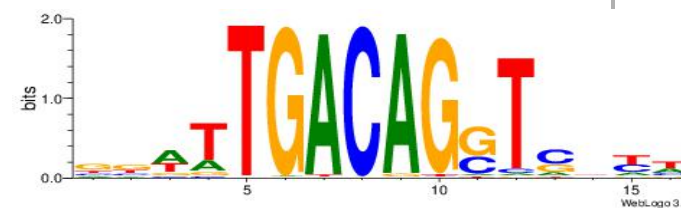
Original motif

Consensus sequence: DRVSASCTGTCAAWV



Reverse complement motif

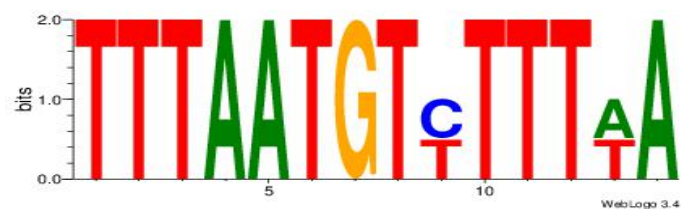
Consensus sequence: VVWTTGACAGSTSBKD



Dataset #: 1 Motif ID: 33 Motif name: Motif 33

Original motif

Consensus sequence: TTTAATGTYTTTWA



Reverse complement motif

Consensus sequence: TWAAAKACATTAAA



Best Matches for Motif ID 33 (Highest to Lowest)

Motif ID: [UP00171](#)
Motif name: Msx3
Species: Mus musculus

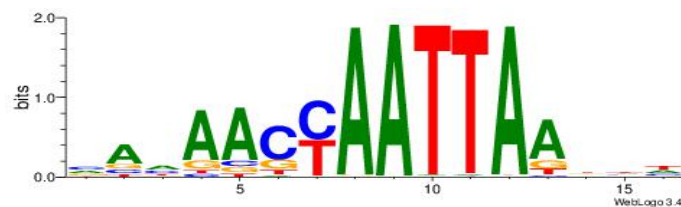
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	14
Similarity score:	0.0143635

Alignment:

```
HHVTTAATTKGTTHTV
--TTTAATGTYTTTWA
```

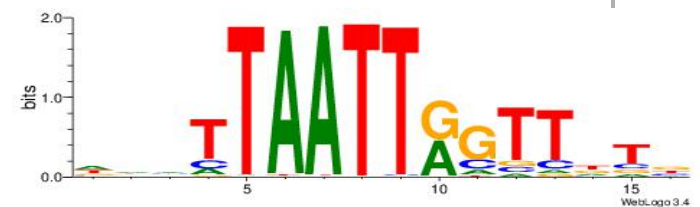
Original motif

Consensus sequence: VAHAACYAATTAABHH



Reverse complement motif

Consensus sequence: HHVTTAATTKGTTHTV



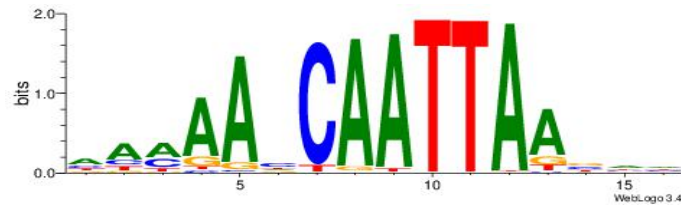
Motif ID:	UP00145
Motif name:	Barhl2
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	14
Similarity score:	0.0149596

Alignment:

```
HHBTTAATTGDDTTYTH  
--TTTAATGTYYTTTWA
```

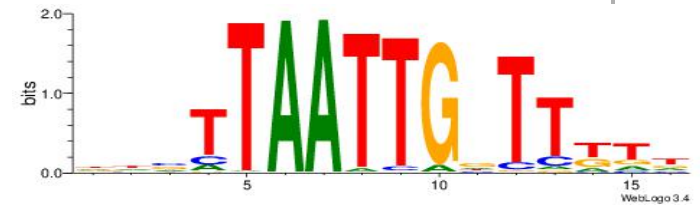
Original motif

Consensus sequence: HMAAHCAATTAABHH



Reverse complement motif

Consensus sequence: HHBTTAATTGDDTTYTH



Motif ID:	UP00170
Motif name:	Isl2
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:	0.0226802

Alignment:

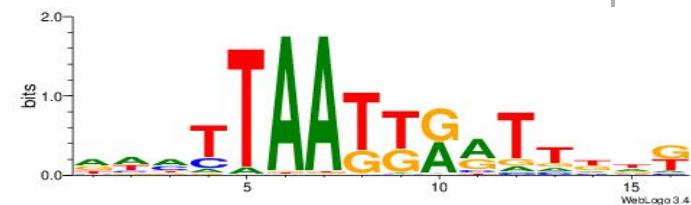
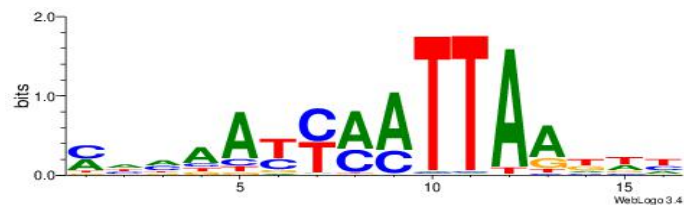
```
HWDTTAATYKMTTHHR  
--TTTAATGTYYTTTWA
```

Original motif

Consensus sequence: MHHAAYMATTAADWH

Reverse complement motif

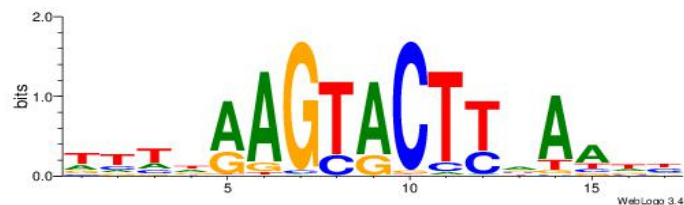
Consensus sequence: HWDTTAATYKMTTHHR



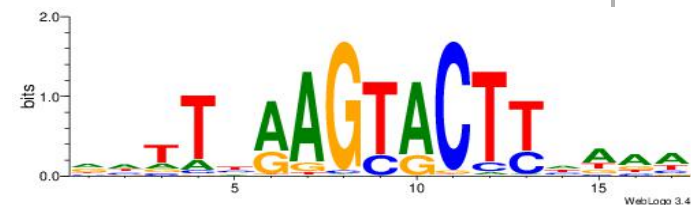
Motif ID: [UP00119](#)
 Motif name: Nkx2-9
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0229232

Alignment:
 HDTTBAAGTACTTDAAG
 ---TWAAAKACATTAAA

Original motif
 Consensus sequence: TTTDAAGTACTTVAADH



Reverse complement motif
 Consensus sequence: HDTTBAAGTACTTDAAG



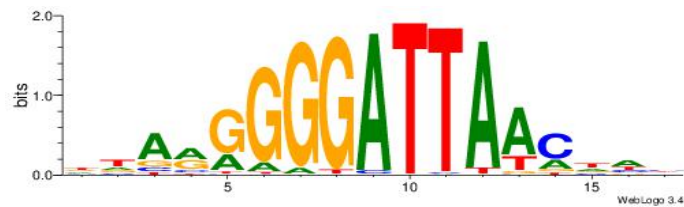
Motif ID: [UP00216](#)
 Motif name: Obox1

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: 0.0255021

Alignment:
DHDGTTAATCCCCKTDD
TWAAAKACATTAAA---

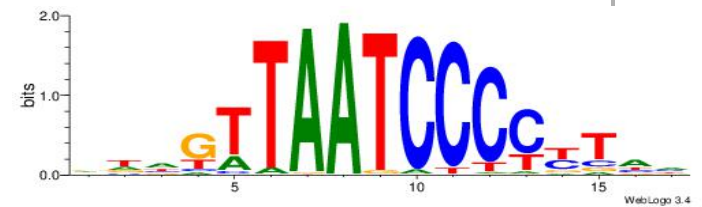
Original motif

Consensus sequence: DDARGGGGATTAACDHH



Reverse complement motif

Consensus sequence: DHDGTTAATCCCCKTDD



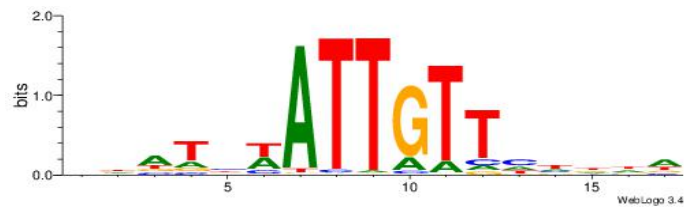
Motif ID: [UP00051](#)
Motif name: Sox8_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 14
Similarity score: 0.0266643

Alignment:

DDATBWATTGTTHHDDD
---TTTAATGTYTTTWA

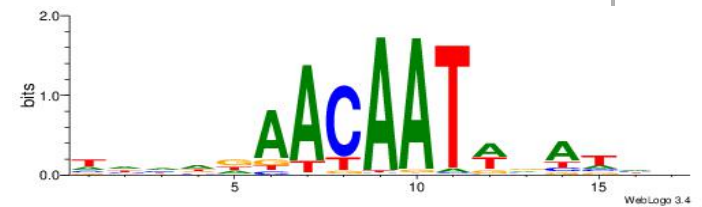
Original motif

Consensus sequence: DDATBWATTGTTHHDDD



Reverse complement motif

Consensus sequence: DDDHDAACAATWBATDD



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:	Forward
Position number:	3
Number of overlap:	14
Similarity score:	0.0288082

Alignment:

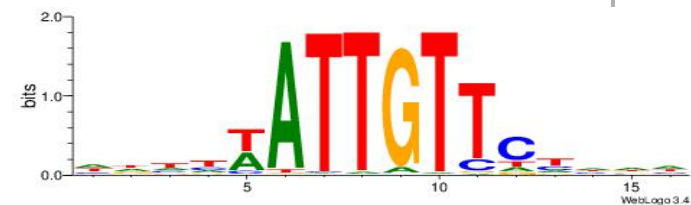
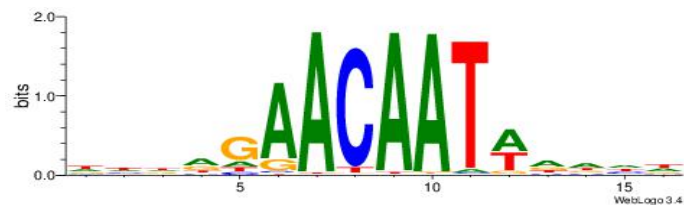
DHDDWATTGTTCDHHD
--TTTAATGTYTTTWA

Original motif

Consensus sequence: DHDDGAACAATWDDHD

Reverse complement motif

Consensus sequence: DHDDWATTGTTCDHHD

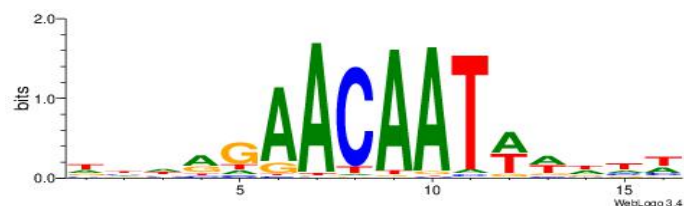


Motif ID: [UP00096](#)
 Motif name: Sox13_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0301291

Alignment:
 WHDWWATTGTTCKDHD
 --TTTAATGTYTTTWA

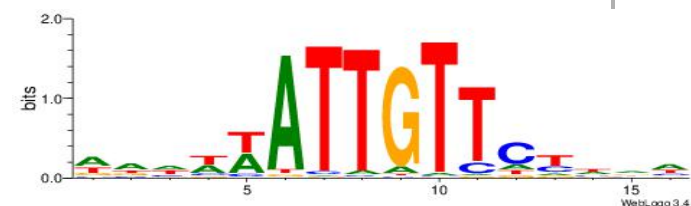
Original motif

Consensus sequence: DHDRGAACAATWWDHW



Reverse complement motif

Consensus sequence: WHDWWATTGTTCKDHD



Motif ID: [UP00166](#)

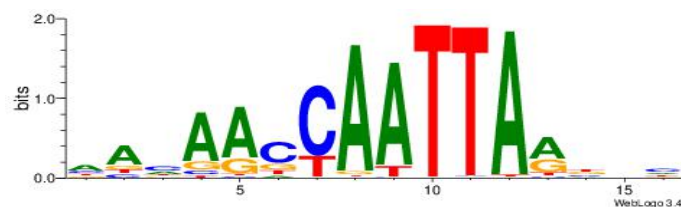
Motif name:	Barhl1
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	14
Similarity score:	0.0303352

Alignment:

```
DDVKTAATTGGTTDTH
--TTTAATGTYTTTWA
```

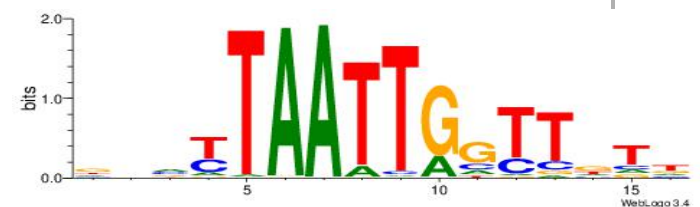
Original motif

Consensus sequence: HAHAACCAATTARBDH



Reverse complement motif

Consensus sequence: DDVKTAATTGGTTDTH



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:	8
Number of overlap:	14

Similarity score: 0.0304836

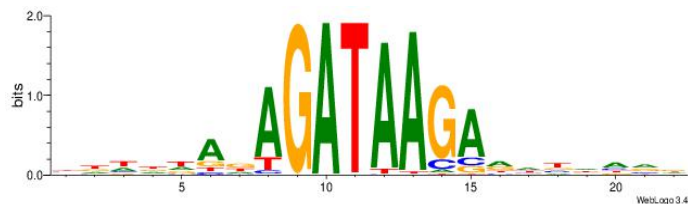
Alignment:

BDHDDADAGATAAGADHBDHVD

-TWAAAKACATTAAA-----

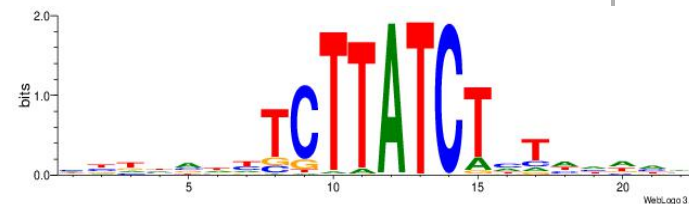
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



Dataset #: 1 Motif ID: 34 Motif name: Motif 34

Original motif

Consensus sequence: AAAGATGA



Reverse complement motif

Consensus sequence: TCATCTTT



Best Matches for Motif ID 34 (Highest to Lowest)

Motif ID:	UP00032
Motif name:	Gata3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement

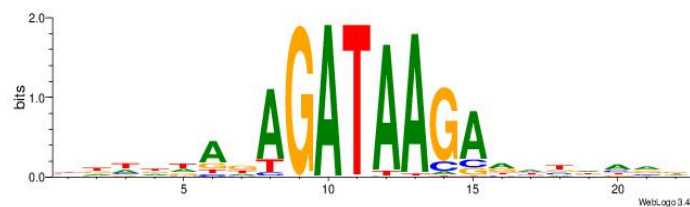
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	6
Number of overlap:	8
Similarity score:	0.0235901

Alignment:

```
HBHDVHDTCTTATCTHTDDHDV
-----TCATCTTT-----
```

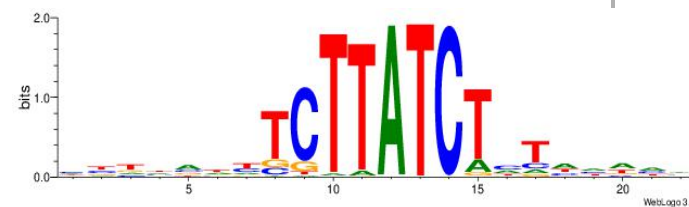
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



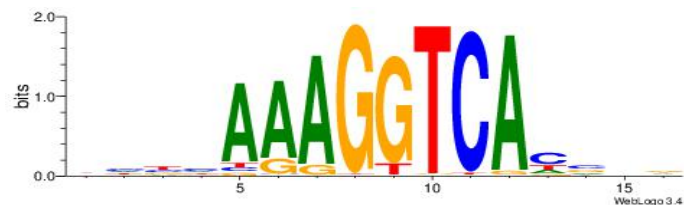
Motif ID:	UP00048
Motif name:	Rara
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	8
Similarity score:	0.0248583

Alignment:

HHVGTGACCTTTDVDD
-----TCATCTTT-----

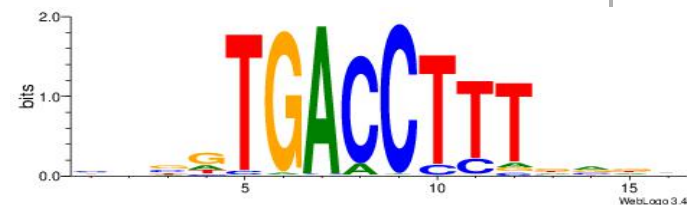
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD



Motif ID:	UP00009
Motif name:	Nr2f2_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	8
Similarity score:	0.0320787

Alignment:

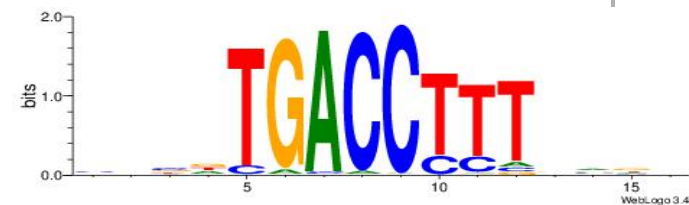
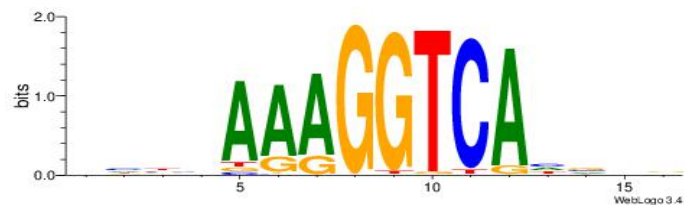
BHVDTGACCTTTDVDD
-----TCATCTTT-----

Original motif

Consensus sequence: DHBHAAAGGTCAHVHB

Reverse complement motif

Consensus sequence: BHVDTGACCTTTDVDD

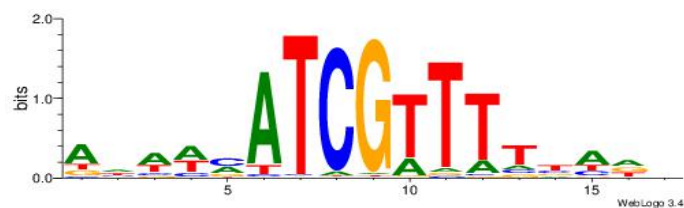


Motif ID: [UP00114](#)
 Motif name: Homez
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0353395

Alignment:
 HDTVAAAACGATRWWHT
 -----AAAGATGA---

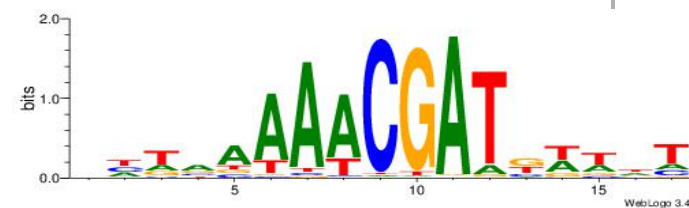
Original motif

Consensus sequence: AHWWMATCGTTTTBADD



Reverse complement motif

Consensus sequence: HDTVAAAACGATRWWHT



Motif ID: [UP00046](#)

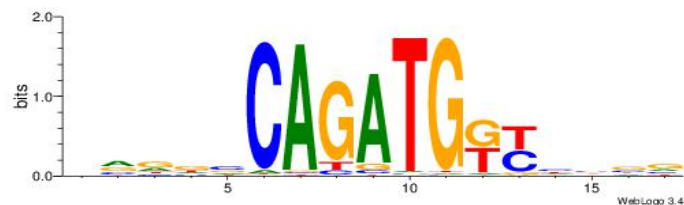
Motif name: Tcfe2a_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0375145

Alignment:

VBBDMYCATCTGVHBBH
 -----TCATCTTT-----

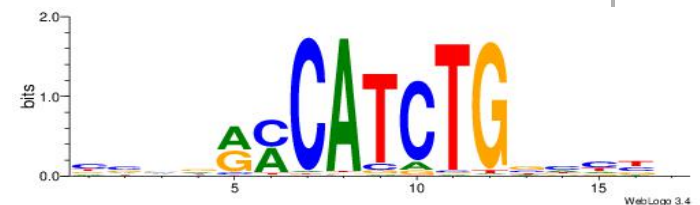
Original motif

Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif

Consensus sequence: VBBDMYCATCTGVHBBH



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: 0.0391681

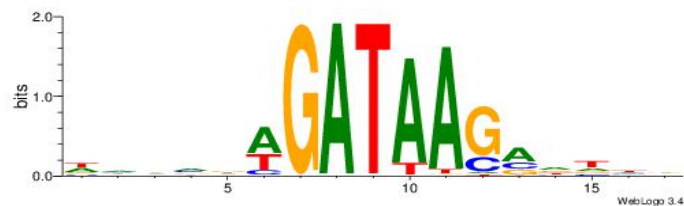
Alignment:

VHDDTCTTATCWHBDHD

-----TCATCTTT---

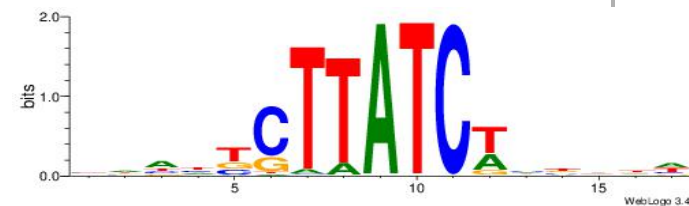
Original motif

Consensus sequence: DHDVDWGATAAGADDHV



Reverse complement motif

Consensus sequence: VHDDTCTTATCWHBDHD



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: 6
Number of overlap: 8
Similarity score: 0.0437411

Alignment:

VAAAGMGAAGTWD

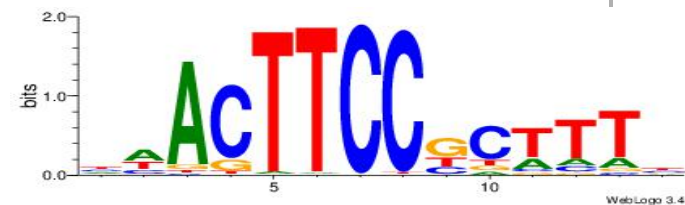
-AAAGATGA-----

Original motif

Consensus sequence: VAAAGMGAAGTWD

Reverse complement motif

Consensus sequence: DWACTTCRCCTTTB

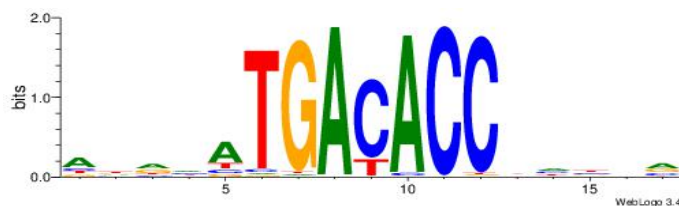


Motif ID: [UP00199](#)
 Motif name: Six4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.0467222

Alignment:
 BBVHVGGTGTGTCATHDDT
 -----TCATCTTT

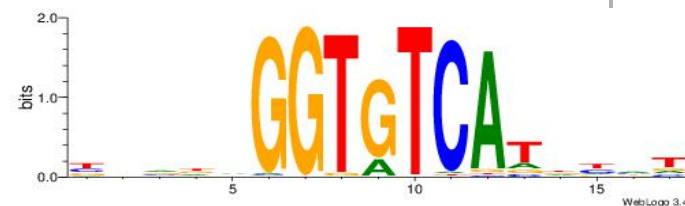
Original motif

Consensus sequence: ADDHATGACACCBHBBV



Reverse complement motif

Consensus sequence: BBVHVGGTGTGTCATHDDT



Motif ID: [UP00219](#)
 Motif name: Cutl1_3494.2

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: 0.0483168

Alignment:
 DAVTGATRATCAHTD
 -AAAGATGA-----

Original motif

Consensus sequence: DAVTGATRATCAHTD



Reverse complement motif

Consensus sequence: DADTGATMATCABTD



Motif ID: [UP00208](#)
 Motif name: Obox5_3963.2
 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: 0.0488248

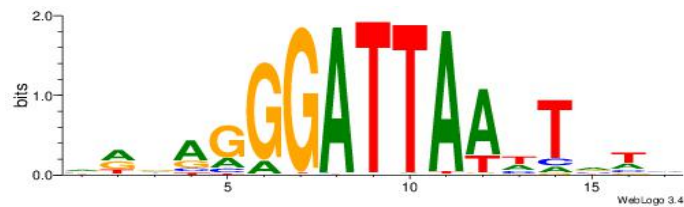
Alignment:

VRVAGGGATTAAHTVWV

---AAAGATGA-----

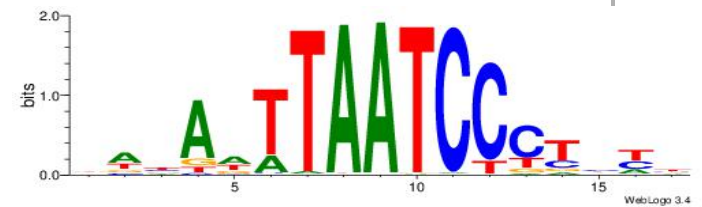
Original motif

Consensus sequence: VRVAGGGATTAAHTVWV



Reverse complement motif

Consensus sequence: VWBAHTTAATCCCTVKB



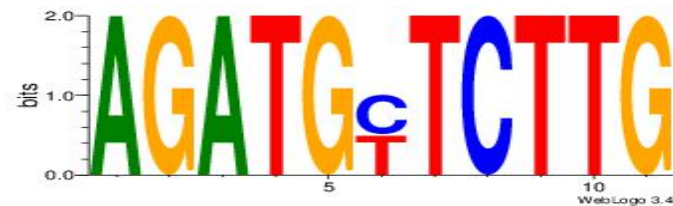
Dataset #: 1

Motif ID: 35

Motif name: Motif 35

Original motif

Consensus sequence: AGATGYTCTTG



Reverse complement motif

Consensus sequence: CAAGAKCATCT



Best Matches for Motif ID 35 (Highest to Lowest)

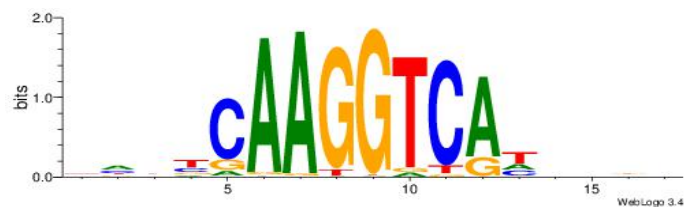
Motif ID:	UP00079
Motif name:	Esrra_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif

Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.0140765

Alignment:
DHDBCAAGGTCAHVBDH
----CAAGAKCATCT--

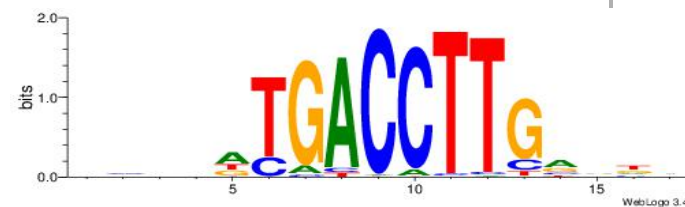
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



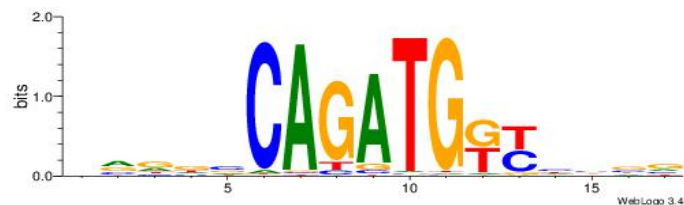
Motif ID: [UP00046](#)
Motif name: Tcfe2a_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 7
Number of overlap: 11
Similarity score: 0.0175222

Alignment:

HVDDVCAGATGKYHBBV
-----AGATGYTCTTG

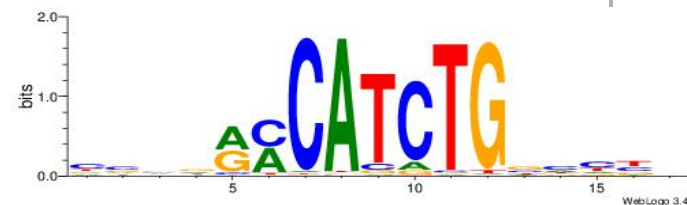
Original motif

Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif

Consensus sequence: VBBDMYCATCTGVHHBH



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:	6
Number of overlap:	11
Similarity score:	0.0209646

Alignment:

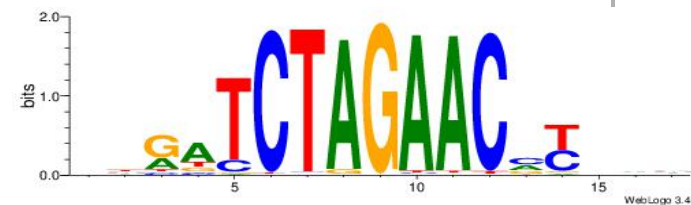
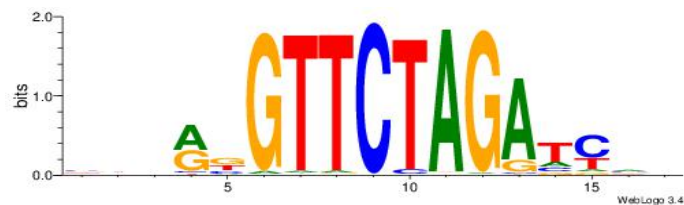
BDHRBGTTCCTAGATCVB
-AGATGYTCTTG-----

Original motif

Consensus sequence: BDHRBGTTCCTAGATCVB

Reverse complement motif

Consensus sequence: BBGATCTAGAACBKHDB

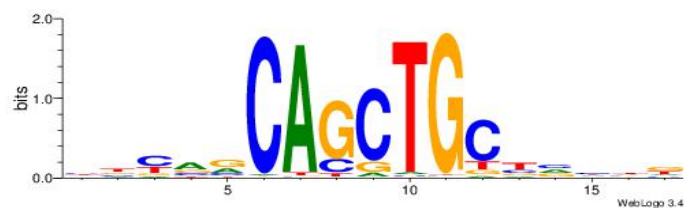


Motif ID: [UP00099](#)
 Motif name: Ascl2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0302699

Alignment:
 BBYVVCAGCTGCBVHHD
 -----AGATGYTCTTG

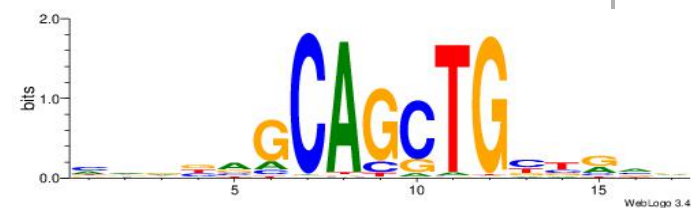
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HHDVVCAGCTGVBKVB



Motif ID: [UP00048](#)

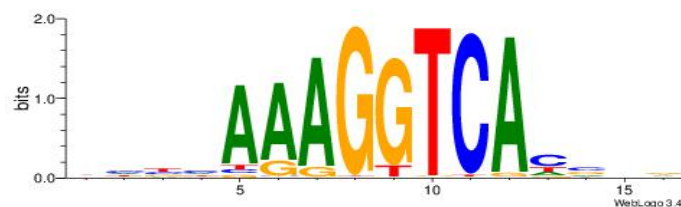
Motif name: Rara
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0317546

Alignment:

DHBHAAAGGTCACVHD
 ----CAAGAKCATCT-

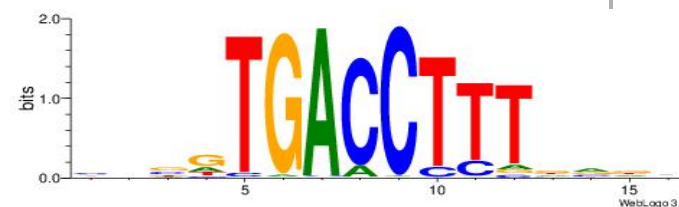
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD

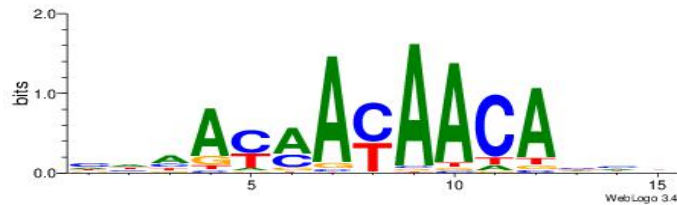


Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 11

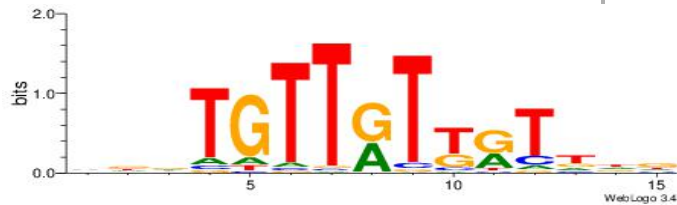
Similarity score: 0.0329048

Alignment:
HDDTGTTKTTKTHHD
AGATGYTCTTG----

Original motif
Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif
Consensus sequence: HDDTGTTKTTKTHHD

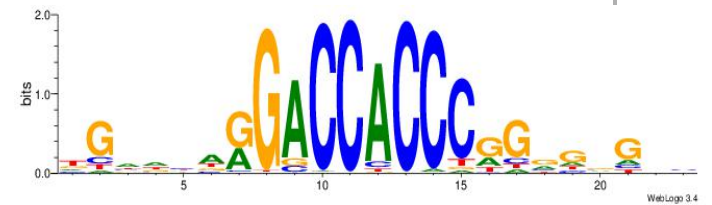
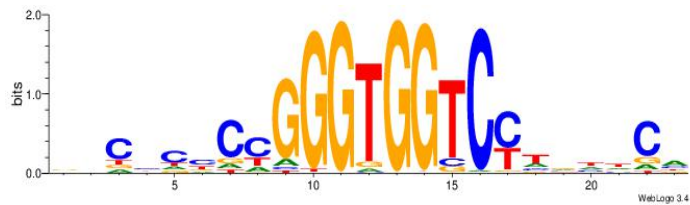


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 9
Number of overlap: 11
Similarity score: 0.0350601

Alignment:
BHCBCBCCGGGTGGTCYHVHDCH
-----AGATGYTCTTG----

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH

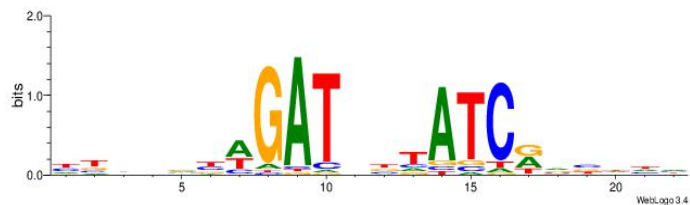
Reverse complement motif
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



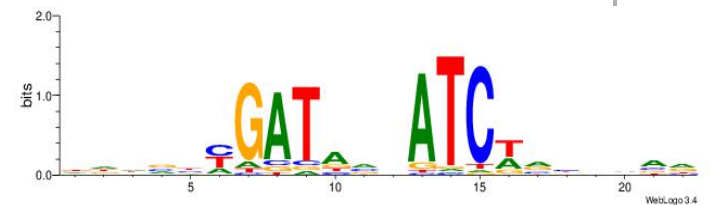
Motif ID: [UP00032](#)
 Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0366699

Alignment:
 HBHDVBWGATHBTATCRVBHHH
 -----AGATGYTCTTG-----

Original motif
 Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif
 Consensus sequence: HHHBBMGATAVHATCWVVDHVH



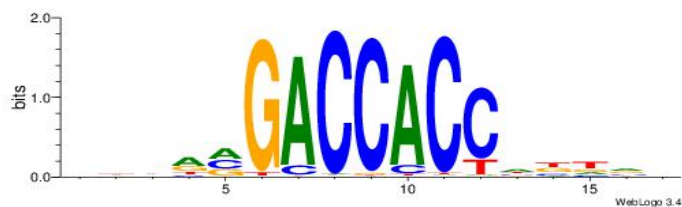
Motif ID: [UP00047](#)
 Motif name: Zbtb7b_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0367981

Alignment:

BBDVHGGTGGTCBKDDDB
 ----AGATGYTCTTG--

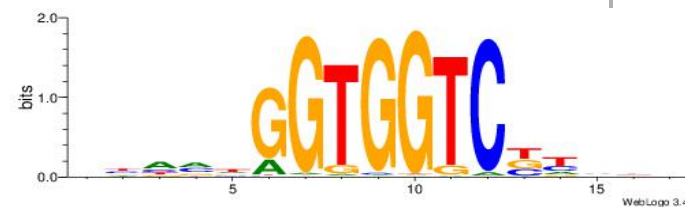
Original motif

Consensus sequence: BDDRVGACCACCHBDVB



Reverse complement motif

Consensus sequence: BBDVHGGTGGTCBKDDDB



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: 6

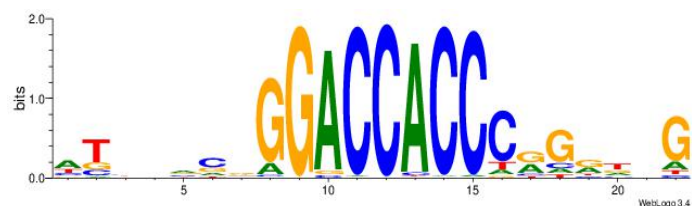
Number of overlap: 11
Similarity score: 0.038145

Alignment:

HTBVVVDGGACCACCCRGRDBG
-----CAAGAKCATCT-----

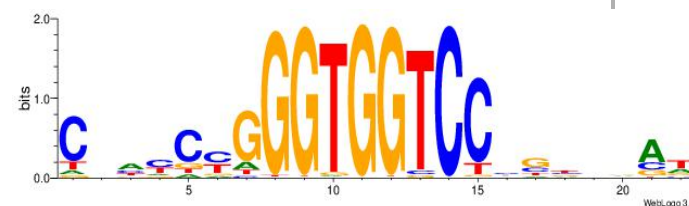
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



Dataset #: 1 Motif ID: 36 Motif name: Motif 36

Original motif

Consensus sequence: TGGTGTCA



Reverse complement motif

Consensus sequence: TGACACCA



Best Matches for Motif ID 36 (Highest to Lowest)

Motif ID: [UP00199](#)
Motif name: Six4
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:	8
Similarity score:	0

Alignment:

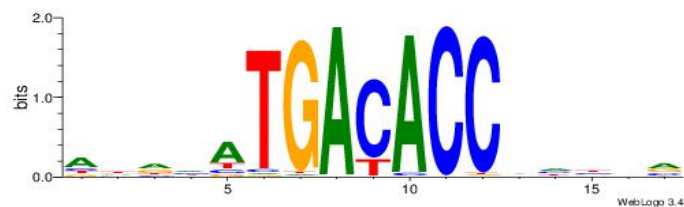
```

ADDHATGACACCBHBBV
-----TGACACCA-----

```

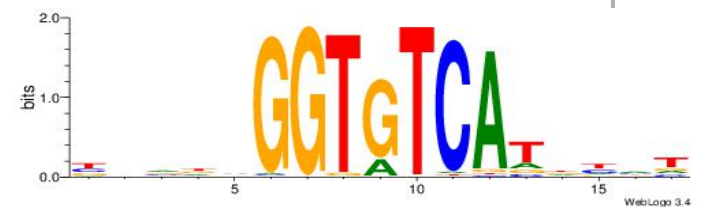
Original motif

Consensus sequence: ADDHATGACACCBHBBV



Reverse complement motif

Consensus sequence: BBVHVGGTGTTCATHDDT



Motif ID:	UP00388
Motif name:	Six6_2267.4
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:	0.0335611

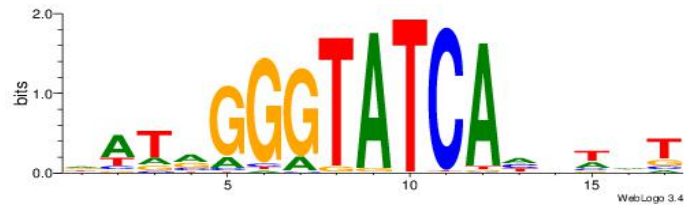
Alignment:

AHWDHTGATACCCCKATD

-----TGACACCA-----

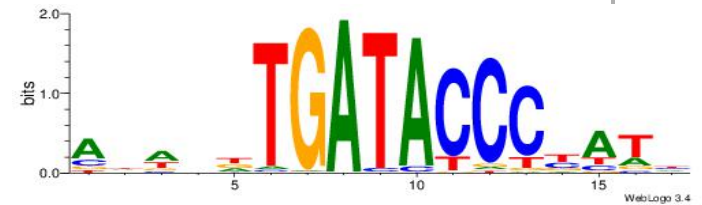
Original motif

Consensus sequence: DATRGGGTATCAHDWHT



Reverse complement motif

Consensus sequence: AHWDHTGATACCCCKATD



Motif ID:

[UP00159](#)

Motif name:

Six2

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:

0.0342894

Alignment:

AHWDGTGATACCCMRTD

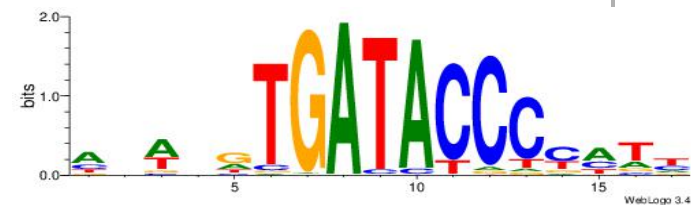
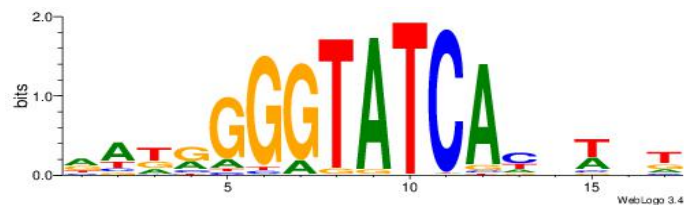
-----TGACACCA-----

Original motif

Consensus sequence: DAKRGGGTATCACDWHT

Reverse complement motif

Consensus sequence: AHWDGTGATACCCMRTD

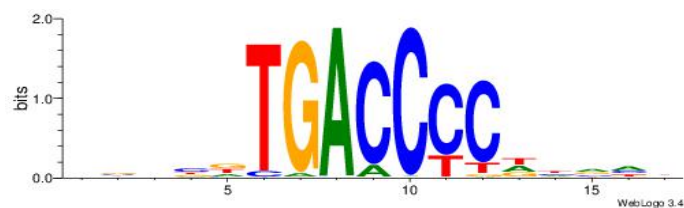


Motif ID: [UP00053](#)
 Motif name: Rxra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.034602

Alignment:
 DBHBDTGACCCCDHVHB
 -----TGACACCA-----

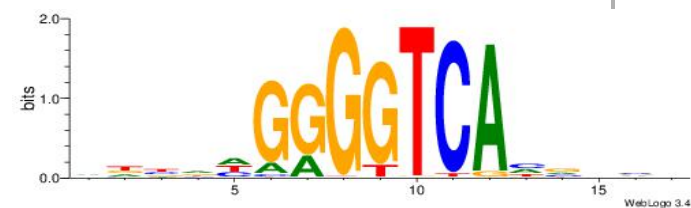
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHD



Motif ID: [UP00079](#)

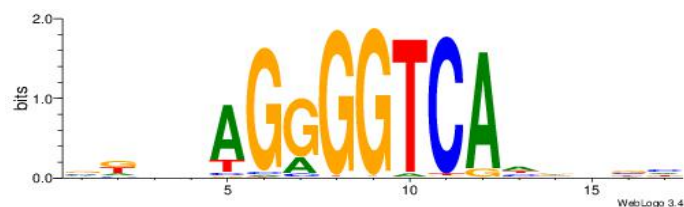
Motif name: Esrra_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0349175

Alignment:

VKBBAGGGGTCAHDBBH
 ----TGGTGTCA-----

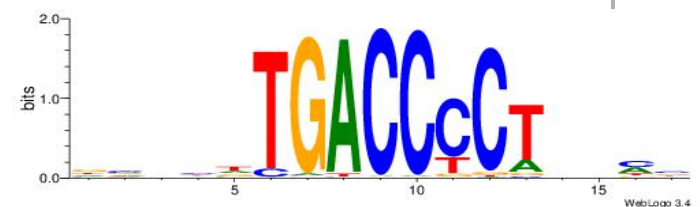
Original motif

Consensus sequence: VKBBAGGGGTCAHDBBH



Reverse complement motif

Consensus sequence: DBBHHTGACCCCTBBYV



Motif ID: [UP00122](#)
 Motif name: Tgif1
 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: 0.0354712

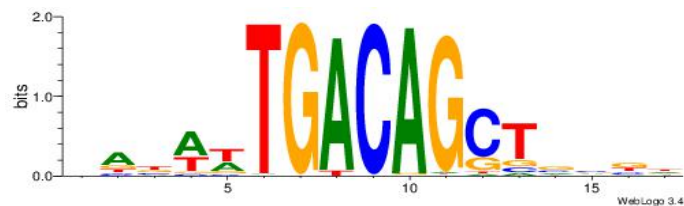
Alignment:

DABWWTGACAGCTVVBD

-----TGACACCA-----

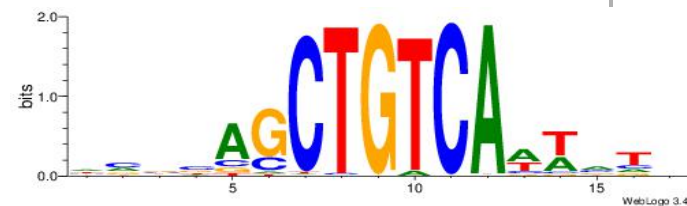
Original motif

Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



Motif ID: [UP00192](#)

Motif name: Six1

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: 0.0355547

Alignment:

AVHDHTGATACCCMDHH

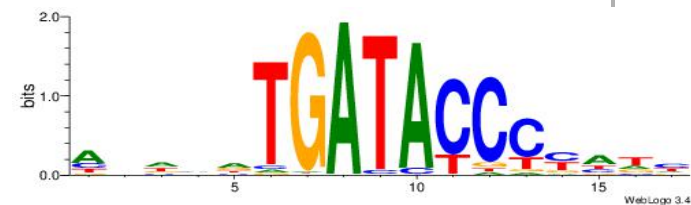
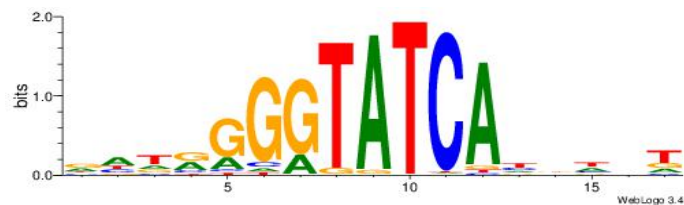
-----TGACACCA-----

Original motif

Consensus sequence: DHDRGGGTATCAHDHBT

Reverse complement motif

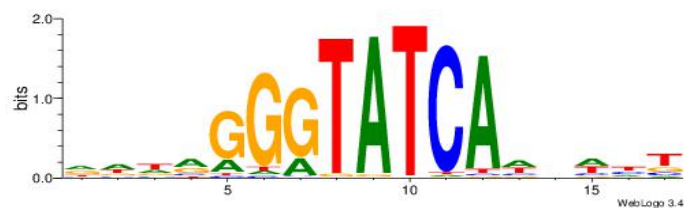
Consensus sequence: AVHDHTGATACCCMDHH



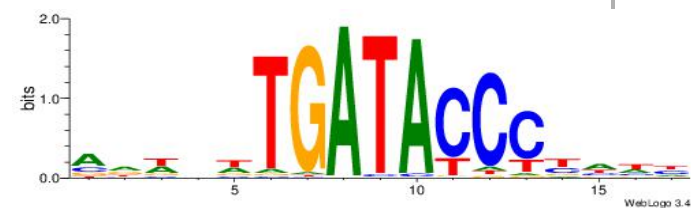
Motif ID: [UP00388](#)
 Motif name: Six6_2267.5
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.035579

Alignment:
 AHWHTGATACCKDDD
 -----TGACACCA-----

Original motif
 Consensus sequence: DDRGGGTATCAHWHT



Reverse complement motif
 Consensus sequence: AHWHTGATACCKDDD



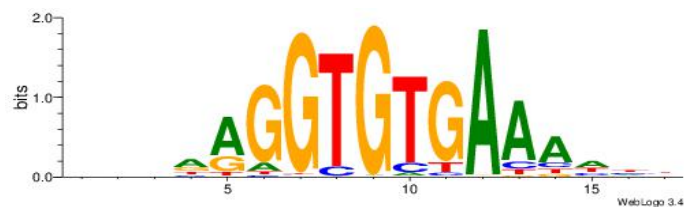
Motif ID: [UP00068](#)
 Motif name: Eomes_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0362156

Alignment:

BVHDAGGTGTGAAHHH
 ----TGGTGTCA-----

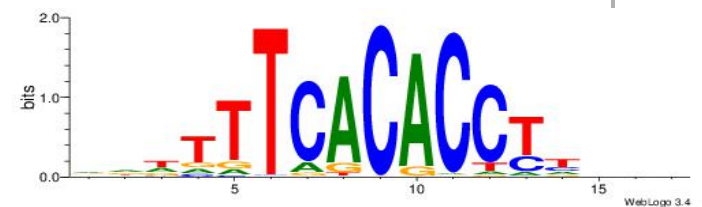
Original motif

Consensus sequence: BVHDAGGTGTGAAHHH



Reverse complement motif

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: 5

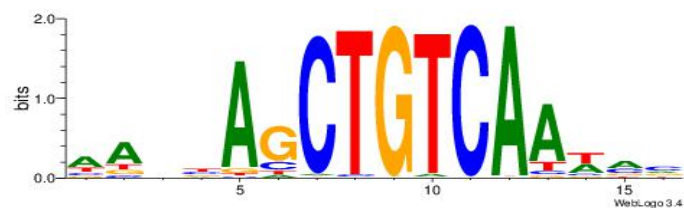
Number of overlap: 8
Similarity score: 0.0373826

Alignment:

VBWTTGACAGCTVBTT
-----TGACACCA-----

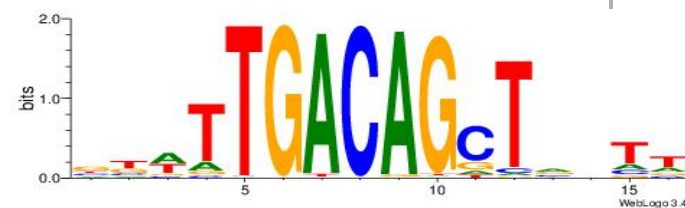
Original motif

Consensus sequence: AABAGCTGTCAAWV



Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT



Dataset #: 1 Motif ID: 37 Motif name: Motif 37

Original motif

Consensus sequence: ACTTTGG



Reverse complement motif

Consensus sequence: CCAAAGT



Best Matches for Motif ID 37 (Highest to Lowest)

Motif ID: [UP00066](#)
Motif name: Hnf4a_secondary
Species: Mus musculus

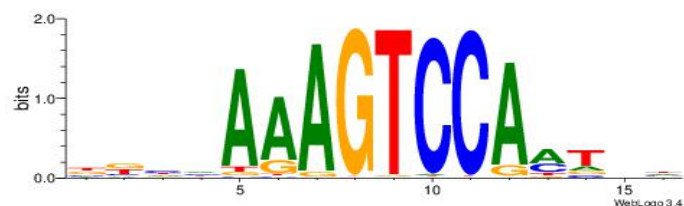
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	8
Number of overlap:	7
Similarity score:	0

Alignment:

```
BBHHAAAGTCCAMTHH
--CCAAAGT-----
```

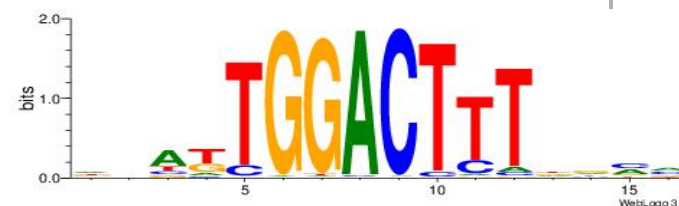
Original motif

Consensus sequence: BBHHAAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTTHDBV



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:	Forward
Position number:	7
Number of overlap:	7
Similarity score:	0.0128381

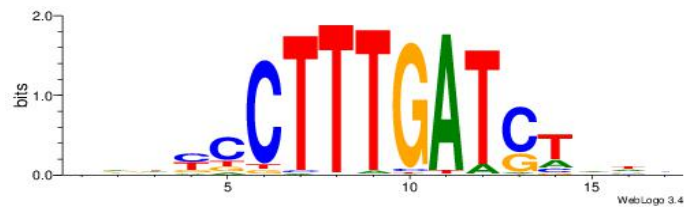
Alignment:

VDDAGATCAAAGGKDDD

-----CCAAAGT-----

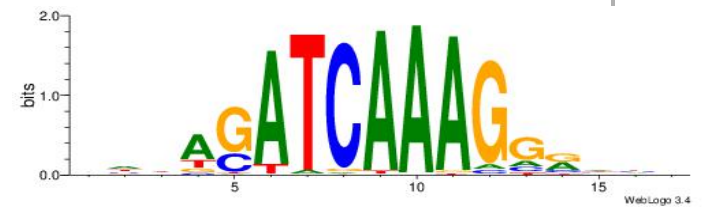
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD



Motif ID:	UP00079
Motif name:	Esrra_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:	7
Similarity score:	0.0140846

Alignment:

DHDBCAAGGTCAHVBDH

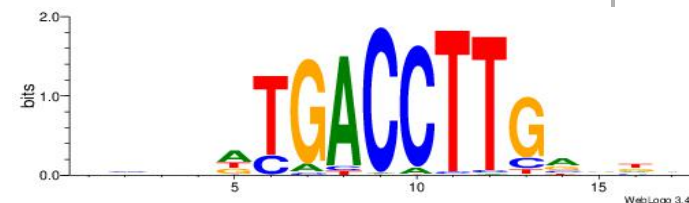
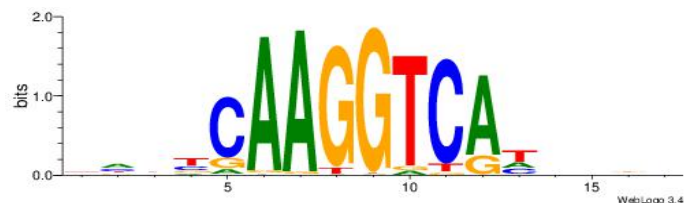
---CCAAAGT-----

Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH

Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD

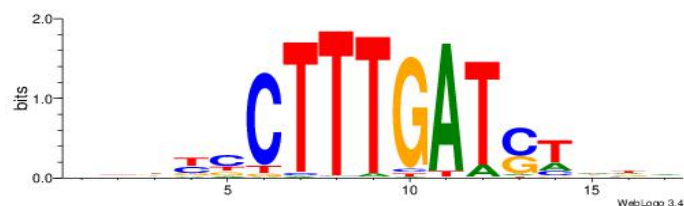


Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 7
 Similarity score: 0.0141156

Alignment:
 BDDASATCAAAGGMDDD
 -----CCAAAGT-----

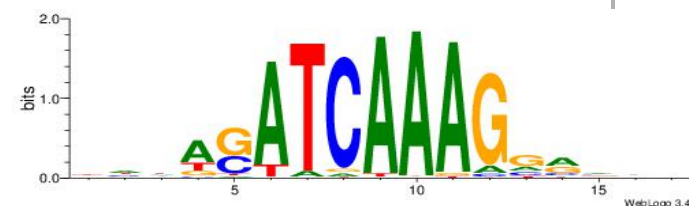
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDDD



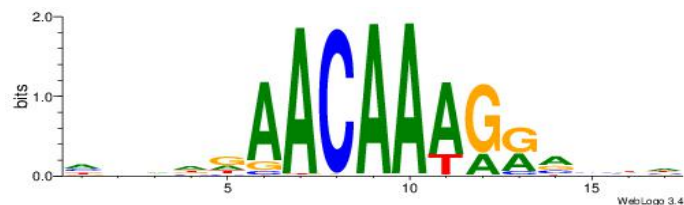
Motif ID: [UP00062](#)

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: 5
 Number of overlap: 7
 Similarity score: 0.0159798

Alignment:
 HHBBMCTTTGTTTHDDBH
 ----ACTTTGG-----

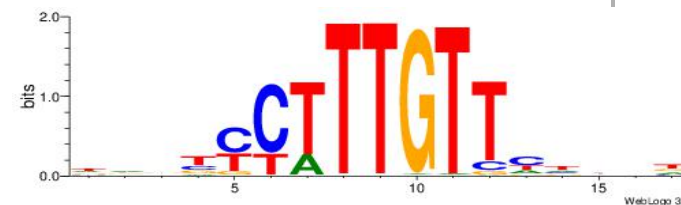
Original motif

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: Forward
 Position number: 5
 Number of overlap: 7

Similarity score: 0.0181605

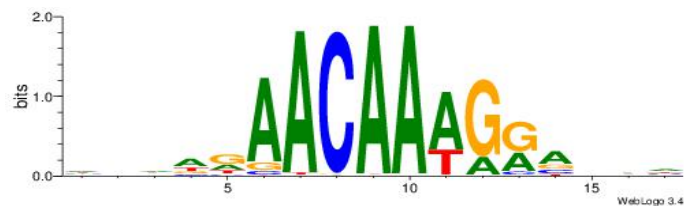
Alignment:

HHBTMCTTTGTTMDDVH

-----ACTTTGG-----

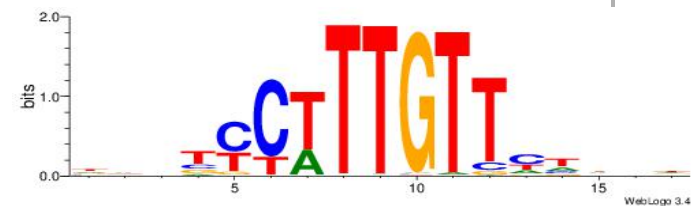
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



Motif ID: [UP00058](#)

Motif name: Tcf3_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: 0.0200761

Alignment:

HHHKVCTTTGATSTHHH

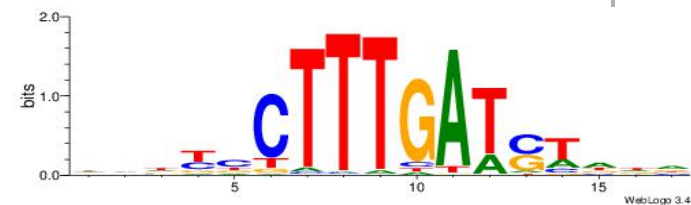
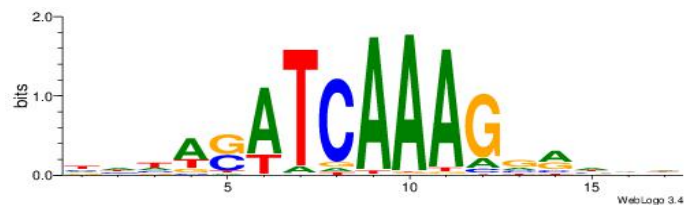
-----ACTTTGG-----

Original motif

Consensus sequence: HHHASATCAAAGVRHHH

Reverse complement motif

Consensus sequence: HHHKVCTTTGATSTHHH

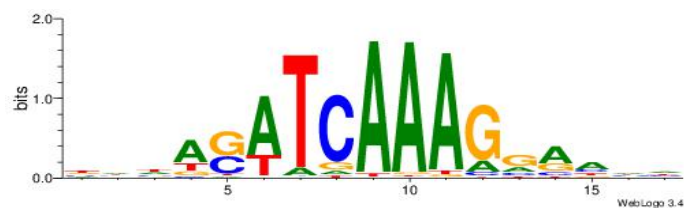


Motif ID: [UP00054](#)
 Motif name: Tcf7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 7
 Similarity score: 0.0230245

Alignment:
 HHHTCCTTTGATSTHHV
 ----ACTTTGG-----

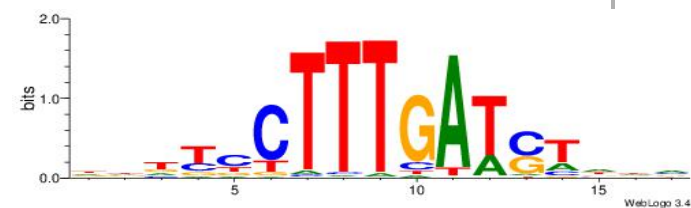
Original motif

Consensus sequence: BHHASATCAAAGGAHHH



Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV



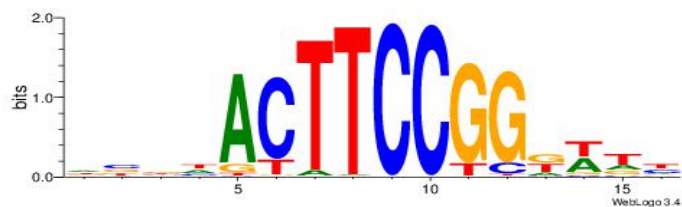
Motif ID: [UP00413](#)
 Motif name: Elf4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 7
 Similarity score: 0.0283328

Alignment:

HAWYCCGGAAGTHBBD
 -----CCAAAGT-----

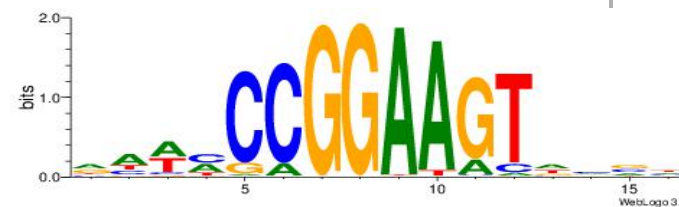
Original motif

Consensus sequence: DBBHACTTCCGGKWITH



Reverse complement motif

Consensus sequence: HAWYCCGGAAGTHBBD



Motif ID: [UP00418](#)
 Motif name: Etv6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6

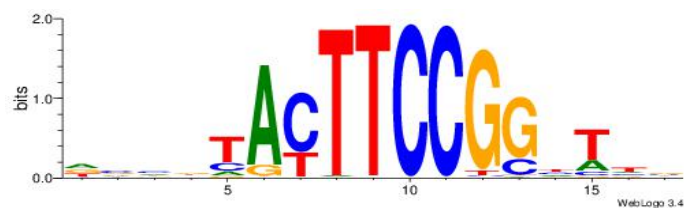
Number of overlap: 7
Similarity score: 0.0287289

Alignment:

BHAHCCGGAAGTABDVD
-----CCAAAGT-----

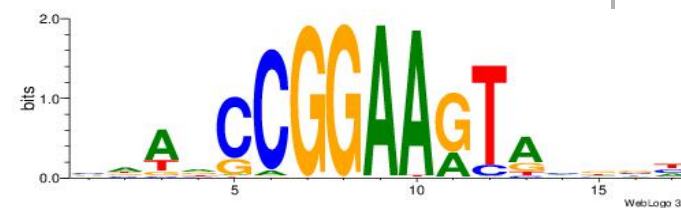
Original motif

Consensus sequence: DVHBTACTTCCGGHTHB



Reverse complement motif

Consensus sequence: BHAHCCGGAAGTABDVD



Dataset #: 1 Motif ID: 38 Motif name: Motif 38

Original motif

Consensus sequence: ATKAYTTTG



Reverse complement motif

Consensus sequence: CAAAKTYAT



Best Matches for Motif ID 38 (Highest to Lowest)

Motif ID: [UP00079](#)
Motif name: Esrra_primary
Species: Mus musculus

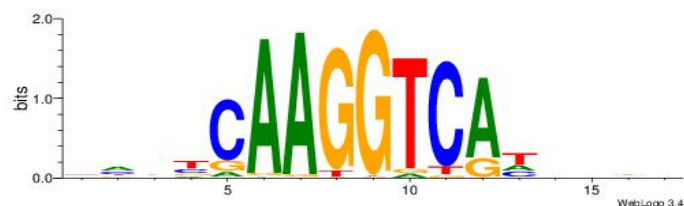
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	9
Similarity score:	0.0159205

Alignment:

```
HHBVHTGACCTTGVDHD
----ATKAYTTTG----
```

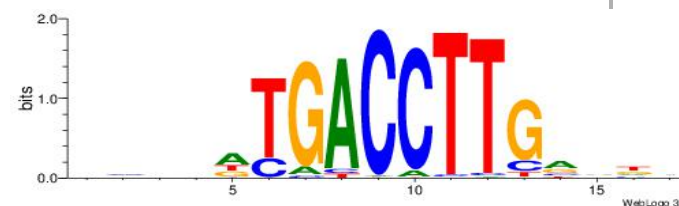
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



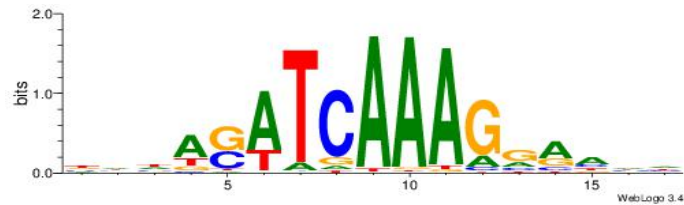
Motif ID:	UP00054
Motif name:	Tcf7_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	9
Similarity score:	0.0182772

Alignment:

HHHTCCTTTGATSTHHV
-ATKAYTTTG-----

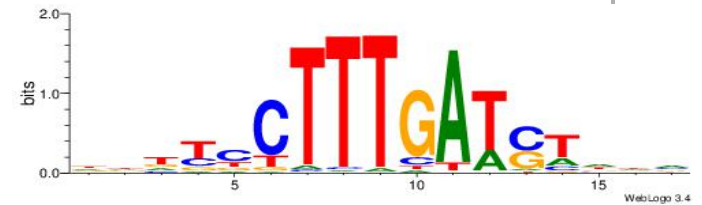
Original motif

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:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	9
Similarity score:	0.01865

Alignment:

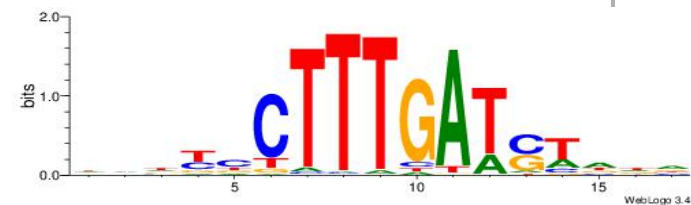
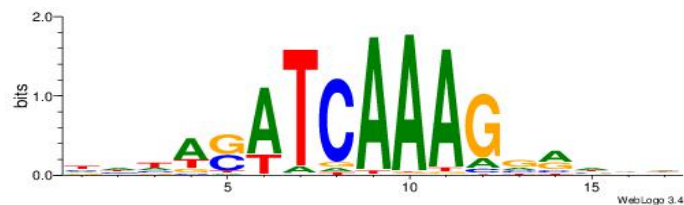
HHHKVCTTTGATSTHHH
-ATKAYTTTG-----

Original motif

Consensus sequence: HHHASATCAAAGVRHHH

Reverse complement motif

Consensus sequence: HHHKVCTTTGATSTHHH

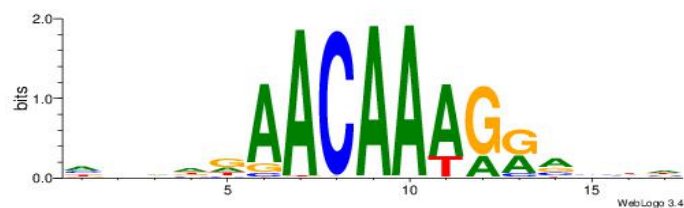


Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 9
 Similarity score: 0.0192718

Alignment:
 HHBBMCTTTGTTHDDBH
 -ATKAYTTTG-----

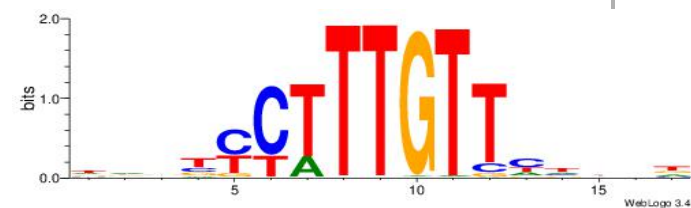
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH



Motif ID: [UP00030](#)

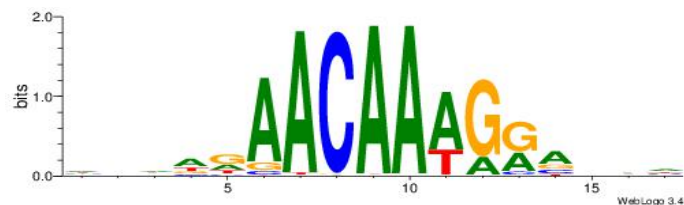
Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 9
 Similarity score: 0.022524

Alignment:

HHBTMCTTTGTTMDDVH
 -ATKAYTTTG-----

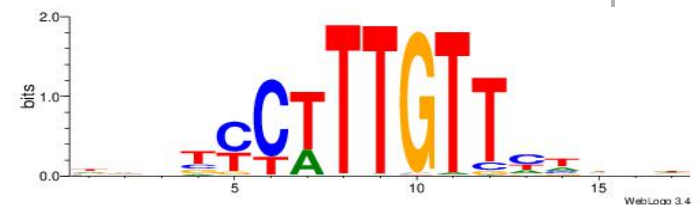
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



Motif ID: [UP00200](#)
 Motif name: Nkx6-1_2825.1
 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

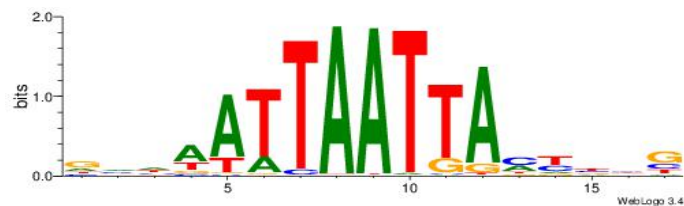
Similarity score: 0.0239738

Alignment:

DVHAATTAATTAMYBBG
-----ATKAYTTTG

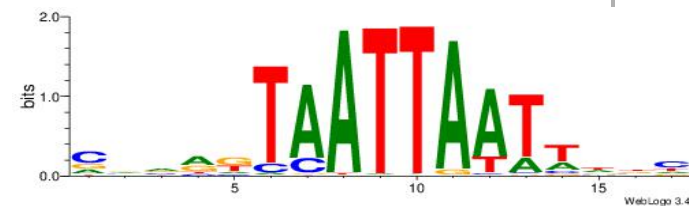
Original motif

Consensus sequence: DVHAATTAATTAMYBBG



Reverse complement motif

Consensus sequence: CBVMRTAATTAATTHBH



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: Forward
Position number: 8
Number of overlap: 9
Similarity score: 0.0240474

Alignment:

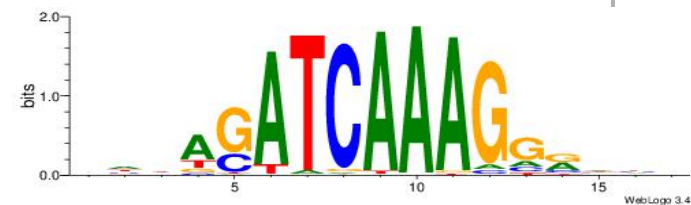
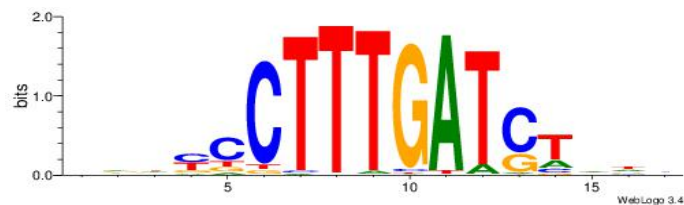
VDDAGATCAAAGGKDDD
-----CAAATYAT-

Original motif

Consensus sequence: DDDYCCTTTGATCTDDV

Reverse complement motif

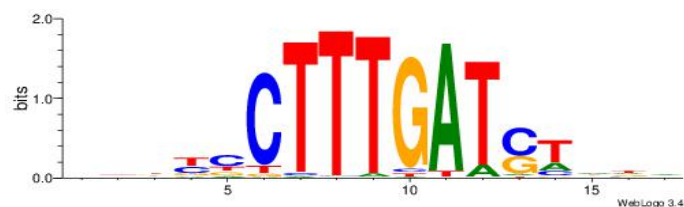
Consensus sequence: VDDAGATCAAAGGKDDD



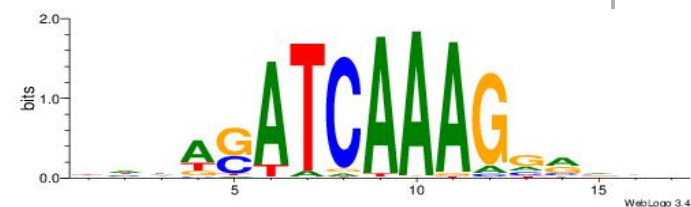
Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 9
 Similarity score: 0.0253434

Alignment:
 DDDYCCTTTGATSTDDV
 -ATKAYTTTG-----

Original motif
 Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif
 Consensus sequence: BDDASATCAAAGGMDDD



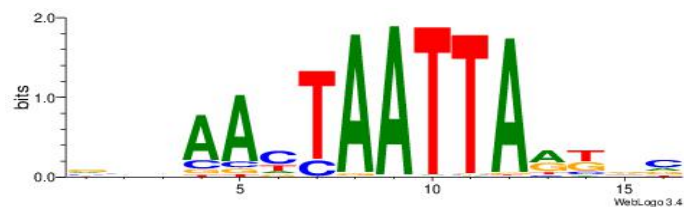
Motif ID: [UP00167](#)
 Motif name: En1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 9
 Similarity score: 0.0259902

Alignment:

VHRKTAATTAGTTVVV
 -----ATKAYTTTG-

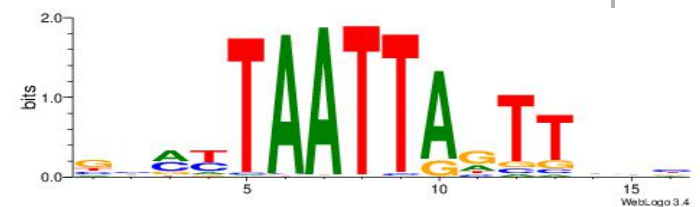
Original motif

Consensus sequence: VVVA ACTA ATTARKDV



Reverse complement motif

Consensus sequence: VHRKTAATTAGTTVVV



Motif ID: [UP00238](#)
 Motif name: Nkx6-3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1

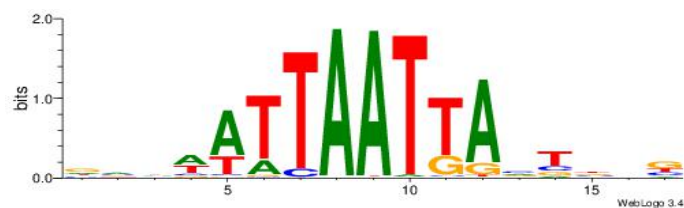
Number of overlap: 9
Similarity score: 0.0262036

Alignment:

DVHWATTAATTAVTBBB
-----ATKAYTTTG

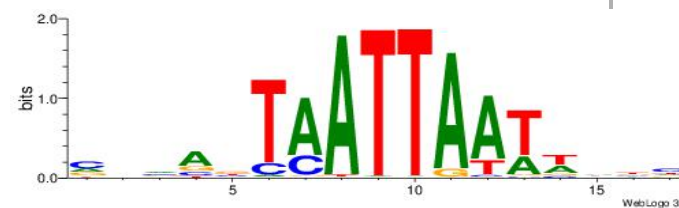
Original motif

Consensus sequence: DVHWATTAATTAVTBBB



Reverse complement motif

Consensus sequence: BVVAVTAATTAATWHBH



Dataset #: 1 **Motif ID: 39** **Motif name: Motif 39**

Original motif

Consensus sequence: GCTGTGAC



Reverse complement motif

Consensus sequence: GTCACAGC



Best Matches for Motif ID 39 (Highest to Lowest)

Motif ID: [UP00122](#)
Motif name: Tgif1
Species: Mus musculus

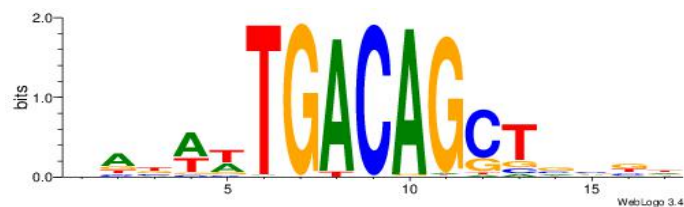
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	5
Number of overlap:	8
Similarity score:	0

Alignment:

```
DABWWTGACAGCTVVBD
----GTCACAGC-----
```

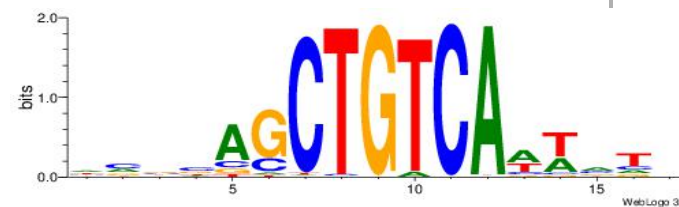
Original motif

Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



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:	4
Number of overlap:	8
Similarity score:	0.00241817

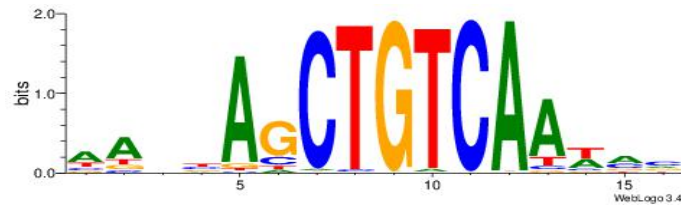
Alignment:

AABBAGCTGTCAAWVV

-----GCTGTGAC---

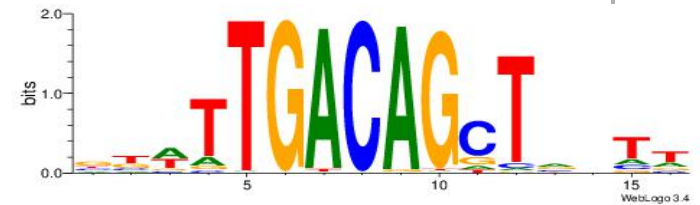
Original motif

Consensus sequence: AABBAGCTGTCAAWVV



Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT



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:

7

Number of overlap:

8

Similarity score:

0.00553853

Alignment:

DDDCACAGCAKGHVD

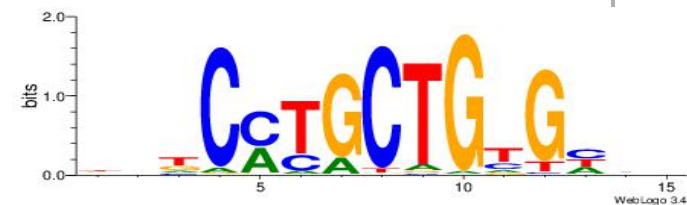
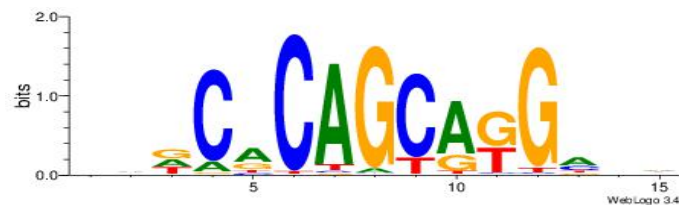
-GTCACAGC-----

Original motif

Consensus sequence: DDDCACAGCAKGHVD

Reverse complement motif

Consensus sequence: DVHCYTGCTGTGHDH

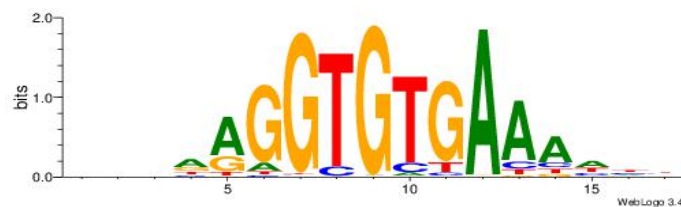


Motif ID: [UP00068](#)
 Motif name: Eomes_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.00578189

Alignment:
 BVHDAGGTGTGAAHHH
 -----GCTGTGAC-----

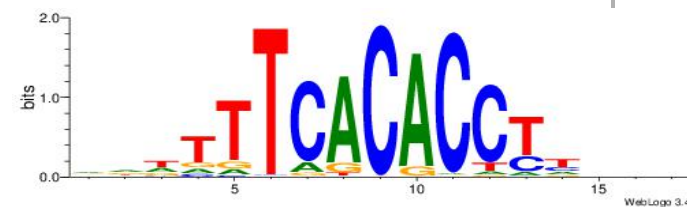
Original motif

Consensus sequence: BVHDAGGTGTGAAHHH



Reverse complement motif

Consensus sequence: HHHTTTCACACCTDHBV



Motif ID: [UP00193](#)

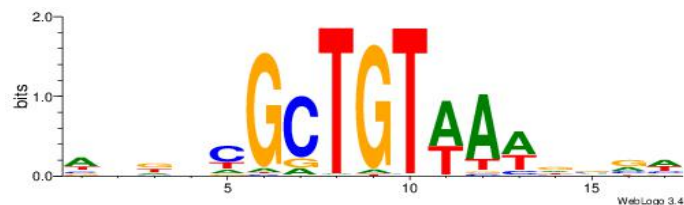
Motif name: Rhox11_2205.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.00629536

Alignment:

AVDHCGCTGTWAWDVVW
 -----GCTGTGAC-----

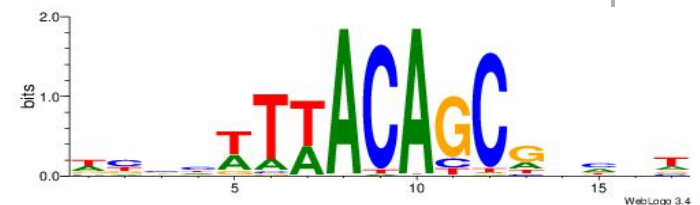
Original motif

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: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8

Similarity score: 0.00666342

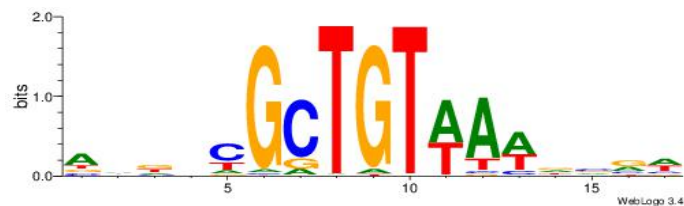
Alignment:

AVDVCGCTGTWAWDVVW

-----GCTGTGAC-----

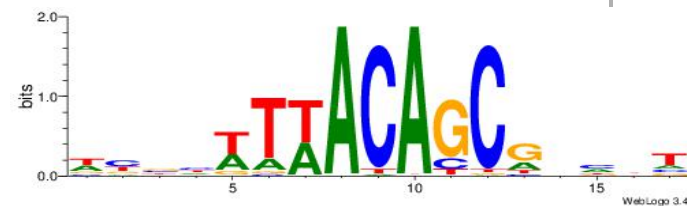
Original motif

Consensus sequence: AVDVCGCTGTWAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGBHBT



Motif ID: [UP00205](#)
Motif name: Pknox2
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: 0.00747692

Alignment:

HAVSRCTGTCAATHB

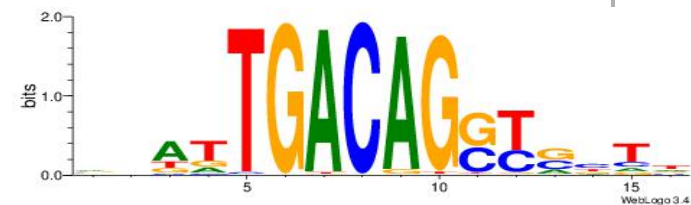
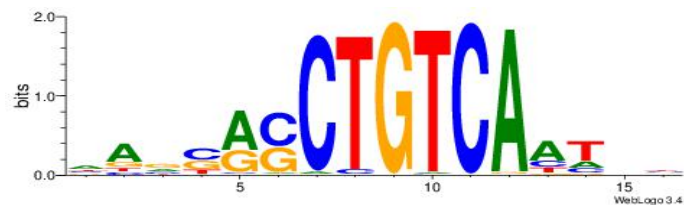
-----GCTGTGAC---

Original motif

Consensus sequence: HAVSRCTGTCAATHB

Reverse complement motif

Consensus sequence: VHATTGACAGSKSVTH



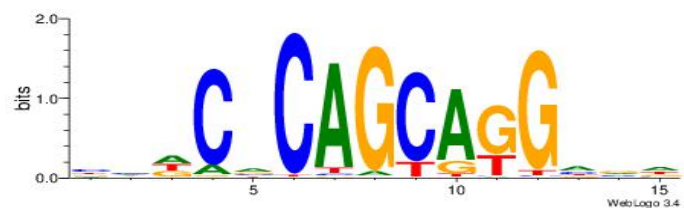
Motif ID: [UP00102](#)
 Motif name: Zic1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.00877453

Alignment:

BHDCVCAGCAGGHVD
 -GTCACAGC-----

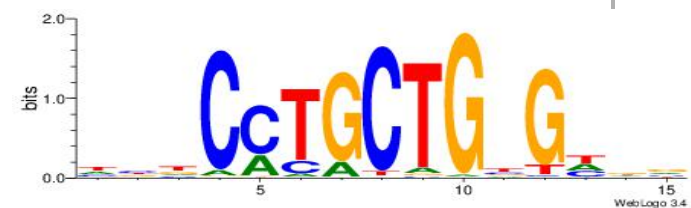
Original motif

Consensus sequence: BHDCVCAGCAGGHVD



Reverse complement motif

Consensus sequence: DVHCCTGCTGBGDDDB



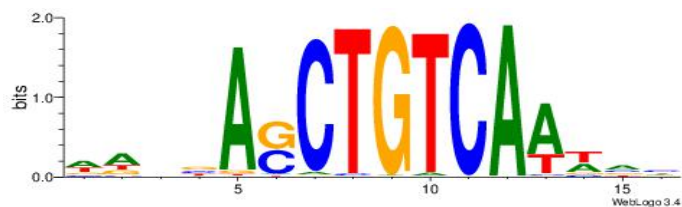
Motif ID: [UP00186](#)
 Motif name: Meis1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.00956623

Alignment:

WAVBASCTGTCAAWVH
 -----GCTGTGAC---

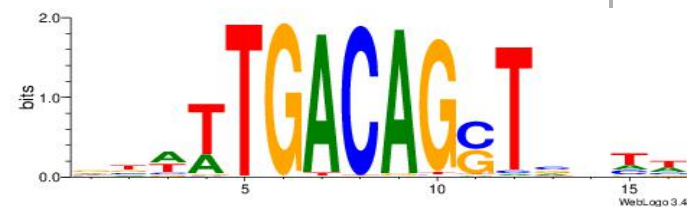
Original motif

Consensus sequence: WAVBASCTGTCAAWVH



Reverse complement motif

Consensus sequence: DBWTTGACAGSTBVTW



Motif ID: [UP00226](#)
 Motif name: Mrg1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6

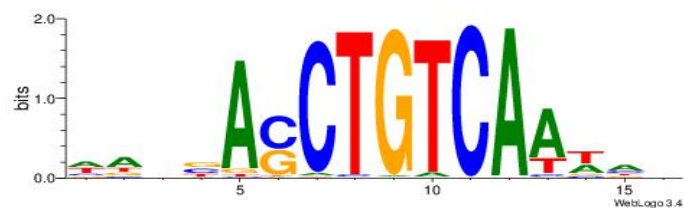
Number of overlap: 8
Similarity score: 0.0124611

Alignment:

WAVBASCTGTCAAWHB
-----GCTGTGAC---

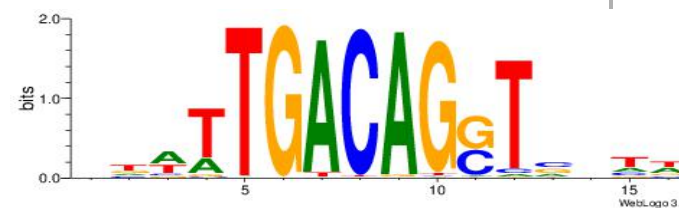
Original motif

Consensus sequence: WAVBASCTGTCAAWHB



Reverse complement motif

Consensus sequence: BHWTTGACAGSTBBTW



Dataset #: 1 Motif ID: 40 Motif name: Motif 40

Original motif

Consensus sequence: AAGTTCA



Reverse complement motif

Consensus sequence: TGAACTT



Best Matches for Motif ID 40 (Highest to Lowest)

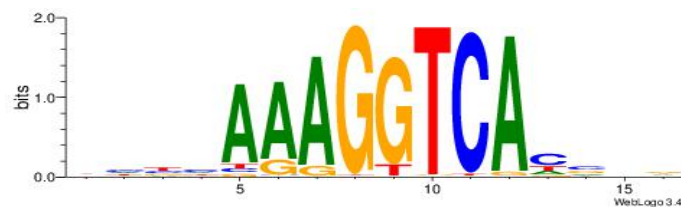
Motif ID: [UP00048](#)
Motif name: Rara
Species: Mus musculus

Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	7
Similarity score:	0

Alignment:
DHBHAAAGGTCACVHD
-----AAGTTCA-----

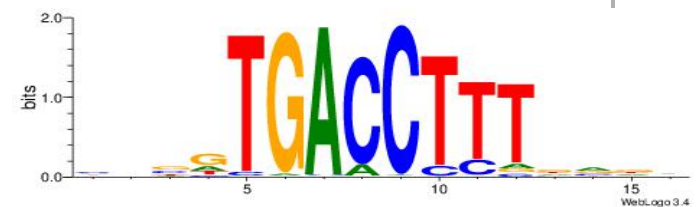
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD



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:	6
Number of overlap:	7
Similarity score:	0.00516503

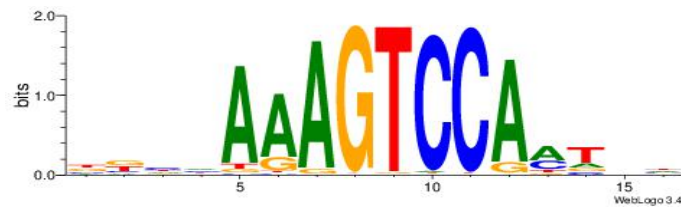
Alignment:

HHAYTGGACTTTHDBV

-----TGAACCTT-----

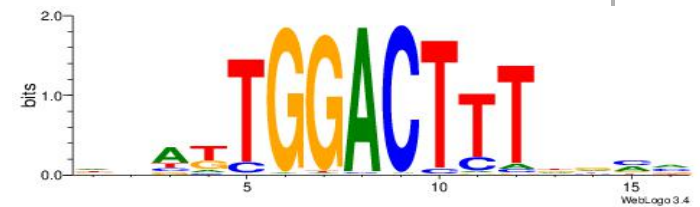
Original motif

Consensus sequence: BBHHAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTHDBV



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:

Backward

Position number:

6

Number of overlap:

7

Similarity score:

0.00773155

Alignment:

DHDBCAAGGTCAHVBDH

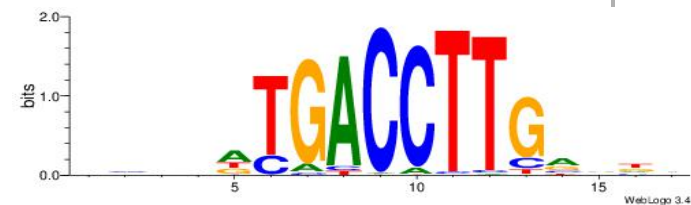
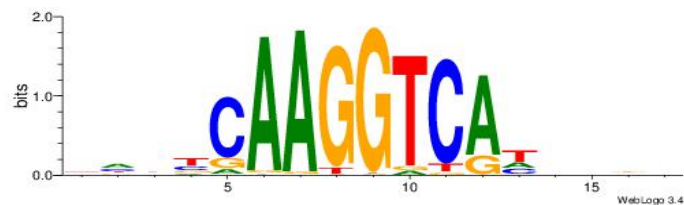
-----AAGTTCA-----

Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH

Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD

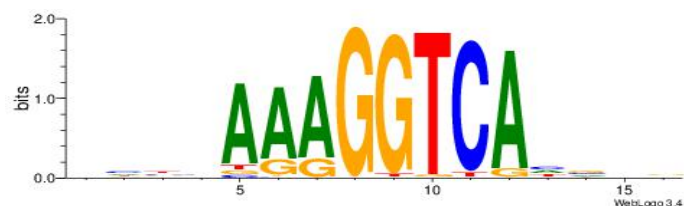


Motif ID: [UP00009](#)
 Motif name: Nr2f2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 7
 Similarity score: 0.00909243

Alignment:
 DHBHAAAGGTCAHVHB
 -----AAGTTCA-----

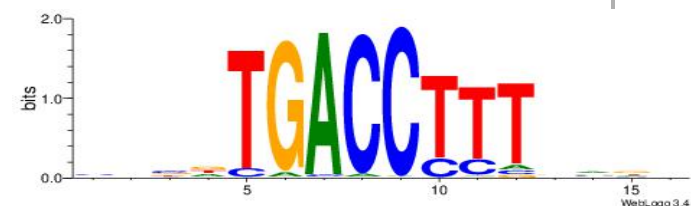
Original motif

Consensus sequence: DHBHAAAGGTCAHVHB



Reverse complement motif

Consensus sequence: BHVDTGACCTTTDVDD



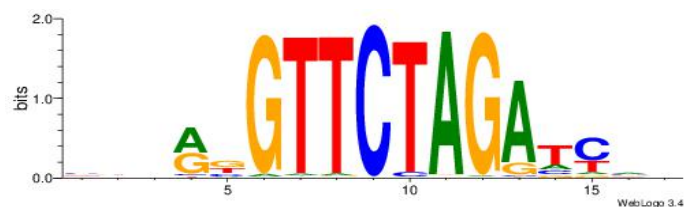
Motif ID: [UP00019](#)

Motif name: Zbtb12_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 7
 Similarity score: 0.035752

Alignment:
 BBGATCTAGAACBKHDB
 -----TGAAC TT----

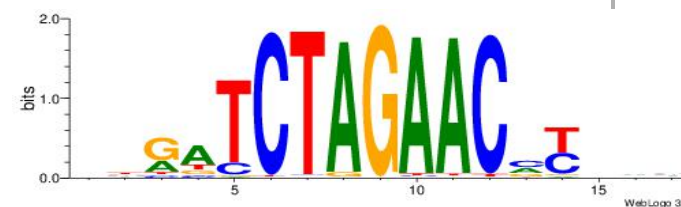
Original motif

Consensus sequence: BDHRBGTTCTAGATCVB



Reverse complement motif

Consensus sequence: BBGATCTAGAACBKHDB



Motif ID: [UP00222](#)
 Motif name: Tcf2
 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: 7

Similarity score: 0.0379796

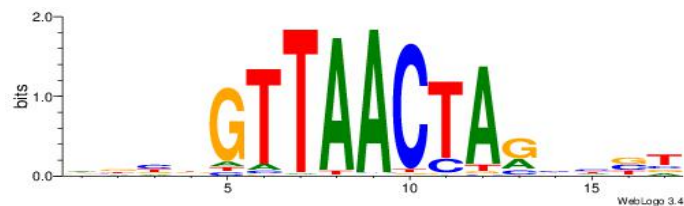
Alignment:

ABDBCTAGTTAACVBBD

-----AAGTTCA-----

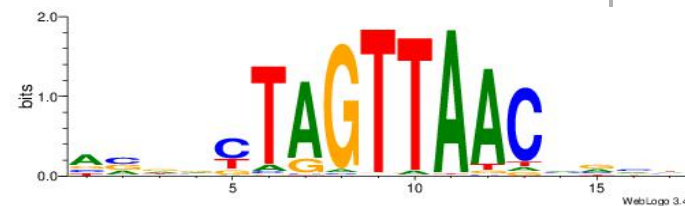
Original motif

Consensus sequence: DBBBGTTAACTAGBHBT



Reverse complement motif

Consensus sequence: ABDBCTAGTTAACVBBD



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: 7
Number of overlap: 7
Similarity score: 0.0388625

Alignment:

HHRTATGTGCACATHHD

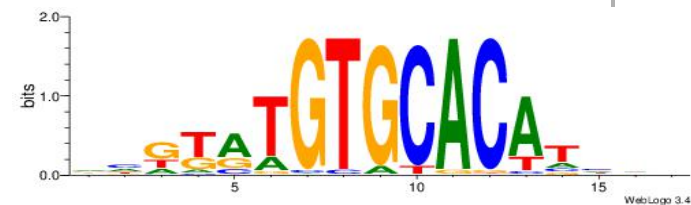
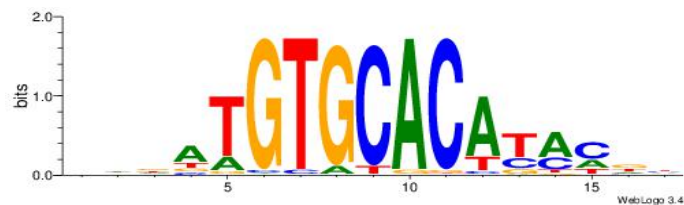
-----AAGTTCA-----

Original motif

Consensus sequence: HHDATGTGCACATAMDH

Reverse complement motif

Consensus sequence: HHRTATGTGCACATHHD

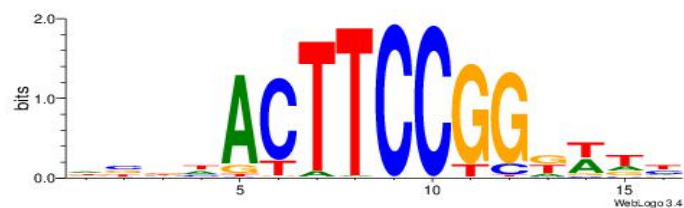


Motif ID: [UP00413](#)
 Motif name: Elf4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 7
 Similarity score: 0.0421261

Alignment:
 DBBHACTTCCGGKWTH
 -TGAACCT-----

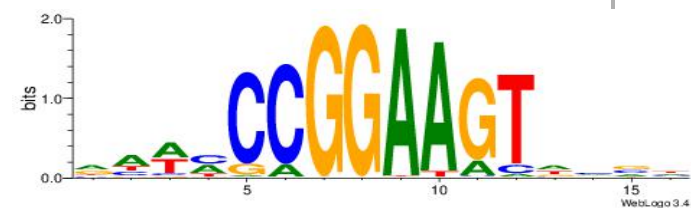
Original motif

Consensus sequence: DBBHACTTCCGGKWTH



Reverse complement motif

Consensus sequence: HAWYCCGGAAGTHBBD



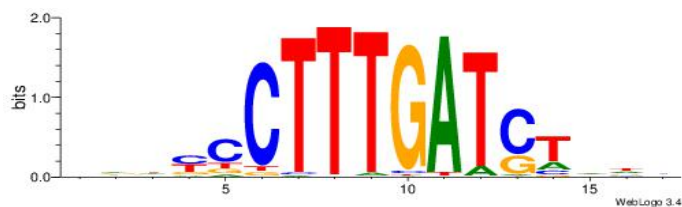
Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 9
 Number of overlap: 7
 Similarity score: 0.0424658

Alignment:

DDDYCCTTTGATCTDDV
 -----TGAAC TT--

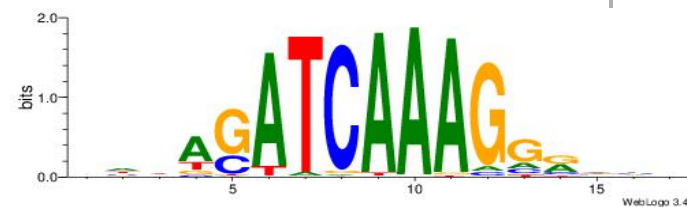
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGKDDDD



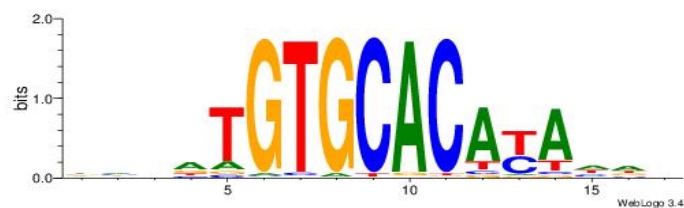
Motif ID: [UP00026](#)
 Motif name: Zscan4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5

Number of overlap: 7
Similarity score: 0.0427674

Alignment:
HDHTMTGTGCACADVHD
-----AAGTTCA-----

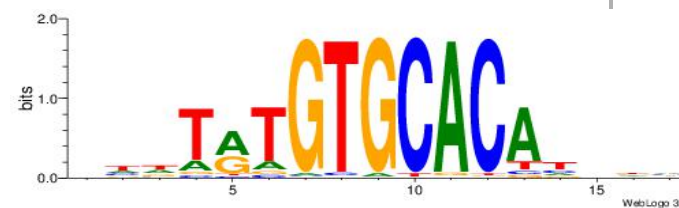
Original motif

Consensus sequence: DHVDTGTGCACAYAHDH



Reverse complement motif

Consensus sequence: HDHTMTGTGCACADVHD



Dataset #: 1 Motif ID: 41 Motif name: Motif 41

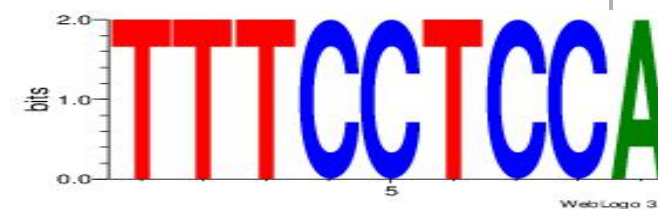
Original motif

Consensus sequence: TGGAGGAAA



Reverse complement motif

Consensus sequence: TTTCCTCCA



Best Matches for Motif ID 41 (Highest to Lowest)

Motif ID: [UP00043](#)
Motif name: Bcl6b_primary
Species: Mus musculus

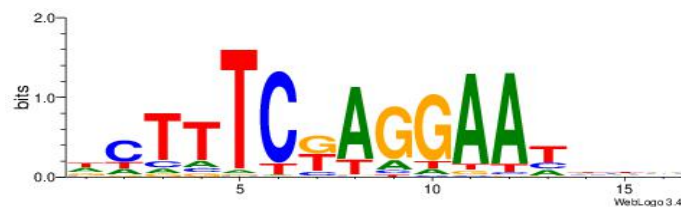
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	9
Similarity score:	0

Alignment:

```
VHHATTCCTYGAAAGD
---TTTCCTCCA----
```

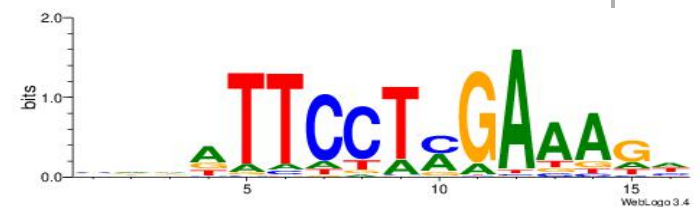
Original motif

Consensus sequence: DCTTTCKAGGAATHHV



Reverse complement motif

Consensus sequence: VHHATTCCTYGAAAGD



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:	9
Similarity score:	0.0103598

Alignment:

BWAHSMGGAAGTWD

--TGGAGGAAA---

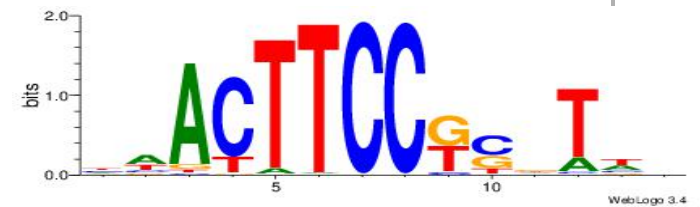
Original motif

Consensus sequence: BWAHSMGGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRSDTWV



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:	4
Number of overlap:	9
Similarity score:	0.0126625

Alignment:

DAHMMGGAARTDA

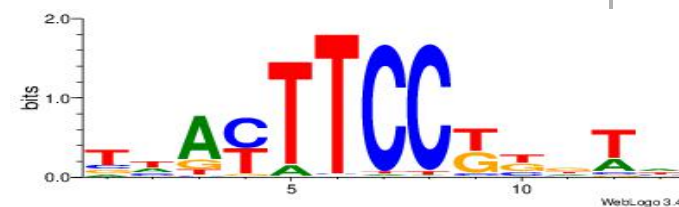
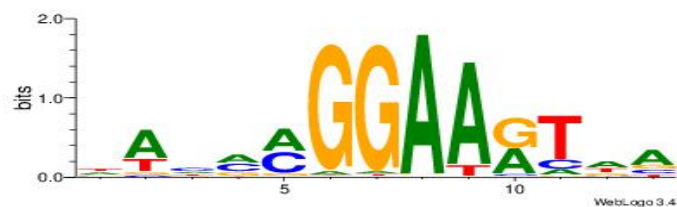
-TGGAGGAAA---

Original motif

Consensus sequence: DAHMMGGAARTDA

Reverse complement motif

Consensus sequence: TDAMTTCCYYDTD



Motif ID: [UP00085](#)
 Motif name: Sfpi1_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: 0.0131092

Alignment:
 BDAWGVGGAAGTDH
 --TGGAGGAAA---

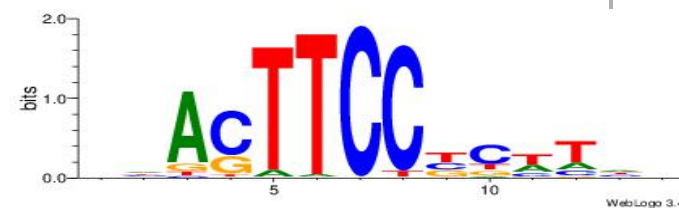
Original motif

Consensus sequence: BDAWGVGGAAGTDH



Reverse complement motif

Consensus sequence: HDACTTCBCWTDV



Motif ID: [UP00055](#)

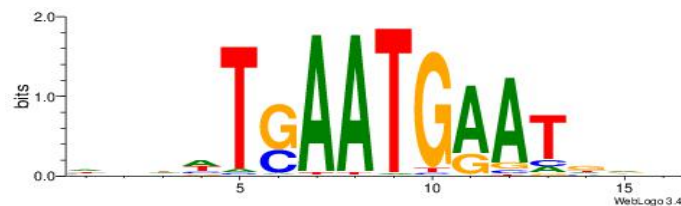
Motif name: Hbp1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 9
 Similarity score: 0.0140163

Alignment:

HHDWTSAAATGAATDDB
 ----TGGAGGAAA---

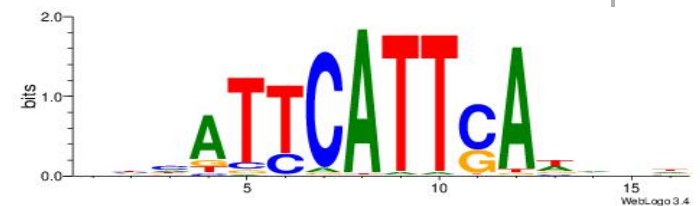
Original motif

Consensus sequence: HHDWTSAAATGAATDDB



Reverse complement motif

Consensus sequence: VDHATTCATTSAWDDH



Motif ID: [UP00021](#)
 Motif name: Zfp281_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: 9

Similarity score: 0.0142598

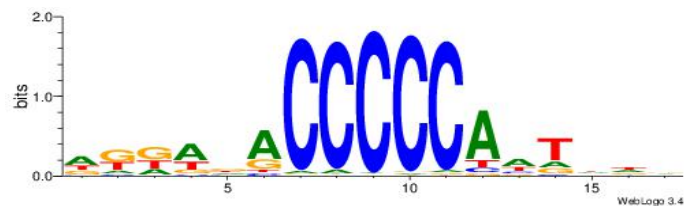
Alignment:

DKKWDACCCCAHTDDV

---TTCCTCCA-----

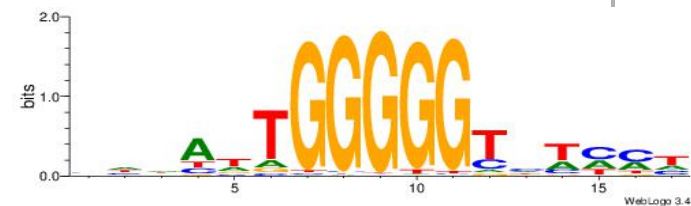
Original motif

Consensus sequence: DKKWDACCCCAHTDDV



Reverse complement motif

Consensus sequence: VDDAHTGGGGGTHWYYD



Motif ID: [UP00208](#)
Motif name: Obox5_2284.1
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: 9
Similarity score: 0.0161902

Alignment:

DHHAHTTAATCCCKVDH

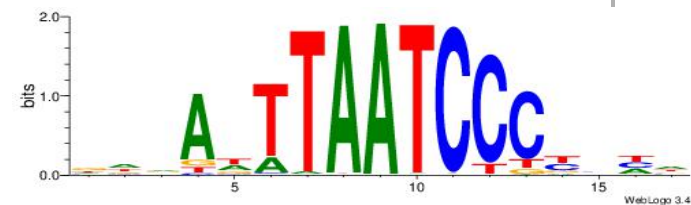
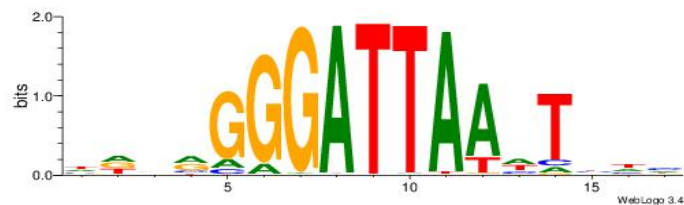
----TTCCTCCA----

Original motif

Consensus sequence: HDVRGGGATTAAHTHHH

Reverse complement motif

Consensus sequence: DHHAHTTAATCCCKVDH



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: 4
 Number of overlap: 9
 Similarity score: 0.0168157

Alignment:

VAAAGMGAAGTWD
 --TGGAGGAAA---

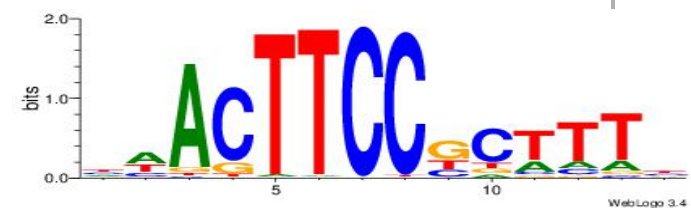
Original motif

Consensus sequence: VAAAGMGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCRCCTTTB



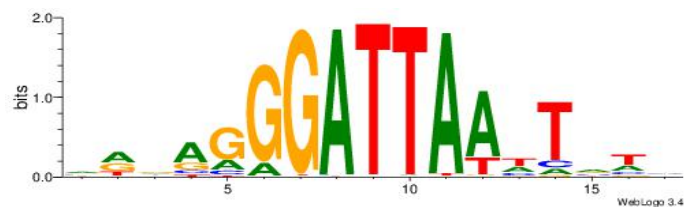
Motif ID: [UP00208](#)
 Motif name: Obox5_3963.2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 9
 Similarity score: 0.0175071

Alignment:

VWBAHTTAATCCCTVKB
 ----TTCCTCCA----

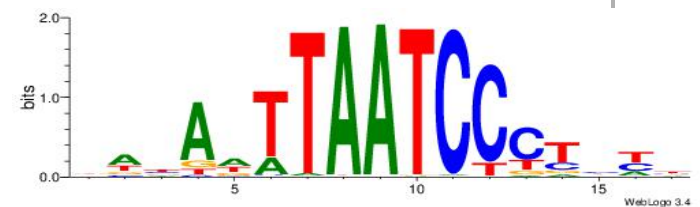
Original motif

Consensus sequence: VRVAGGGATTAAHTVWV



Reverse complement motif

Consensus sequence: VWBAHTTAATCCCTVKB



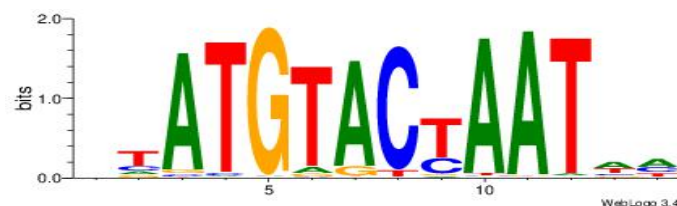
Motif ID: [UP00082](#)
 Motif name: Zfp187_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3

Number of overlap: 9
Similarity score: 0.017867

Alignment:
HWATTAGTACATAV
--TTTCCTCCA---

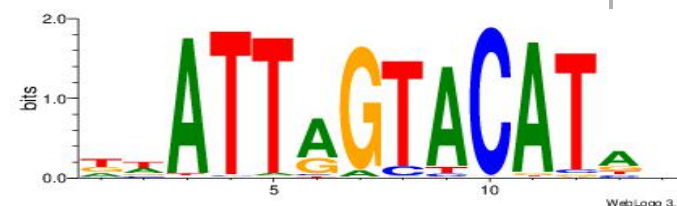
Original motif

Consensus sequence: BTATGTACTAATWH



Reverse complement motif

Consensus sequence: HWATTAGTACATAV



Dataset #: 1 **Motif ID: 42** **Motif name: Motif 42**

Original motif

Consensus sequence: TGAATGAA



Reverse complement motif

Consensus sequence: TTCATTCA



Best Matches for Motif ID 42 (Highest to Lowest)

Motif ID: [UP00055](#)
Motif name: Hbp1_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:

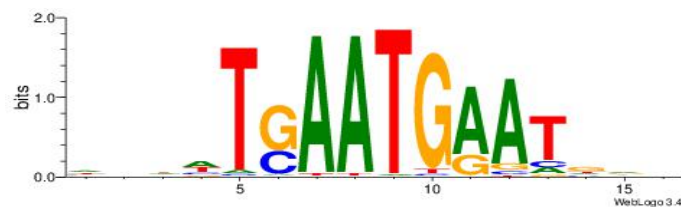
```

HHDWTSAAATGAATDDB
----TGAATGAA-----

```

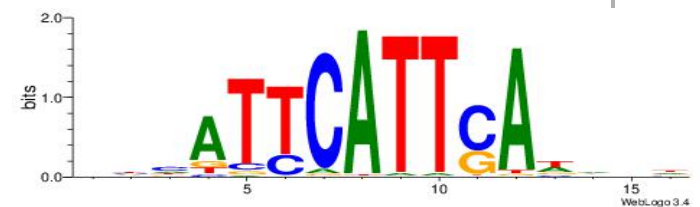
Original motif

Consensus sequence: HHDWTSAAATGAATDDB



Reverse complement motif

Consensus sequence: VDHATTCATTSAWDDH



Motif ID:	UP00118
Motif name:	Pou4f3
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:	0.0420896

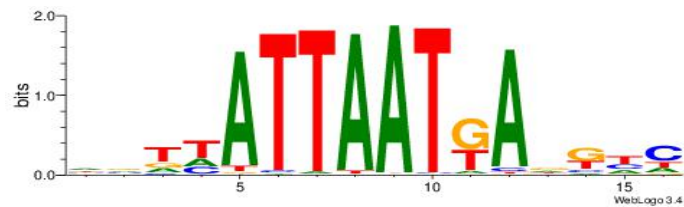
Alignment:

HVTTATTAATKADKHC

-----TGAATGAA---

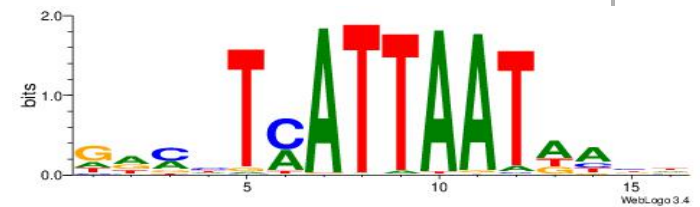
Original motif

Consensus sequence: HVTTATTAATKADKHC



Reverse complement motif

Consensus sequence: GHYHTYATTAATAAVH



Motif ID:

[UP00237](#)

Motif name:

Otp

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:

0.0426251

Alignment:

CHDMTTAATTAAKDHVV

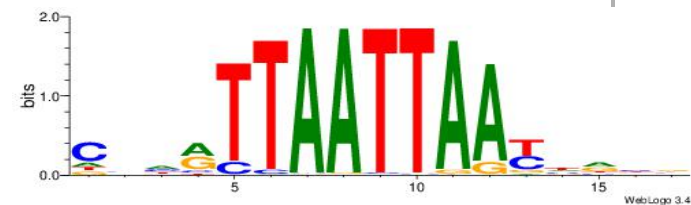
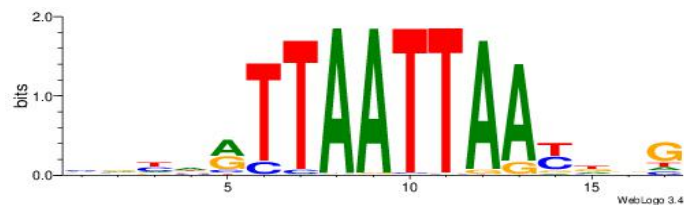
-----TTCATTCA-----

Original motif

Consensus sequence: VVHDRTTAATTAAYDDG

Reverse complement motif

Consensus sequence: CHDMTTAATTAAKDHVV

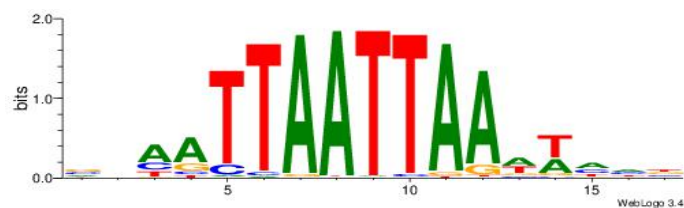


Motif ID: [UP00130](#)
 Motif name: Lhx3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0427891

Alignment:
 VHHWTTAATTAATTDV
 -----TTCATTCA-----

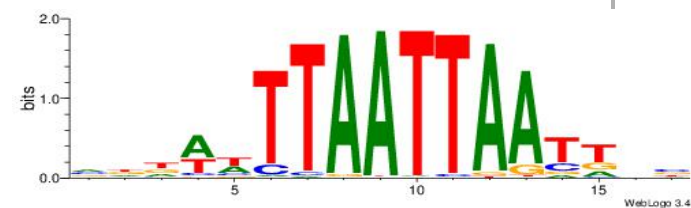
Original motif

Consensus sequence: VDAATTAATTAAWWHHB



Reverse complement motif

Consensus sequence: VHHWTTAATTAATTDV



Motif ID: [UP00212](#)

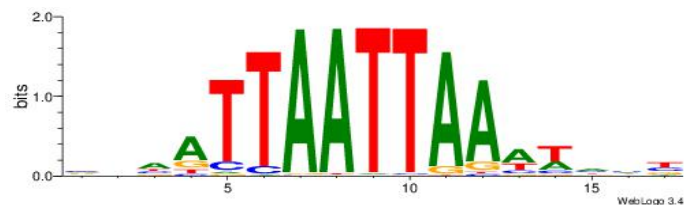
Motif name: Lhx5
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.044202

Alignment:

VDHWTTTAATTAATHHV
 -----TTCATTCA-----

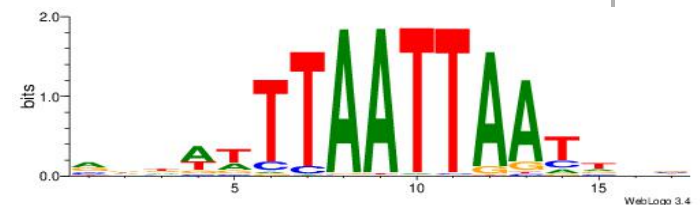
Original motif

Consensus sequence: VDHATTAATTAAWHHB



Reverse complement motif

Consensus sequence: VDHWTTTAATTAATHHV



Motif ID: [UP00012](#)
 Motif name: Bbx_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: 0.0451439

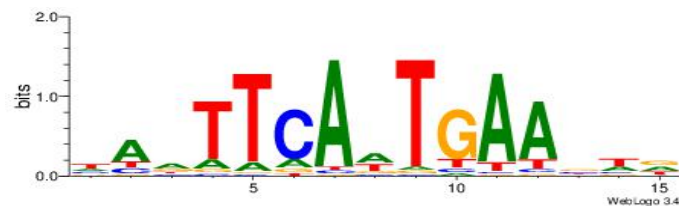
Alignment:

HWBTTCAWTGAADTH

---TTCATTCA----

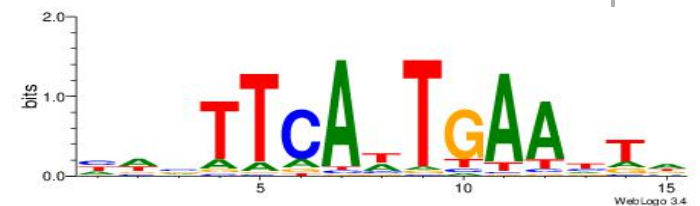
Original motif

Consensus sequence: HADTTCAWTGAABWD



Reverse complement motif

Consensus sequence: HWBTTCAWTGAADTH



Motif ID: [UP00142](#)

Motif name: Uncx4.1

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: 0.0455949

Alignment:

CVVBTTAATTAATDHDV

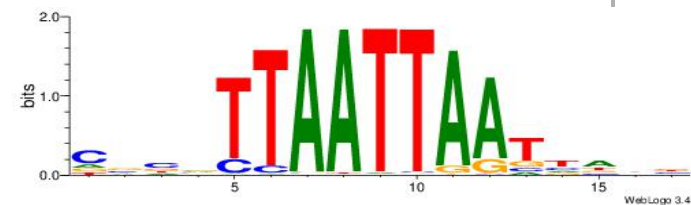
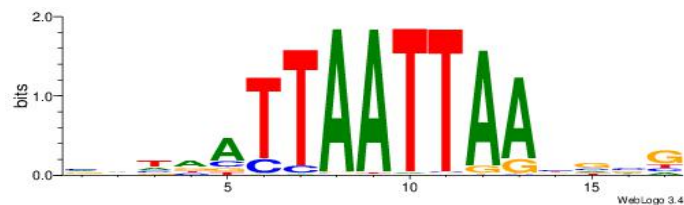
----TGAATGAA-----

Original motif

Consensus sequence: VDHDATTAATTAABVVG

Reverse complement motif

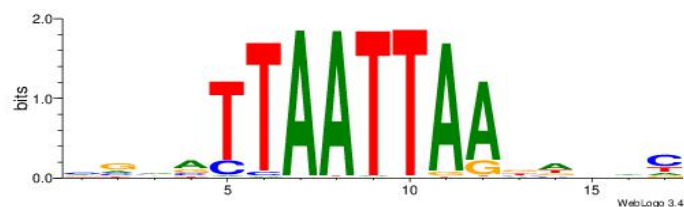
Consensus sequence: CVVBTTAATTAATDHDV



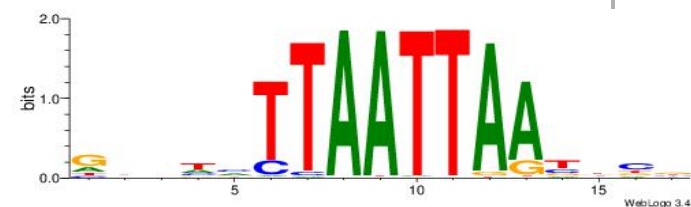
Motif ID: [UP00172](#)
 Motif name: Prop1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0460946

Alignment:
 GDDDBTTAATTAABBVV
 -----TTCATTCA-----

Original motif
 Consensus sequence: VVVVTTAATTAABDDDC



Reverse complement motif
 Consensus sequence: GDDDBTTAATTAABBVV



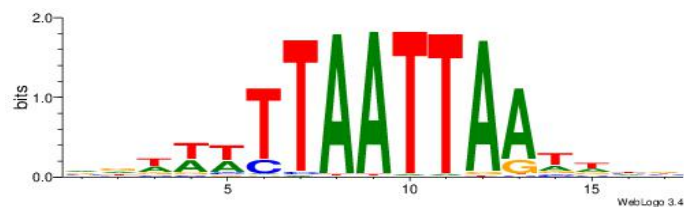
Motif ID: [UP00169](#)
 Motif name: Lmx1b
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.048175

Alignment:

BHDATTAATTAAWWWHB
 ----TGAATGAA-----

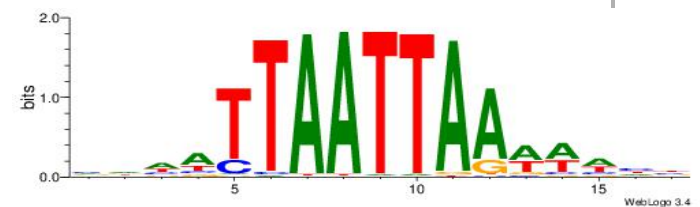
Original motif

Consensus sequence: VDWWWTTAATTAATDHB



Reverse complement motif

Consensus sequence: BHDATTAATTAAWWWHB



Motif ID: [UP00149](#)
 Motif name: Phox2b
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6

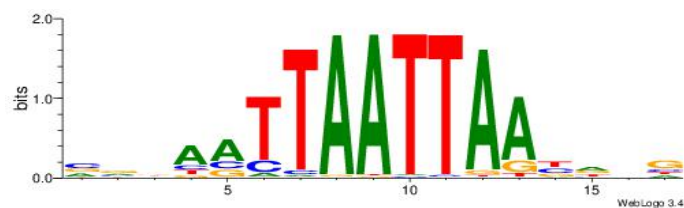
Number of overlap: 8
Similarity score: 0.0491281

Alignment:

CBDVTTAATTAATTBVV
-----TTCATTCA-----

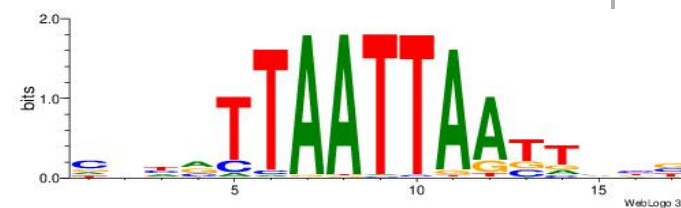
Original motif

Consensus sequence: VVBAATTAATTAABDBG



Reverse complement motif

Consensus sequence: CBDVTTAATTAATTBVV



Dataset #: 1 **Motif ID: 43** **Motif name: Motif 43**

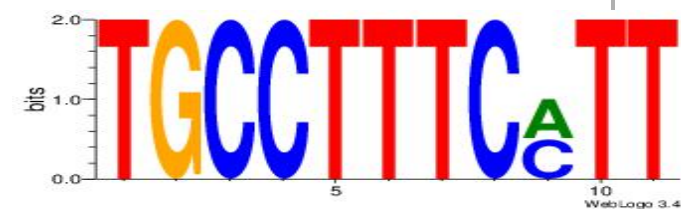
Original motif

Consensus sequence: AAKGAAAGGCA



Reverse complement motif

Consensus sequence: TGCCTTTCYT



Best Matches for Motif ID 43 (Highest to Lowest)

Motif ID: [UP00074](#)
Motif name: Isgf3g_primary
Species: Mus musculus

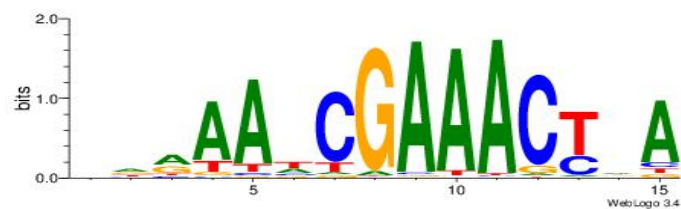
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	11
Similarity score:	0.012358

Alignment:

```
TDAGTTTCGWTTKDV
TGCCTTTCYTT----
```

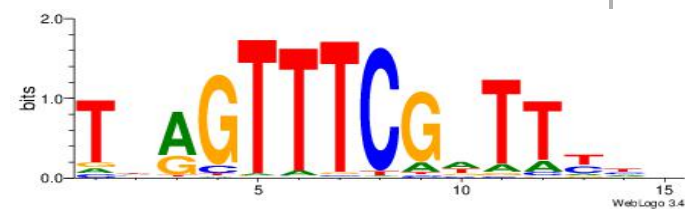
Original motif

Consensus sequence: VDRAAWCGAACTDA



Reverse complement motif

Consensus sequence: TDAGTTTCGWTTKDV



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:	3
Number of overlap:	11
Similarity score:	0.014351

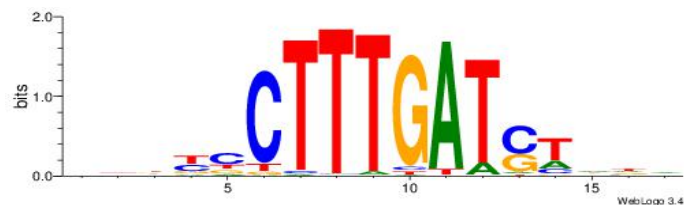
Alignment:

BDDASATCAAAGGMDDD

-----AAKGAAAGGCA--

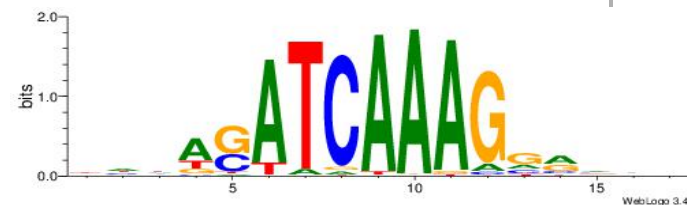
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDDD



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:	5
Number of overlap:	11
Similarity score:	0.015991

Alignment:

VDDAGATCAAAGGKDDD

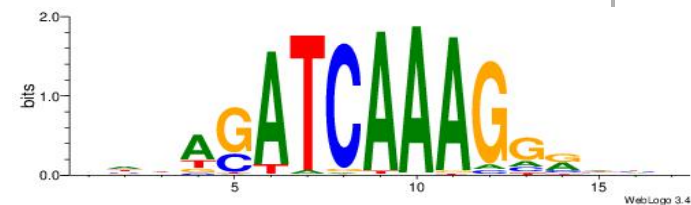
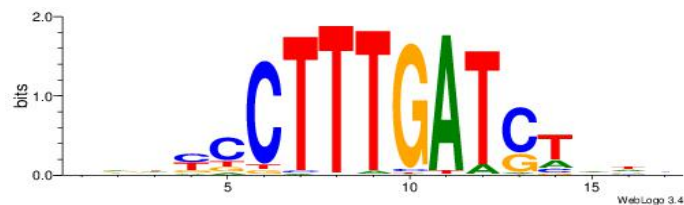
-----AAKGAAAGGCA--

Original motif

Consensus sequence: DDDYCCTTTGATCTDDV

Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD

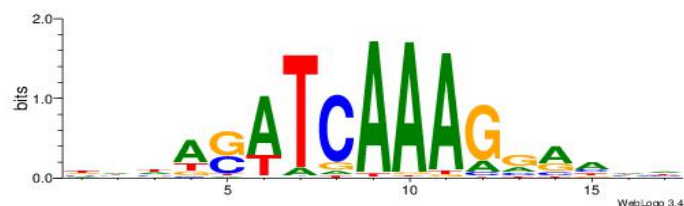


Motif ID: [UP00054](#)
 Motif name: Tcf7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0221257

Alignment:
 BHHASATCAAAGGAHHH
 ----AAKGAAAGGCA--

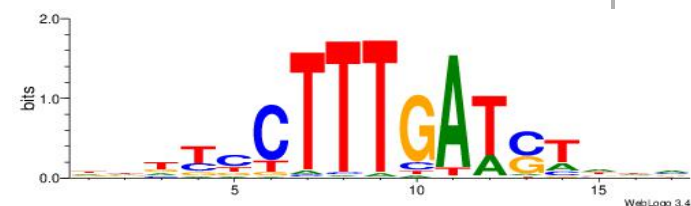
Original motif

Consensus sequence: BHHASATCAAAGGAHHH



Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV



Motif ID: [UP00030](#)

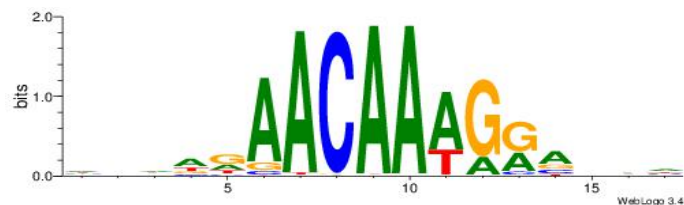
Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0233703

Alignment:

HHBTMCTTTGTTMDDVH
 --TGCCTTTCYTT----

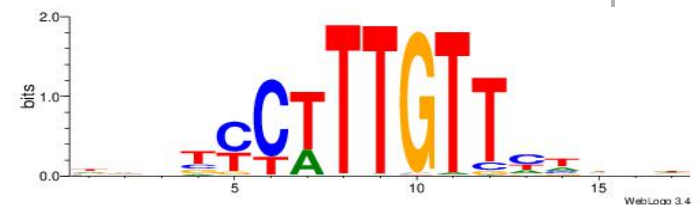
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11

Similarity score: 0.0234975

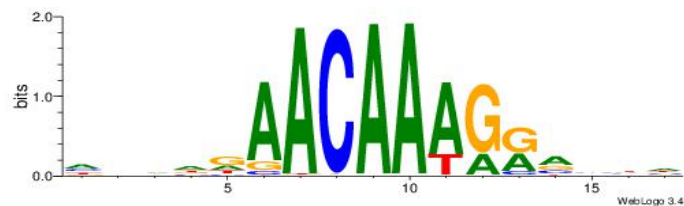
Alignment:

HHBBMCTTTGTTTHDDBH

--TGCCTTTCYTT----

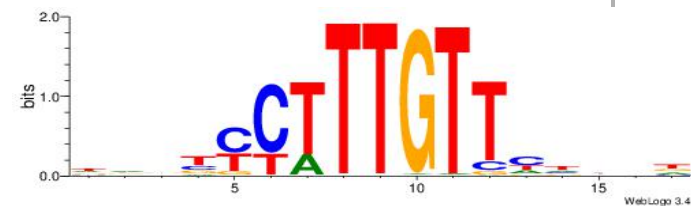
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTTHDDBH



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: 5
Number of overlap: 11
Similarity score: 0.0239255

Alignment:

HHHASATCAAAGVRHHH

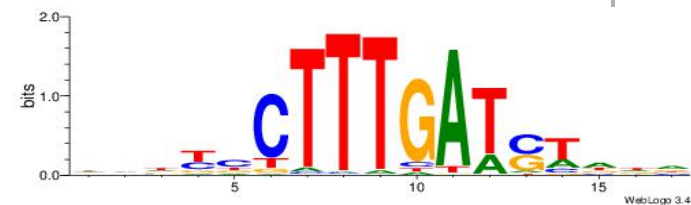
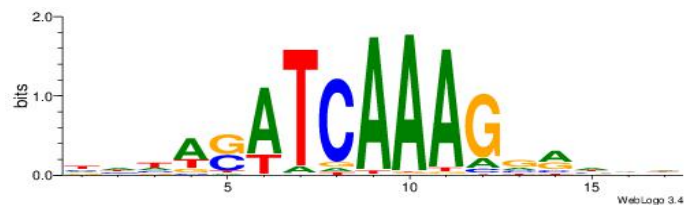
----AAKGAAAGGCA--

Original motif

Consensus sequence: HHHASATCAAAGVRHHH

Reverse complement motif

Consensus sequence: HHHKVCTTTGATSTHHH



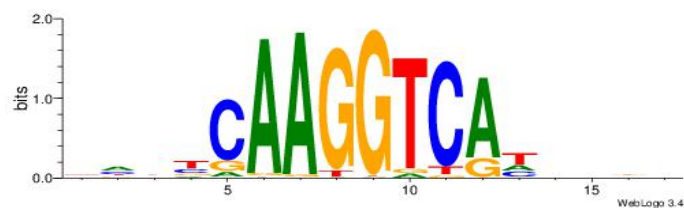
Motif ID: [UP00079](#)
 Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0239781

Alignment:

DHDBCAAGGTCAHVBDH
 -AAKGAAAGGCA-----

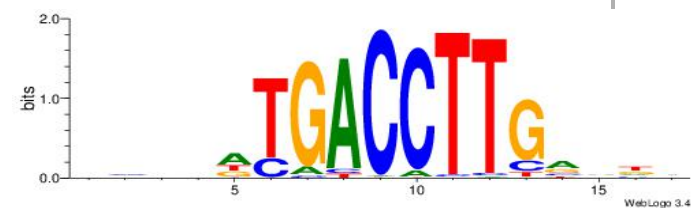
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



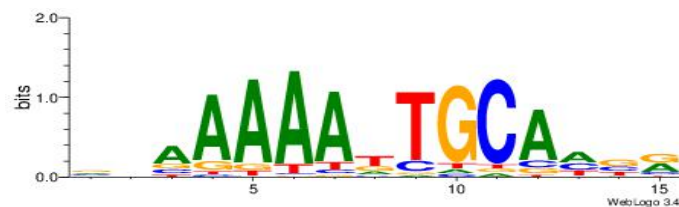
Motif ID: [UP00044](#)
 Motif name: Mafk_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0264082

Alignment:

MBHTGCADTTTTTHV
 ---TGCCTTTCYTT-

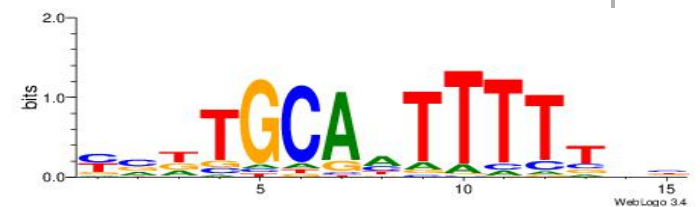
Original motif

Consensus sequence: VHAAAAADTGCAHBR



Reverse complement motif

Consensus sequence: MBHTGCADTTTTTHV



Motif ID: [UP00217](#)
 Motif name: Hoxa10
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1

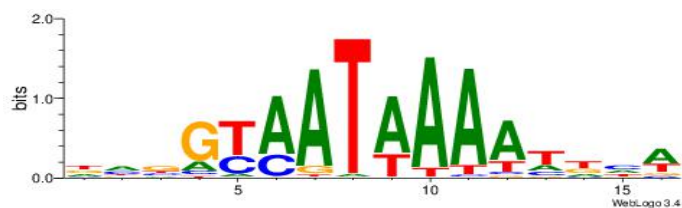
Number of overlap: 11
Similarity score: 0.0273937

Alignment:

DHBGYAATAAAATDHW
-----AAKGAAAGGCA

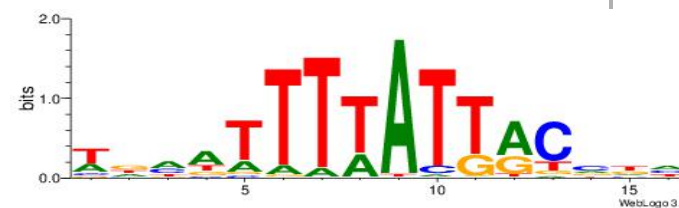
Original motif

Consensus sequence: DHBGYAATAAAATDHW



Reverse complement motif

Consensus sequence: WDDATTTTATTMCBHD



Dataset #: 1 **Motif ID: 44** **Motif name: Motif 44**

Original motif

Consensus sequence: AATGKAAGAA



Reverse complement motif

Consensus sequence: TTCTTYCATT



Best Matches for Motif ID 44 (Highest to Lowest)

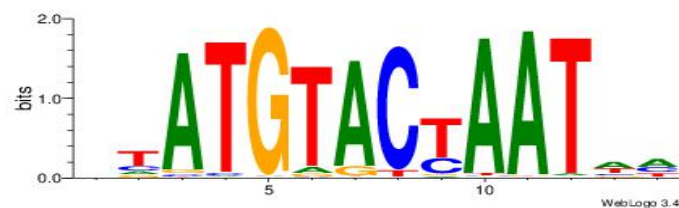
Motif ID: [UP00082](#)
Motif name: Zfp187_primary
Species: Mus musculus

Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	10
Similarity score:	0.0293208

Alignment:
 BTATGTACTAATWH
 -AATGKAAGAA---

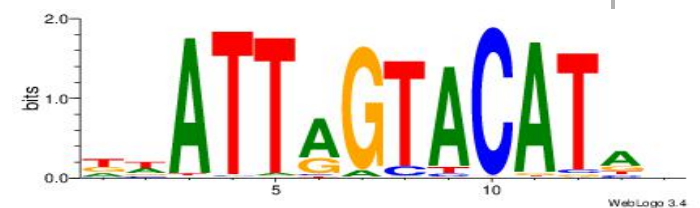
Original motif

Consensus sequence: BTATGTACTAATWH



Reverse complement motif

Consensus sequence: HWATTAGTACATAV



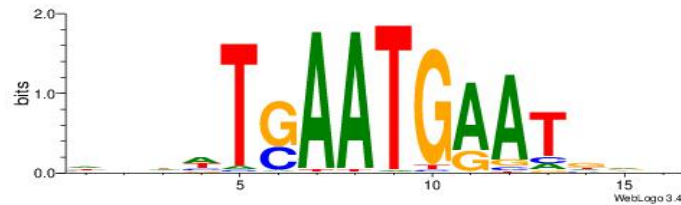
Motif ID:	UP00055
Motif name:	Hbp1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	7
Number of overlap:	10
Similarity score:	0.0314105

Alignment:

VDHATTCATTSAWDDH
TTCTTYCATT-----

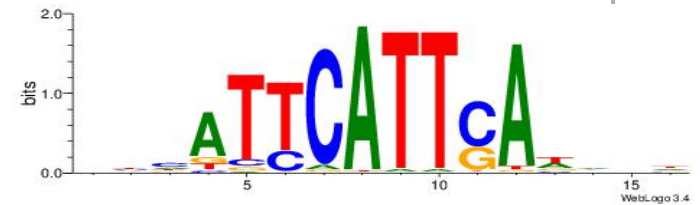
Original motif

Consensus sequence: HHDWTSATGAATDDB



Reverse complement motif

Consensus sequence: VDHATTCATTSAWDDH



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:	10
Similarity score:	0.0385918

Alignment:

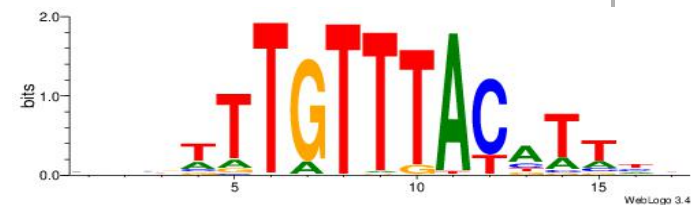
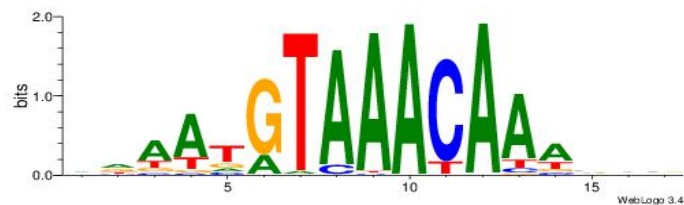
DDAATGTAAACAAAVVB
--AATGKAAGAA-----

Original motif

Consensus sequence: DDAATGTAAACAAAVVB

Reverse complement motif

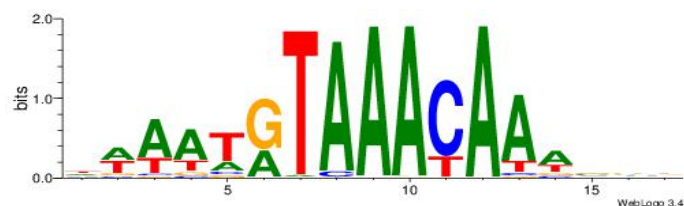
Consensus sequence: BBVTTTGTTCATTDD



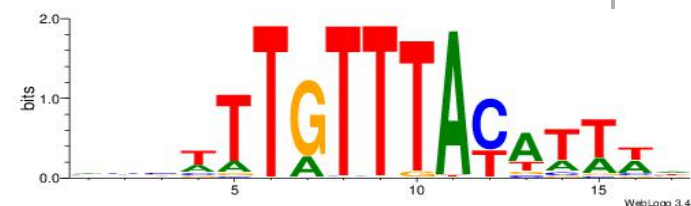
Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0392784

Alignment:
 DWAATRTAAACA...
 --AATGKAAGAA-----

Original motif
 Consensus sequence: DWAATRTAAACA...



Reverse complement motif
 Consensus sequence: VVVWTTGTTTAMATTWD



Motif ID: [UP00157](#)

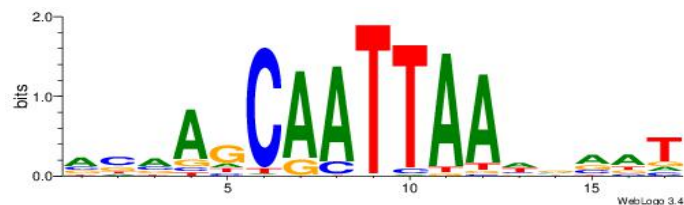
Motif name: Hmx3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0433812

Alignment:

ATBVHTTAATTGCTBBB
 -TTCTTYCATT-----

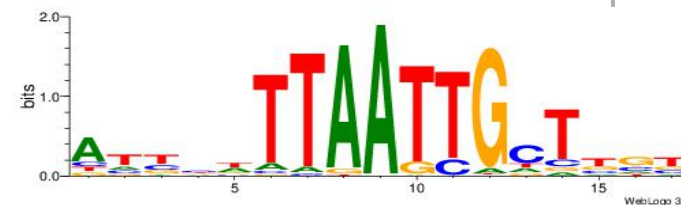
Original motif

Consensus sequence: VBVAGCAATTAAHVVAT



Reverse complement motif

Consensus sequence: ATBVHTTAATTGCTBBB



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: 5
 Number of overlap: 10

Similarity score: 0.0436699

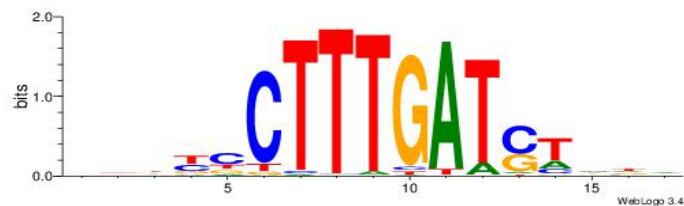
Alignment:

DDDYCCTTTGATSTDDV

---TTCTTYCATT----

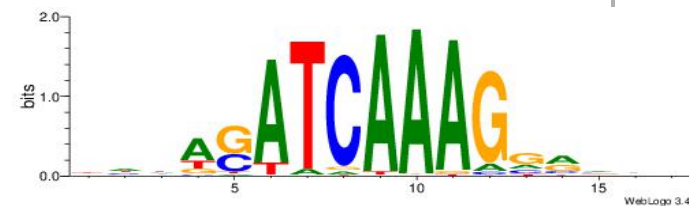
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDD



Motif ID: [UP00067](#)
Motif name: Lef1_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: 0.0444106

Alignment:

DDDYCCTTTGATCTDDV

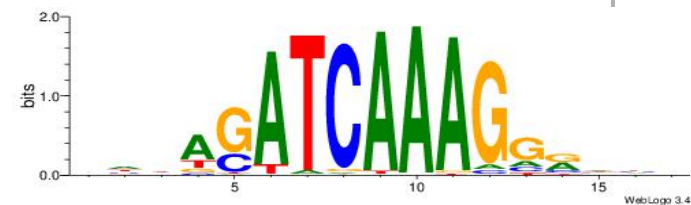
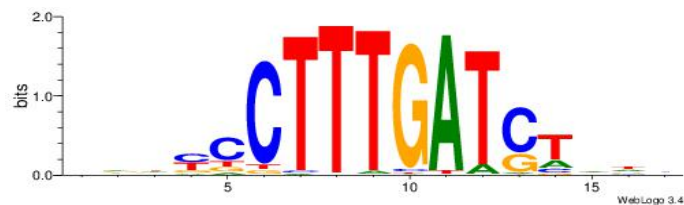
---TTCTTYCATT----

Original motif

Consensus sequence: DDDYCCTTTGATCTDDV

Reverse complement motif

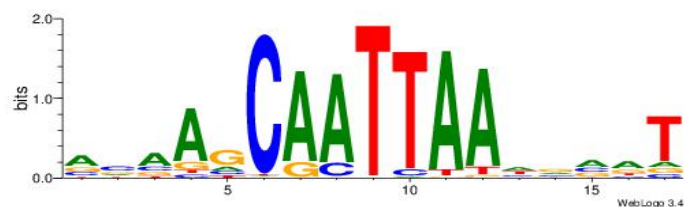
Consensus sequence: VDDAGATCAAAGGKDDD



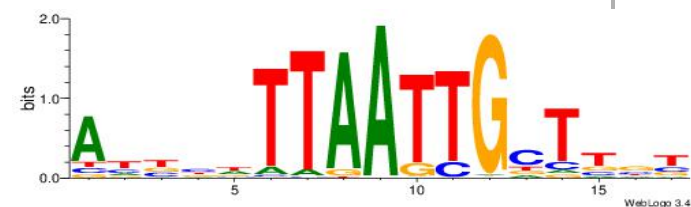
Motif ID: [UP00155](#)
 Motif name: Hmx2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0454888

Alignment:
 ADBVHTTAATTGCTTVB
 -TTCTTYCATT-----

Original motif
 Consensus sequence: VVAAGCAATTAAHVVD



Reverse complement motif
 Consensus sequence: ADBVHTTAATTGCTTVB



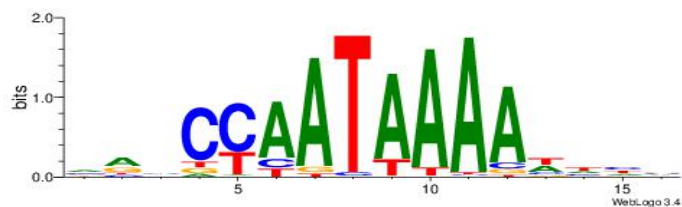
Motif ID: [UP00134](#)
 Motif name: Hoxb13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0479046

Alignment:

VDHWTTTATTGGDKB
 -TTCTTYCATT-----

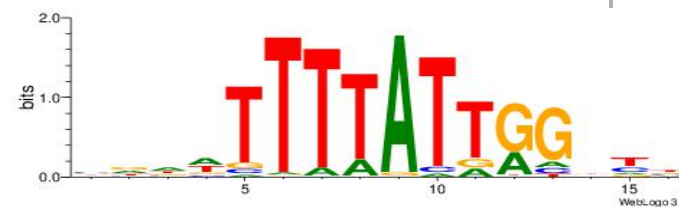
Original motif

Consensus sequence: VRHCCAATAAAWHHV



Reverse complement motif

Consensus sequence: VDHWTTTATTGGDKB



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

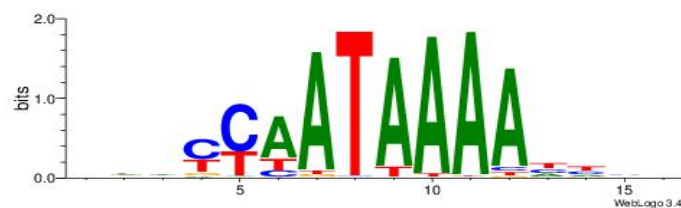
Number of overlap: 10
Similarity score: 0.0481894

Alignment:

HDHHTTTTATTKKHDD
-TTCTTYCATT-----

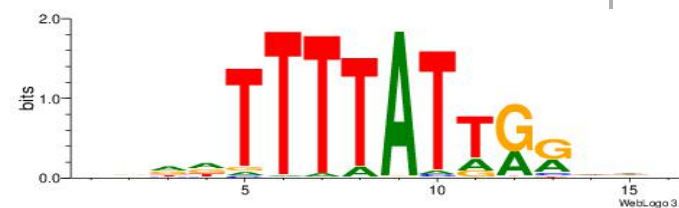
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

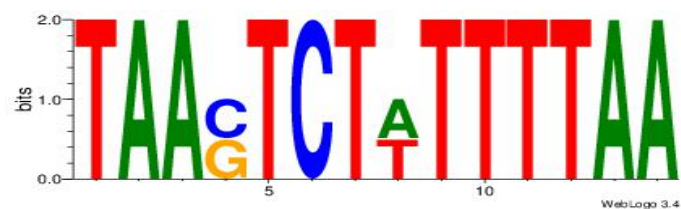
Consensus sequence: HDHHTTTTATTKKHDD



Dataset #: 1 Motif ID: 45 Motif name: Motif 45

Original motif

Consensus sequence: TAASTCTWTTTAA



Reverse complement motif

Consensus sequence: TTAAAWAGASTTA



Best Matches for Motif ID 45 (Highest to Lowest)

Motif ID: [UP00114](#)
Motif name: Homez
Species: Mus musculus

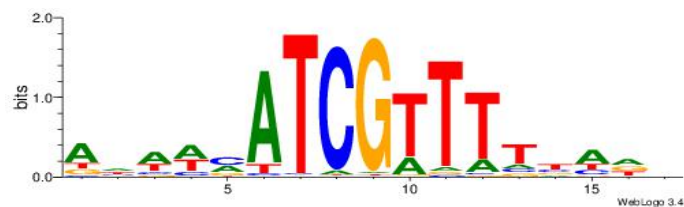
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	14
Similarity score:	0.0426024

Alignment:

```
AHWWMATCGTTTTBADD
--TAASTCTWTTTTTAA-
```

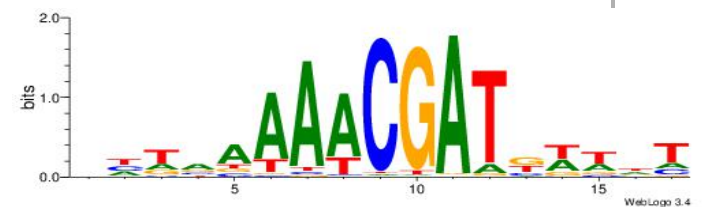
Original motif

Consensus sequence: AHWWMATCGTTTTBADD



Reverse complement motif

Consensus sequence: HDTVAAAACGATRWWHT



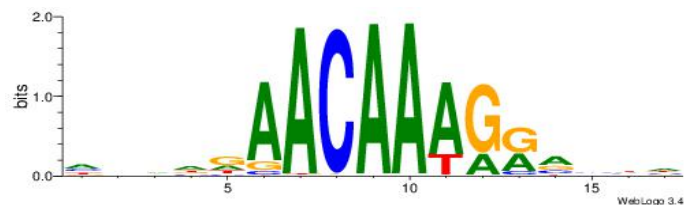
Motif ID:	UP00062
Motif name:	Sox4_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	14
Similarity score:	0.04935

Alignment:

HHBBMCTTTGTTTHDDBH
---TTAAAWAGASTTA

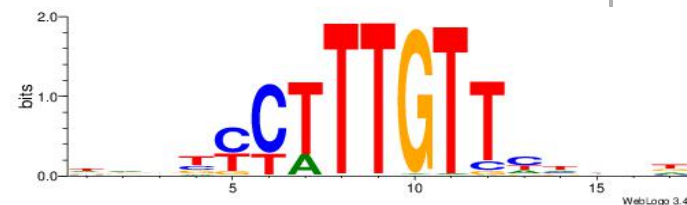
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTTHDDBH



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: 13
Similarity score: 0.542468

Alignment:

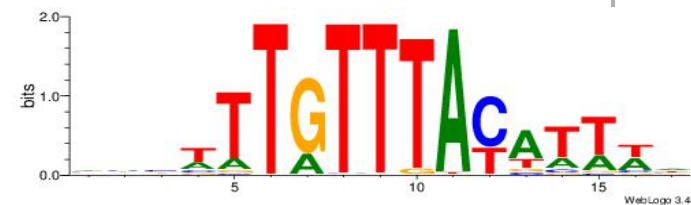
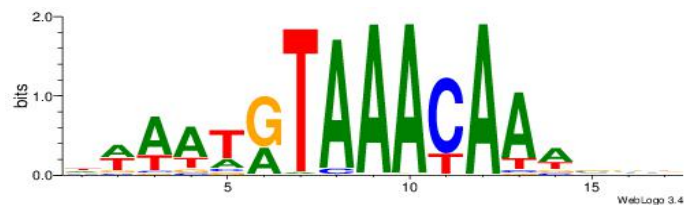
DWAATRTAAACAAWVVB-
-TAASTCTWTTTAA---

Original motif

Consensus sequence: DWAATRTAAACAAWVVB

Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD

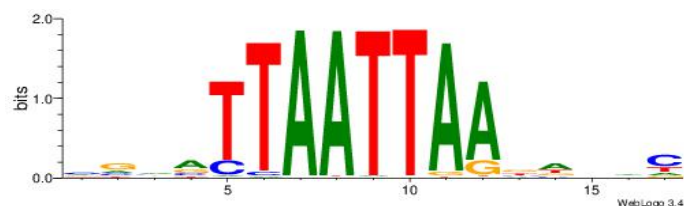


Motif ID: [UP00172](#)
 Motif name: Prop1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 13
 Similarity score: 0.545182

Alignment:
 VVVVTTAATTAABDDDC-
 ----TTAAAWAGASTTA

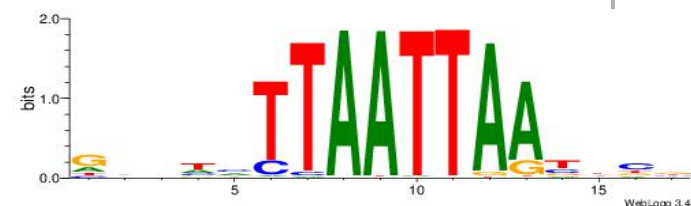
Original motif

Consensus sequence: VVVVTTAATTAABDDDC



Reverse complement motif

Consensus sequence: GDDDBTTAATTAABBVV



Motif ID: [UP00212](#)

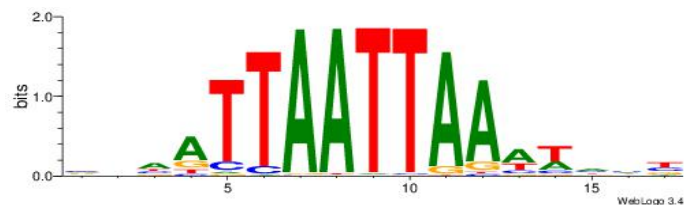
Motif name: Lhx5
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 13
 Similarity score: 0.547386

Alignment:

-VDHWTTTAATTAATHHV
 TAASTCTWTTTAA----

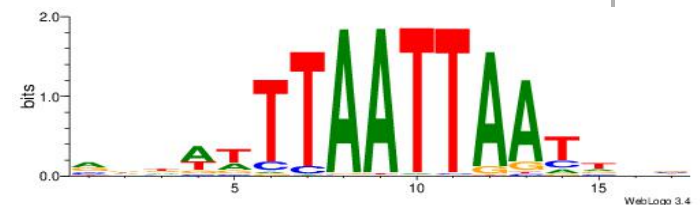
Original motif

Consensus sequence: VDHATTAATTAAWHHB



Reverse complement motif

Consensus sequence: VDHWTTTAATTAATHHV



Motif ID: [UP00237](#)
 Motif name: Otp
 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

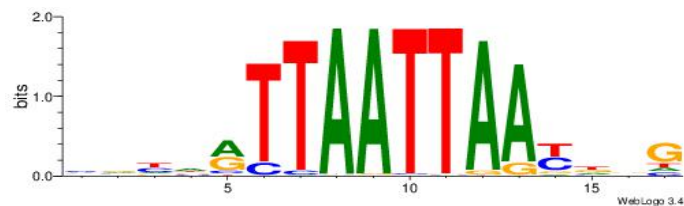
Similarity score: 0.548444

Alignment:

CHDMTTAATTAAKDHVV-
----TTAAAWAGASTTA

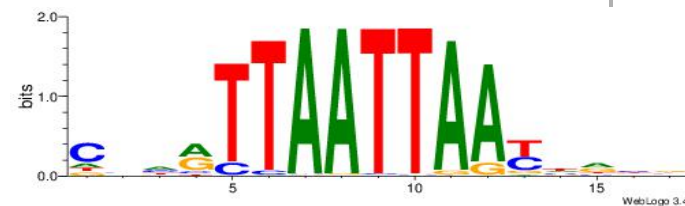
Original motif

Consensus sequence: VVHDRTTAATTAAYDDG



Reverse complement motif

Consensus sequence: CHDMTTAATTAAKDHVV



Motif ID: [UP00130](#)
Motif name: Lhx3
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: 0.548839

Alignment:

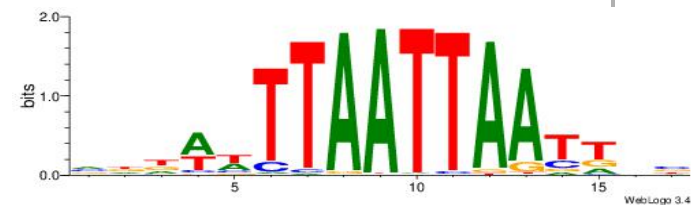
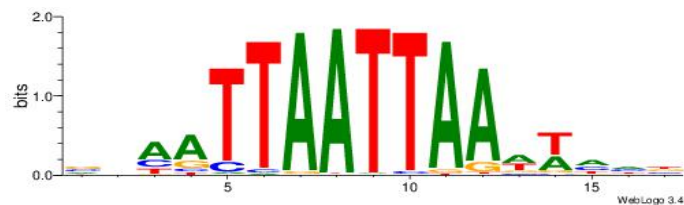
-VHHWWTTAATTAATTDV
---TTAAAWAGASTTA-

Original motif

Consensus sequence: VDAATTAATTAAWWHB

Reverse complement motif

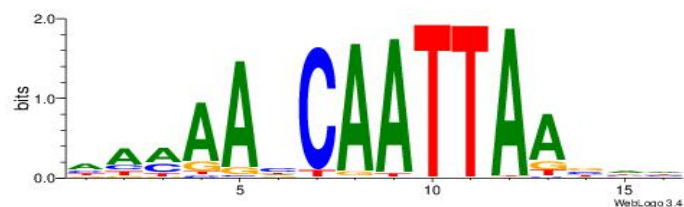
Consensus sequence: VHHWWTTAATTAATTDV



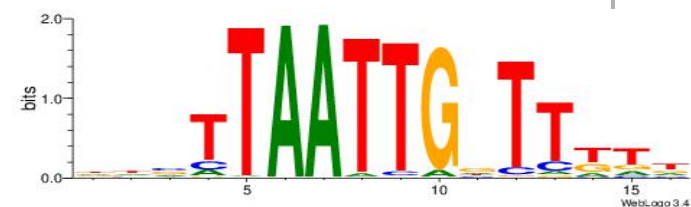
Motif ID: [UP00145](#)
 Motif name: Barhl2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 1.03054

Alignment:
 --HMAAAHCAATTAABHH
 --TAASTCTWTTTAA--

Original motif
 Consensus sequence: HMAAAHCAATTAABHH



Reverse complement motif
 Consensus sequence: HHBTTAATTGDTTYTH



Motif ID: [UP00109](#)
 Motif name: Obox6

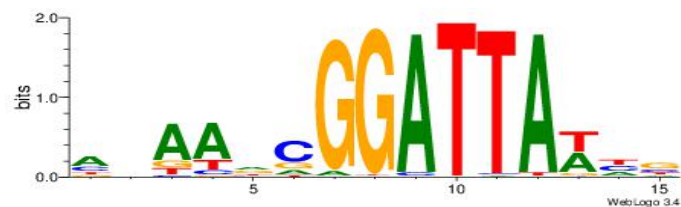
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 1.0344

Alignment:

--AHAADCGGATTAWHB
 TTAAAAWAGASTTA---

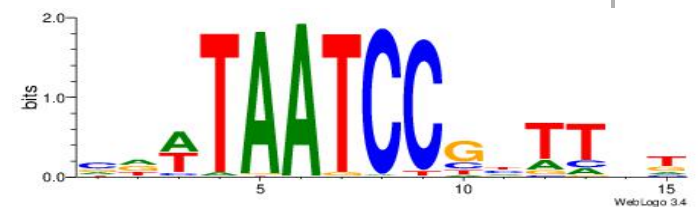
Original motif

Consensus sequence: AHAADCGGATTAWHB



Reverse complement motif

Consensus sequence: BHWTAATCCGDTTHT



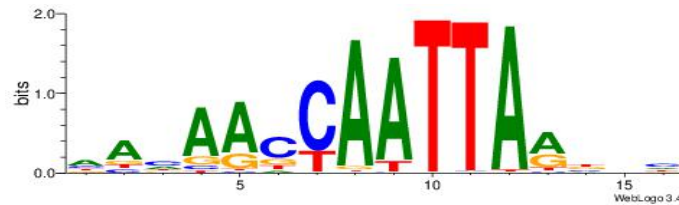
Motif ID: [UP00166](#)
 Motif name: Barhl1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 1.03746

Alignment:

```
--HAHAACCAATTARBDH  
TTAAAWAGASTTA----
```

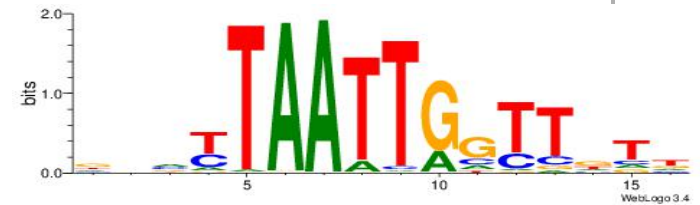
Original motif

Consensus sequence: HAHAACCAATTARBDH



Reverse complement motif

Consensus sequence: DDVKTAATTGGTTDTH



Dataset #: 1

Motif ID: 46

Motif name: Motif 46

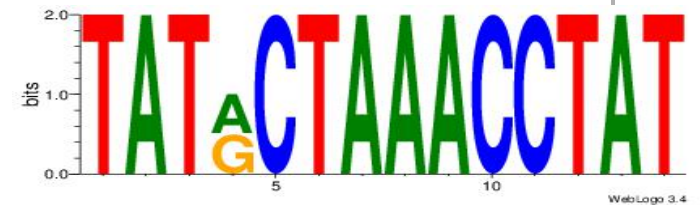
Original motif

Consensus sequence: ATAGGTTTAGYATA



Reverse complement motif

Consensus sequence: TATKCTAAACCTAT



Best Matches for Motif ID 46 (Highest to Lowest)

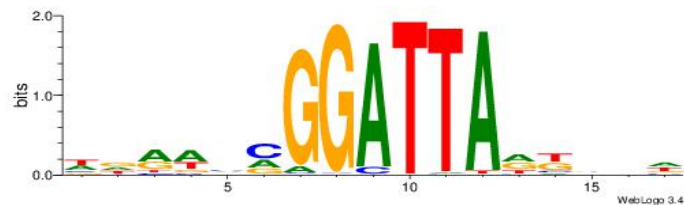
Motif ID:	UP00111
Motif name:	Dmbx1
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif

Direction: Forward
Position number: 4
Number of overlap: 14
Similarity score: 0.0364989

Alignment:
WDRWHMGGATTADKBHD
---ATAGGTTTAGYATA

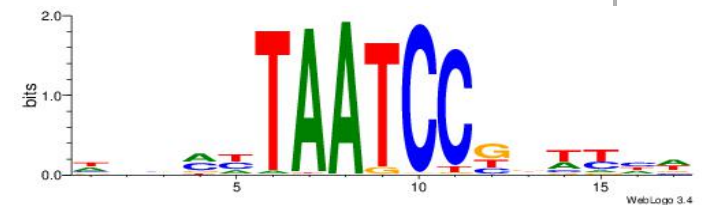
Original motif

Consensus sequence: WDRWHMGGATTADKBHD



Reverse complement motif

Consensus sequence: DHBRDTAATCCRDWKHW



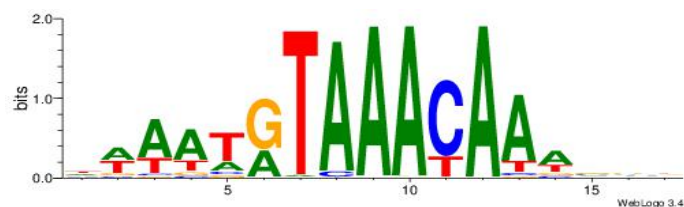
Motif ID: [UP00061](#)
Motif name: Foxl1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 14
Similarity score: 0.0393329

Alignment:

DWAATRTAAACAAWVVB
-TATKCTAAACCTAT--

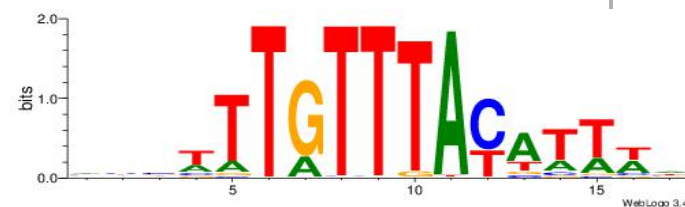
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



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:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0394759

Alignment:

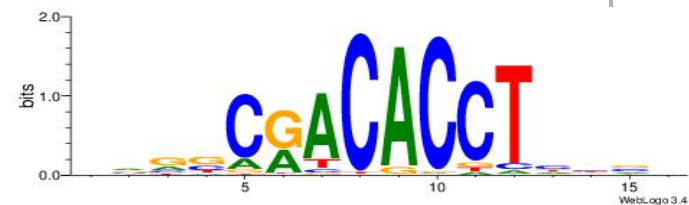
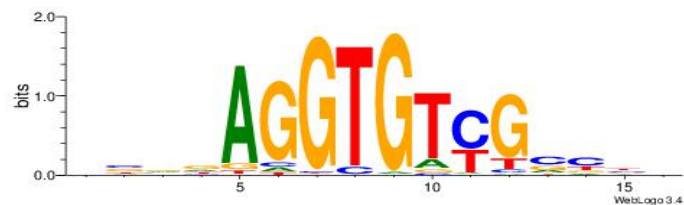
VVBVCKACACCTHVBV
TATKCTAAACCTAT--

Original motif

Consensus sequence: VBVDAGGTGTYGVBBV

Reverse complement motif

Consensus sequence: VVBVCKACACCTHVBV

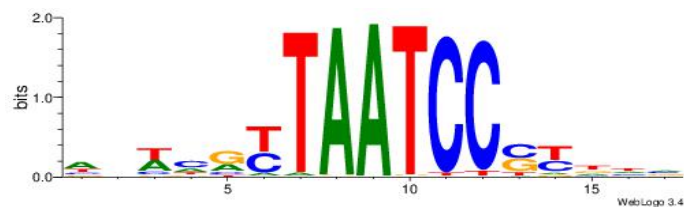


Motif ID: [UP00112](#)
 Motif name: Gsc
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0411853

Alignment:
 HVWHRYTAATCCSYDHV
 -TATKCTAAACCTAT--

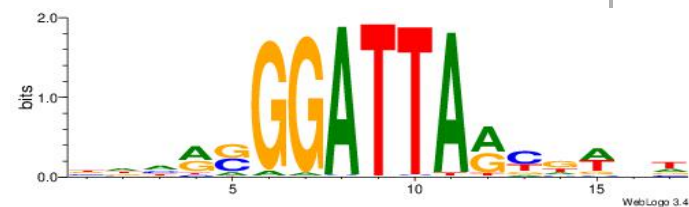
Original motif

Consensus sequence: HVWHRYTAATCCSYDHV



Reverse complement motif

Consensus sequence: BHDMSGGATTAMMDWBH



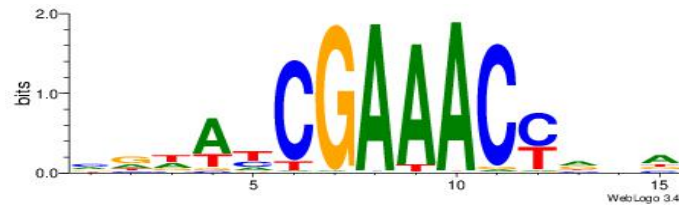
Motif ID: [UP00018](#)

Motif name: Irf4_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: 14
Similarity score: 0.041683

Alignment:
VDDAYCGAAACYDVA
ATAGGTTTAGYATA-

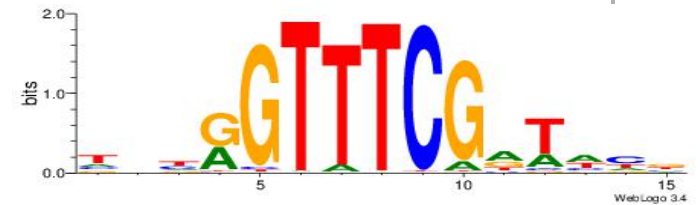
Original motif

Consensus sequence: VDDAYCGAAACYDVA



Reverse complement motif

Consensus sequence: TBDKGTTTCGMTDHSV



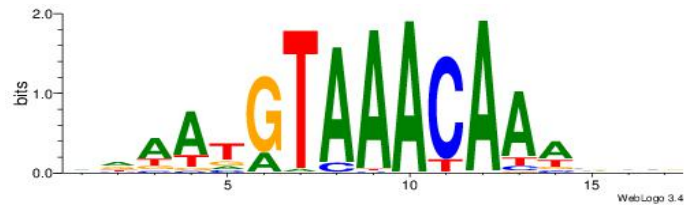
Motif ID: [UP00025](#)
Motif name: Foxk1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 14
Similarity score: 0.0422263

Alignment:

DDAATGTAAACAAAVVB
-TATKCTAAACCTAT--

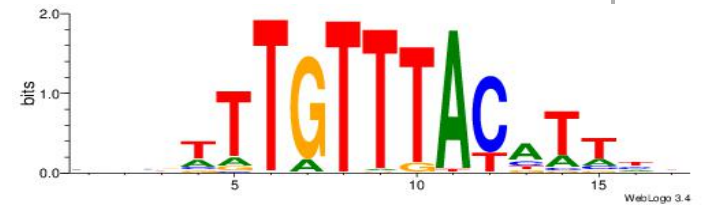
Original motif

Consensus sequence: DDAATGTAAACAAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTCATTDD



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:	3
Number of overlap:	14
Similarity score:	0.042495

Alignment:

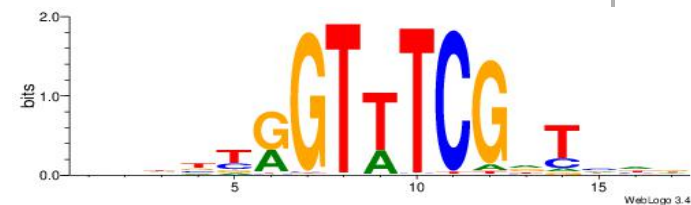
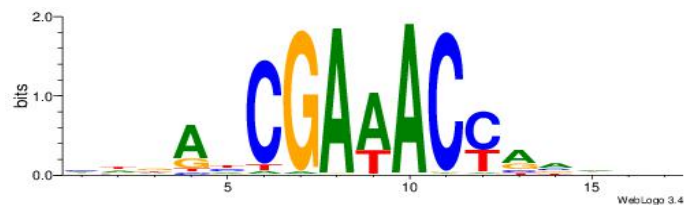
DHDBTKGTTTCGHTHDD
--ATAGGTTTAGYATA-

Original motif

Consensus sequence: HDDAHCGAAACYAVDDD

Reverse complement motif

Consensus sequence: DHDBTKGTTTCGHTHDD

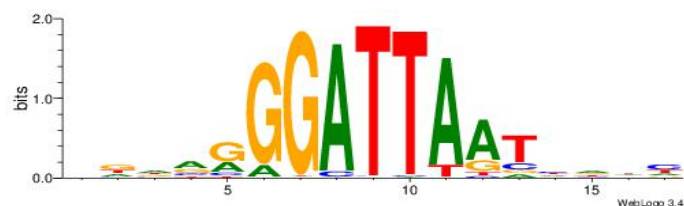


Motif ID: [UP00125](#)
 Motif name: Pitx2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0436835

Alignment:
 DDDVRGGATTAATHDDH
 --ATAGGTTTAGYATA-

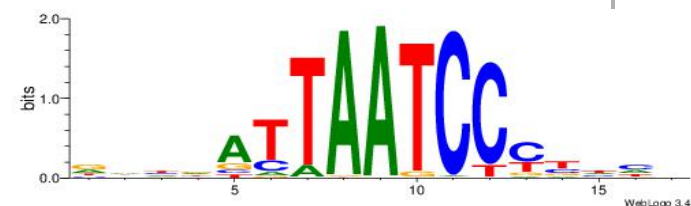
Original motif

Consensus sequence: DDDVRGGATTAATHDDH



Reverse complement motif

Consensus sequence: DDDDATTAATCCMBDHD



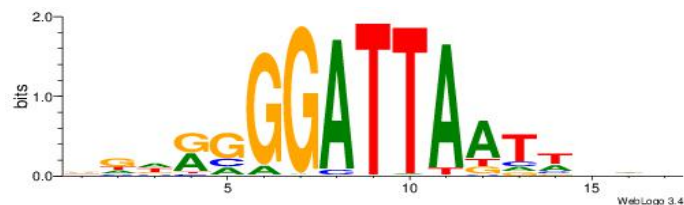
Motif ID: [UP00229](#)

Motif name: Otx1
 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: 0.0443397

Alignment:
 DDRGGGATTAATWHHB
 --ATAGGTTTAGYATA-

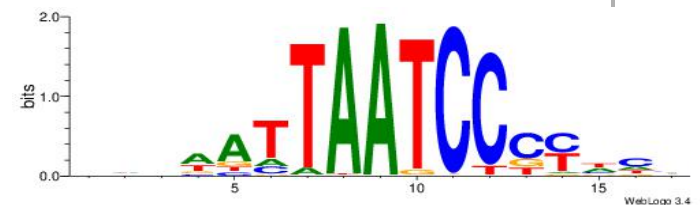
Original motif

Consensus sequence: DDRGGGATTAATWHHB



Reverse complement motif

Consensus sequence: VHHWATTAATCCCMDHH



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: 1
 Number of overlap: 14
 Similarity score: 0.044637

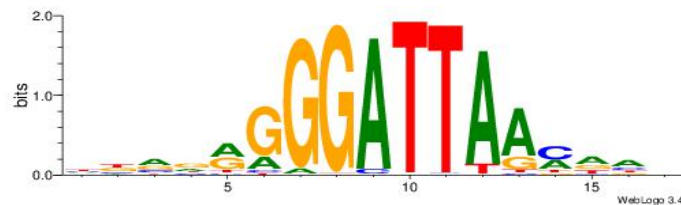
Alignment:

HBVDRGGGATTAAMDHH

---ATAGGTTTAGYATA

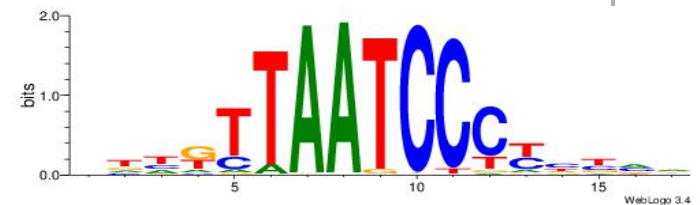
Original motif

Consensus sequence: HBVDRGGGATTAAMDHH



Reverse complement motif

Consensus sequence: HHDRTTAATCCCKHBVH



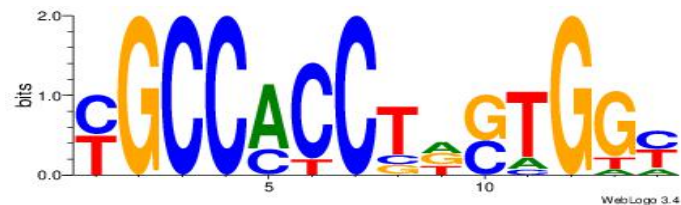
Dataset #: 2

Motif ID: 47

Motif name: Motif 47

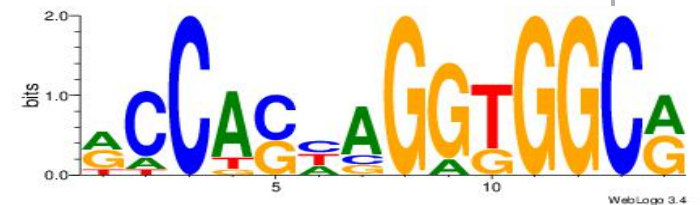
Original motif

Consensus sequence: YGCCACCTDSTGGY



Reverse complement motif

Consensus sequence: KCCASDAGGTGGCK



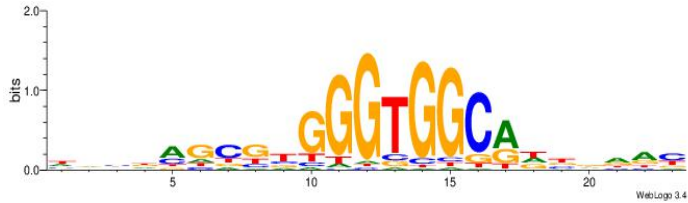
Best Matches for Motif ID 47 (Highest to Lowest)

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

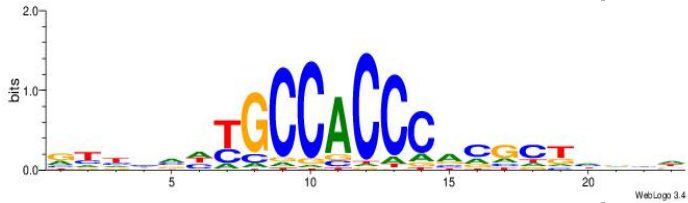
Direction: Backward
Position number: 7
Number of overlap: 14
Similarity score: 0.0145956

Alignment:
HVBDAGCGBGGGTGGCRDBDDDB
---KCCASDAGGTGGCK-----

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



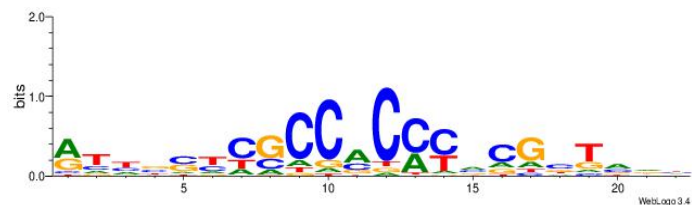
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 7
Number of overlap: 14
Similarity score: 0.0188184

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
-----YGCCACCTDSTGGY--

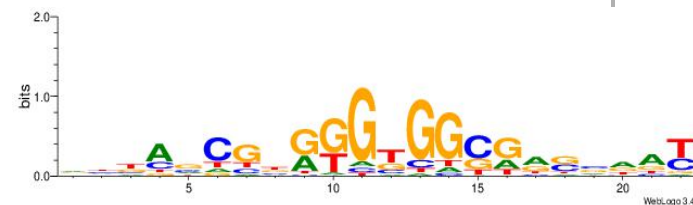
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



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:	8
Number of overlap:	14
Similarity score:	0.0231104

Alignment:

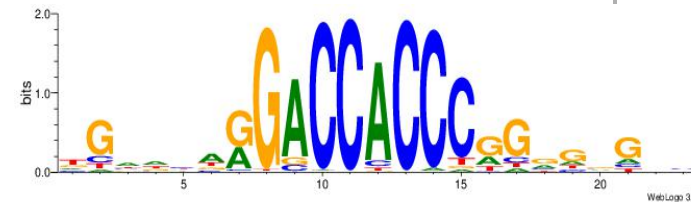
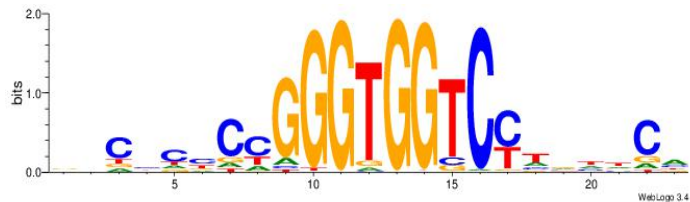
HGDHVHKGACCACCCGGBGBGDB
-----YGCCACCTDSTGGY--

Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH

Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB

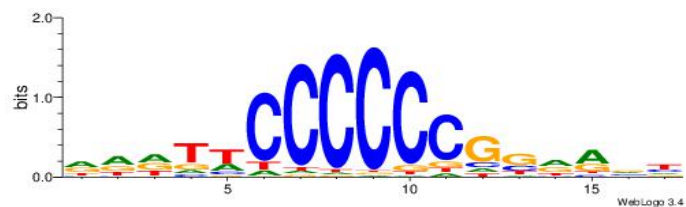


Motif ID: [UP00022](#)
 Motif name: Zfp740_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.025419

Alignment:
 DDDTWCCCCCGGDRVH
 ---YGCCACCTDSTGGY

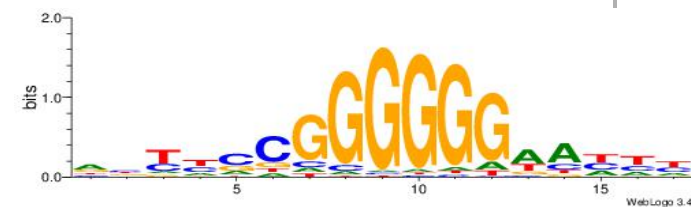
Original motif

Consensus sequence: DDDTWCCCCCGGDRVH



Reverse complement motif

Consensus sequence: HVKDCCGGGGGGWADDD



Motif ID: [UP00540](#)

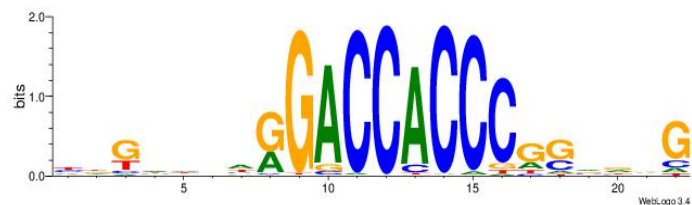
Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0278794

Alignment:

HDGHHBHRGACCACCCGSVDVG
 -----YGCCACCTDSTGGY

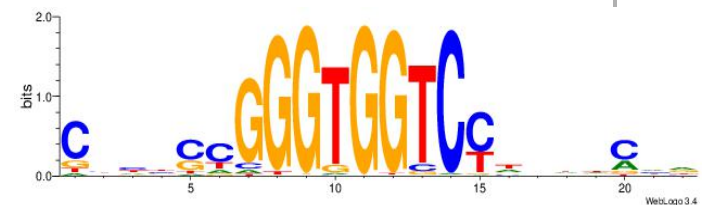
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



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: Forward
 Position number: 1
 Number of overlap: 14

Similarity score: 0.0283962

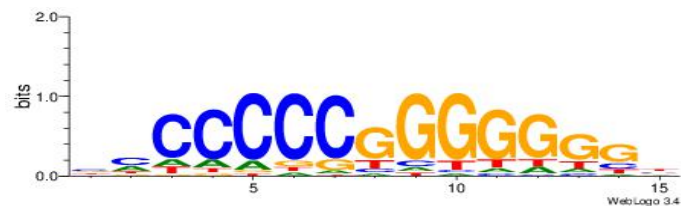
Alignment:

BMCCCCCGGGGGGB

YGCCACCTDSTGGY-

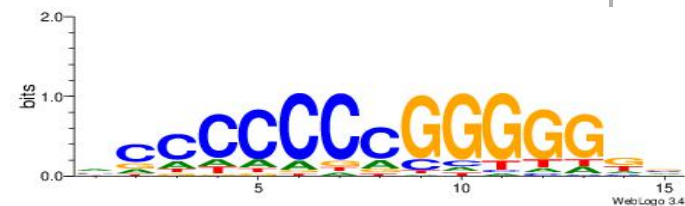
Original motif

Consensus sequence: BMCCCCCGGGGGGB



Reverse complement motif

Consensus sequence: VCCCCCGGGGGRB



Motif ID: [UP00102](#)
Motif name: Zic1_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: 0.0287857

Alignment:

BHCCCCCGGGGGG

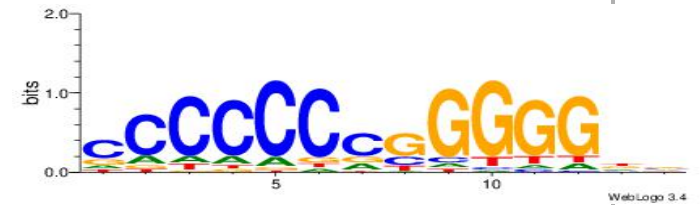
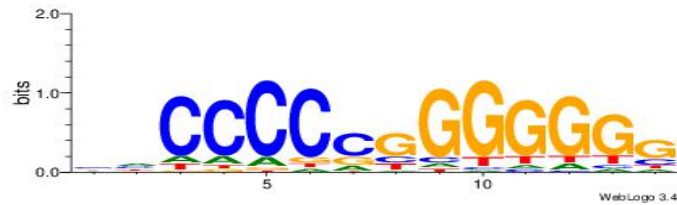
YGCCACCTDSTGGY

Original motif

Consensus sequence: BHCCCCCGGGGGG

Reverse complement motif

Consensus sequence: CCCCCCGGGGHB



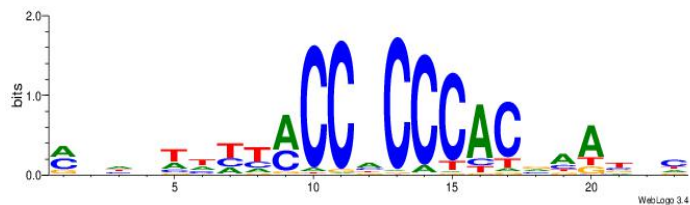
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 14
 Similarity score: 0.0289988

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 -----YGCCACCTDSTGGY--

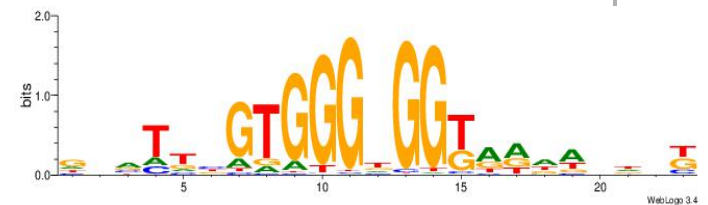
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Motif ID: [UP00540](#)

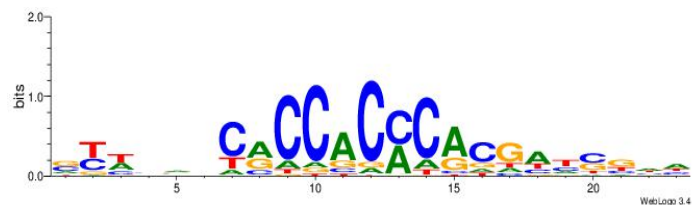
Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 14
 Similarity score: 0.0297857

Alignment:

HHBSHTCGTGRGTGGKGDBVWMV
 ---KCCASDAGGTGGCK-----

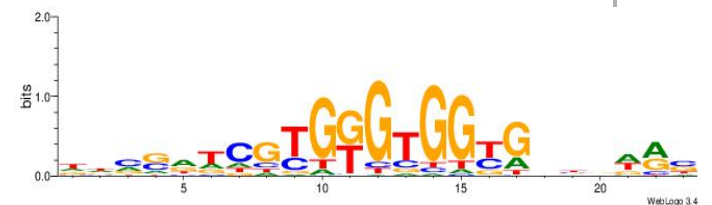
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

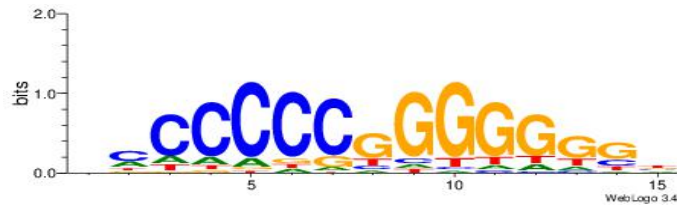


Motif ID: [UP00057](#)
 Motif name: Zic2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14

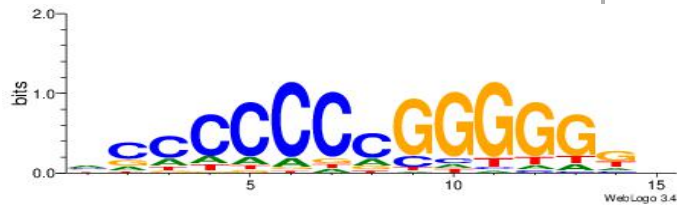
Similarity score: 0.0302183

Alignment:
BMCCCCGGGGGGGB
YGCCACCTDSTGGY-

Original motif
Consensus sequence: BMCCCCGGGGGGGB

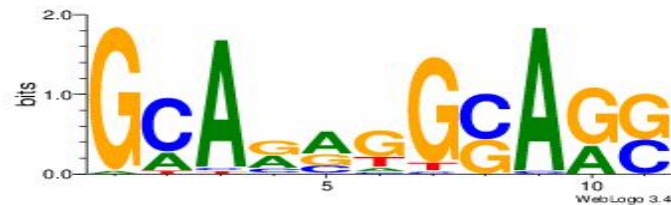


Reverse complement motif
Consensus sequence: VCCCCCGGGGGRB

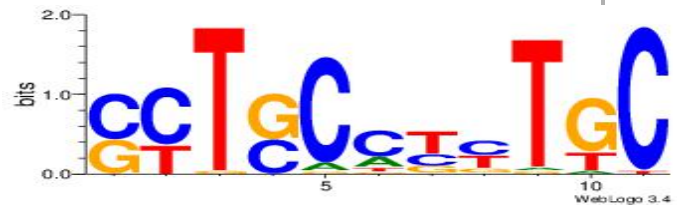


Dataset #: 2 Motif ID: 48 Motif name: Motif 48

Original motif
Consensus sequence: GCARRGGSAGS



Reverse complement motif
Consensus sequence: SCTSCCKMTGC



Best Matches for Motif ID 48 (Highest to Lowest)

Motif ID: [UP00153](#)
Motif name: Pitx1
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:	0.0454693

Alignment:

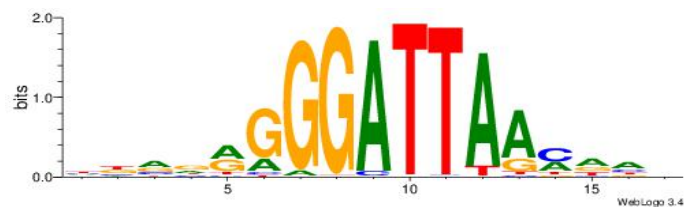
```

HHDRTTAATCCCKHBVH
-----SCTSCCKMTGC

```

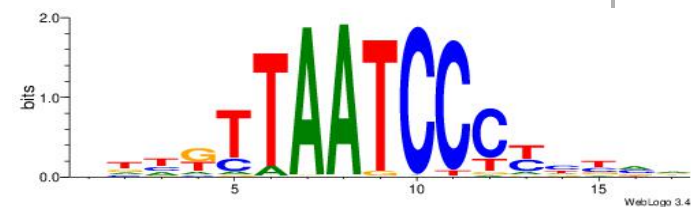
Original motif

Consensus sequence: HBVDRGGGATTAAMDHH



Reverse complement motif

Consensus sequence: HHDRTTAATCCCKHBVH



Motif ID:	UP00085
Motif name:	Sfpi1_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:	0.0458219

Alignment:

BDAWGVGGAAGTDH
GCARRGGSAGS---

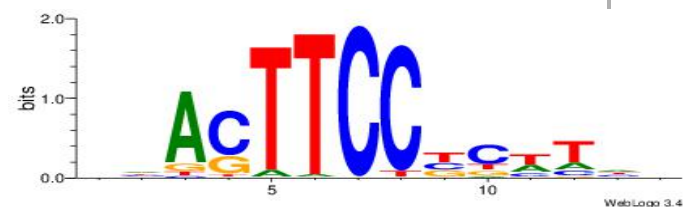
Original motif

Consensus sequence: BDAWGVGGAAGTDH



Reverse complement motif

Consensus sequence: HDACTTCBCWTDV



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:	Forward
Position number:	8
Number of overlap:	11
Similarity score:	0.0463674

Alignment:

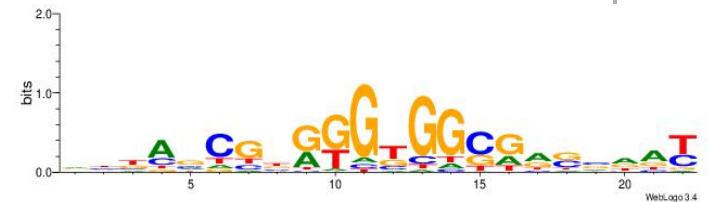
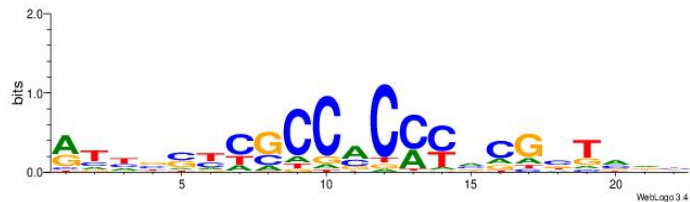
RTHBSYCGCCMCMYVCGBTVDH
-----SCTSCCKMTGC-----

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

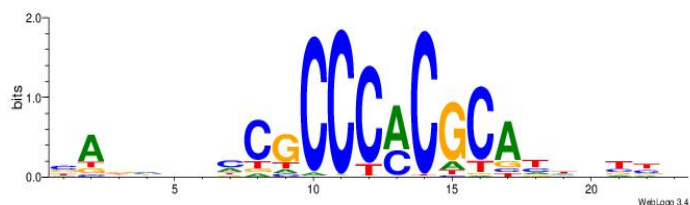


Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0465857

Alignment:
 BADHBDHCGCCCMCGCAHHDBBV
 -----SCTSCCKMTGC-----

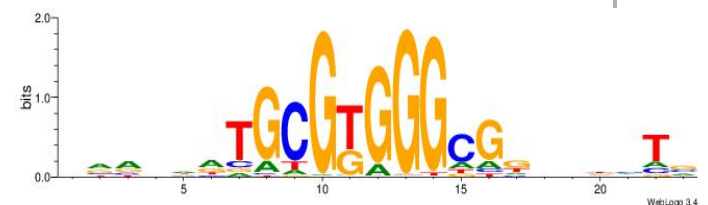
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



Motif ID: [UP00099](#)

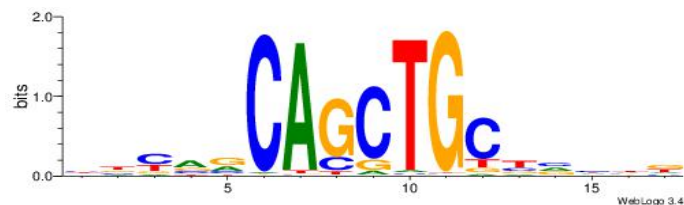
Motif name: Ascl2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0473355

Alignment:

BBYVVCAGCTGCBVHHD
 -SCTSCCKMTG-----

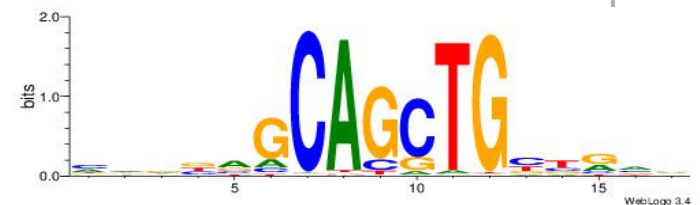
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HHDVVCAGCTGVBKVB



Motif ID: [UP00527](#)
 Motif name: Foxn4_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

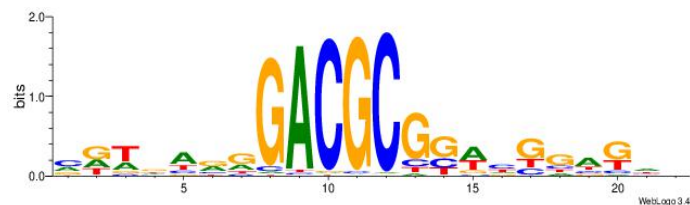
Similarity score: 0.0487126

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
-SCTSCCKMTGC-----

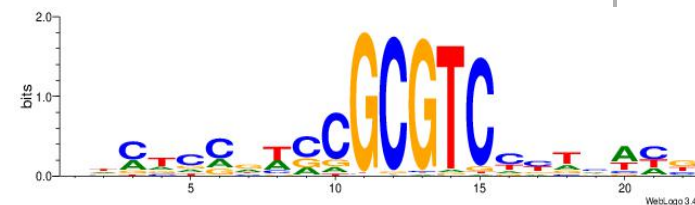
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



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: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0497623

Alignment:

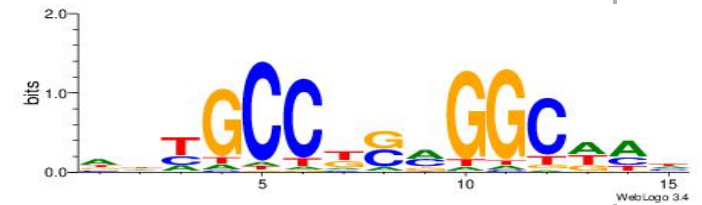
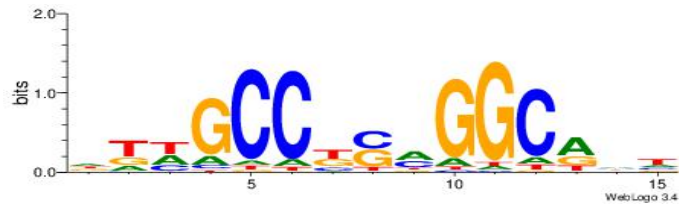
DTWGCKSMGGCRHH
----GCARRGGSAGS

Original motif

Consensus sequence: DTWGCKSMGGCRHH

Reverse complement motif

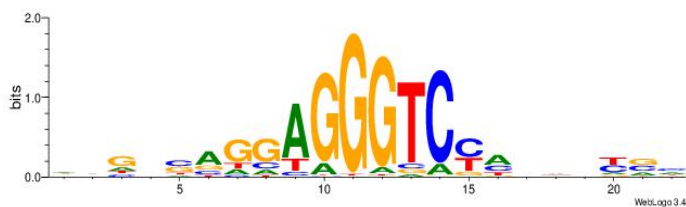
Consensus sequence: HHKGCCYSRGGCWAD



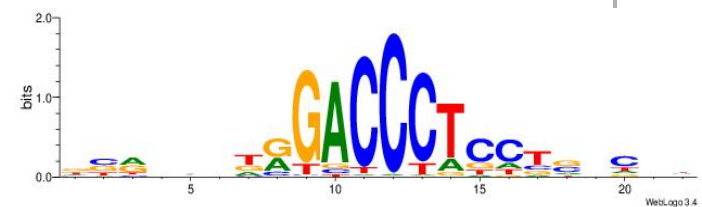
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0507547

Alignment:
 DVMHHDHKGACCCTCCTSVCBH
 -----SCTSCCKMTGC

Original motif
 Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif
 Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



Motif ID: [UP00055](#)

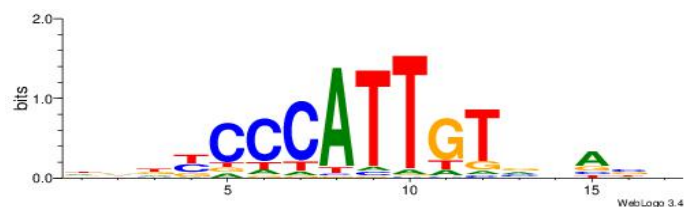
Motif name: Hbp1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0508648

Alignment:

HBTHVACAATGGGMDHD
 -----GCARRGGSAGS-

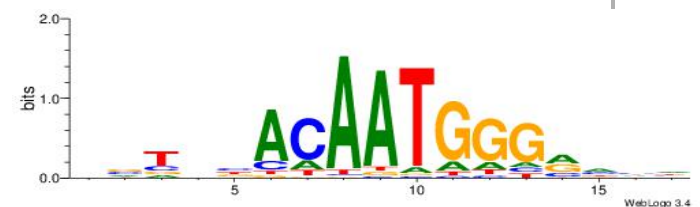
Original motif

Consensus sequence: DDDYCCATTGTVHABH



Reverse complement motif

Consensus sequence: HBTHVACAATGGGMDHD



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: 11

Similarity score: 0.0512938

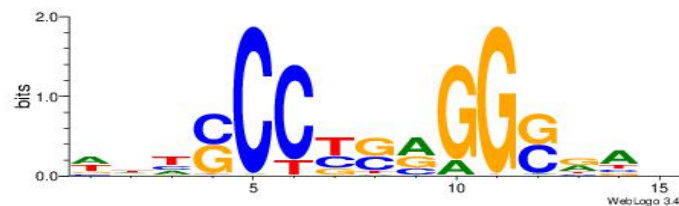
Alignment:

WDHSCCYSRGGSRAD

----GCARRGGSAGS

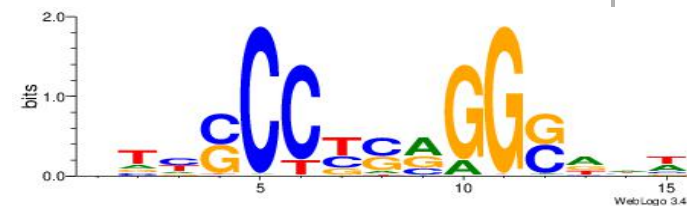
Original motif

Consensus sequence: WDHSCCYSRGGSRAD



Reverse complement motif

Consensus sequence: DTMSCCKSMGGSHDW



Dataset #: 2 **Motif ID: 49** **Motif name: Motif 49**

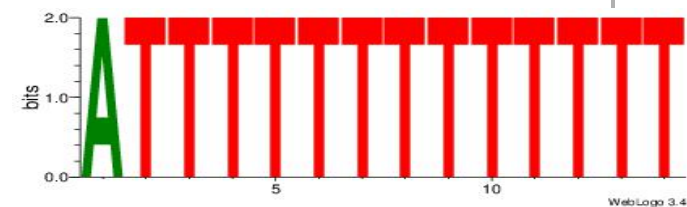
Original motif

Consensus sequence: AAAAAAAAAAAAAAT



Reverse complement motif

Consensus sequence: ATTTTTTTTTTTTTT



Best Matches for Motif ID 49 (Highest to Lowest)

Motif ID: [UP00037](#)
Motif name: Zfp105_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement

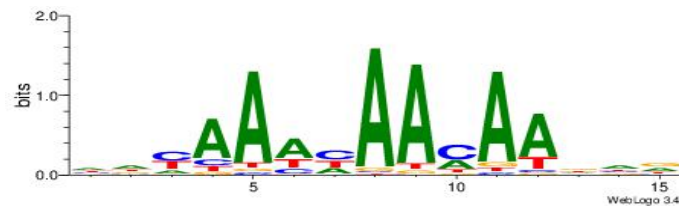
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	14
Similarity score:	0.0361736

Alignment:

```
HHHTTRTTDTTTKDH
ATTTTTTTTTTTTTT-
```

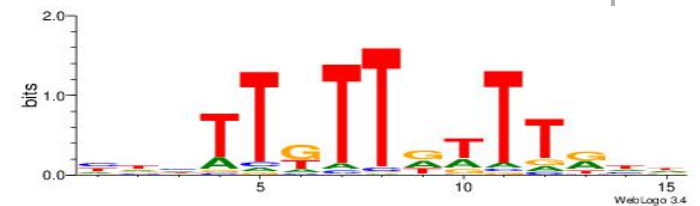
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTTRTTDTTTKDH



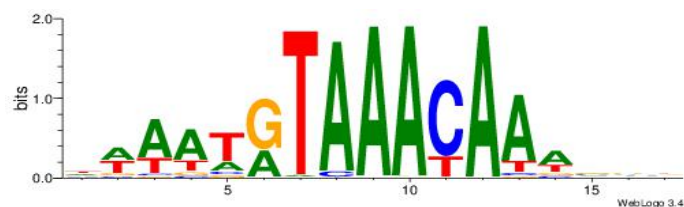
Motif ID:	UP00061
Motif name:	Foxl1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	14
Similarity score:	0.0391439

Alignment:

DWAATRTAACA WVV B
-AAAAAAAAAAT--

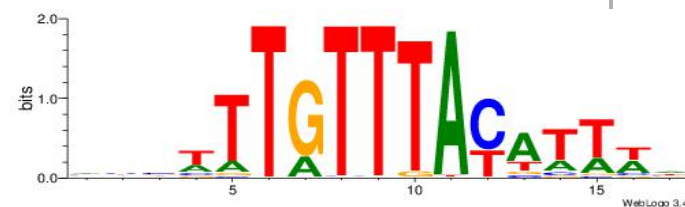
Original motif

Consensus sequence: DWAATRTAACA WVV B



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



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:	Forward
Position number:	3
Number of overlap:	14
Similarity score:	0.0416036

Alignment:

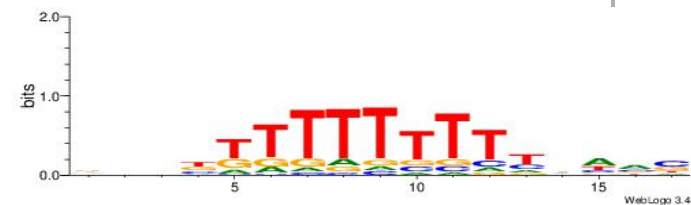
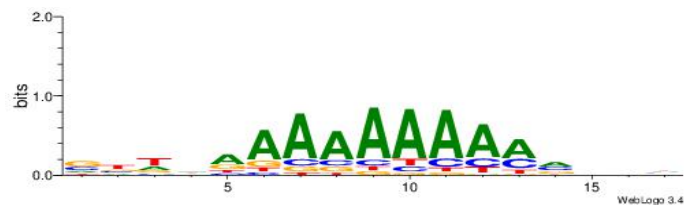
VBDDAAAAAAAAAMVBHH
--AAAAAAAAAAT--

Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH

Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDVV

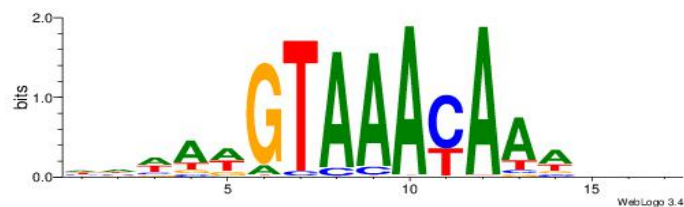


Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0420875

Alignment:
 BDVTTTKTTTACWTWHH
 --ATTTTTTTTTTTTTT-

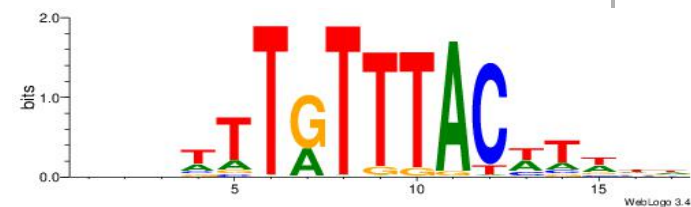
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



Motif ID: [UP00180](#)

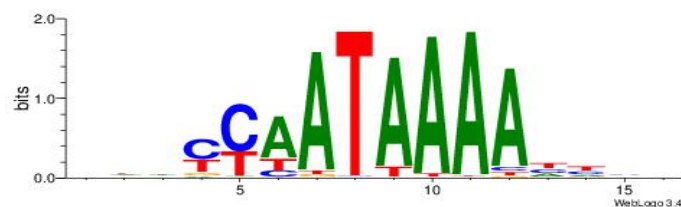
Motif name: Hoxd13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0424132

Alignment:

HDHHTTTTATTKKHDD
 --ATTTTTTTTTTTTTT

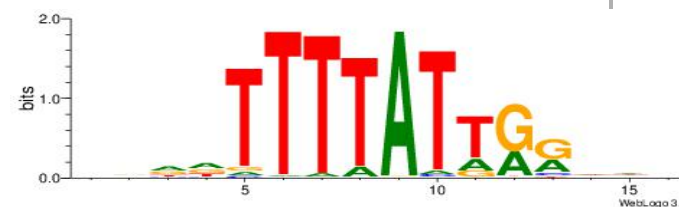
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD



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: 2
 Number of overlap: 14

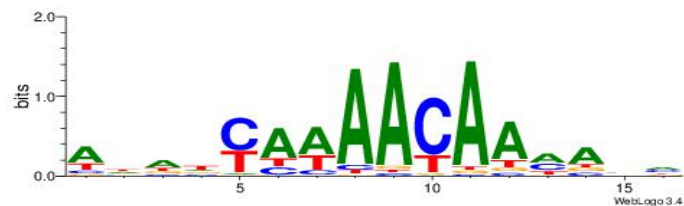
Similarity score: 0.0424666

Alignment:

HDTYTTGTTWTKDDDT
-ATTTTTTTTTTTTTT-

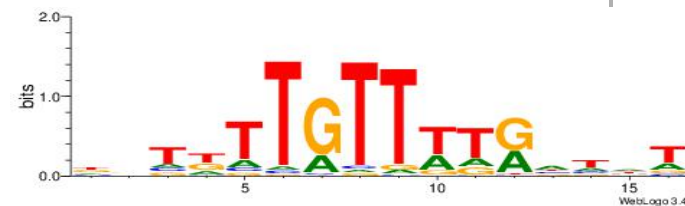
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



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: Forward
Position number: 3
Number of overlap: 14
Similarity score: 0.0430608

Alignment:

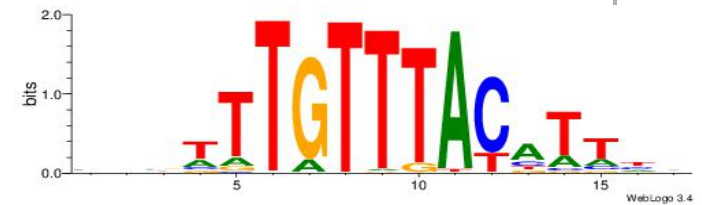
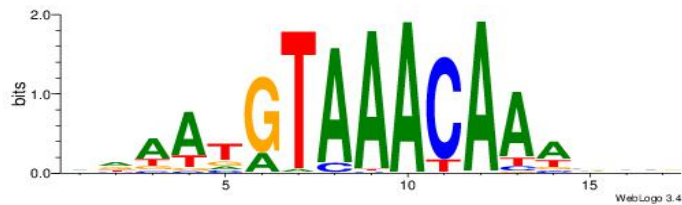
BBVTTTGTTTACATTDD
--ATTTTTTTTTTTTTT-

Original motif

Consensus sequence: DDAATGTAAACAAVVB

Reverse complement motif

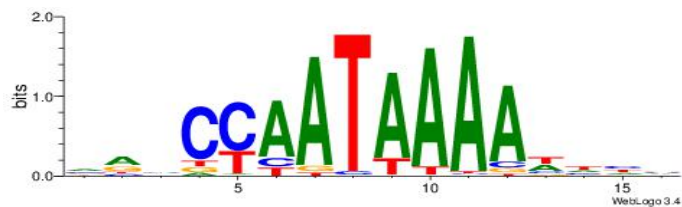
Consensus sequence: BBVTTTGTTTACATTDD



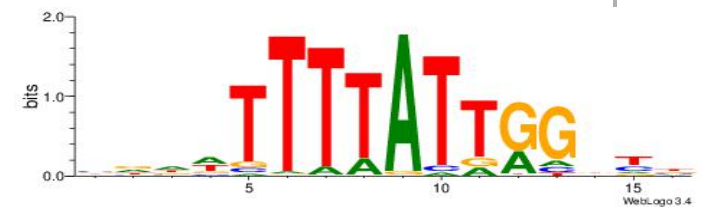
Motif ID: [UP00134](#)
 Motif name: Hoxb13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0435537

Alignment:
 VDHWTTTTATTGGDKB
 --ATTTTTTTTTTTTT

Original motif
 Consensus sequence: VRHCCAATAAAAWHHV



Reverse complement motif
 Consensus sequence: VDHWTTTTATTGGDKB



Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary

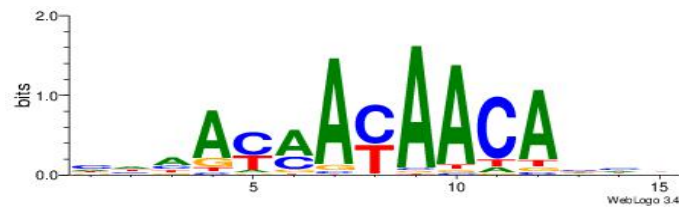
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.043907

Alignment:

```
HDDTGTTKTTKTHHD
ATTTTTTTTTTTTTT-
```

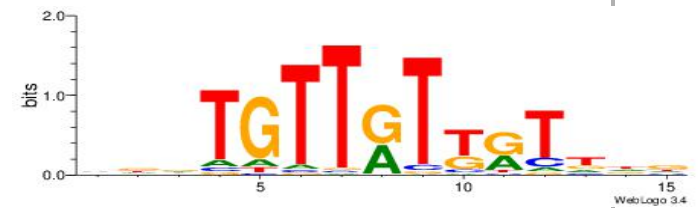
Original motif

Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



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:	3
Number of overlap:	14
Similarity score:	0.045165

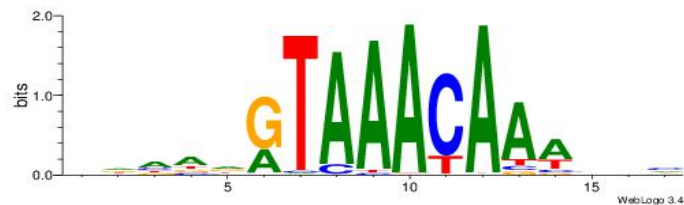
Alignment:

HDHADGTAAACAAAVVH

-AAAAAAAAAAAAAT--

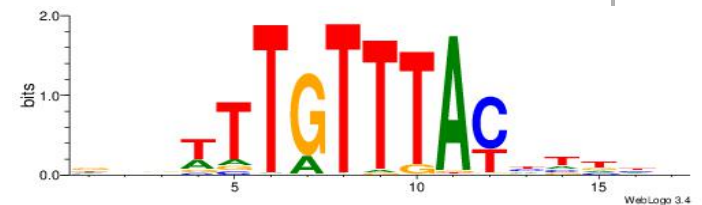
Original motif

Consensus sequence: HDHADGTAAACAAAVVH



Reverse complement motif

Consensus sequence: DVVTTTGTTTACDTHDH



Dataset #: 2

Motif ID: 50

Motif name: Motif 50

Original motif

Consensus sequence: GGAAM



Reverse complement motif

Consensus sequence: YTTCC



Best Matches for Motif ID 50 (Highest to Lowest)

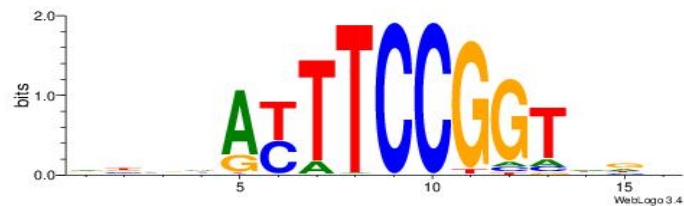
Motif ID:	UP00424
Motif name:	Gm4881
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif

Direction: Forward
Position number: 6
Number of overlap: 5
Similarity score: 0

Alignment:
VBBHAYTTCCGGTDDD
-----YTTCC-----

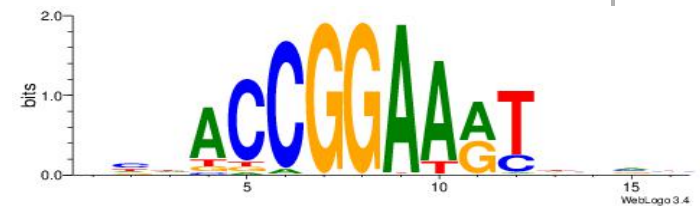
Original motif

Consensus sequence: VBBHAYTTCCGGTDDD



Reverse complement motif

Consensus sequence: DHDACCGGAAMTHBVB



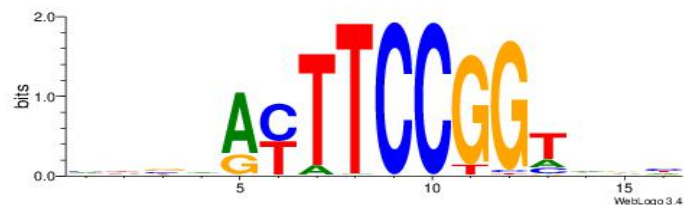
Motif ID: [UP00416](#)
Motif name: Fli1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 5
Similarity score: 0.00163794

Alignment:

VBBVAYTTCCGGTDDH
-----YTTCC-----

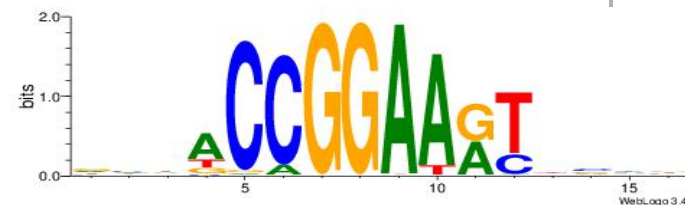
Original motif

Consensus sequence: VBBVAYTTCCGGTDDH



Reverse complement motif

Consensus sequence: DHDACCGGAAKTBBVV



Motif ID:	UP00422
Motif name:	Etv3
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:	5
Similarity score:	0.00234412

Alignment:

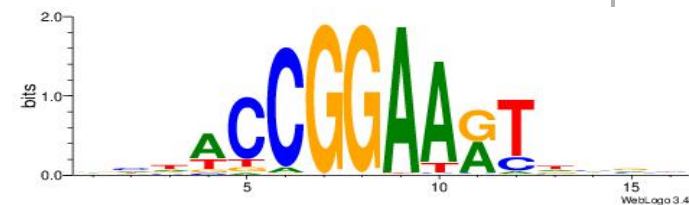
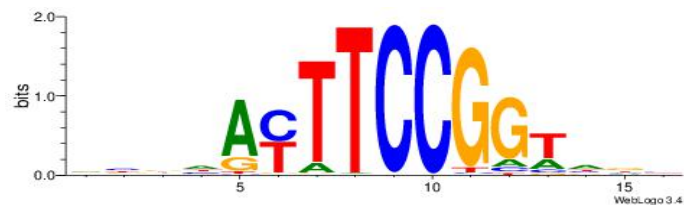
VBBHAYTTCCGGTHDH
-----YTTCC-----

Original motif

Consensus sequence: VBBHAYTTCCGGTHDH

Reverse complement motif

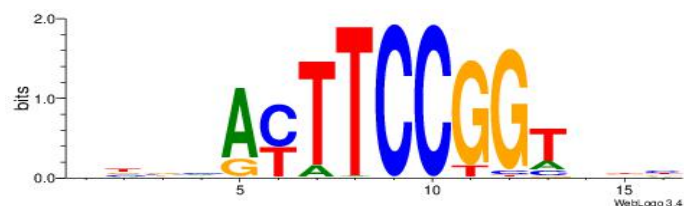
Consensus sequence: DHHACCGGAAKTHBBB



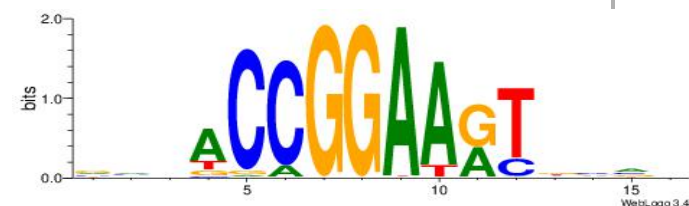
Motif ID: [UP00411](#)
 Motif name: Erg
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 5
 Similarity score: 0.00589761

Alignment:
 VBBVAYTTCCGGTDDDB
 -----YTTCC-----

Original motif
 Consensus sequence: VBBVAYTTCCGGTDDDB



Reverse complement motif
 Consensus sequence: BDDACCGGAAKTVBVB



Motif ID: [UP00418](#)

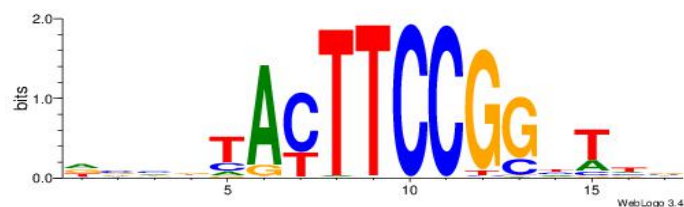
Motif name: Etv6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 5
 Similarity score: 0.00691345

Alignment:

DVHBTACTTCCGGHTHB
 -----YTTCC-----

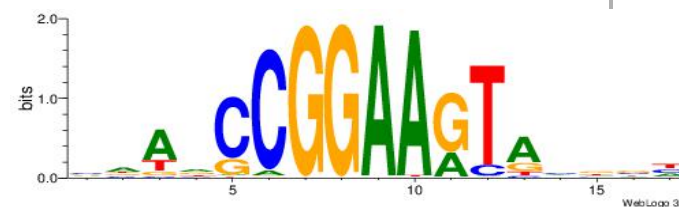
Original motif

Consensus sequence: DVHBTACTTCCGGHTHB



Reverse complement motif

Consensus sequence: BHAHCCGGAAGTABDVD



Motif ID: [UP00415](#)
 Motif name: Elk4
 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: 5

Similarity score: 0.00722176

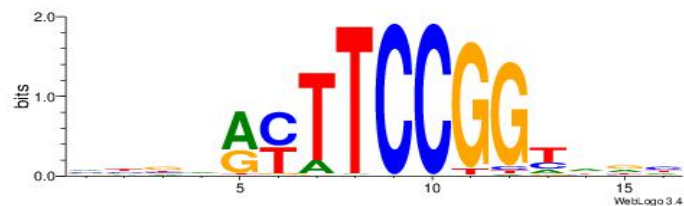
Alignment:

VBBHRYTTCCGGTDDH

-----YTTCC-----

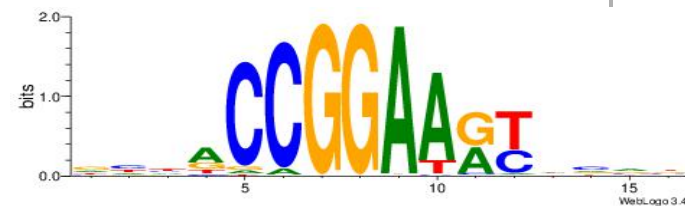
Original motif

Consensus sequence: VBBHRYTTCCGGTDDH



Reverse complement motif

Consensus sequence: DHDACCGGAAKKHBVB



Motif ID: [UP00413](#)

Motif name: Elf4

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: 5

Similarity score: 0.0153114

Alignment:

DBBHACTTCCGGKWTH

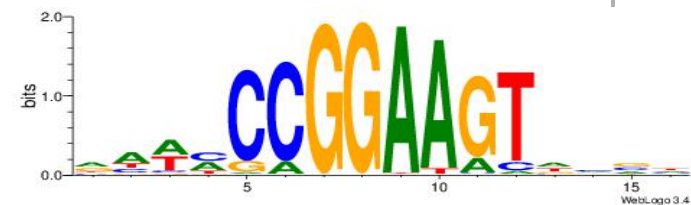
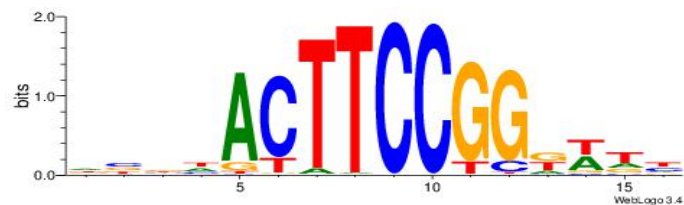
-----YTTCC-----

Original motif

Consensus sequence: DBBHACTTCCGGKWTH

Reverse complement motif

Consensus sequence: HAWYCCGGAAGTHBBD



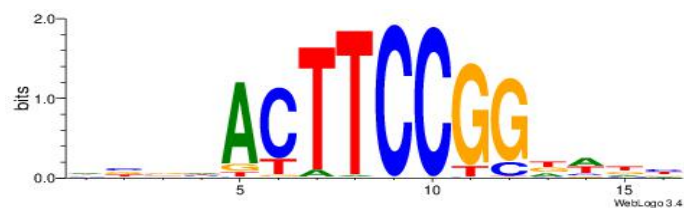
Motif ID: [UP00404](#)
 Motif name: Elf2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 5
 Similarity score: 0.0153458

Alignment:

DBBHACTTCCGGDWDB
 -----YTTCC-----

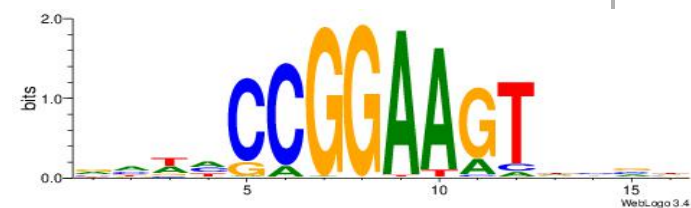
Original motif

Consensus sequence: DBBHACTTCCGGDWDB



Reverse complement motif

Consensus sequence: BDWDCCGGAAGTHBBD



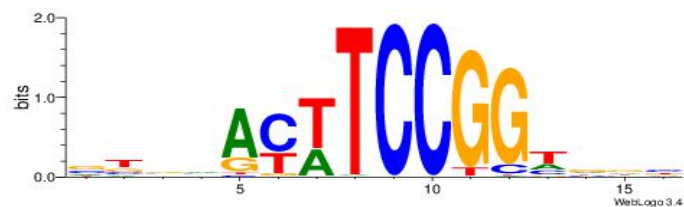
Motif ID: [UP00417](#)
 Motif name: Etv4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 5
 Similarity score: 0.0219684

Alignment:

VBBHAYWTCCGGTDDDB
 -----YTTCC-----

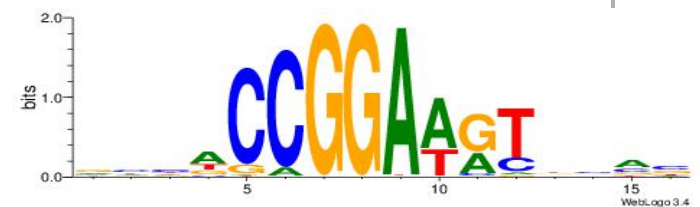
Original motif

Consensus sequence: VBBHAYWTCCGGTDDDB



Reverse complement motif

Consensus sequence: BHHACCGGAWKTHBVV



Motif ID: [UP00419](#)
 Motif name: Spic
 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: 5
Similarity score: 0.0224017

Alignment:
DWA~~CTT~~CCRC~~TTT~~B
---Y~~TT~~CC-----

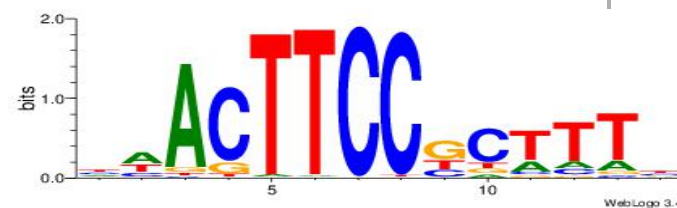
Original motif

Consensus sequence: VAAAGMGGAAAGTWD



Reverse complement motif

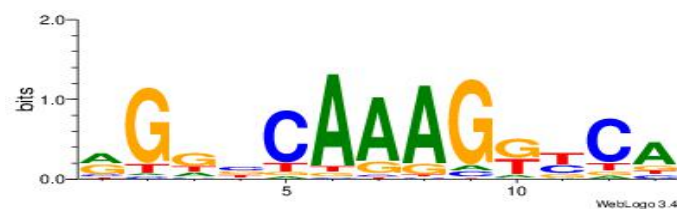
Consensus sequence: DWACTTCCRCTTTB



Dataset #: 3 Motif ID: 51 Motif name: HNF4A

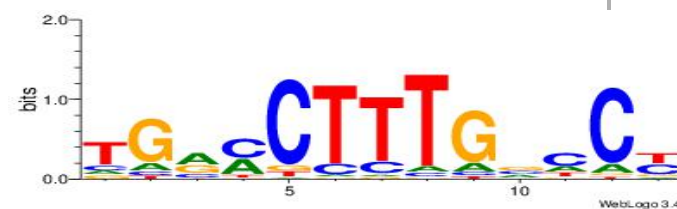
Original motif

Consensus sequence: RGGBCAAAGKYCA



Reverse complement motif

Consensus sequence: TGMYCTTTGBCK



Best Matches for Motif ID 51 (Highest to Lowest)

Motif ID: [UP00058](#)
Motif name: Tcf3_primary
Species: Mus musculus

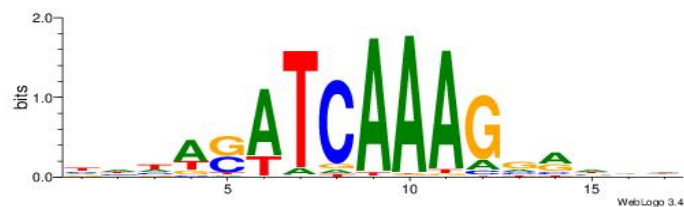
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	13
Similarity score:	0.0357776

Alignment:

```
HHHASATCAAAGVRHHH
---RGGBCAAAGKYCA-
```

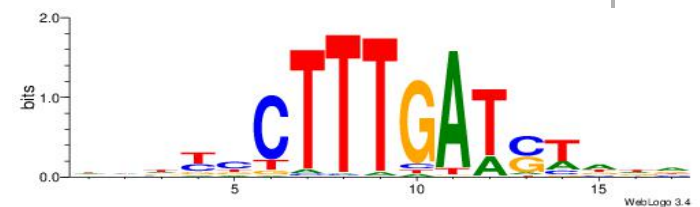
Original motif

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

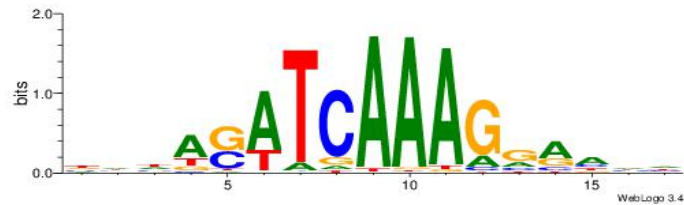
Alignment:

BHHASATCAAAGGAHHH

---RGGBCAAAGKYCA-

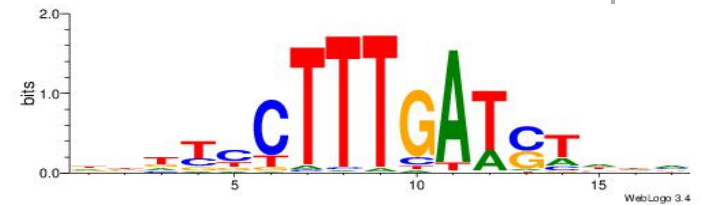
Original motif

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

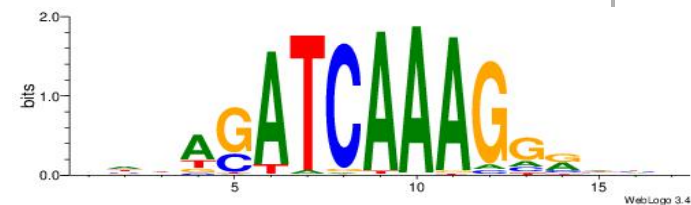
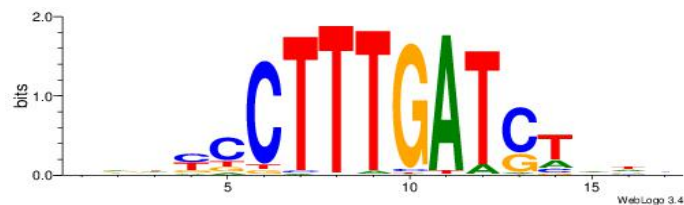
---RGGBCAAAGKYCA-

Original motif

Consensus sequence: DDDYCCTTTGATCTDDV

Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD

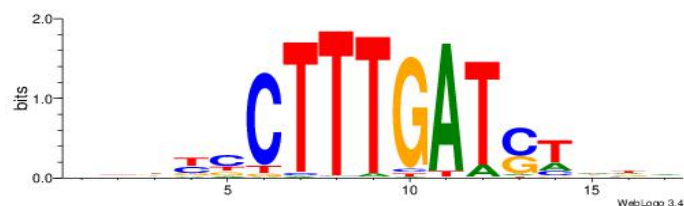


Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0360786

Alignment:
 BDDASATCAAAGGMDDD
 ---RGGBCAAAGKYCA-

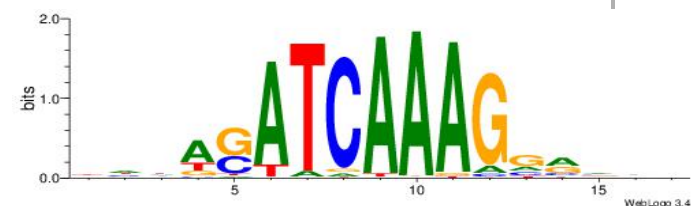
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDDD



Motif ID: [UP00046](#)

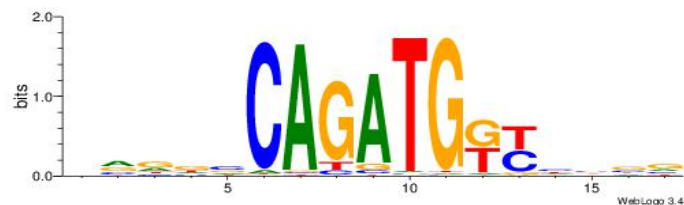
Motif name: Tcfe2a_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 13
 Similarity score: 0.0405764

Alignment:

HVDDVCAGATGKYHBBV
 -RGGBCAAAGKYCA---

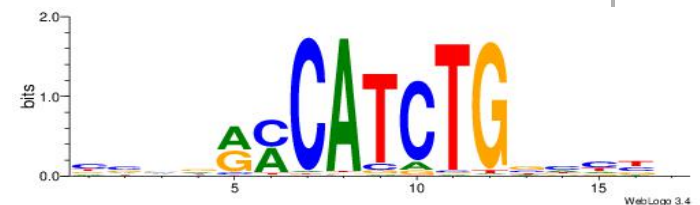
Original motif

Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif

Consensus sequence: VBBDMYCATCTGVHBBH



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

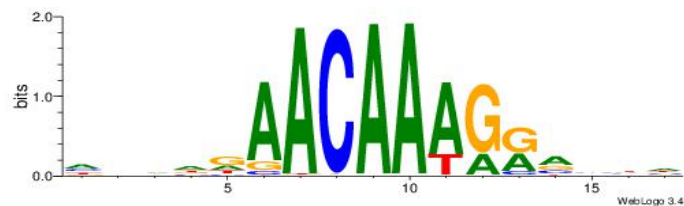
Alignment:

HHBBMCTTTGTTHDDBH

-TGMCTTTGBCK---

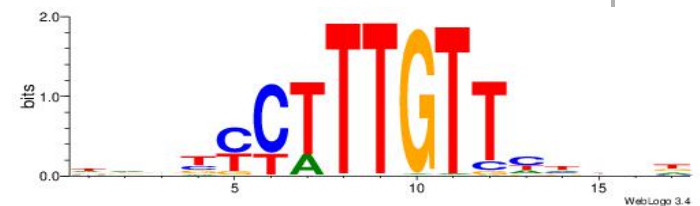
Original motif

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

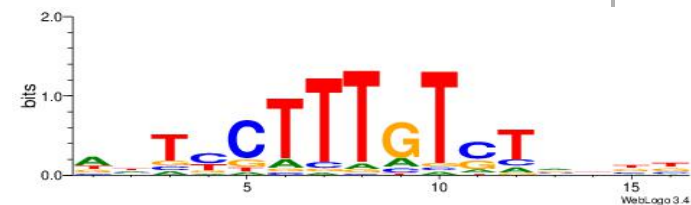
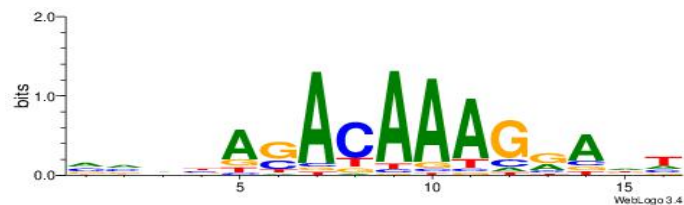
TGMCTTTGBCK---

Original motif

Consensus sequence: VVDBASACAAAGRADH

Reverse complement motif

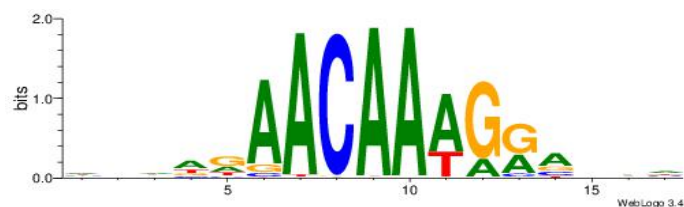
Consensus sequence: HDTMCTTTGTSTVDBB



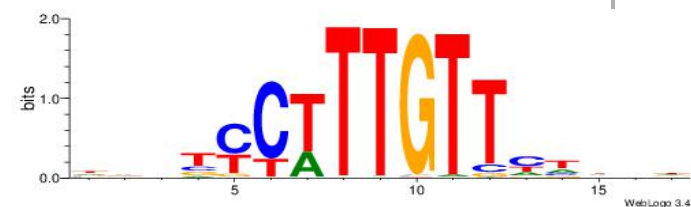
Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0421105

Alignment:
 HHBTMCTTTGTTMDDVH
 -TGMCTTTGBCCK---

Original motif
 Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif
 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-

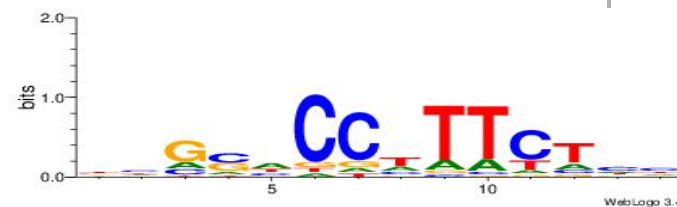
Original motif

Consensus sequence: DDAGAADGGDSCDV



Reverse complement motif

Consensus sequence: BHGSDCCD TTCTHH



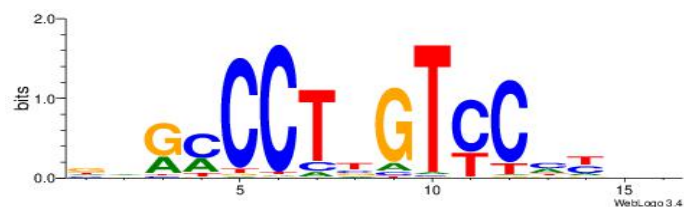
Motif ID: [UP00082](#)
Motif name: Zfp187_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 13
Similarity score: 0.0446884

Alignment:

DDGMCCTBGTCCCHYHV
---RGGBCAAAGKYCA

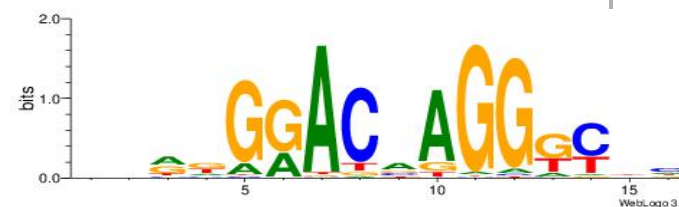
Original motif

Consensus sequence: DDGMCCTBGTCCCHYHV



Reverse complement motif

Consensus sequence: VHMDGGACVAGGRCDH



Dataset #: 3 **Motif ID: 52** **Motif name: NR2F1**

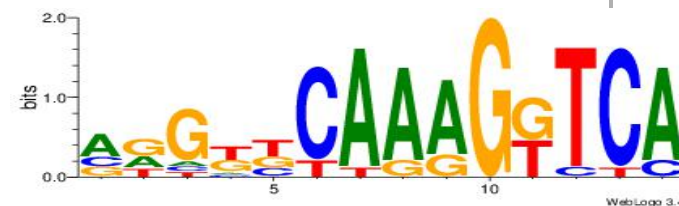
Original motif

Consensus sequence: TGAMCTTTGMMCYT



Reverse complement motif

Consensus sequence: AKGYCAAAGRTCA



Best Matches for Motif ID 52 (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

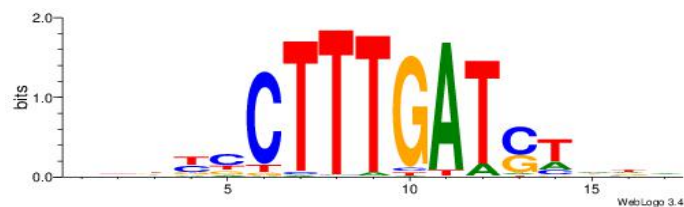
Number of overlap: 14
Similarity score: 0.0452364

Alignment:

DDDYCCTTTGATSTDDV
-TGAMCTTTGMMCYT--

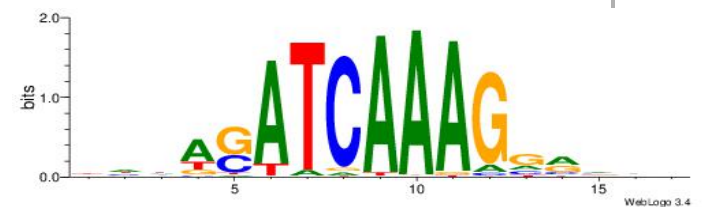
Original motif

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

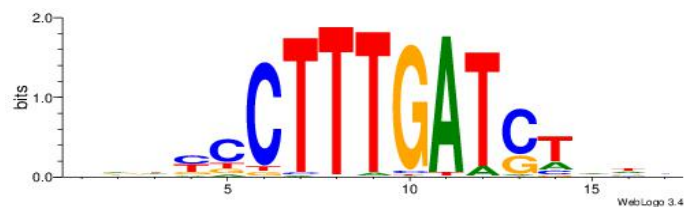
Alignment:

VDDAGATCAAAGKDDD
--AKGYCAAAGRCA-

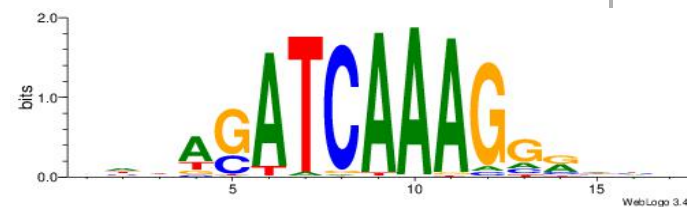
Original motif

Reverse complement motif

Consensus sequence: DDDYCCTTTGATCTDDV



Consensus sequence: VDDAGATCAAAGGKDDD



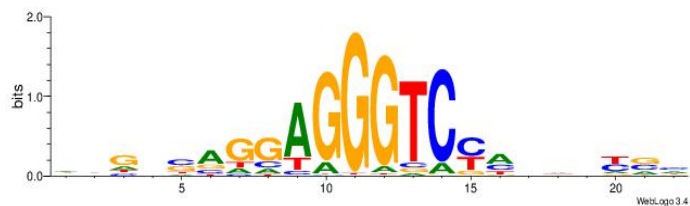
Motif ID: [UP00539](#)
Motif name: Gli2_v015681_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 8
Number of overlap: 14
Similarity score: 0.0461358

Alignment:

```
DVMHHDHKGACCCTCCTSVCBH  
-----TGAMCTTTGMMCYT-
```

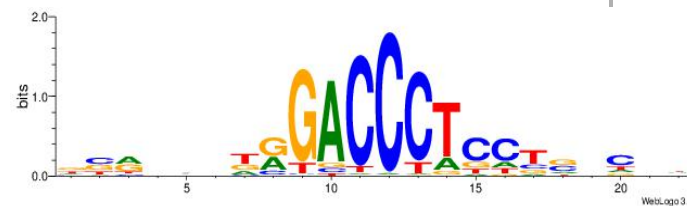
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



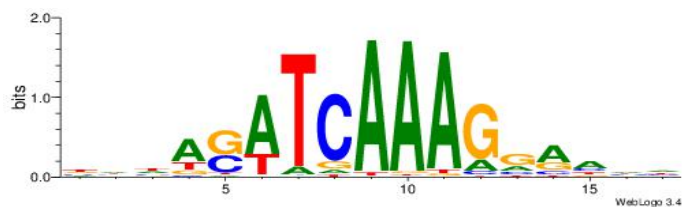
Motif ID: [UP00054](#)
 Motif name: Tcf7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0461768

Alignment:

BHHASATCAAAGGAHHH
 --AKGY YCAAAGRTCA--

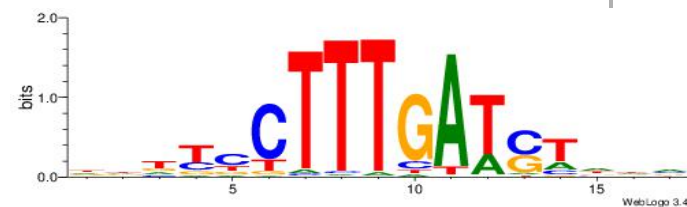
Original motif

Consensus sequence: BHHASATCAAAGGAHHH



Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV



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

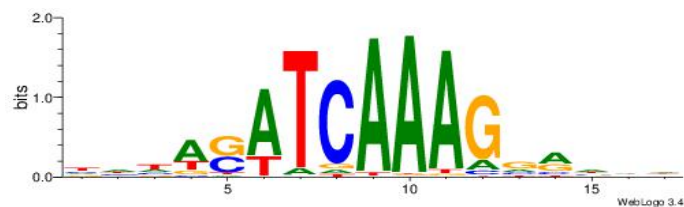
Number of overlap: 14
Similarity score: 0.0473628

Alignment:

HHHASATCAAAGVRHHH
--AKGYCAAAGRTCA--

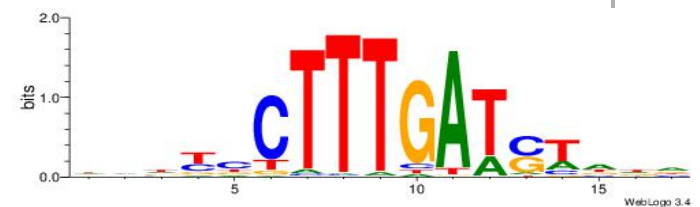
Original motif

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

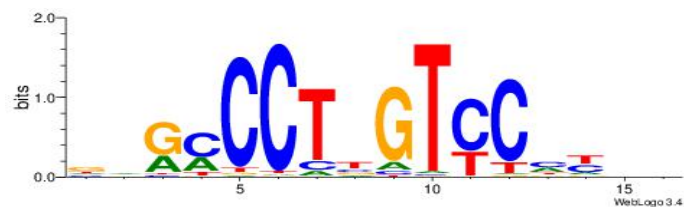
Alignment:

DDGMCCTBGTCCHYHV
TGAMCTTTGMMCYT--

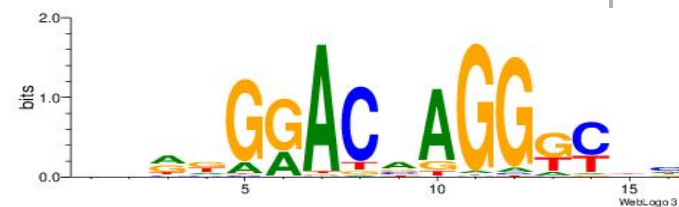
Original motif

Reverse complement motif

Consensus sequence: DDGMCCTBGTCCCHYHV



Consensus sequence: VHMDGGACVAGGRCDH



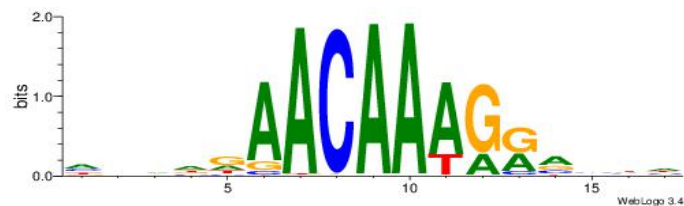
Motif ID: [UP00062](#)
Motif name: Sox4_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 14
Similarity score: 0.0495447

Alignment:

HHBBMCTTTGTTHDDBH
-TGAMCTTTGMMCYT--

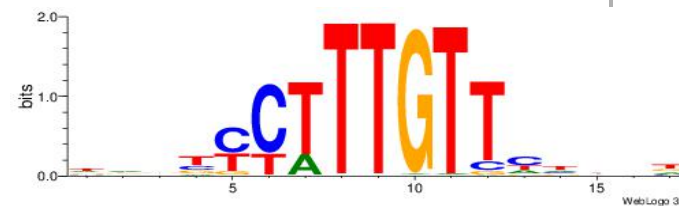
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH



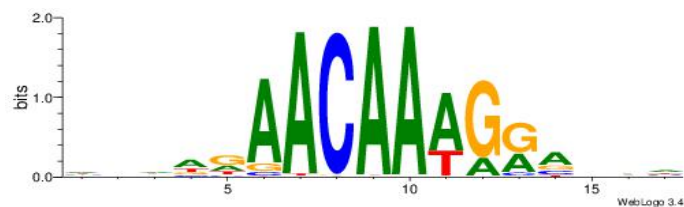
Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0499033

Alignment:

HHBTMCTTTGTTMDDVH
 -TGAMCTTTGMMCYT--

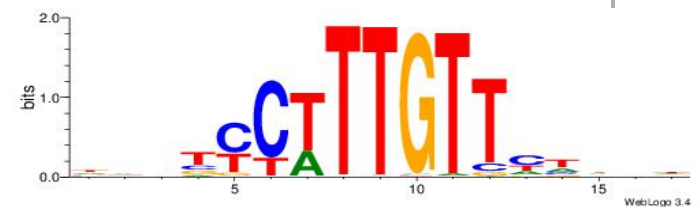
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

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

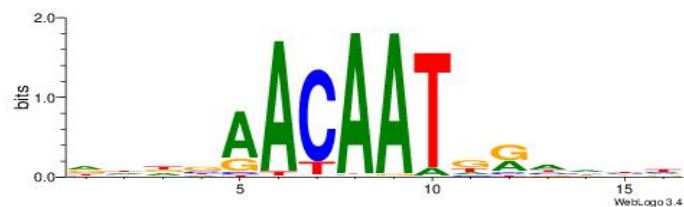
Number of overlap: 14
Similarity score: 0.0511534

Alignment:

DHDBAACAATDRHHHH
--TGAMCTTTGMMCYT

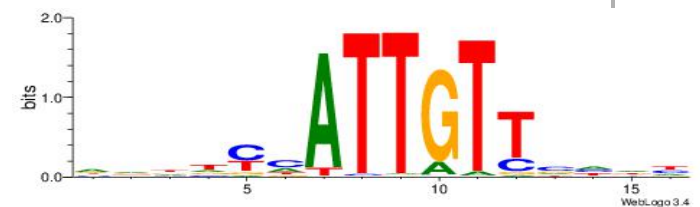
Original motif

Consensus sequence: DHDBAACAATDRHHHH



Reverse complement motif

Consensus sequence: HHHHMHATTGTTBDHD



Motif ID: [UP00005](#)
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

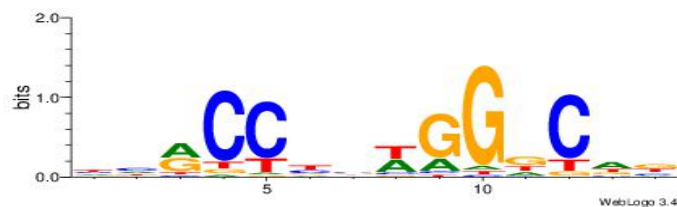
Alignment:

BDGHCCWBVGKDH
AKGY YCAAAGRTCA

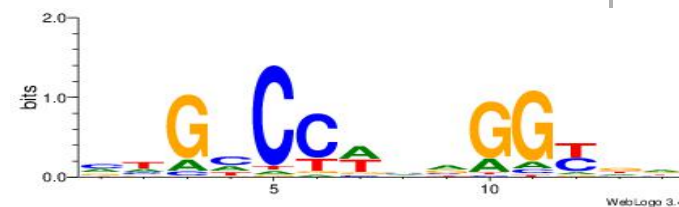
Original motif

Reverse complement motif

Consensus sequence: HHRCCBBWGGDCDB



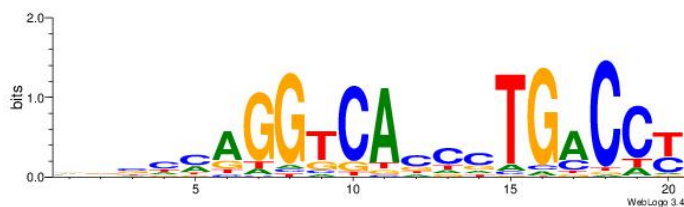
Consensus sequence: BDGHCCWBVGKGDH



Dataset #: 3 **Motif ID: 53** **Motif name: ESR1**

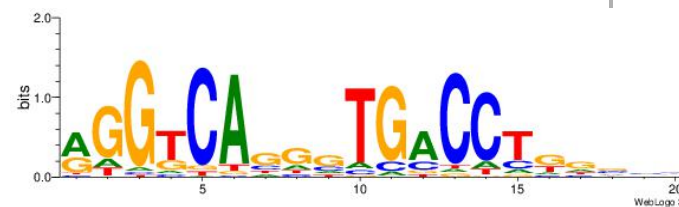
Original motif

Consensus sequence: VDBHMAGGTCACCCTGACCY



Reverse complement motif

Consensus sequence: MGGTCAGGGTGACCTRDBHV



Best Matches for Motif ID 53 (Highest to Lowest)

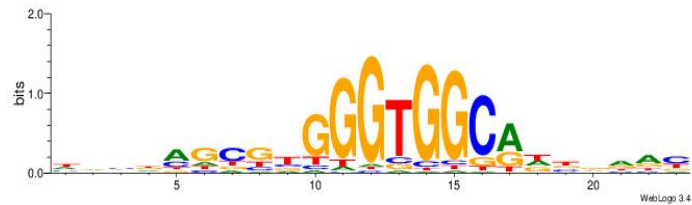
Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	20
Similarity score:	0.0658405

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
VDBHMAGGTCACCCTGACCY---

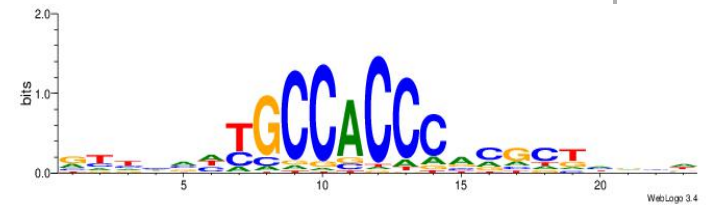
Original motif

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:

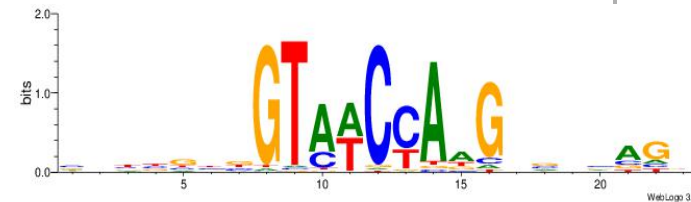
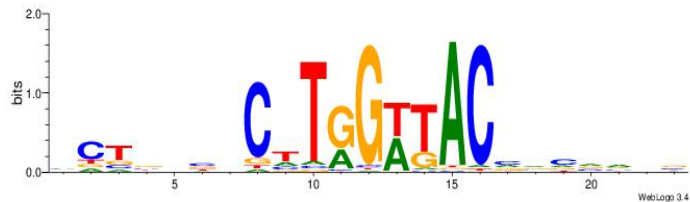
BDBBVBVGTAWCCAAGVBHBAGB
VDBHMAGGTCACCCTGACCY---

Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB

Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB

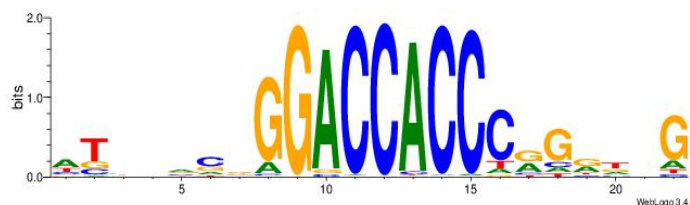


Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 20
 Similarity score: 0.0701247

Alignment:
 CBDMCMGGGTGGTCCHVBVBAH
 MGGTCAGGGTGACCTRDBHV--

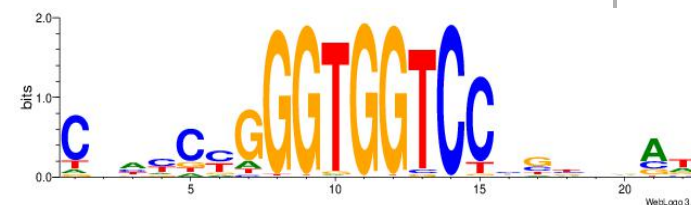
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



Motif ID: [UP00539](#)

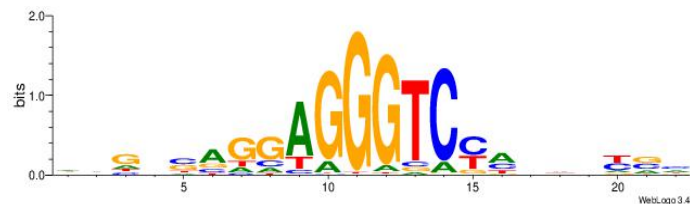
Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 20
 Similarity score: 0.0711267

Alignment:

HVGVSAGGAGGGTCYHHHHYVH
 MGGTCAGGGTGACCTRDBHV--

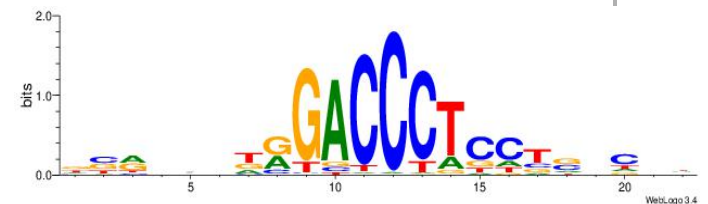
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH

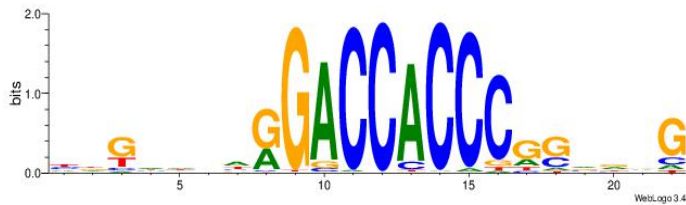


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 20

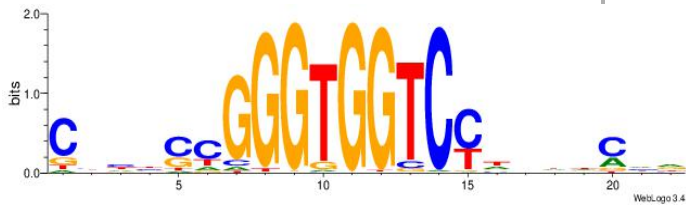
Similarity score: 0.0742427

Alignment:
CVHBSCGGGTGGTCMHVHHCDH
-VDBHMAGGTCACCCTGACCY-

Original motif
Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif
Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH

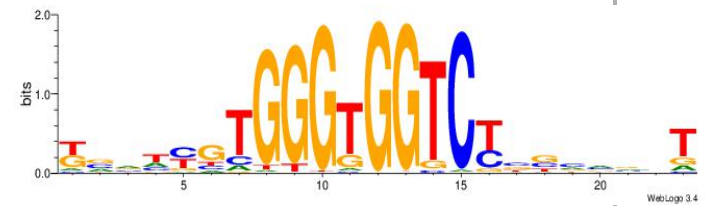


Motif ID: [UP00540](#)
Motif name: Gli3_v015681_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 20
Similarity score: 0.0747053

Alignment:
ABBBBVVRGACCACCCACRDBBM
--VDBHMAGGTCACCCTGACCY-

Original motif
Consensus sequence: ABBBBVVRGACCACCCACRDBBM

Reverse complement motif
Consensus sequence: YBVDMGTTGGGTGGTCKVVBVBBT



Alignment:

```
BHCBCBCCGGGTGGTCYHVHDCH
---VDBHMAAGGTCACCCTGACCY
```

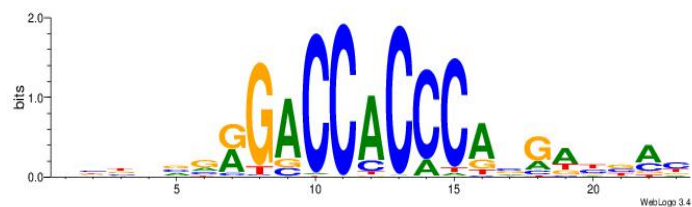
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0759307

Alignment:

BBBDVVRGACCACCCAVGABBAB
 -VDBHMAGGTCACCCTGACCY--

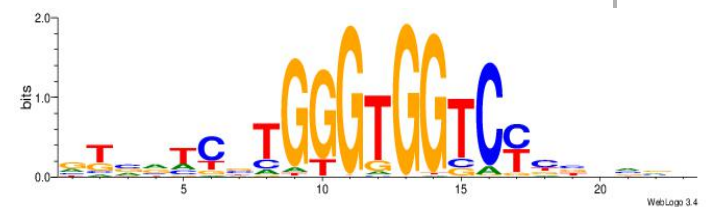
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB

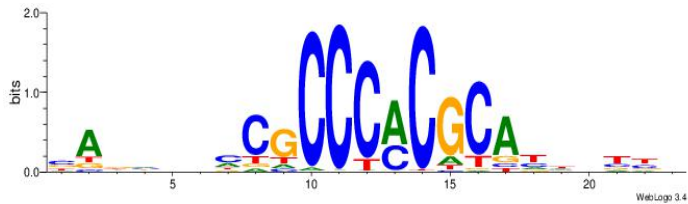


Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3

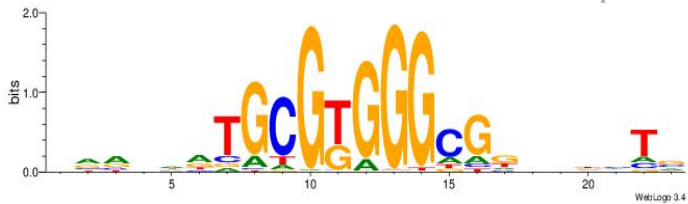
Number of overlap: 20
Similarity score: 0.0762689

Alignment:
VVVDHHTGCGYGGGCGDHVHHTB
-MGGTCAGGGTGACCTRDBHV--

Original motif
Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV



Reverse complement motif
Consensus sequence: VVVDHHTGCGYGGGCGDHVHHTB

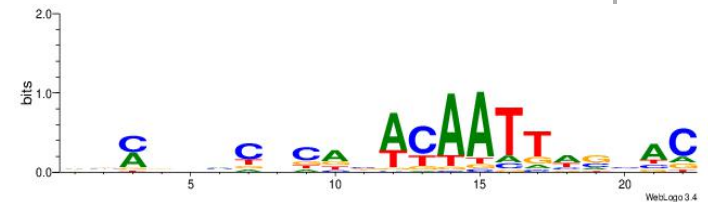
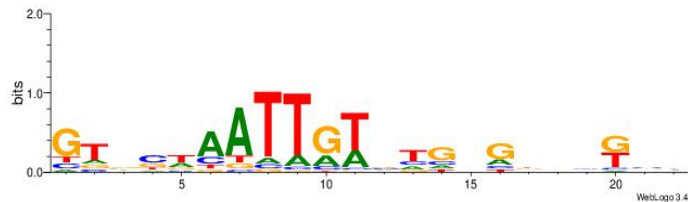


Motif ID: [UP00034](#)
Motif name: Sox7_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 20
Similarity score: 0.0780113

Alignment:
GTVBDAATTGTVTGHGDDHKVB
VDBHMAGGTCACCCTGACCY--

Original motif
Consensus sequence: GTVBDAATTGTVTGHGDDHKVB

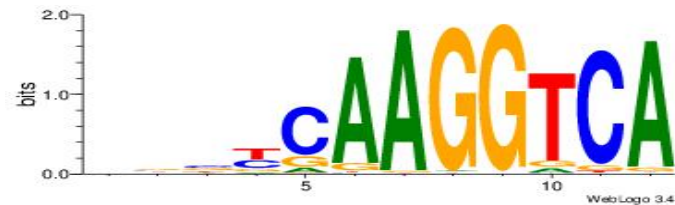
Reverse complement motif
Consensus sequence: VVYDDDCHCAVACAATTDBVAC



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

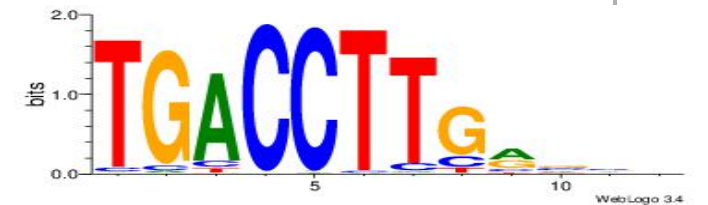
Original motif

Consensus sequence: VBBYCAAGGTCA



Reverse complement motif

Consensus sequence: TGACCTGMBBB



Best Matches for Motif ID 54 (Highest to Lowest)

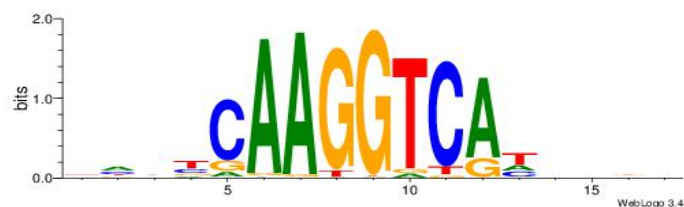
Motif ID:	UP00079
Motif name:	Esrra_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	6
Number of overlap:	12
Similarity score:	0

Alignment:

HHBVHTGACCTTGVDHD
-----TGACCTTGMBBB

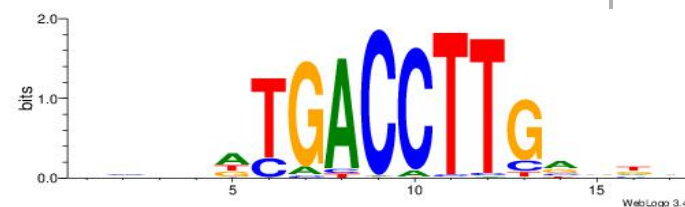
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



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:	12
Similarity score:	0.0205471

Alignment:

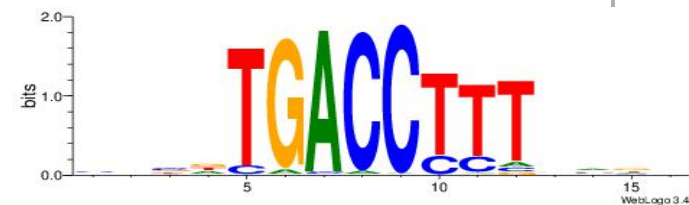
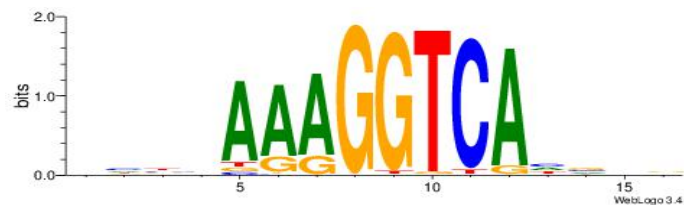
DHBHAAAGGTCAHVHB
VBBYCAAGGTCA----

Original motif

Consensus sequence: DHBHAAAGGTCAHVHB

Reverse complement motif

Consensus sequence: BHVDTGACCTTTDVDD

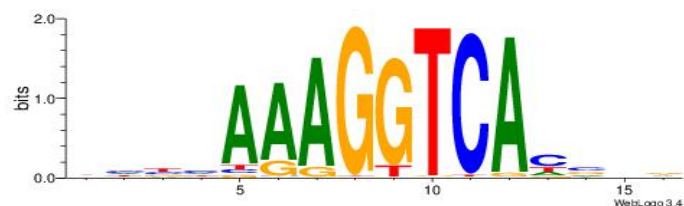


Motif ID: [UP00048](#)
 Motif name: Rara
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0214372

Alignment:
 DHBHAAAGGTCACVHD
 VBBYCAAGGTCA----

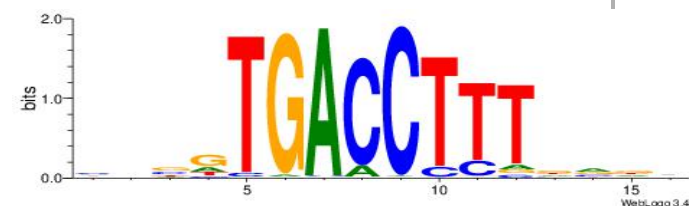
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD



Motif ID: [UP00009](#)

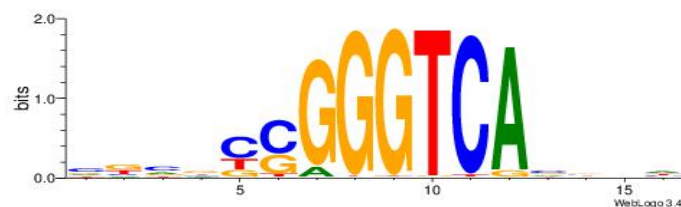
Motif name: Nr2f2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0430759

Alignment:

HVBVTGACCCSGBVBV
 ----TGACCTTGMBBB

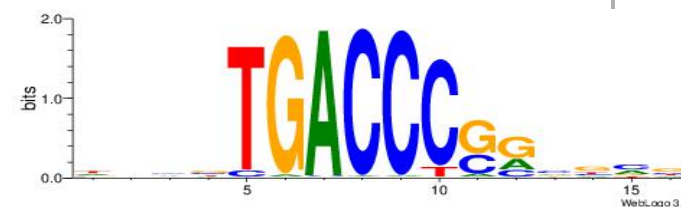
Original motif

Consensus sequence: VBVBCTGGGTCAVBBH



Reverse complement motif

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: 1
 Number of overlap: 12

Similarity score: 0.0451776

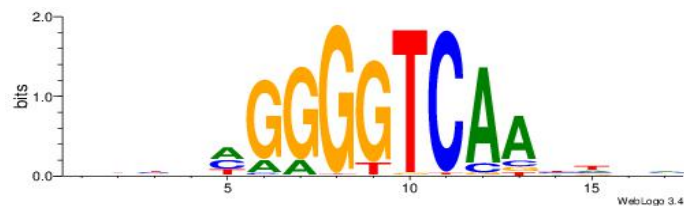
Alignment:

BDBVMGGGGTCAABHDV

VBBYCAAGGTCA-----

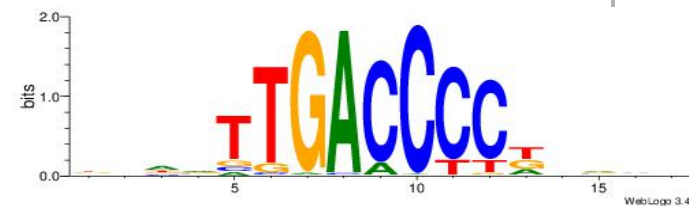
Original motif

Consensus sequence: BDBVMGGGGTCAABHDV



Reverse complement motif

Consensus sequence: BHHVTTGACCCCYVVD



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: 6
Number of overlap: 12
Similarity score: 0.0482496

Alignment:

VKBBAGGGGTCAHDBBH

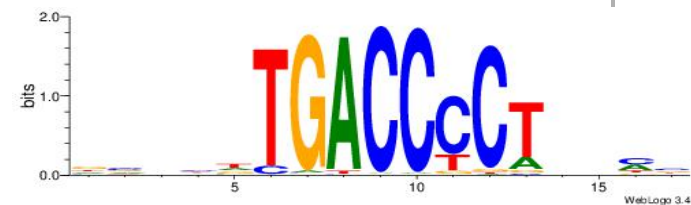
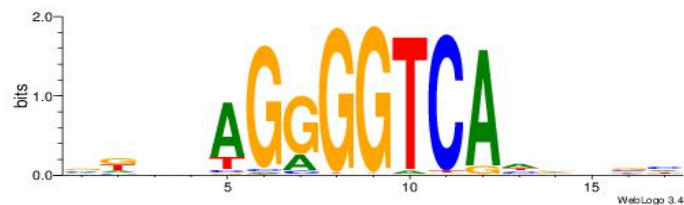
VBBYCAAGGTCA-----

Original motif

Consensus sequence: VKBBAGGGGTCAHDBBH

Reverse complement motif

Consensus sequence: DBBHHTGACCCCTBBYV



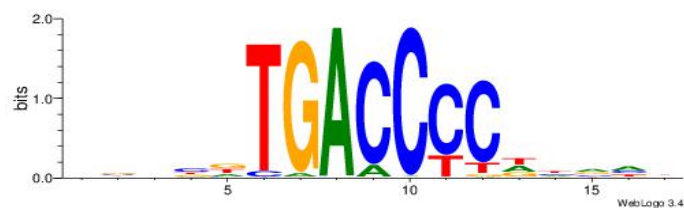
Motif ID: [UP00053](#)
 Motif name: Rxra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0499025

Alignment:

DBHBDTGACCCCDHVHB
 -----TGACCTTGMBBB

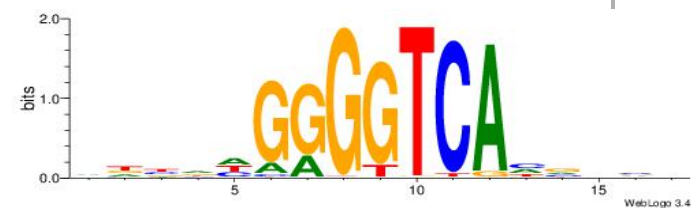
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHBD



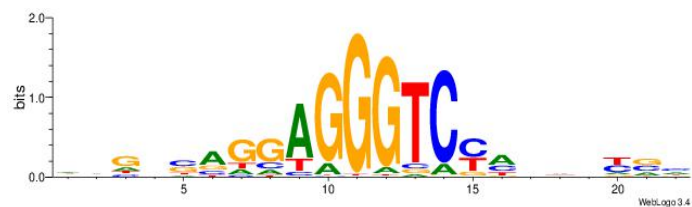
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 12
 Similarity score: 0.0525354

Alignment:

DVMHHDHKGACCCTCCTSVCBH
 -----TGACCTTGMBBB----

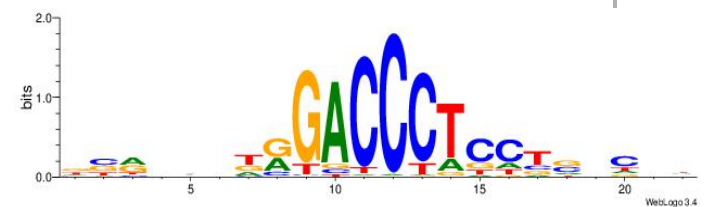
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



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: 1
 Number of overlap: 12

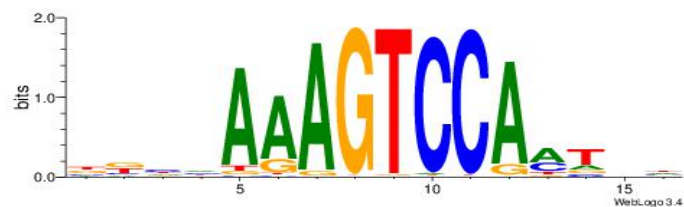
Similarity score: 0.0580553

Alignment:

HHAYTGGACTTTHDBV
----TGACCTTGMBBB

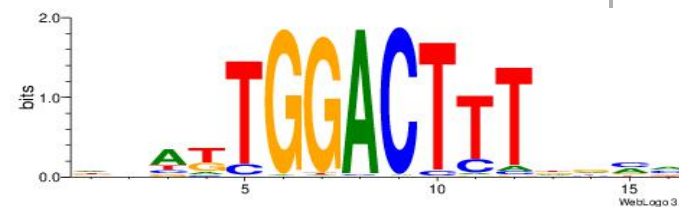
Original motif

Consensus sequence: BBHHAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTHDBV



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: Forward

Position number: 9

Number of overlap: 12

Similarity score: 0.0609738

Alignment:

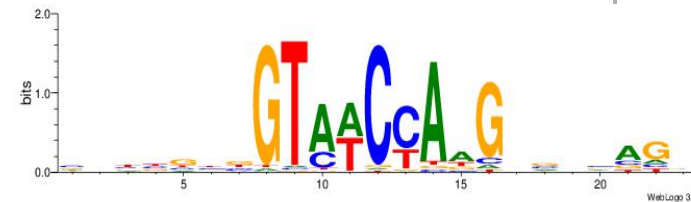
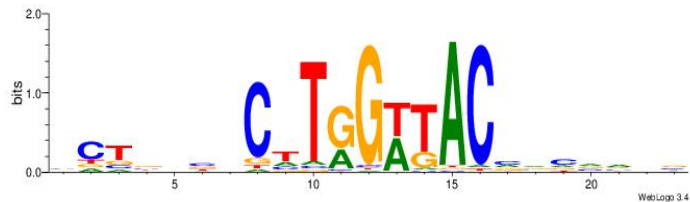
BDBBVBVGTAWCCAAGVBHBAGB
-----TGACCTTGMBBB---

Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB

Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



Dataset #: 3 **Motif ID: 55** **Motif name: ZEB1**

Original motif

Consensus sequence: CACCTD



Reverse complement motif

Consensus sequence: HAGGTG



Best Matches for Motif ID 55 (Highest to Lowest)

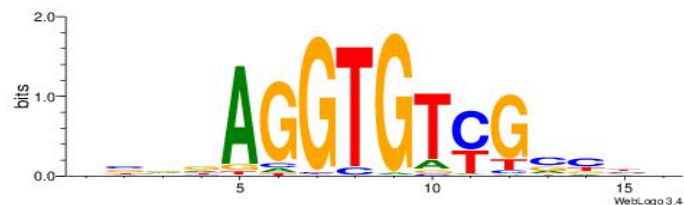
Motif ID:	UP00068
Motif name:	Eomes_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	6
Similarity score:	0

Alignment:

VVBVCKACACCTHVBV
 -----CACCTD----

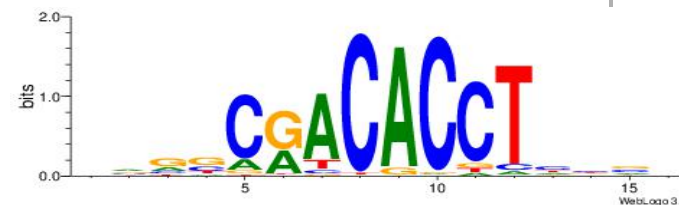
Original motif

Consensus sequence: VBVDAGGTGTYGVBBV



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:

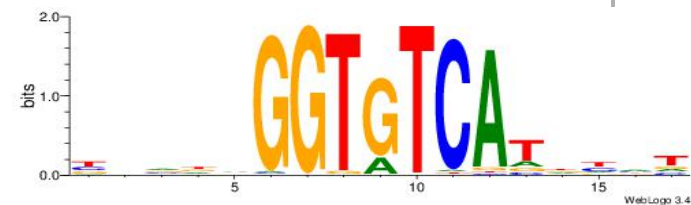
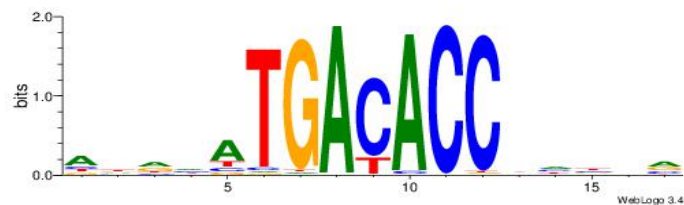
BBVHVGGTGTGCATHDDT
 ---HAGGTG-----

Original motif

Consensus sequence: ADDHATGACACCBHBBV

Reverse complement motif

Consensus sequence: BBVHVGGTGTGCATHDDT

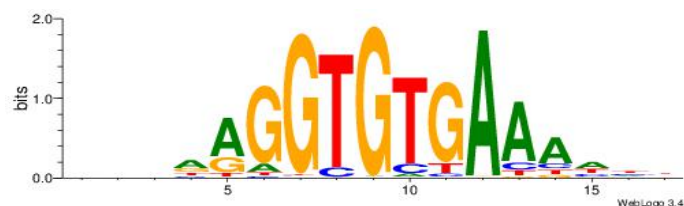


Motif ID: [UP00068](#)
 Motif name: Eomes_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 6
 Similarity score: 0.00524081

Alignment:
 HHHTTTCACACCTDHBV
 -----CACCTD---

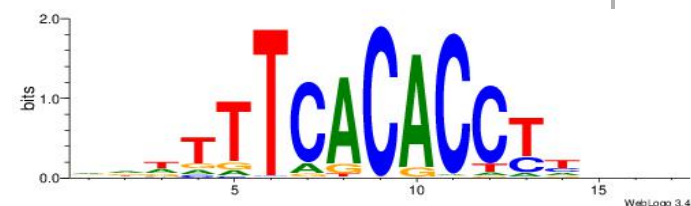
Original motif

Consensus sequence: BVHDAGGTGTGAAHHH



Reverse complement motif

Consensus sequence: HHHTTTCACACCTDHBV



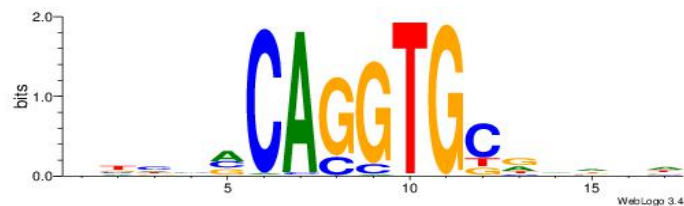
Motif ID: [UP00046](#)

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-----

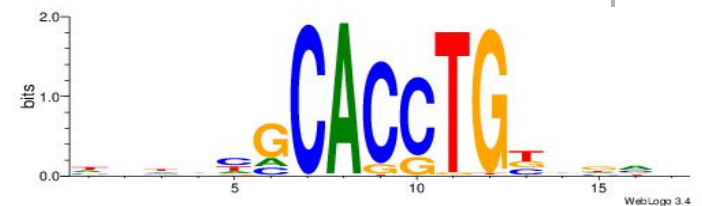
Original motif

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

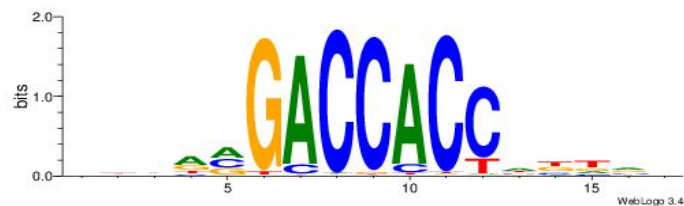
Alignment:

BDDRVGACCACCHBDVB

-----CACCTD----

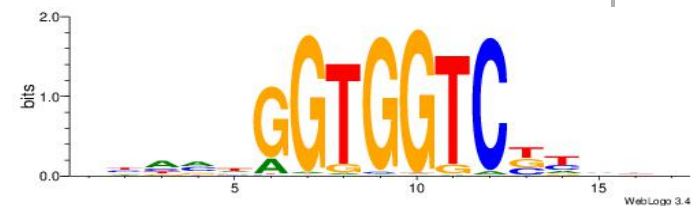
Original motif

Consensus sequence: BDDRVGACCACCHBDVB



Reverse complement motif

Consensus sequence: BBDVHGGTGGTCBKDDb



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

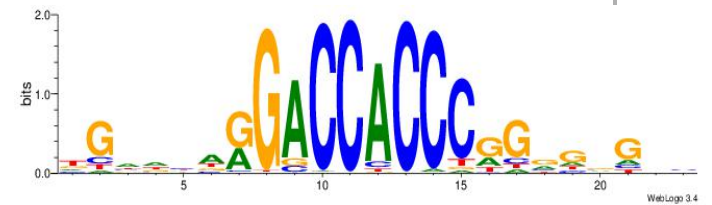
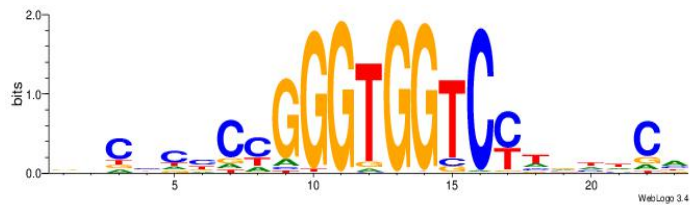
-----HAGGTG-----

Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH

Reverse complement motif

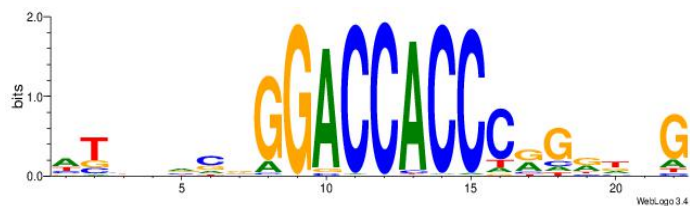
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



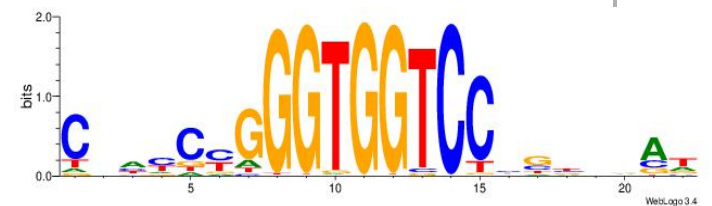
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0254338

Alignment:
 HTBVVVDGGACCACCCRGRDBG
 -----CACCTD-----

Original motif
 Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif
 Consensus sequence: CBDMCMGGGTGGTCCCHVBVBAH



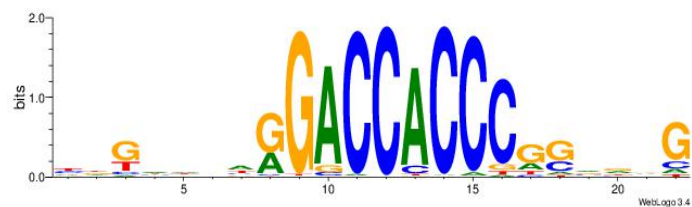
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0290143

Alignment:

HDGHHBHRGACCACCCGSVDVG
 -----CACCTD-----

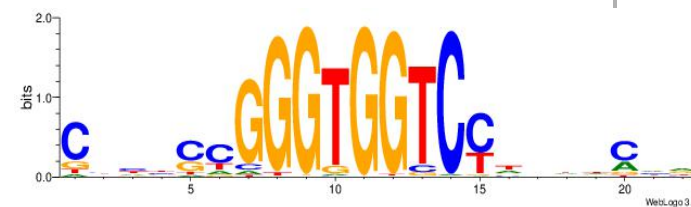
Original motif

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

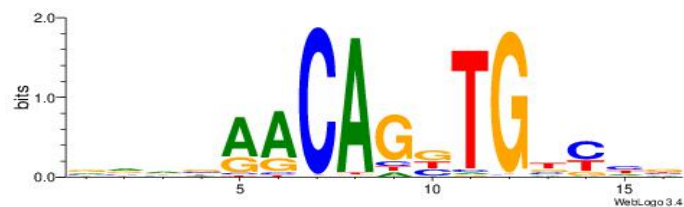
Number of overlap: 6
Similarity score: 0.0309673

Alignment:

VVDBAACAGBTGBYHB
-----HAGGTG-----

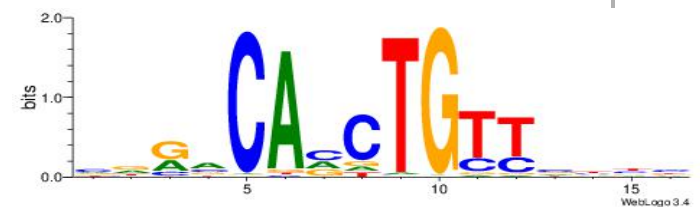
Original motif

Consensus sequence: VVDBAACAGBTGBYHB



Reverse complement motif

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

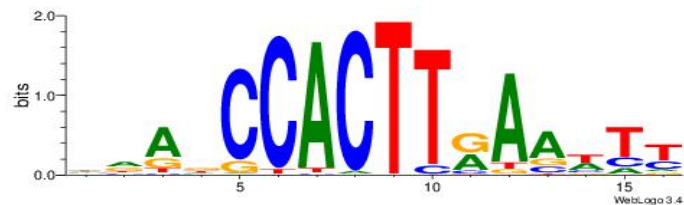
Alignment:

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

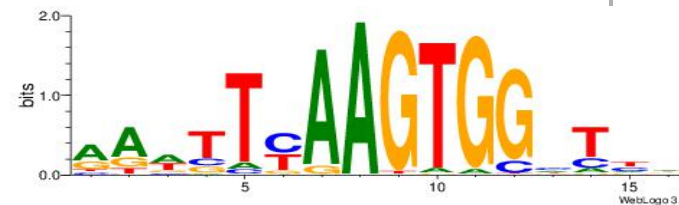
Original motif

Reverse complement motif

Consensus sequence: HDADCCACTTTRAAWTT



Consensus sequence: AAWTTMAAGTGGHTDH



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

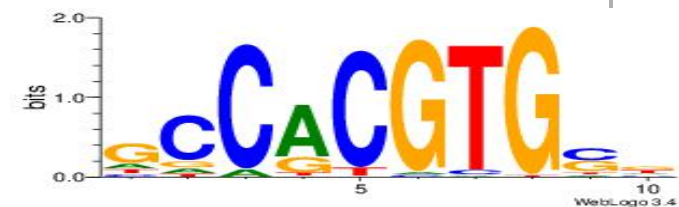
Original motif

Consensus sequence: HSCACGTGGC



Reverse complement motif

Consensus sequence: GCCACGTGSD



Best Matches for Motif ID 56 (Highest to Lowest)

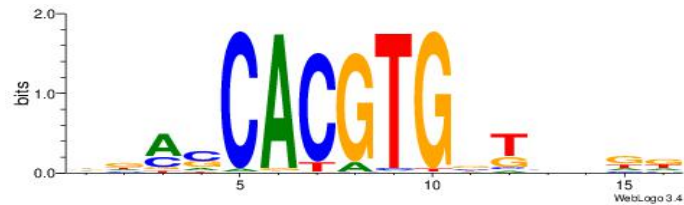
Motif ID:	UP00060
Motif name:	Max_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	10
Similarity score:	0

Alignment:

DDASCACGTGBTBVDD
--HSCACGTGGC----

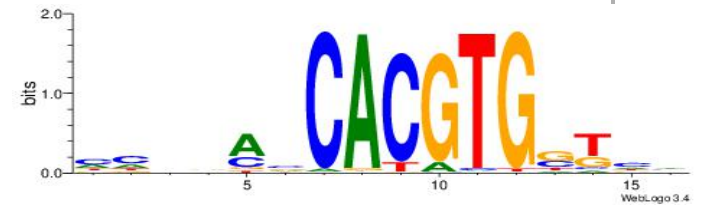
Original motif

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:

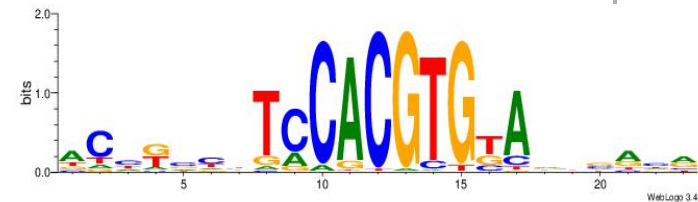
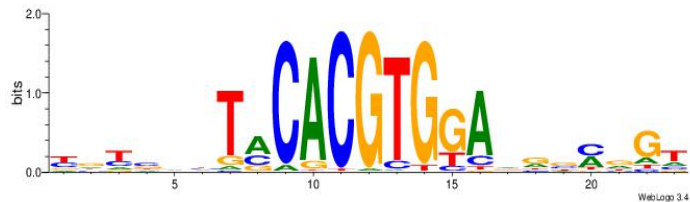
ACHRBHDTCCACGTGYAHBMMH
-----GCCACGTGSD-----

Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT

Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHBMMH

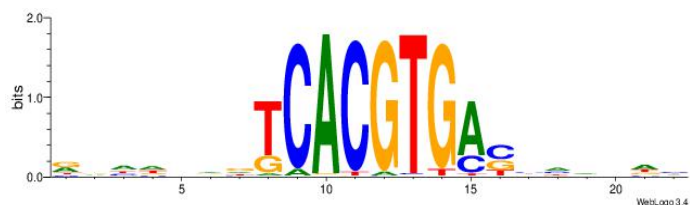


Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0132858

Alignment:
 DDHBHBSTCACGTGAHBBDHBM
 -----GCCACGTGSD-----

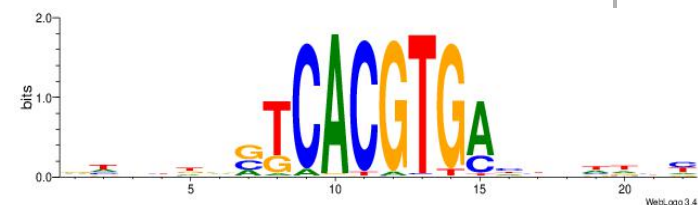
Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDM



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHBM



Motif ID: [UP00046](#)

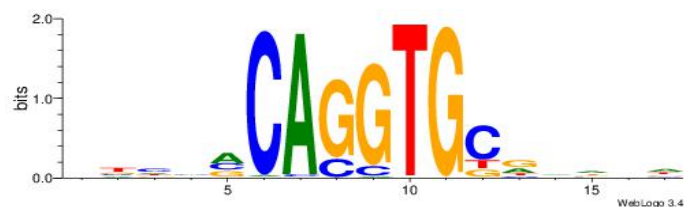
Motif name: Tcfe2a_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0227933

Alignment:

VBHHVCAGGTGCDVDHD
 ---GCCACGTGSD----

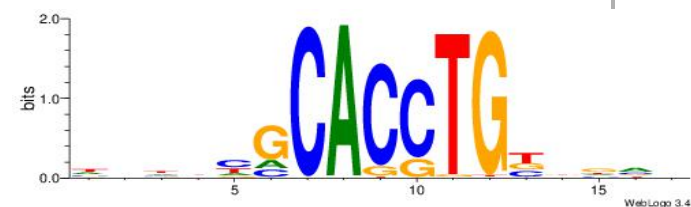
Original motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Reverse complement motif

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

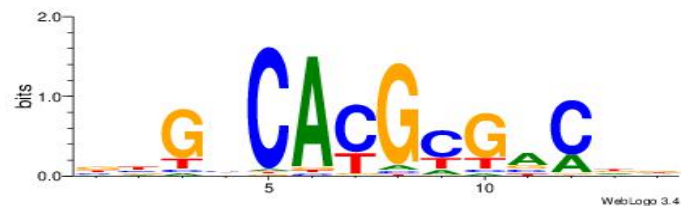
Alignment:

BBGHCACGCGACDD

--HSCACGTGGC--

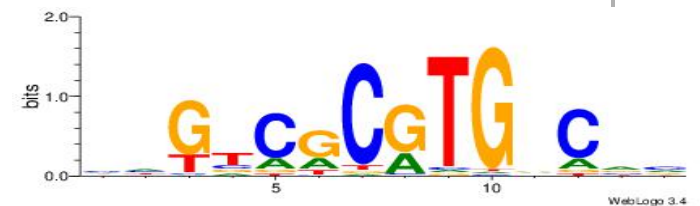
Original motif

Consensus sequence: BBGHCACGCGACDD



Reverse complement motif

Consensus sequence: HDGTGCGGTGDCVB



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

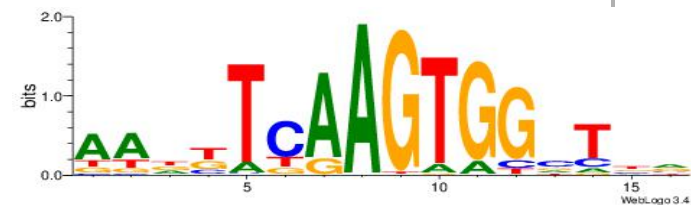
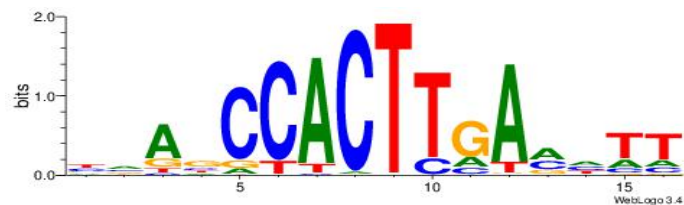
---GCCACGTGSD---

Original motif

Consensus sequence: BVABCCACTTGAMHTT

Reverse complement motif

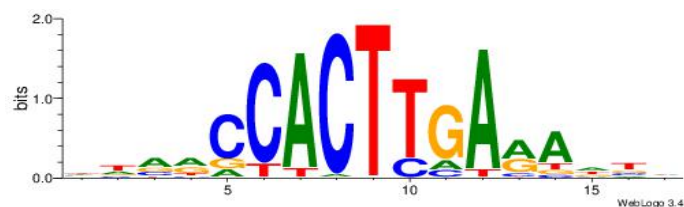
Consensus sequence: AAHYTCAAGTGGBTBV



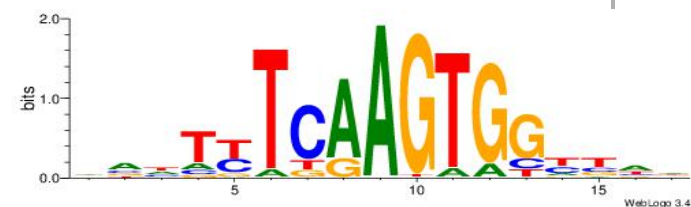
Motif ID: [UP00231](#)
 Motif name: Nkx2-2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.035228

Alignment:
 HDVRCCACTTGARADBD
 ---GCCACGTGSD----

Original motif
 Consensus sequence: HDVRCCACTTGARADBD



Reverse complement motif
 Consensus sequence: DVDTKTCAAGTGGKBDH



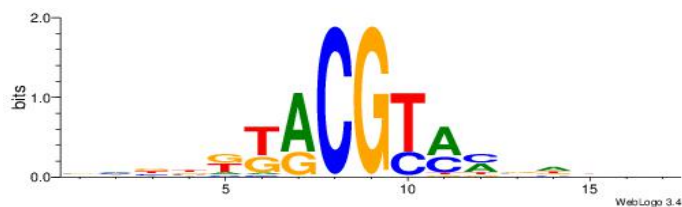
Motif ID: [UP00084](#)
 Motif name: Gmeb1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0358581

Alignment:

BVVDVRYACGTRYVBHB
 ----GCCACGTGSD----

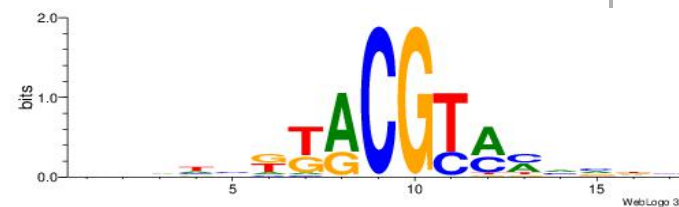
Original motif

Consensus sequence: BHBBKKACGTMMVDBVB



Reverse complement motif

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

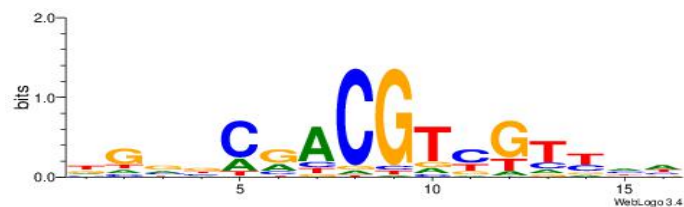
Number of overlap: 10
Similarity score: 0.03725

Alignment:

HHMACKACGTMGBVCD
---HSCACGTGGC---

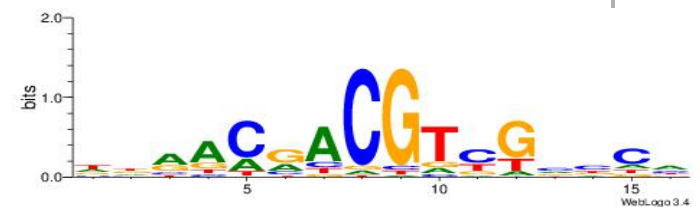
Original motif

Consensus sequence: DGVBCRACGTYGTYHH



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

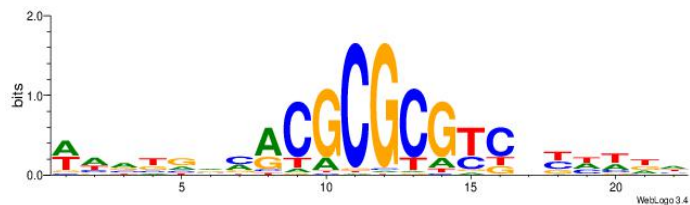
Alignment:

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

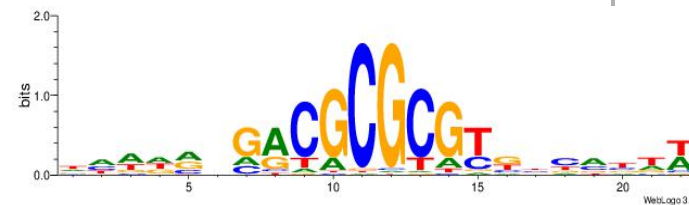
Original motif

Reverse complement motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



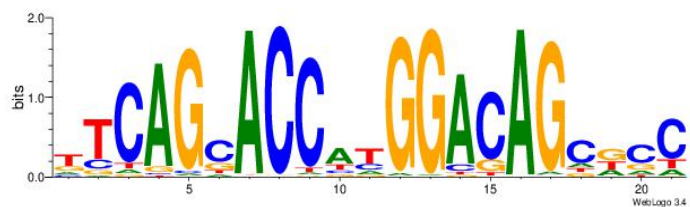
Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



Dataset #: 3 **Motif ID: 57** **Motif name: REST**

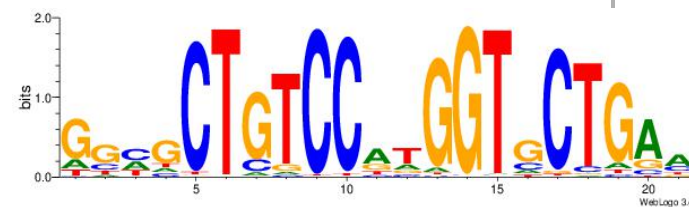
Original motif

Consensus sequence: TTCAGACCATGGACAGCKCC



Reverse complement motif

Consensus sequence: GGYGCTGTCCATGGTGCTGAA



Best Matches for Motif ID 57 (Highest to Lowest)

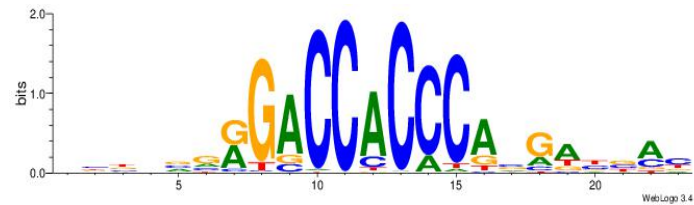
Motif ID:	UP00538
Motif name:	Gli1_v015681_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	21
Similarity score:	0.0699178

Alignment:

BBBDVVRGACCACCCAVGABBAB
--TTCAGCACCATGGACAGCKCC

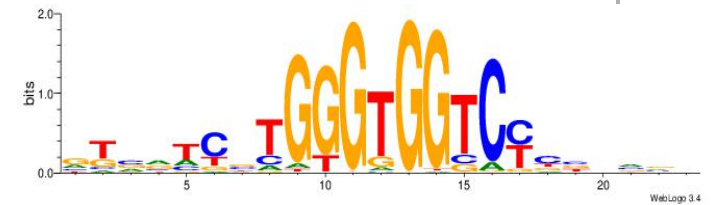
Original motif

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:

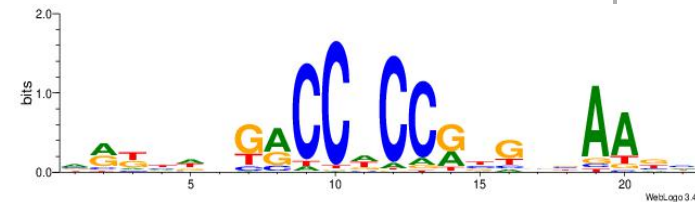
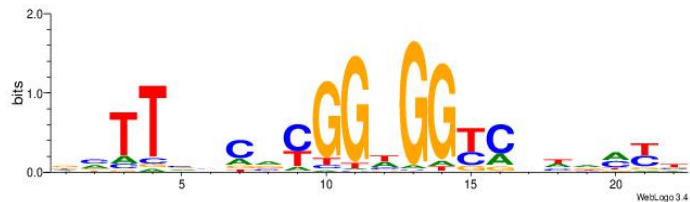
VMYDHDGMCCHCCKBGVVAHVH
GGYGCTGTCCATGGTGCTGAA-

Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB

Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAHVH



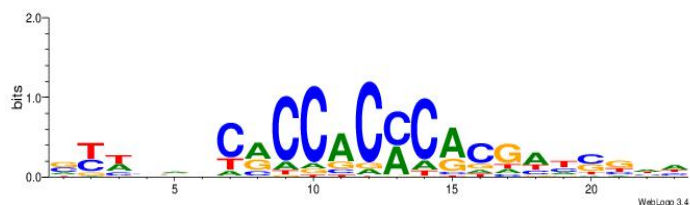
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 21
 Similarity score: 0.0740652

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 -TTCAGCACCATGGACAGCKCC-

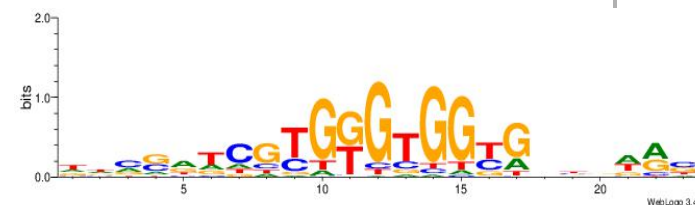
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGBVWMV



Motif ID: [UP00538](#)

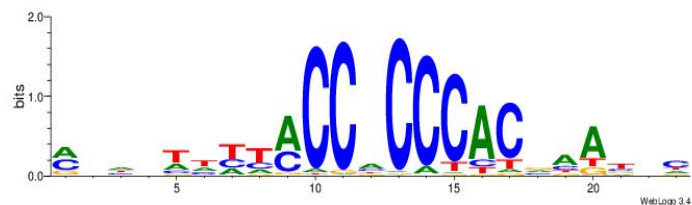
Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 21
 Similarity score: 0.0750152

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 --TTCAGCACCATGGACAGCKCC

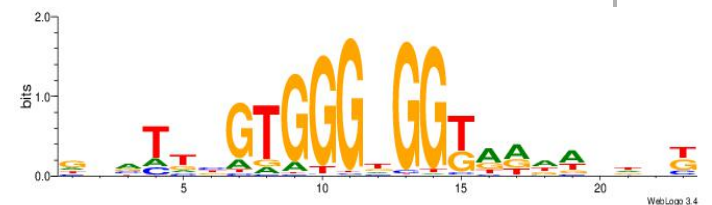
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY

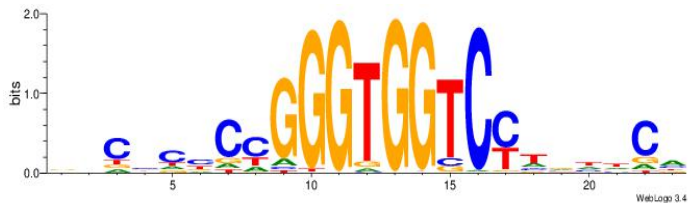


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 21

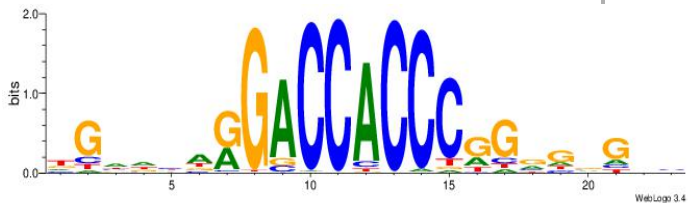
Similarity score: 0.0751449

Alignment:
BHCBCBCCGGGTGGTCYHVHDCH
GGYGCTGTCCATGGTGCTGAA--

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB

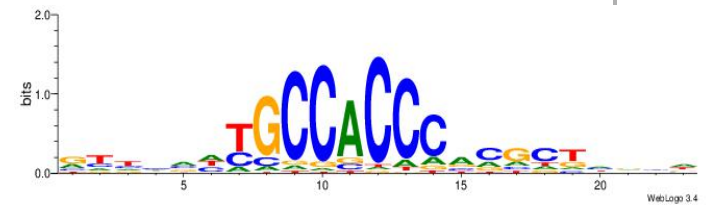
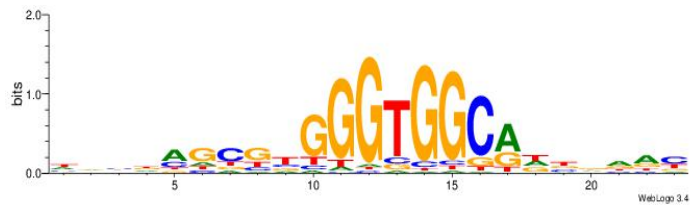


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 21
Similarity score: 0.075832

Alignment:
BDDHVDKGCCACCCVCGCTDBVH
-TTCAGCACCATGGACAGCKCC-

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



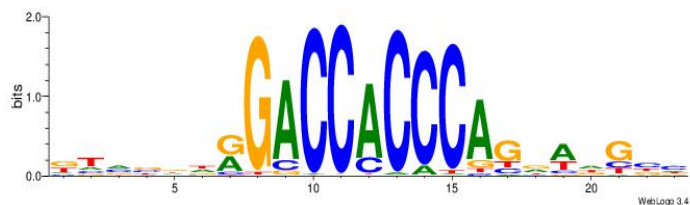
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 21
 Similarity score: 0.0773446

Alignment:

DTVBDDRGACCACCCAGDWDGBH
 --TTCAGCACCATGGACAGCKCC

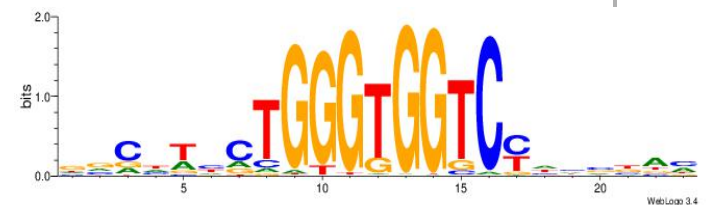
Original motif

Consensus sequence: DTVBDDRGACCACCCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary

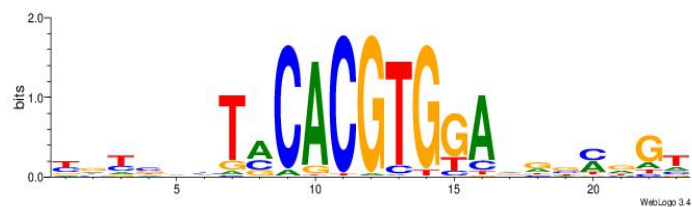
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 21
 Similarity score: 0.0775367

Alignment:

YDYBDHTMCACGTGGADDBMDGT
 --TTCAGCACCATGGACAGCKCC

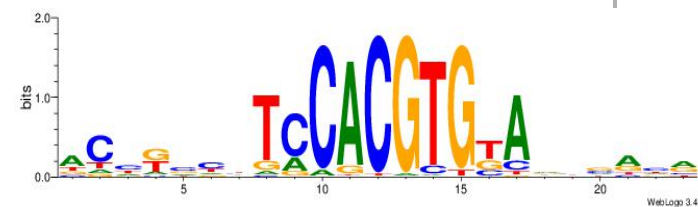
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



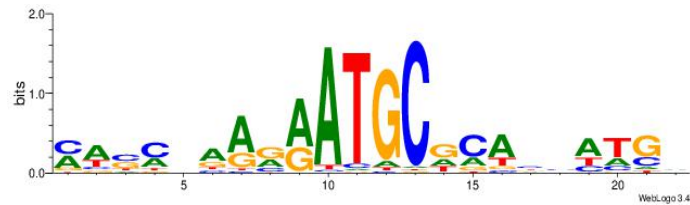
Motif ID: [UP00528](#)
 Motif name: Foxm1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 21
 Similarity score: 0.077977

Alignment:

DCATDBTGHGCATKMTTBRSWR
-GGYGCTGTCCATGGTGCTGAA

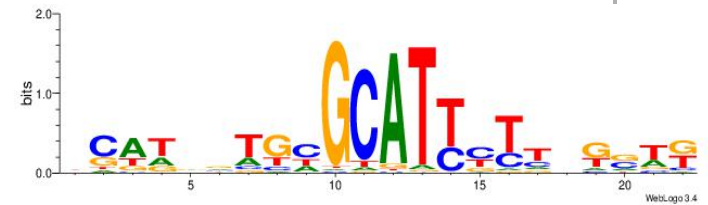
Original motif

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:

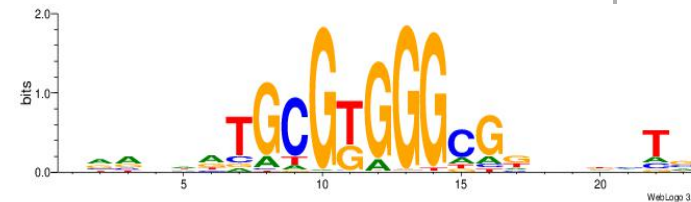
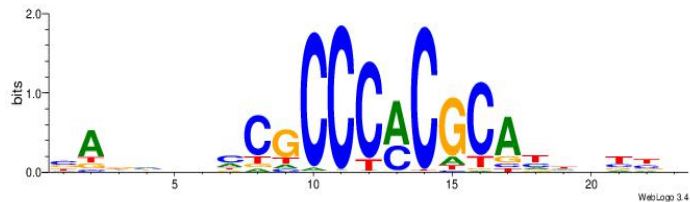
BADHBDHCGCCCMCGCAHHDBBV
--GGYGCTGTCCATGGTGCTGAA

Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV

Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB



Dataset #: 3 **Motif ID: 58** **Motif name: Myc**

Original motif

Consensus sequence: VGCACGTGGH



Reverse complement motif

Consensus sequence: DCCACGTGCV



Best Matches for Motif ID 58 (Highest to Lowest)

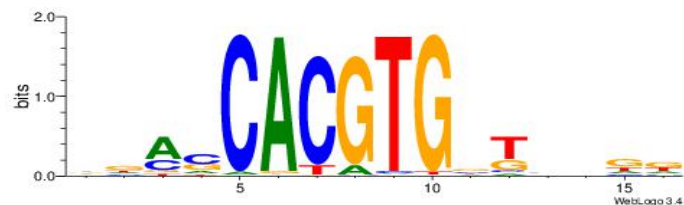
Motif ID:	UP00060
Motif name:	Max_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	10
Similarity score:	0

Alignment:

DDASCACGTGBTBVDD
 --VGCACGTGGH----

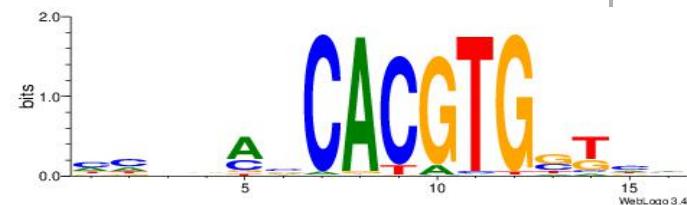
Original motif

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:

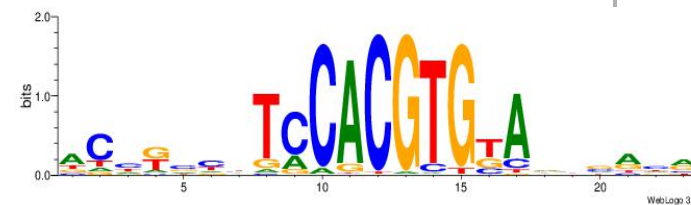
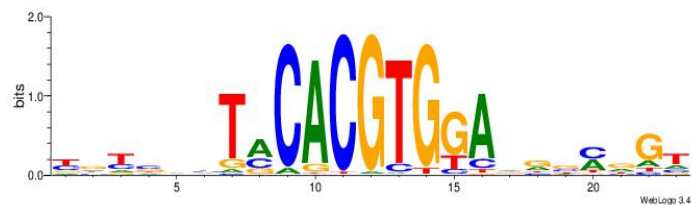
ACHRBHDTCCACGTGYAHBMHM
 -----DCCACGTGCV-----

Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT

Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHBMHM

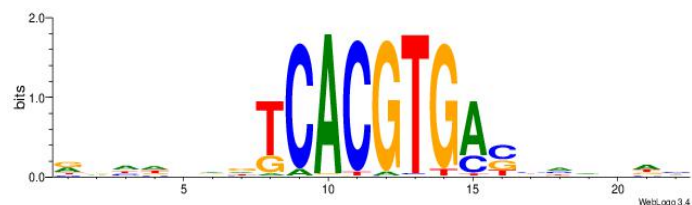


Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.00821668

Alignment:
 DDHBHBSTCACGTGAHBBDHMH
 -----DCCACGTGCV-----

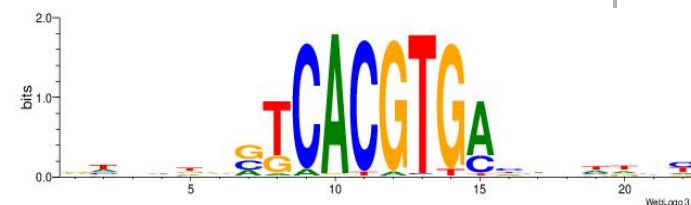
Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHMH



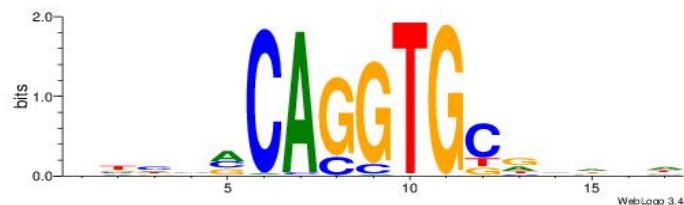
Motif ID: [UP00046](#)

Motif name: Tcfe2a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0140005

Alignment:
 DHDBHGCACCTGBDDVB
 ----VGCACGTGGH----

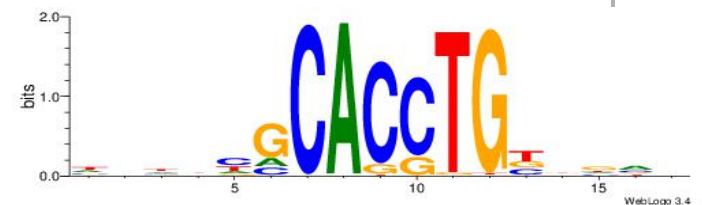
Original motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Reverse complement motif

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

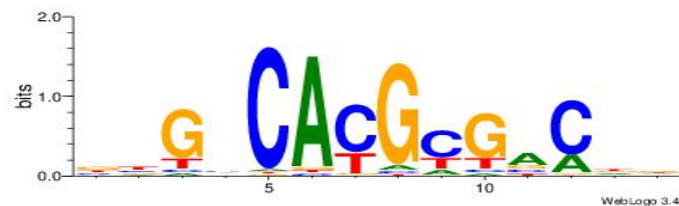
Alignment:

BBGHCACGCGACDD

--VGCACGTGGH--

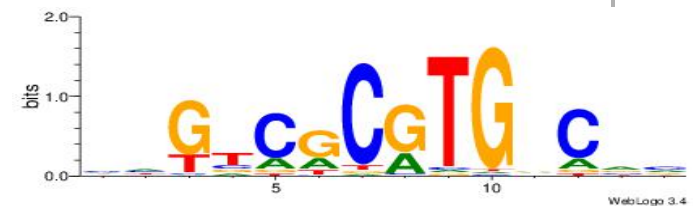
Original motif

Consensus sequence: BBGHCACGCGACDD



Reverse complement motif

Consensus sequence: HDGTGCGGTGDCVB



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

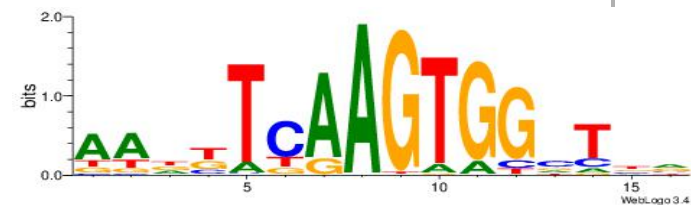
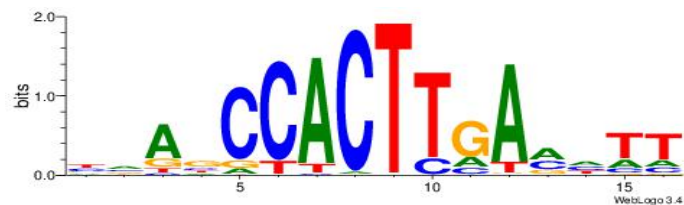
---DCCACGTGCV---

Original motif

Consensus sequence: BVABCCACTTGAMHTT

Reverse complement motif

Consensus sequence: AAHYTCAAGTGGBTBV



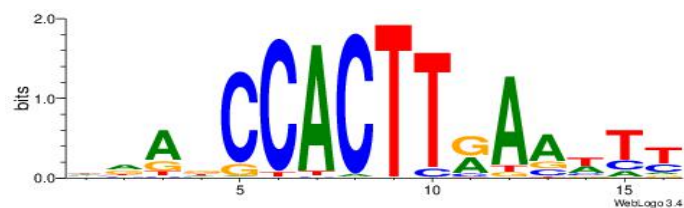
Motif ID: [UP00249](#)
 Motif name: Nkx2-5
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.031308

Alignment:

HDADCCACTTTRAAWTT
 ---DCCACGTGCV---

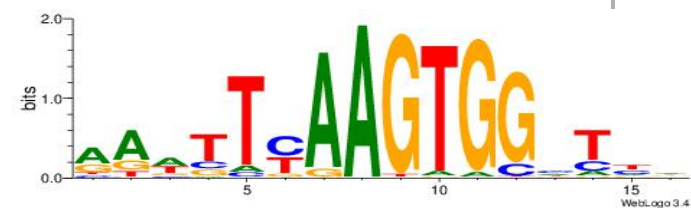
Original motif

Consensus sequence: HDADCCACTTTRAAWTT



Reverse complement motif

Consensus sequence: AAWTTMAAGTGGHTDH



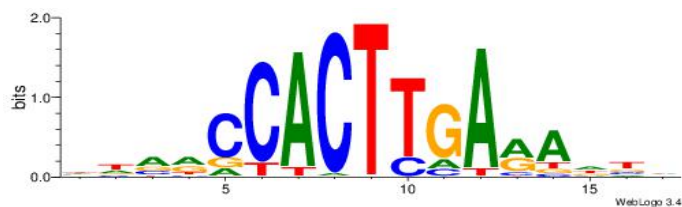
Motif ID: [UP00231](#)
 Motif name: Nkx2-2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0334845

Alignment:

HDVRCCACTTGARADBD
 ---DCCACGTGCV-----

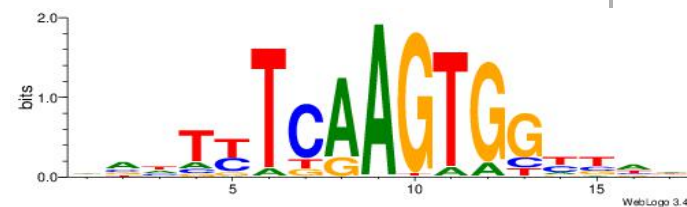
Original motif

Consensus sequence: HDVRCCACTTGARADBD



Reverse complement motif

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

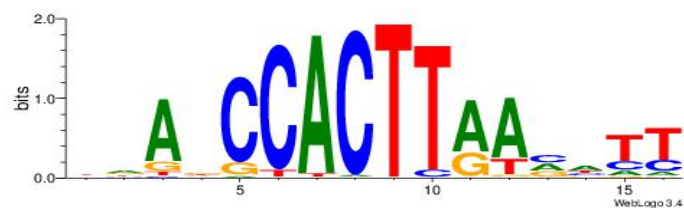
Number of overlap: 10
Similarity score: 0.0345548

Alignment:

DDADCCACTTAAVHTT
---DCCACGTGCV---

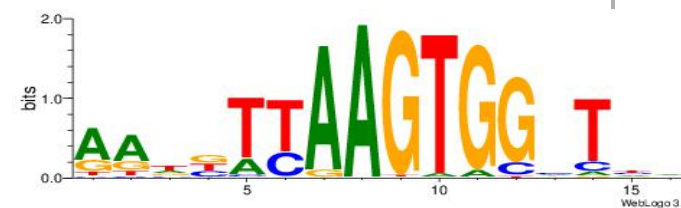
Original motif

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

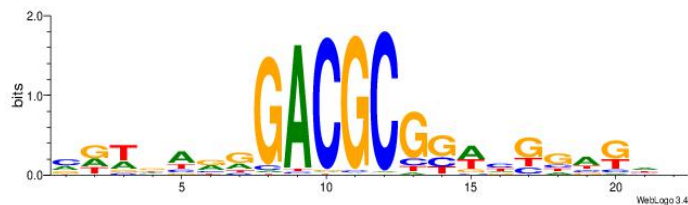
Alignment:

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

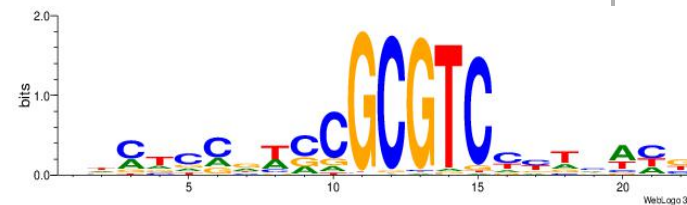
Original motif

Reverse complement motif

Consensus sequence: VDW DARRGACGCGGWHGGA KHV



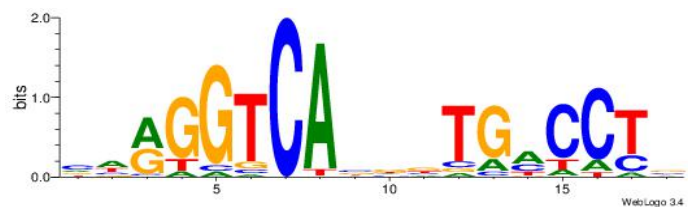
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Dataset #: 3 **Motif ID: 59** **Motif name: ESR2**

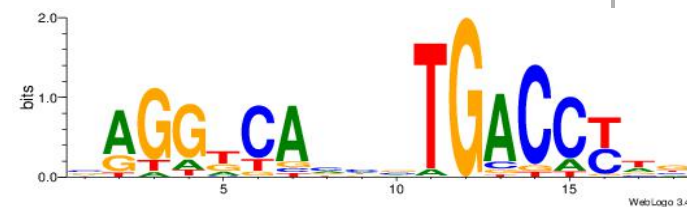
Original motif

Consensus sequence: VHRGGTCABDBTGM CCTB



Reverse complement motif

Consensus sequence: BAGGYCABHBTGACCKHV



Best Matches for Motif ID 59 (Highest to Lowest)

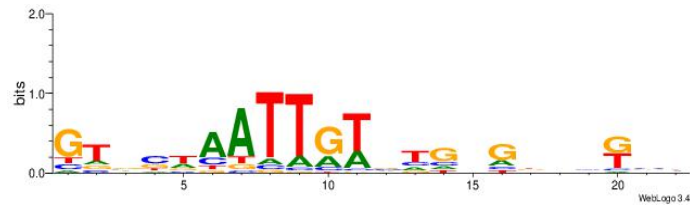
Motif ID:	UP00034
Motif name:	Sox7_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	18
Similarity score:	0.0443894

Alignment:

GTVBDAATTGTVTGHGDDHKVB
---VHRGGTCABDBTGMCTB-

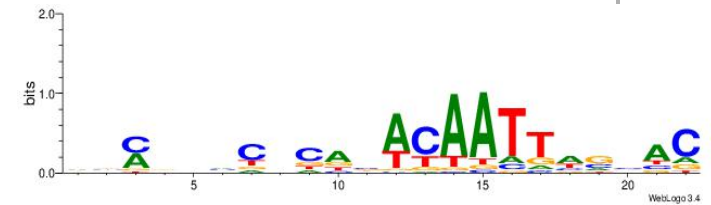
Original motif

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:

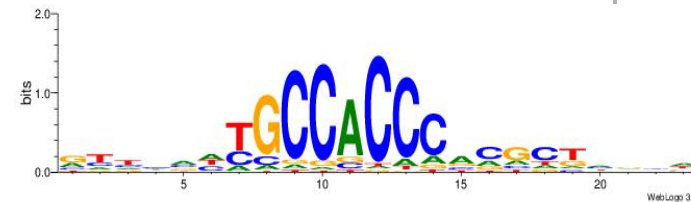
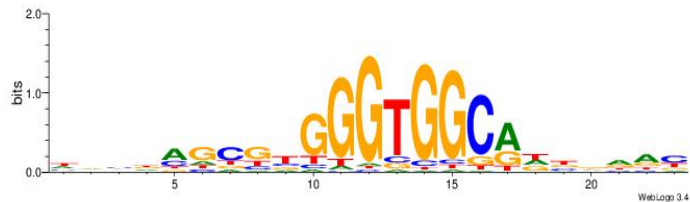
BDDHVDKGCCACCCVCGCTDBVH
---VHRGGTCABDBTGMCTB--

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

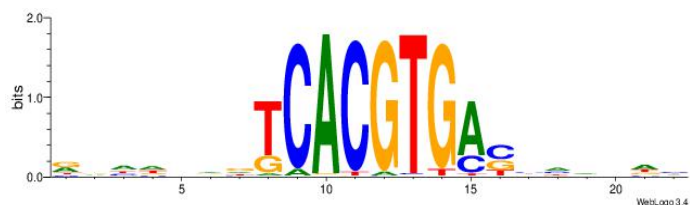


Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0509182

Alignment:
 DDHBHBSTCACGTGAHBBDHMH
 --VHRGGTCABDBTGMCTB--

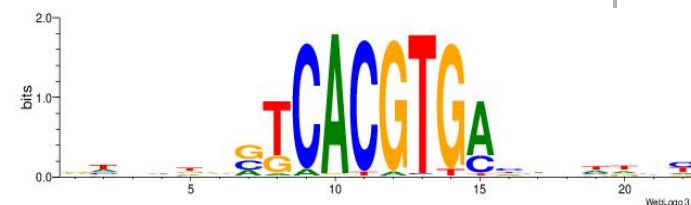
Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH



Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHMH



Motif ID: [UP00540](#)

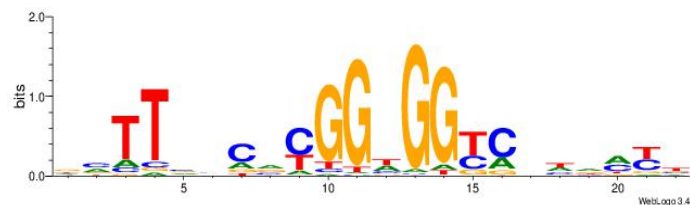
Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 18
 Similarity score: 0.0527075

Alignment:

DVTTVVCVYGGHGGYCHHDMYB
 -BAGGYCABHBTGACCKHV---

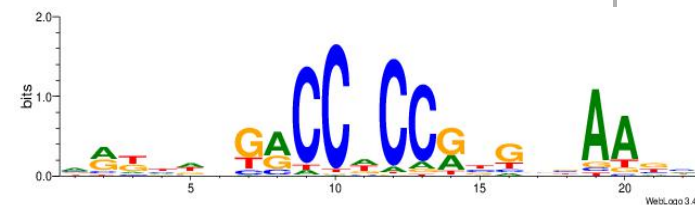
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKKBGVVAHVH

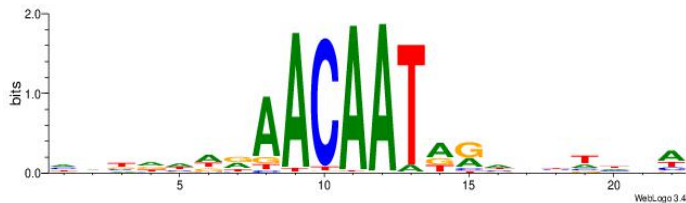


Motif ID: [UP00034](#)
 Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 18

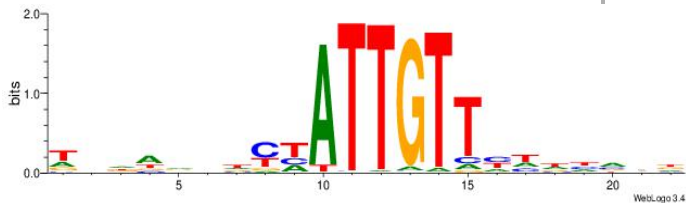
Similarity score: 0.0541044

Alignment:
WBHHHHHMDATTGTTHDHDVHH
-BAGGYCABHBTGACCKHV---

Original motif
Consensus sequence: HHBDHDDAACAAATDRHHHHHBW



Reverse complement motif
Consensus sequence: WBHHHHHMDATTGTTHDHDVHH

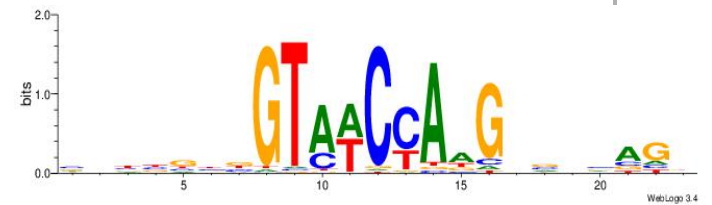
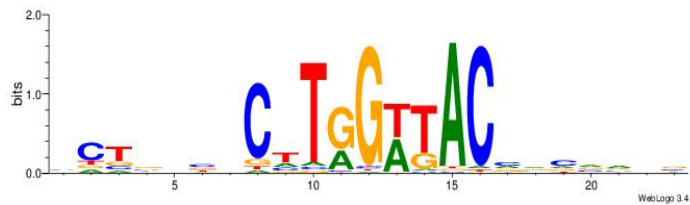


Motif ID: [UP00098](#)
Motif name: Rfx3_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 18
Similarity score: 0.0541108

Alignment:
VCTBHBVCTTGGWTACVVVVVDB
--BAGGYCABHBTGACCKHV---

Original motif
Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB

Reverse complement motif
Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



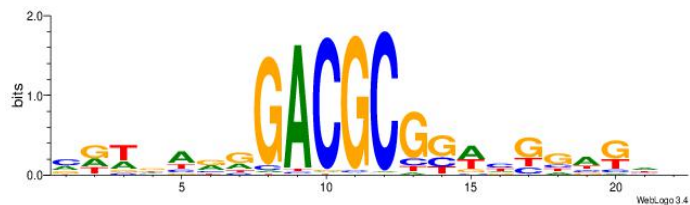
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 18
 Similarity score: 0.0543733

Alignment:

VDWDARRGACGCGGWHGGAHV
 ---VHRGGTCABDBTGMCTB-

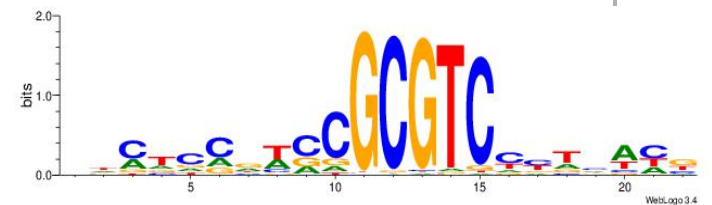
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



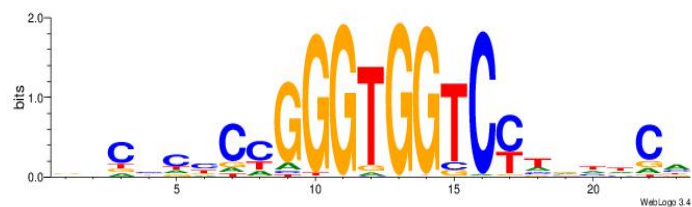
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.0548087

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
 -BAGGYCABHBTGACCKHV-----

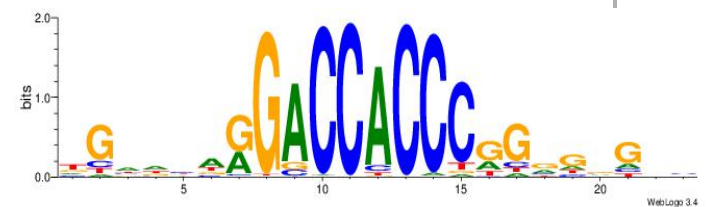
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB

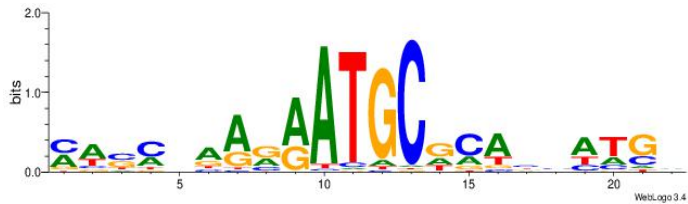


Motif ID: [UP00528](#)
 Motif name: Foxm1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5

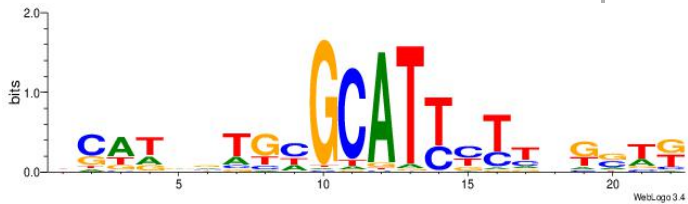
Number of overlap: 18
Similarity score: 0.055453

Alignment:
DCATDBTGHGCATKMTTBRSWR
----VHRGGTCABDBTGMCCCTB

Original motif
Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif
Consensus sequence: DCATDBTGHGCATKMTTBRSWR



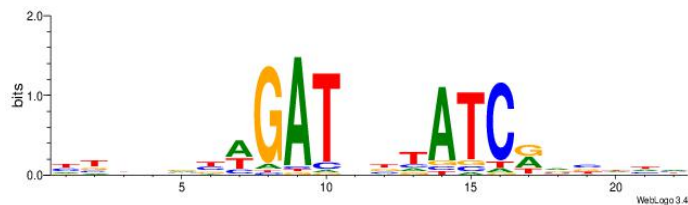
Motif ID: [UP00032](#)
Motif name: Gata3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 18
Similarity score: 0.0566426

Alignment:
HBHDVBWGATHBTATCRVBHHH
-VHRGGTCABDBTGMCCCTB---

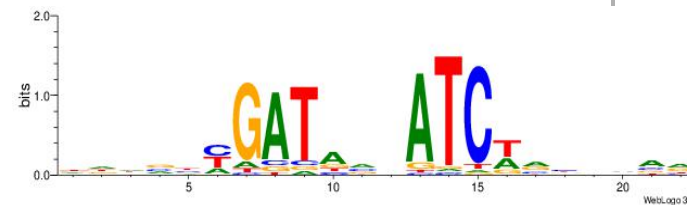
Original motif

Reverse complement motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



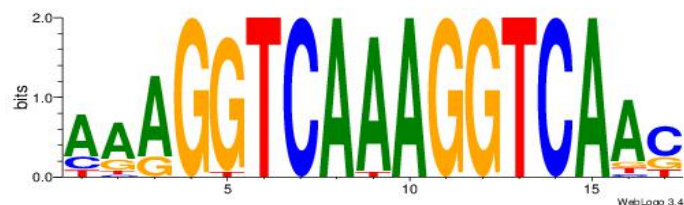
Consensus sequence: HHHBBMGATAVHATCWVVDHVH



Dataset #: 3 **Motif ID: 60** **Motif name: NR1H2RXRA**

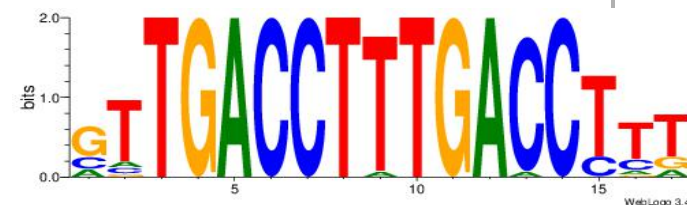
Original motif

Consensus sequence: AAAGGTCAAAGGTCAAC



Reverse complement motif

Consensus sequence: GTTGACCTTTGACCTTT



Best Matches for Motif ID 60 (Highest to Lowest)

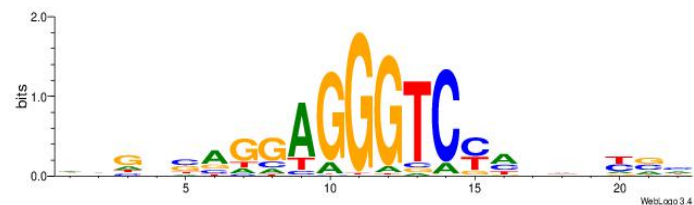
Motif ID:	UP00539
Motif name:	Gli2_v015681_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	17
Similarity score:	0.0538452

Alignment:

DVMHHDHKGACCCTCCTSVCBH
-----GTTGACCTTTGACCTTT

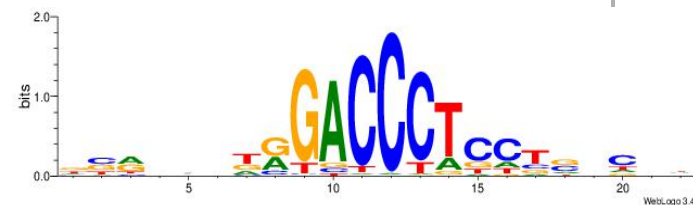
Original motif

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:

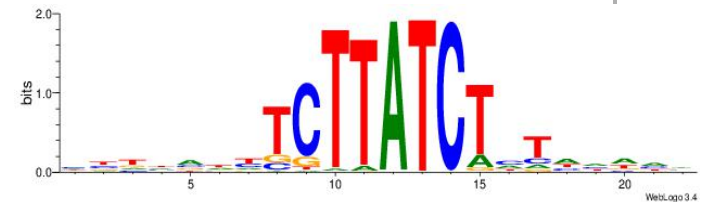
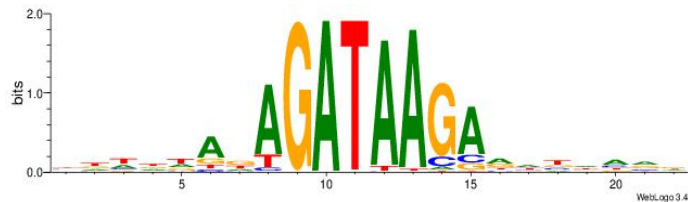
BDHDDADAGATAAGADHBDHVD
-----AAAGGTCAAAGGTCAAC

Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD

Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



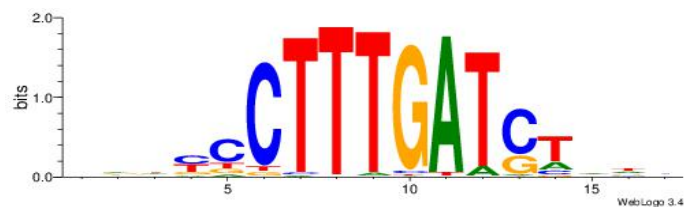
Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.521114

Alignment:

VDDAGATCAAAGGKDDD-
 -AAAGGTCAAAGGTCAAC

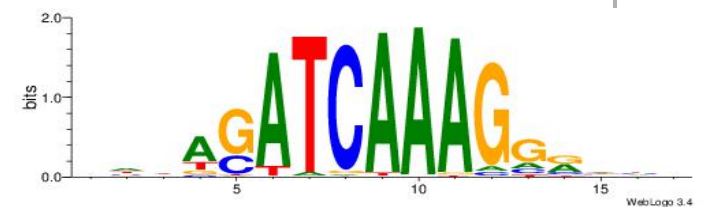
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGKDDD



Motif ID: [UP00083](#)

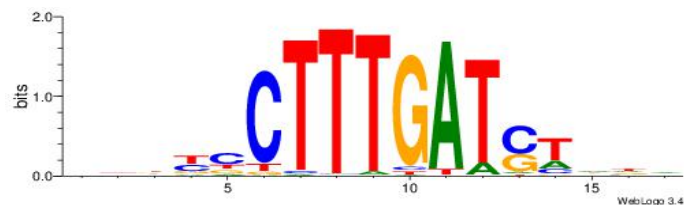
Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.527825

Alignment:

-DDDYCCTTTGATSTDDV
 GTTGACCTTTGACCTTT-

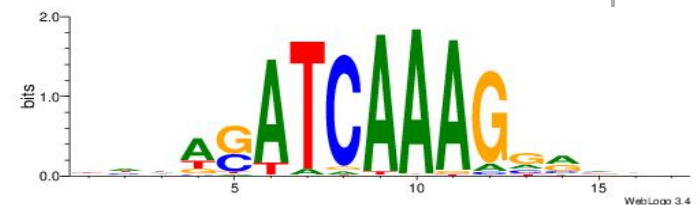
Original motif

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

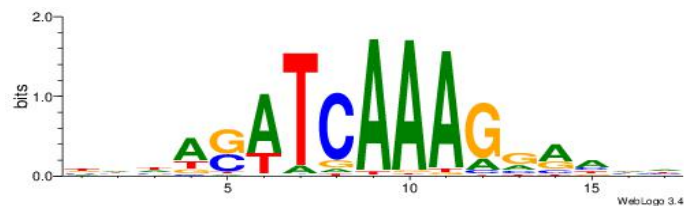
Similarity score: 0.531154

Alignment:

BHHASATCAAAGGAHHH-
-AAAGGTCAAAGGTCAAC

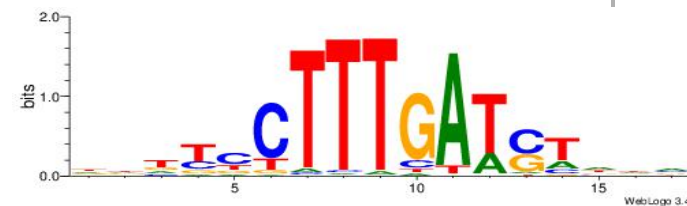
Original motif

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:

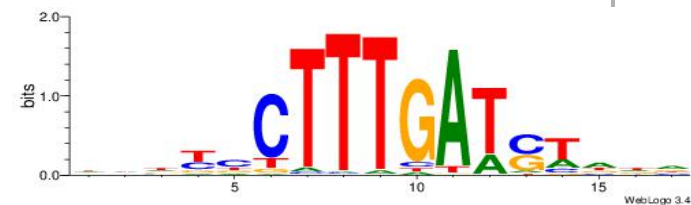
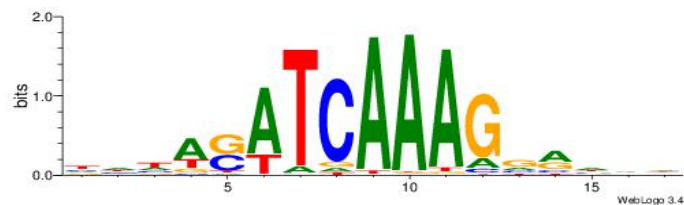
-HHHASATCAAAGVRHHH
AAAGGTCAAAGGTCAAC-

Original motif

Consensus sequence: HHHASATCAAAGVRHHH

Reverse complement motif

Consensus sequence: HHHKVCTTTGATSTHHH

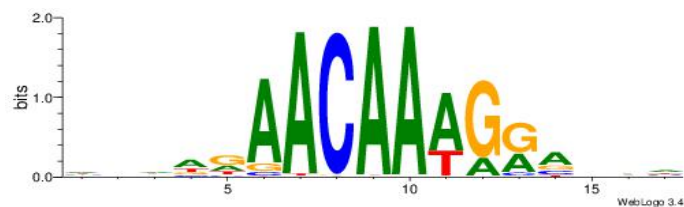


Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.544403

Alignment:
 HBDDRAACAAAGRABHH-
 -AAAGGTCAAAGGTCAAC

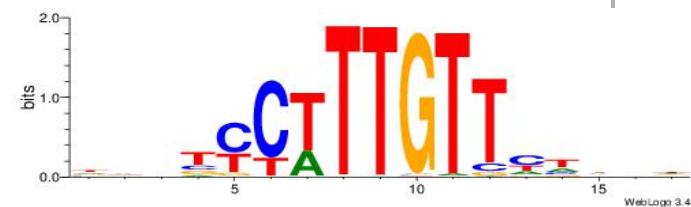
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



Motif ID: [UP00062](#)

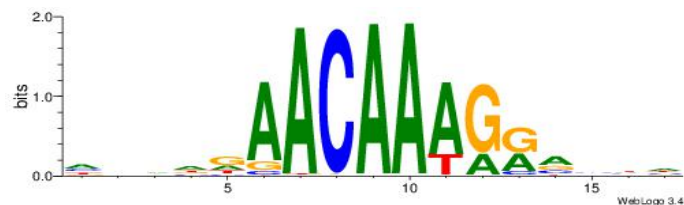
Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.544565

Alignment:

-HHBBMCTTTGTTTHDDBH
 GTTGACCTTTGACCTTT-

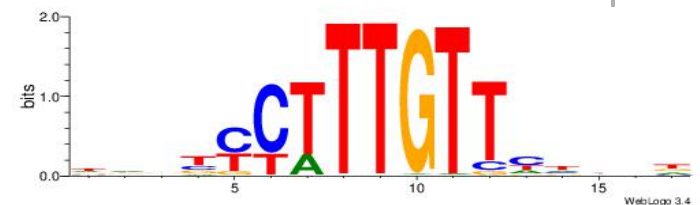
Original motif

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

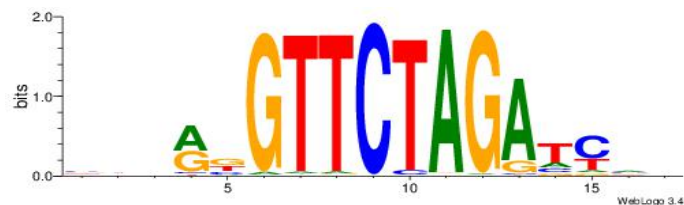
Similarity score: 0.550511

Alignment:

-BBGATCTAGAACBKHDB
GTTGACCTTTGACCTTT-

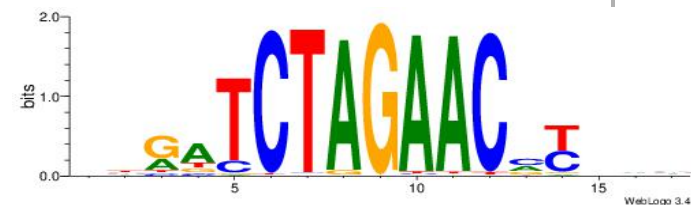
Original motif

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:

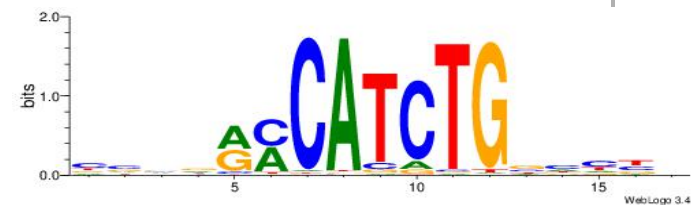
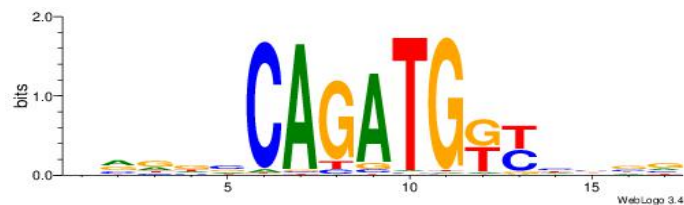
-HVDDVCAGATGKYHBBV
AAAGGTCAAAGGTCAAC-

Original motif

Consensus sequence: HVDDVCAGATGKYHBBV

Reverse complement motif

Consensus sequence: VBBDMYCATCTGVHBBH



Dataset #: 3 Motif ID: 61 Motif name: NR4A2

Original motif

Consensus sequence: AAGGTCAC



Reverse complement motif

Consensus sequence: GTGACCTT



Best Matches for Motif ID 61 (Highest to Lowest)

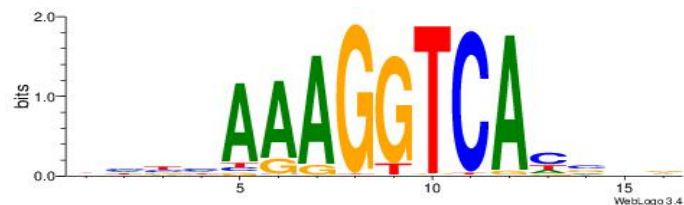
Motif ID:	UP00048
Motif name:	Rara
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	8
Similarity score:	0

Alignment:

HHVGTGACCTTTDVDD
---GTGACCTT-----

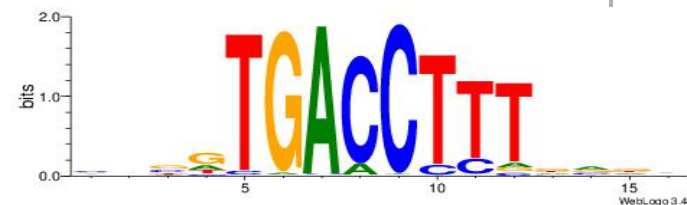
Original motif

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:

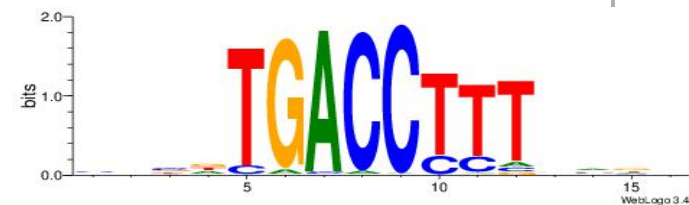
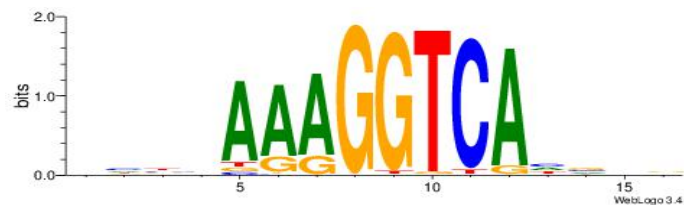
DHBHAAAGGTCAHVHB
-----AAGGTCAC---

Original motif

Consensus sequence: DHBHAAAGGTCAHVHB

Reverse complement motif

Consensus sequence: BHVDTGACCTTTDVDD

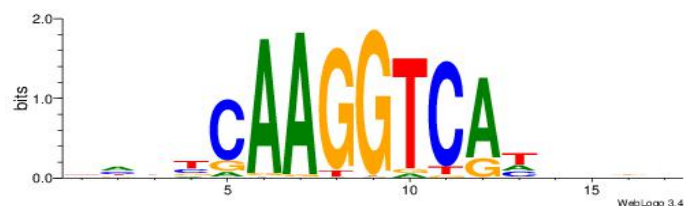


Motif ID: [UP00079](#)
 Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.01542

Alignment:
 DHDBCAAGGTCAHVBDH
 -----AAGGTCAC-----

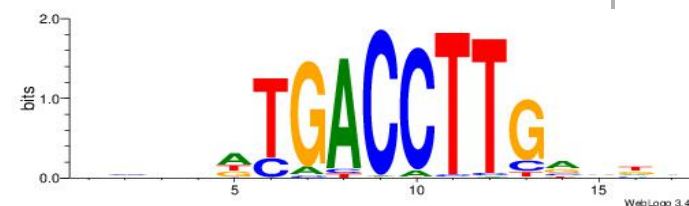
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



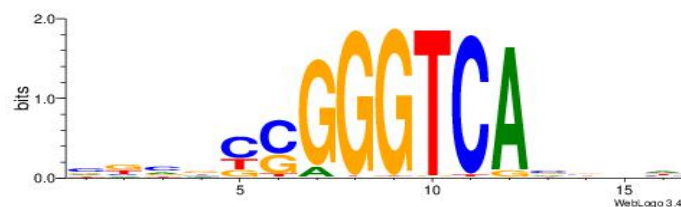
Motif ID: [UP00009](#)

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:
 VBVBSCGGGTCAVBBH
 -----AAGGTCAC---

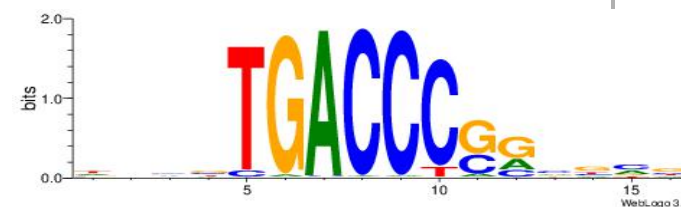
Original motif

Consensus sequence: VBVBSCGGGTCAVBBH



Reverse complement motif

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

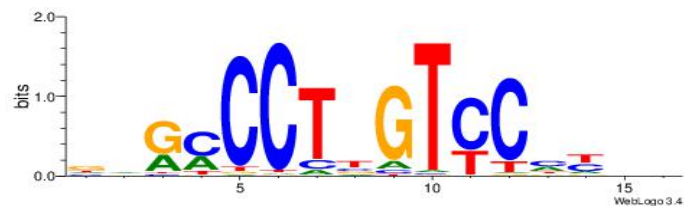
Alignment:

DDGMCCTBGTCCCHYHV

GTGACCTT-----

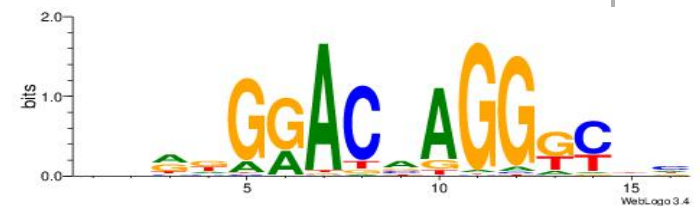
Original motif

Consensus sequence: DDGMCCTBGTCCCHYHV



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

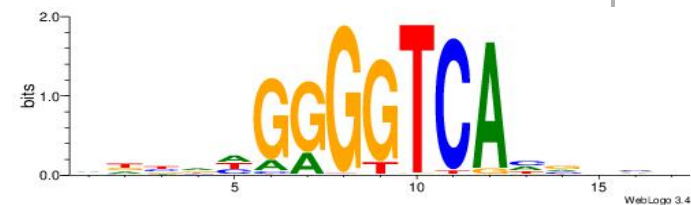
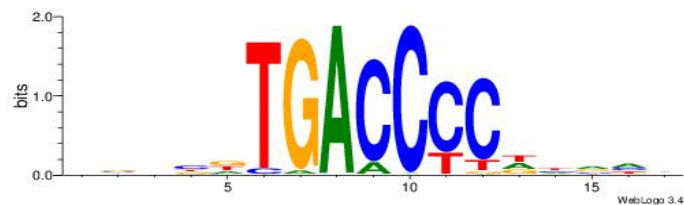
----GTGACCTT-----

Original motif

Consensus sequence: DBHBDTGACCCCDHVHB

Reverse complement motif

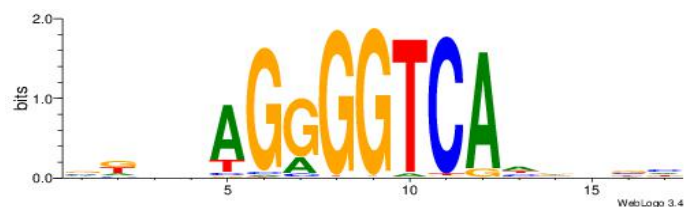
Consensus sequence: VHBHDGGGGTCAHBHBD



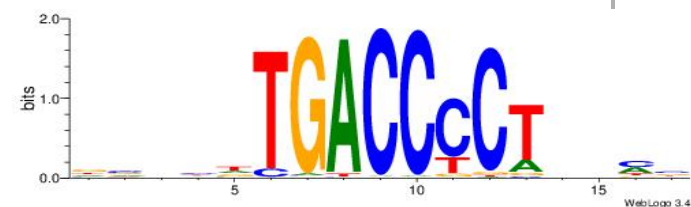
Motif ID: [UP00079](#)
 Motif name: Esrra_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0447444

Alignment:
 VKBBAGGGGTCAHDBBH
 -----AAGGTCAC-----

Original motif
 Consensus sequence: VKBBAGGGGTCAHDBBH



Reverse complement motif
 Consensus sequence: DBBHHTGACCCCTBBYV

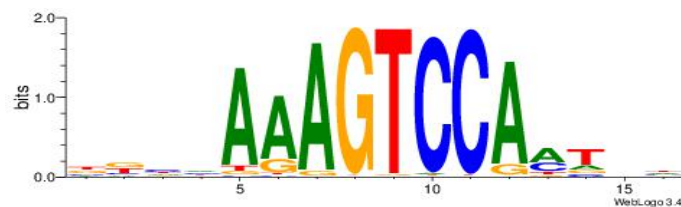


Motif ID: [UP00066](#)
 Motif name: Hnf4a_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0481418

Alignment:
 BBHHAAAGTCCAMTHH
 -----AAGGTCAC---

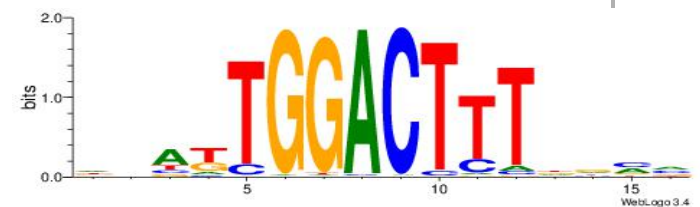
Original motif

Consensus sequence: BBHHAAAGTCCAMTHH



Reverse complement motif

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

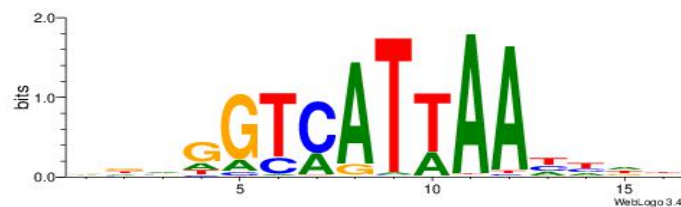
Number of overlap: 8
Similarity score: 0.0497679

Alignment:

VDHHTTAATGACCBHV
-----GTGACCTT-

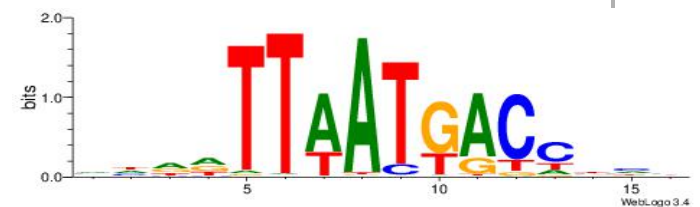
Original motif

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

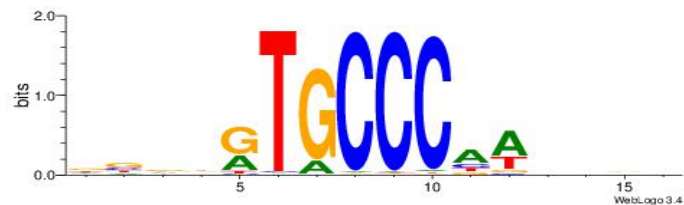
Alignment:

DBDDRTGCCCAWDHDV
----GTGACCTT----

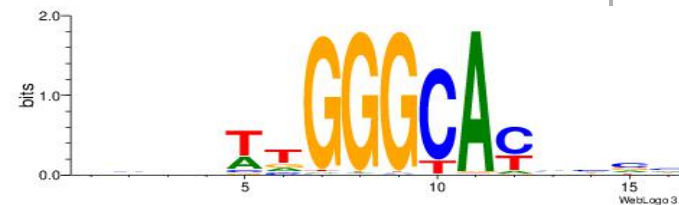
Original motif

Reverse complement motif

Consensus sequence: DBDDRTGCCCAWDHDV



Consensus sequence: VHHDWTGGGCAMDHBH



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----

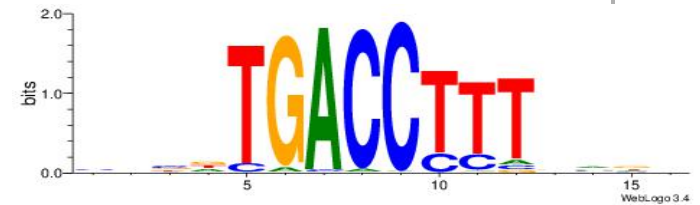
Original motif

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

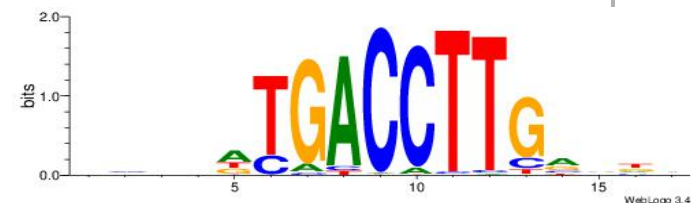
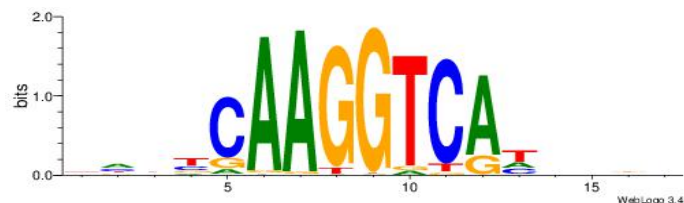
-----TGACCTDVWT--

Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH

Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD

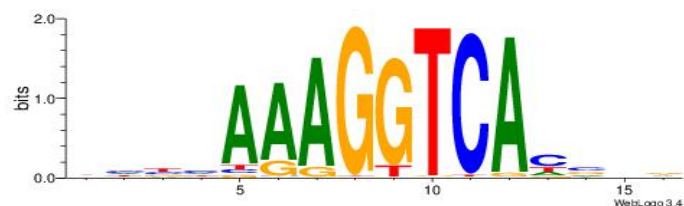


Motif ID: [UP00048](#)
 Motif name: Rara
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0189599

Alignment:
 DHBHAAAGGTCACVHD
 --AWVDAGGTCA----

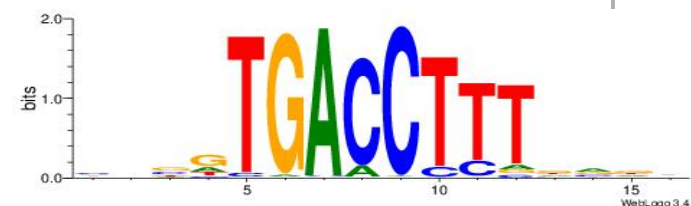
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD



Motif ID: [UP00009](#)

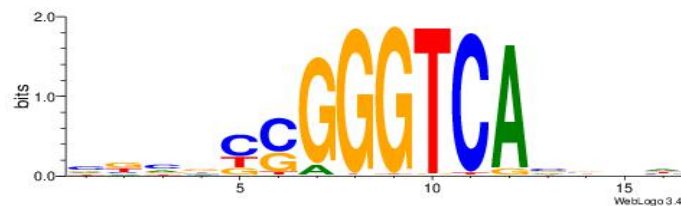
Motif name: Nr2f2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0331999

Alignment:

VBVBSCGGGTCAVBBH
 --AWVDAGGTCA----

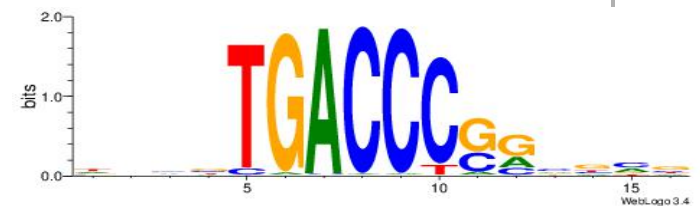
Original motif

Consensus sequence: VBVBSCGGGTCAVBBH



Reverse complement motif

Consensus sequence: HVBVTGACCCSGBVBV

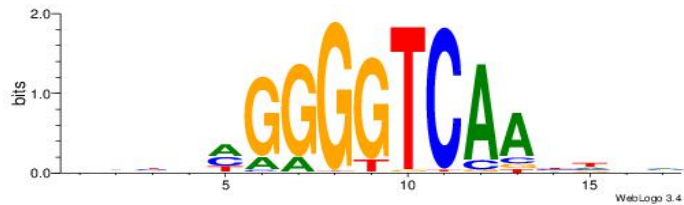


Motif ID: [UP00066](#)
 Motif name: Hnf4a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10

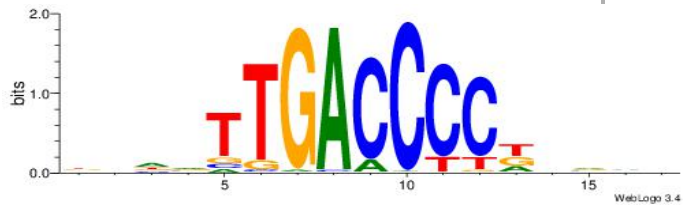
Similarity score: 0.0341771

Alignment:
BDBVMGGGGTCAABHDV
--AWVDAGGTCA-----

Original motif
Consensus sequence: BDBVMGGGGTCAABHDV



Reverse complement motif
Consensus sequence: BHHVTTGACCCCYVVD

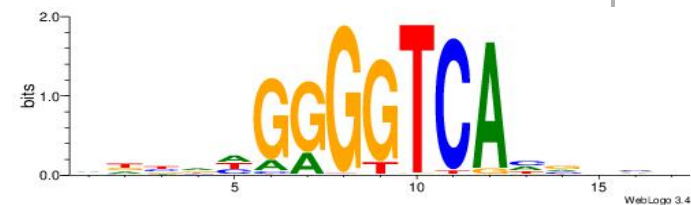
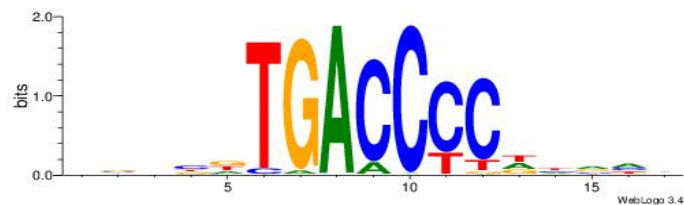


Motif ID: [UP00053](#)
Motif name: Rxra_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 10
Similarity score: 0.0363566

Alignment:
DBHBDTGACCCCDHVHB
-----TGACCTDVWT--

Original motif
Consensus sequence: DBHBDTGACCCCDHVHB

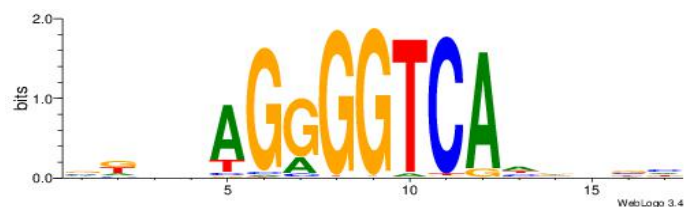
Reverse complement motif
Consensus sequence: VHBHDGGGGTCAHBHBD



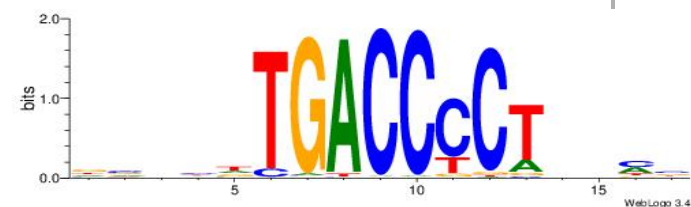
Motif ID: [UP00079](#)
 Motif name: Esrra_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0391284

Alignment:
 VKBBAGGGGTCAHDBBH
 --AWVDAGGTCA-----

Original motif
 Consensus sequence: VKBBAGGGGTCAHDBBH



Reverse complement motif
 Consensus sequence: DBBHHTGACCCCTBBYV



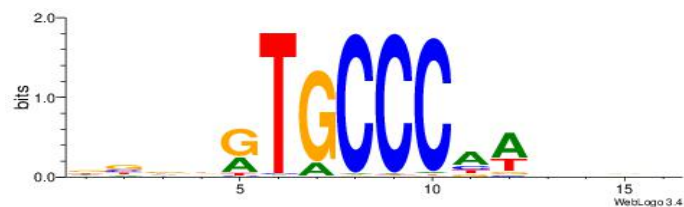
Motif ID: [UP00035](#)
 Motif name: Hic1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0444205

Alignment:

DBDDRTGCCCCAWDHDV
 -----TGACCTDVWT-

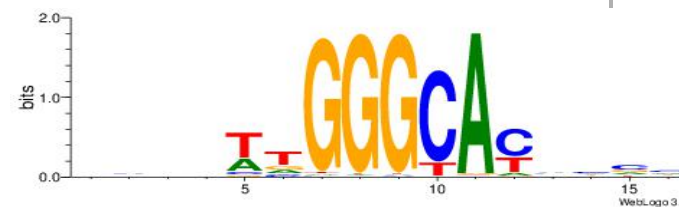
Original motif

Consensus sequence: DBDDRTGCCCCAWDHDV



Reverse complement motif

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

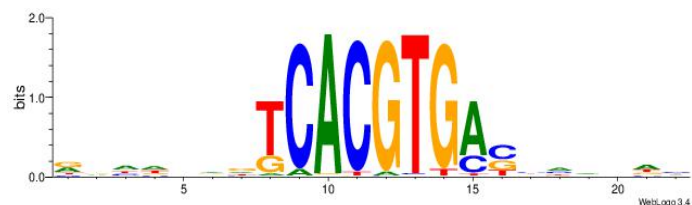
Similarity score: 0.0461434

Alignment:

RDHDBVDTACGTGASBHVHDH
AWVDAGGTCA-----

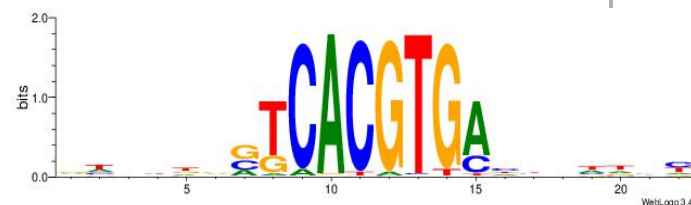
Original motif

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:

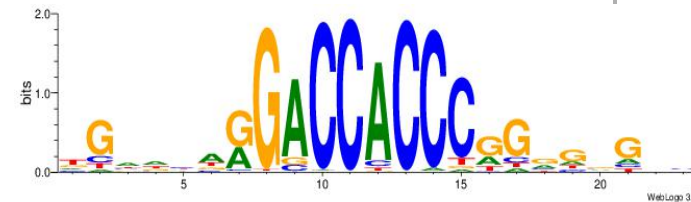
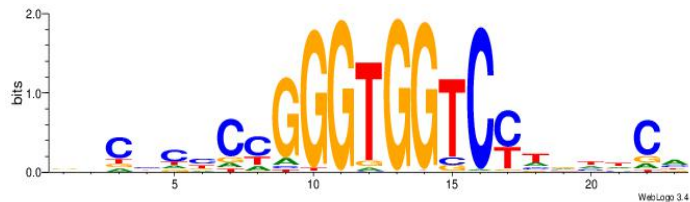
BHCBCBCCGGGTGGTCYHVHDCH
-----TGACCTDVWT--

Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH

Reverse complement motif

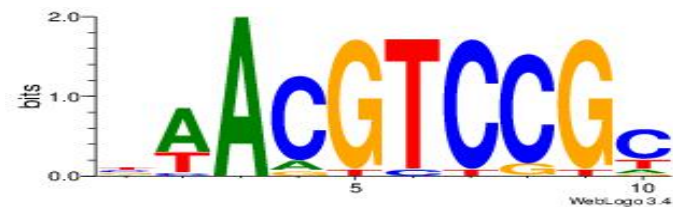
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



Dataset #: 3 Motif ID: 63 Motif name: MIZF

Original motif

Consensus sequence: BAACGTCCGC



Reverse complement motif

Consensus sequence: GCGGACGTTT



Best Matches for Motif ID 63 (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-----

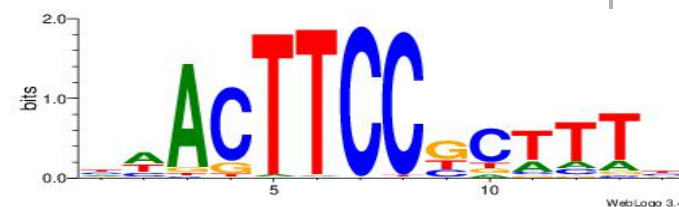
Original motif

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:

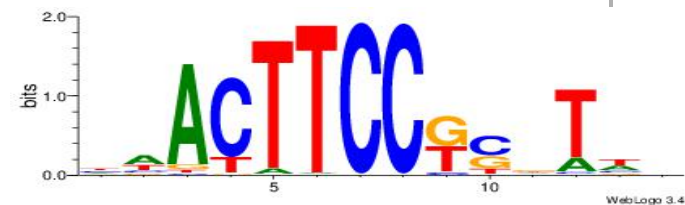
BWAHSMGGAAGTWD
BAACGTCCGC-----

Original motif

Consensus sequence: BWAHSMGGAAGTWD

Reverse complement motif

Consensus sequence: DWACTTCCRSDTWV

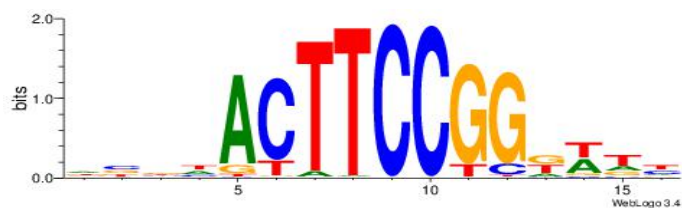


Motif ID: [UP00413](#)
 Motif name: Elf4
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0124101

Alignment:
 DBBHACTTCCGGKWTH
 --BAACGTCCGC----

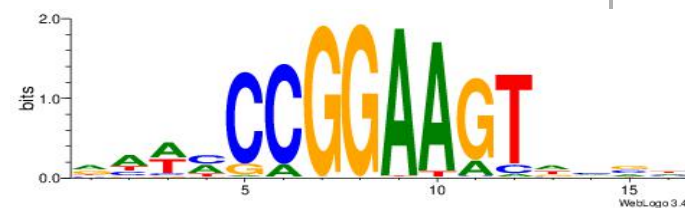
Original motif

Consensus sequence: DBBHACTTCCGGKWTH



Reverse complement motif

Consensus sequence: HAWYCCGGAAGTHBBD



Motif ID: [UP00404](#)

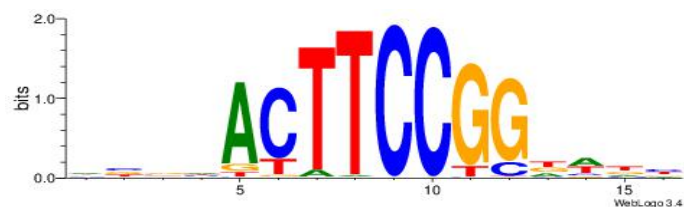
Motif name: Elf2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0128348

Alignment:

DBBHACTTCCGGDWDB
 --BAACGTCCGC----

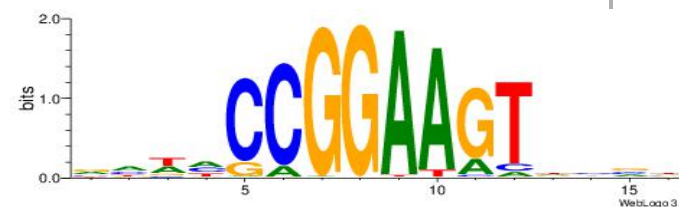
Original motif

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-----

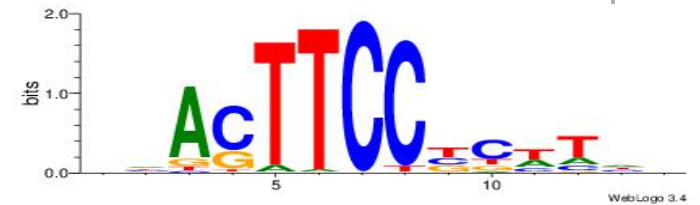
Original motif

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:

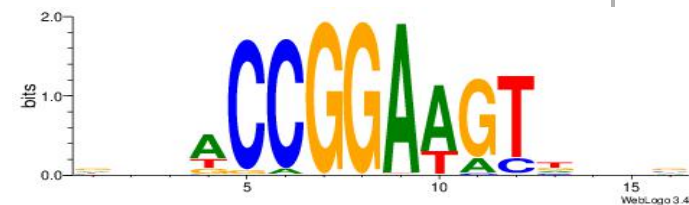
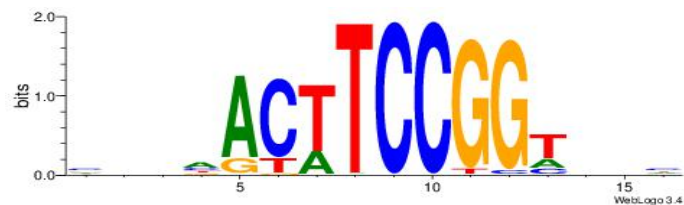
DVHACCGGAAGTHDDV
-----GCGGACGTTV--

Original motif

Consensus sequence: VDHHA CTTCGGTHVH

Reverse complement motif

Consensus sequence: DVHACCGGAAGTHDDV



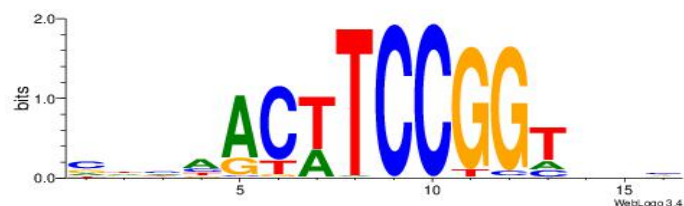
Motif ID: [UP00412](#)
 Motif name: Etv5
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0155825

Alignment:

DHHACCGGAWGTTDDV
 ----GCGGACGTTV--

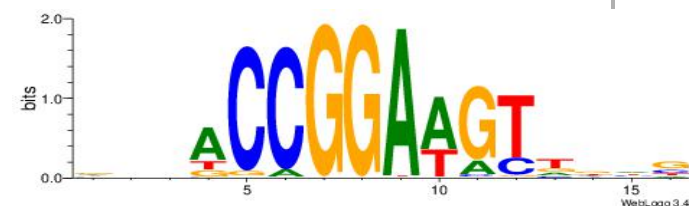
Original motif

Consensus sequence: VDHAACWTCCGGTHHH



Reverse complement motif

Consensus sequence: DHHACCGGAWGTTDDV



Motif ID: [UP00015](#)

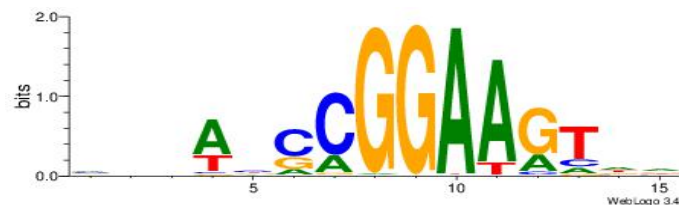
Motif name: Ehf_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0162018

Alignment:

VBDABCCGGAAGTDD
 -----GCGGACGTTV

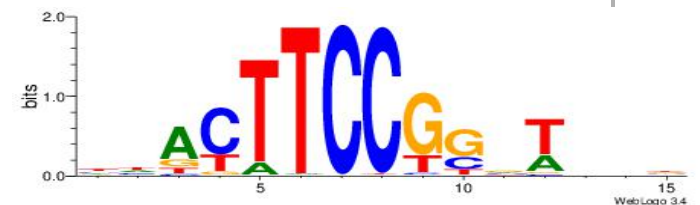
Original motif

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

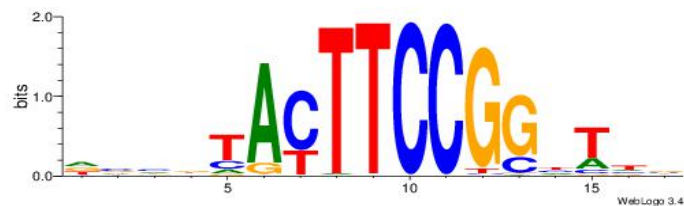
Alignment:

DVHBTACTTCCGGHTHB

---BAACGTCCGC----

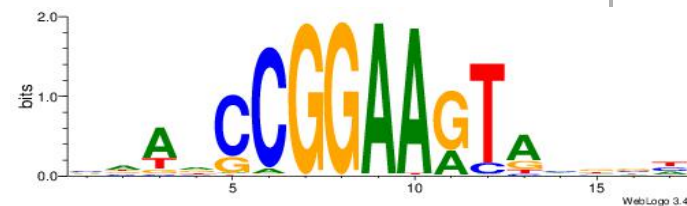
Original motif

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

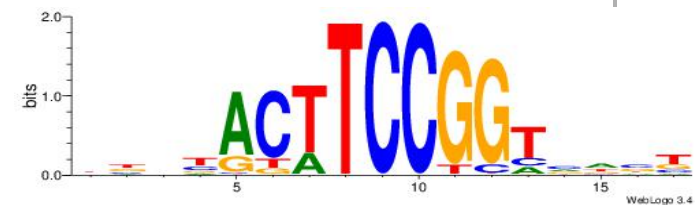
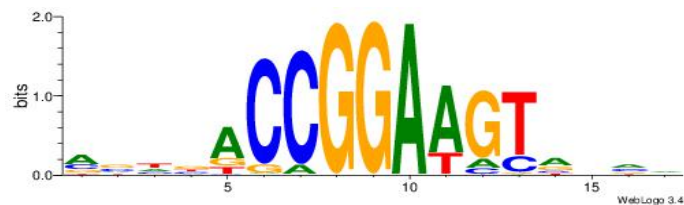
-----GCGGACGTTV--

Original motif

Consensus sequence: MVHBACCGGAAGTVDVH

Reverse complement motif

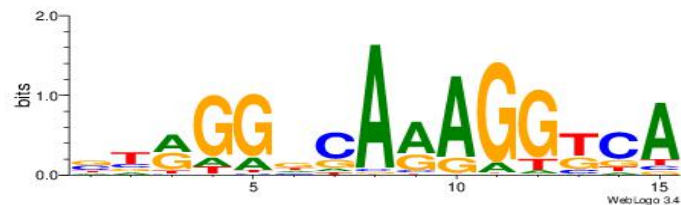
Consensus sequence: HBDBACTTCCGGTBHVV



Dataset #: 3 Motif ID: 64 Motif name: PPARGRXRA

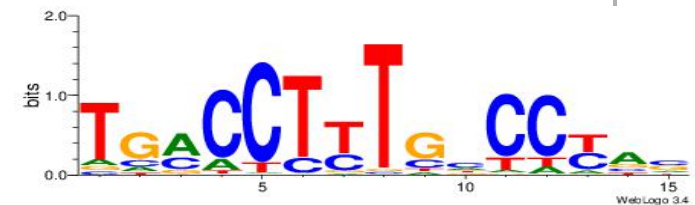
Original motif

Consensus sequence: BTRGGDCARAGGKCA



Reverse complement motif

Consensus sequence: TGRCTKTGHCKAB



Best Matches for Motif ID 64 (Highest to Lowest)

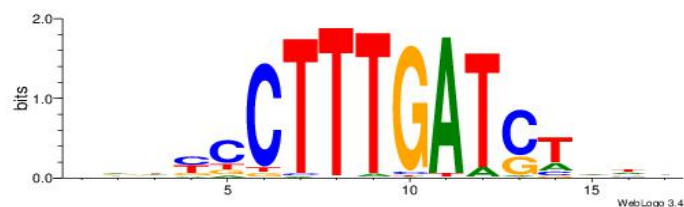
Motif ID:	UP00067
Motif name:	Lef1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	15
Similarity score:	0.0304954

Alignment:

VDDAGATCAAAGGKDDD
-BTRGGDCARAGGKCA-

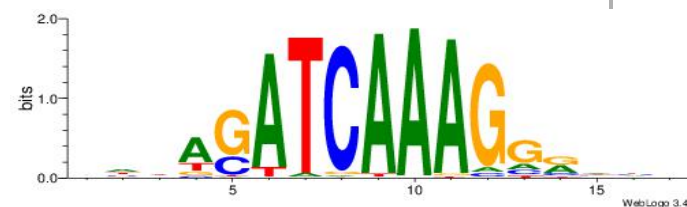
Original motif

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:

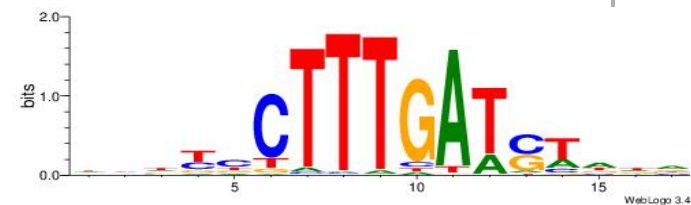
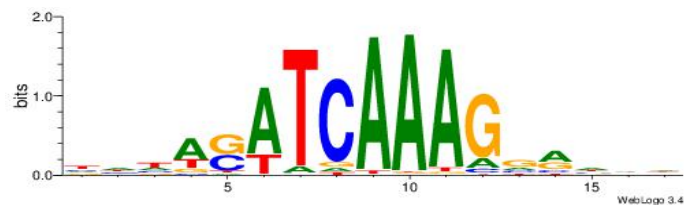
HHHASATCAAAGVRHHH
-BTRGGDCARAGGKCA-

Original motif

Consensus sequence: HHHASATCAAAGVRHHH

Reverse complement motif

Consensus sequence: HHHKVCTTTGATSTHHH



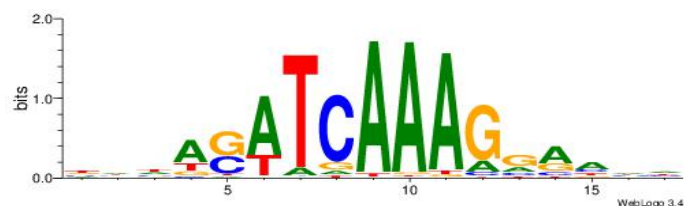
Motif ID: [UP00054](#)
 Motif name: Tcf7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.032779

Alignment:

BHHASATCAAAGGAHHH
 -BTRGGDCARAGGKCA-

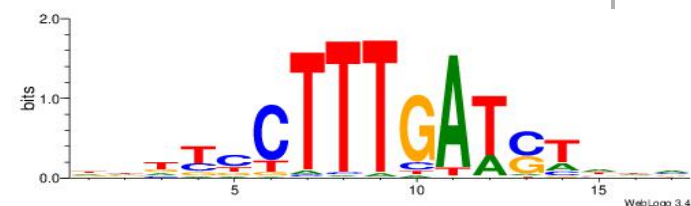
Original motif

Consensus sequence: BHHASATCAAAGGAHHH



Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV



Motif ID: [UP00082](#)

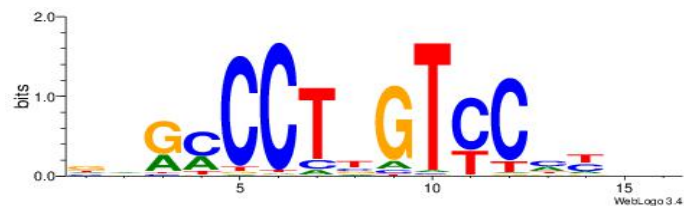
Motif name: Zfp187_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0334185

Alignment:

VHMDGGACVAGGRCDH
 BTRGGDCARAGGKCA-

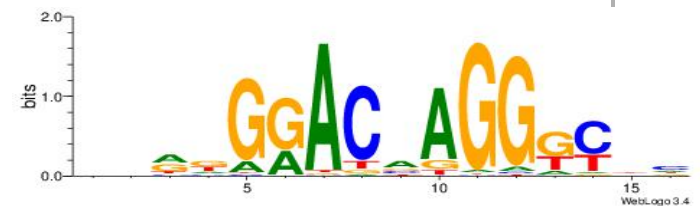
Original motif

Consensus sequence: 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: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 15

Similarity score: 0.0352539

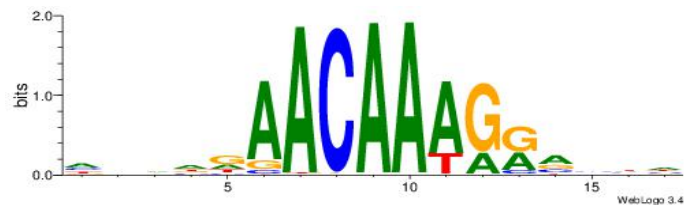
Alignment:

HBDDDAACAAAGRVBHH

-BTRGGDCARAGGKCA-

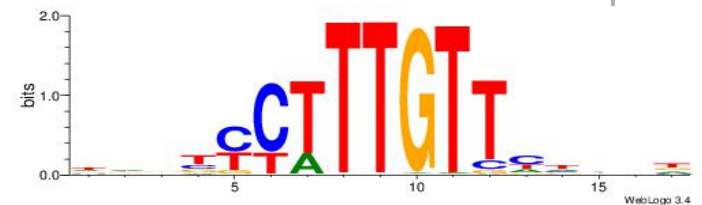
Original motif

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

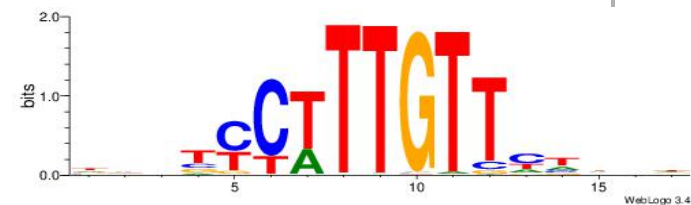
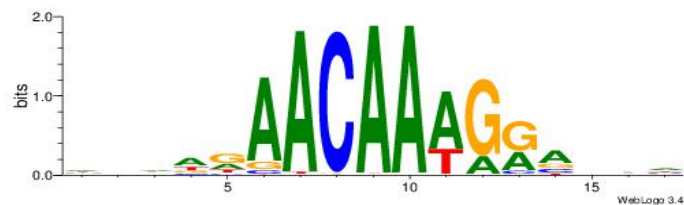
-BTRGGDCARAGGKCA-

Original motif

Consensus sequence: HBDDRAACAAAGRABHH

Reverse complement motif

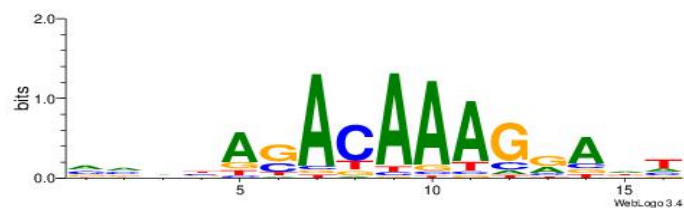
Consensus sequence: HHBTMCTTTGTTMDDVH



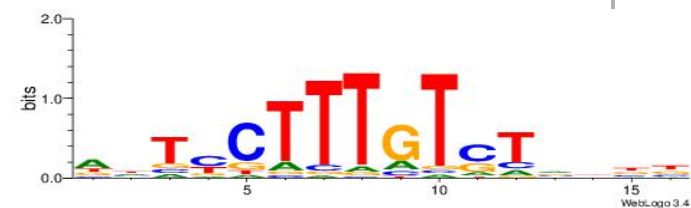
Motif ID: [UP00101](#)
 Motif name: Sox12_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0374729

Alignment:
 HDTMCTTTGTSTVDBB
 TGRCCCTKGHCCKAB-

Original motif
 Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif
 Consensus sequence: HDTMCTTTGTSTVDBB



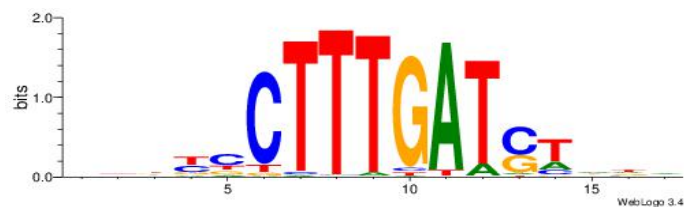
Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0379757

Alignment:

BDDASATCAAAGGMDDD
 -BTRGGDCARAGGKCA-

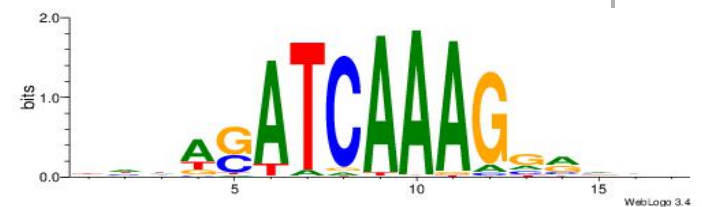
Original motif

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

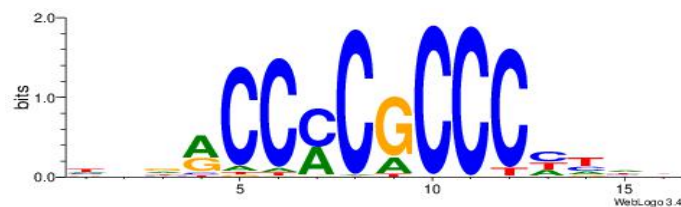
Number of overlap: 15
Similarity score: 0.0382733

Alignment:

DHHDGGGCGRGGKHBH
BTRGGDCARAGGKCA-

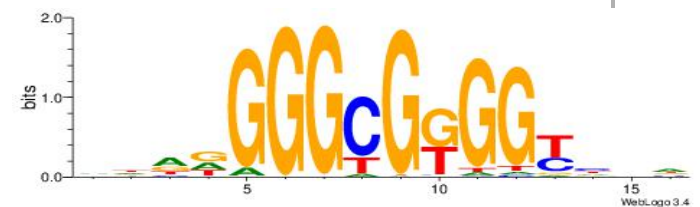
Original motif

Consensus sequence: HBDRCCMCGCCCHHHD



Reverse complement motif

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:

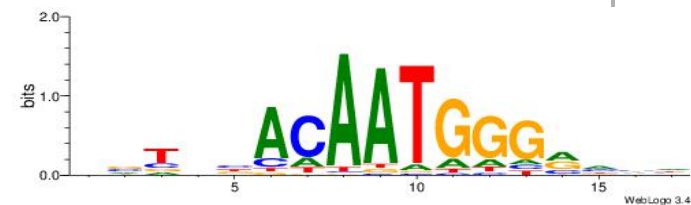
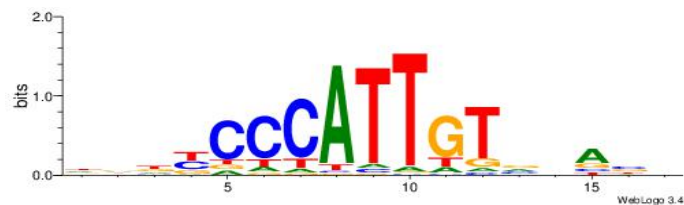
DDDYCCCATTGTVHABH
BTRGGDCARAGGKCA--

Original motif

Consensus sequence: DDDYCCCATTGTVHABH

Reverse complement motif

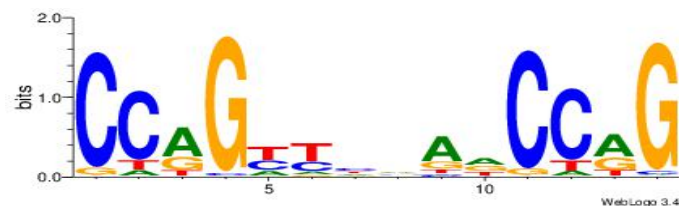
Consensus sequence: HBTHVACAATGGGMDHD



Dataset #: 3 **Motif ID: 65** **Motif name: Tcfcp2l1**

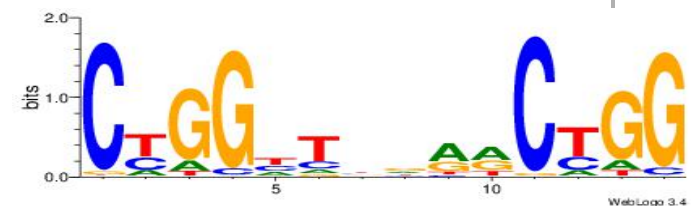
Original motif

Consensus sequence: CCAGYYHVADCCRG



Reverse complement motif

Consensus sequence: CKGGDTBDMMCTGG



Best Matches for Motif ID 65 (Highest to Lowest)

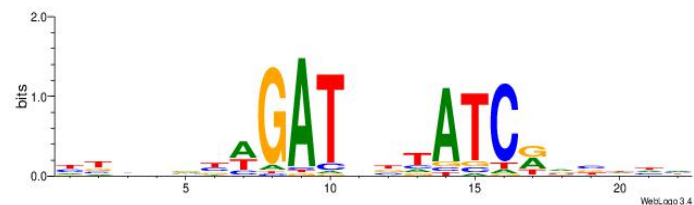
Motif ID:	UP00032
Motif name:	Gata3_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	14
Similarity score:	0.0527249

Alignment:

HBHDVBWGATHBTATCRVBHHH
 ----CCAGYYHVADCCRG----

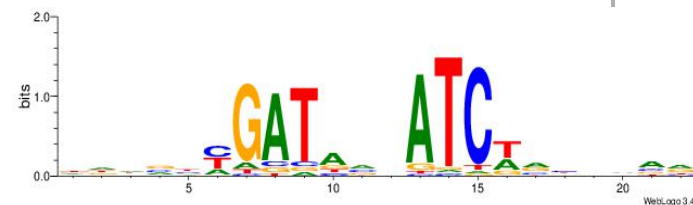
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVVH



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:

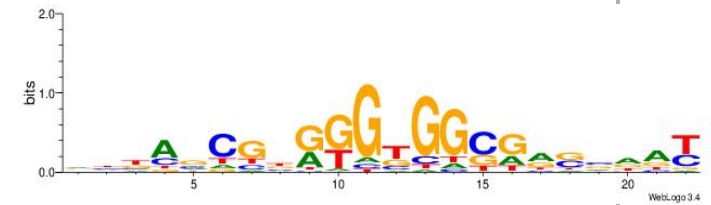
RTHBSYCGCCMCMYVCGBTVDH
 -----CCAGYYHVADCCRG

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Alignment:

```
HHGCCBBWGGDCDB
CCAGYYHVADCCRG
```

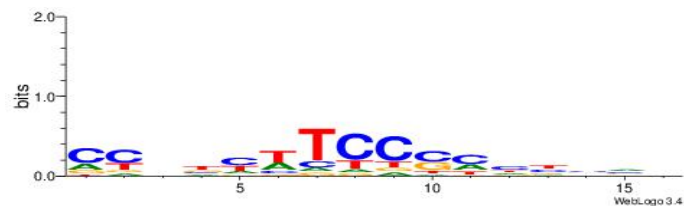
Motif ID: [UP00013](#)

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--

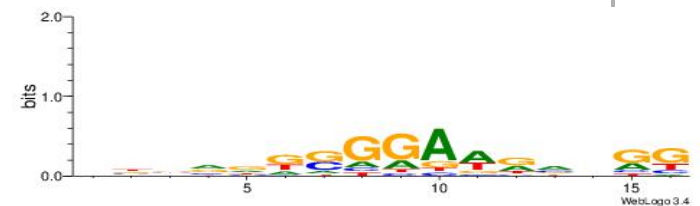
Original motif

Consensus sequence: CYDBYWTCCSMHBVVH



Reverse complement motif

Consensus sequence: DBVVDRSGGAWKVHKG



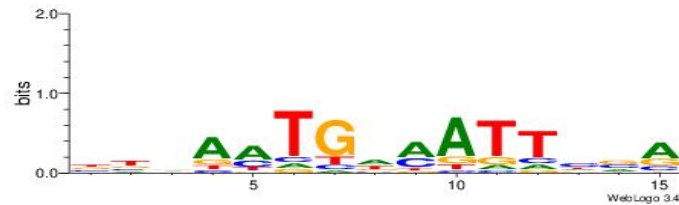
Motif ID: [UP00075](#)
 Motif name: Sox15_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0577636

Alignment:

BBVAATGDMATTHVA
-CCAGYYHVADCCRG

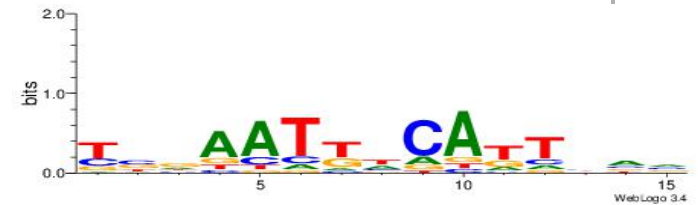
Original motif

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:

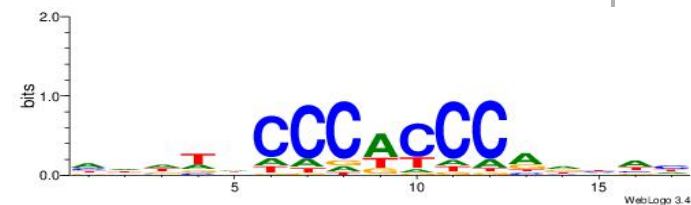
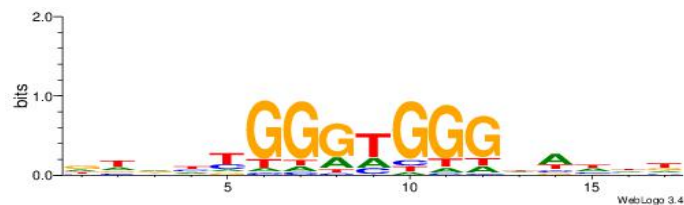
DDDHTGGGTGGGHAHHD
---CKGGDTBDMMCTGG

Original motif

Consensus sequence: DDDHTGGGTGGGHAHHD

Reverse complement motif

Consensus sequence: DHHTHCCCACCCAHHDDH



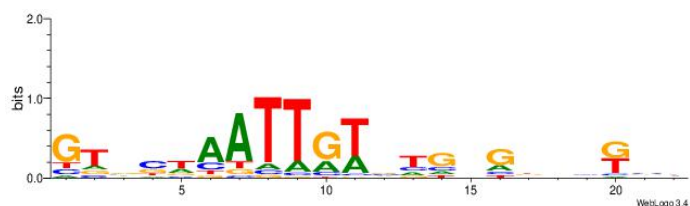
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0590238

Alignment:

VVYDDDCHCAVACAATTDBVAC
 --CCAGYYHVADCCRG-----

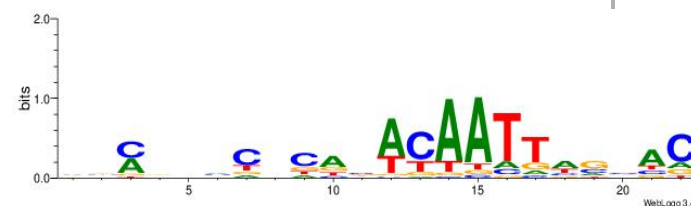
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Motif ID: [UP00540](#)

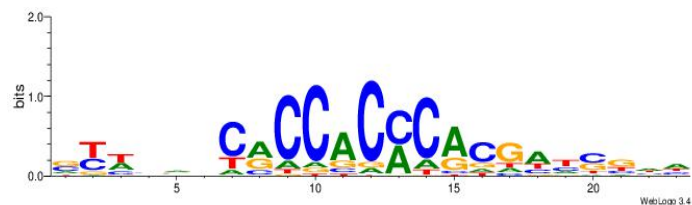
Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 9
 Number of overlap: 14
 Similarity score: 0.0596904

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 -----CCAGYYHVADCCRG--

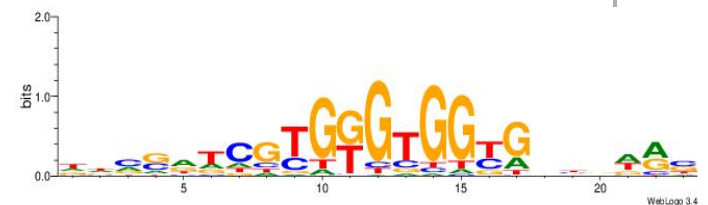
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



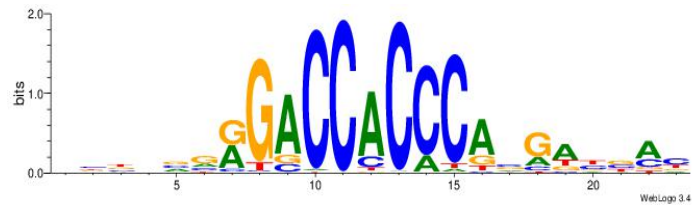
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0597695

Alignment:

BBBDVVRGACCACCCAVGABBAB
-----CCAGYYHVADCCRG

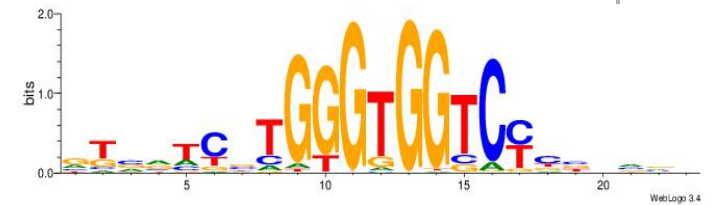
Original motif

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:

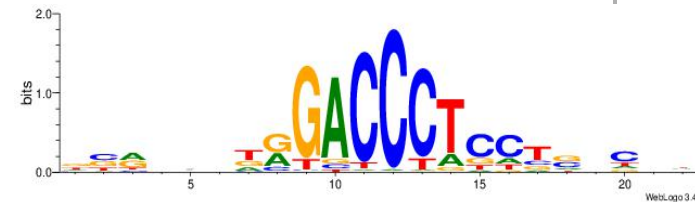
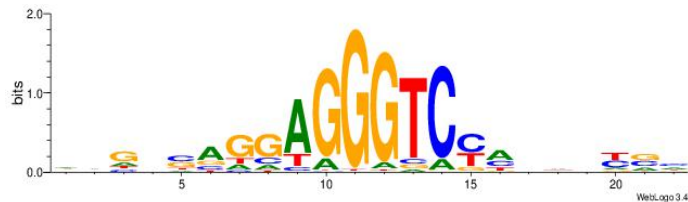
HVGVSAGGAGGGTCYHHHHYVH
-----CKGGDTBDMMCTGG-

Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH

Reverse complement motif

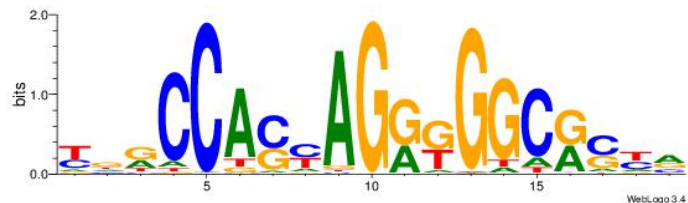
Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



Dataset #: 3 **Motif ID: 66** **Motif name: CTCF**

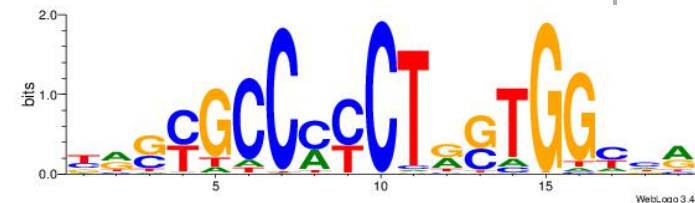
Original motif

Consensus sequence: YDRCCASYAGRKGGCRSYV



Reverse complement motif

Consensus sequence: BMSMGCCYMCTKSTGGMHM



Best Matches for Motif ID 66 (Highest to Lowest)

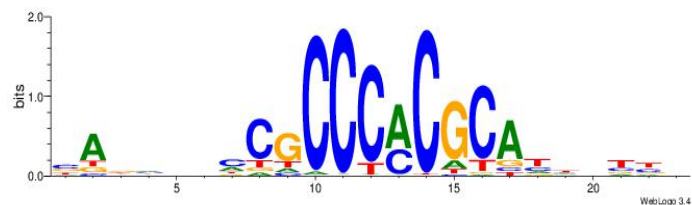
Motif ID:	UP00400
Motif name:	Zif268
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	19
Similarity score:	0.0409369

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
----BMSMGCCYMCTKSTGGMHM

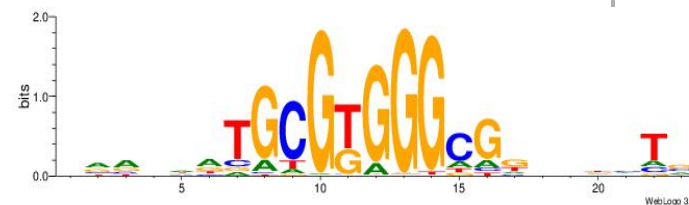
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



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:	19
Similarity score:	0.0409815

Alignment:

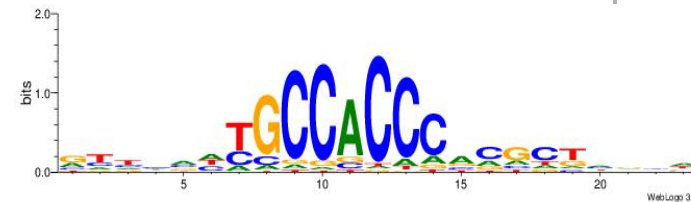
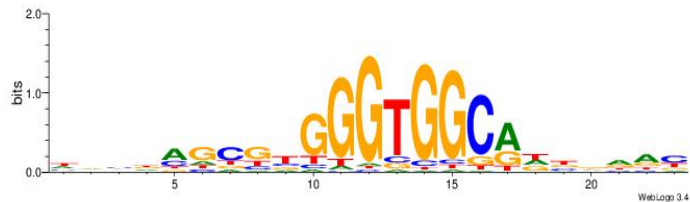
HVBDAGCGBGGGTGGCRDBDDDB
-YDRCCASYAGRKGGCRSYV---

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



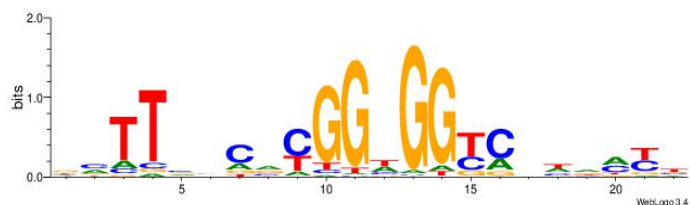
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 19
 Similarity score: 0.0431951

Alignment:

VMYDHDGMCCHCCKBGVVAHVH
 ---BMSMGCCYMCTKSTGGMHM

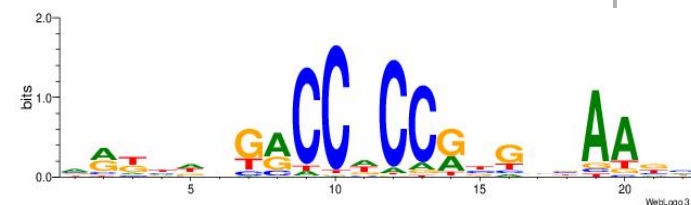
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAHVH



Motif ID: [UP00539](#)

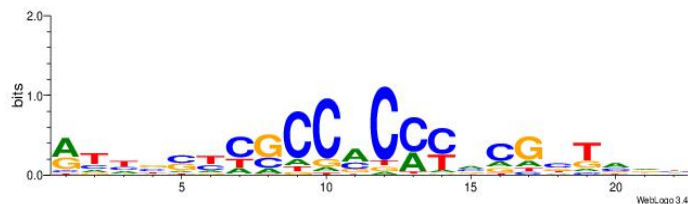
Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 19
 Similarity score: 0.0469794

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 ---BMSMGCCYMCTKSTGGMHM

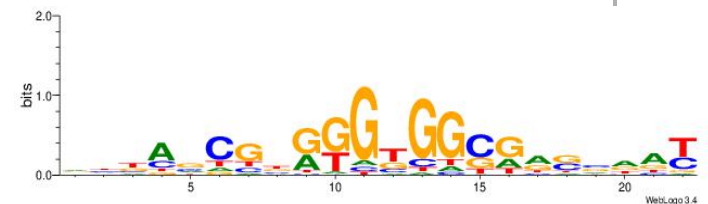
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

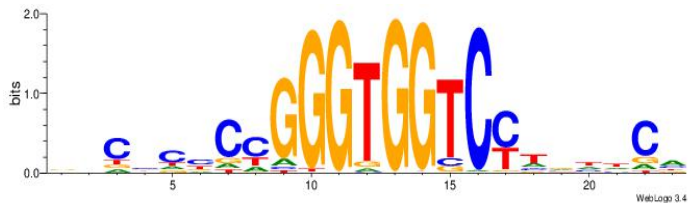


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 19

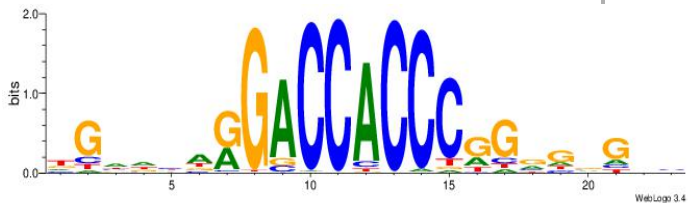
Similarity score: 0.0482204

Alignment:
BHCBCBCCGGGTGGTCYHVHDCH
YDRCCASYAGRKGGRSYV----

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB

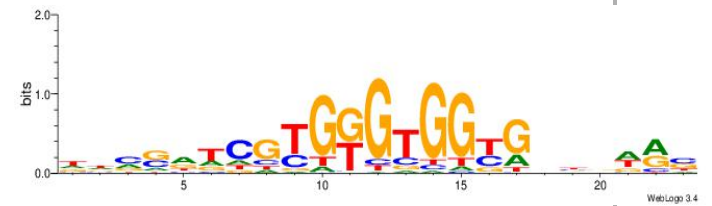


Motif ID: [UP00540](#)
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 19
Similarity score: 0.0491604

Alignment:
HHBSHTCGTGRGTGGKGDBVWMV
-YDRCCASYAGRKGGRSYV---

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

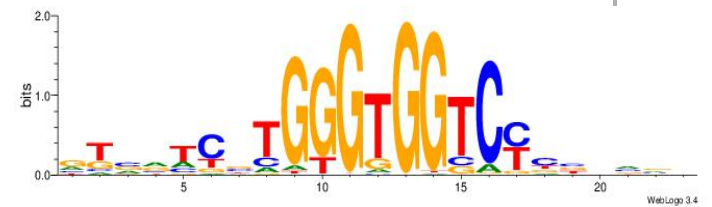
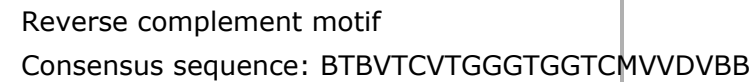
Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Alignment:

```
BBBDVVRGACCACCCAVGABBAB
---BMSGCCYMCTKSTGGMHM-
```

Consensus sequence: BBBDVVRGACCACCAVGABBAB



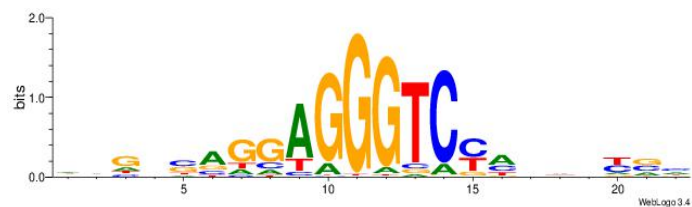
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 19
 Similarity score: 0.0520741

Alignment:

HVGVSAGGAGGGTCYHHHHYVH
 YDRCCASYAGRKGGCRSYV---

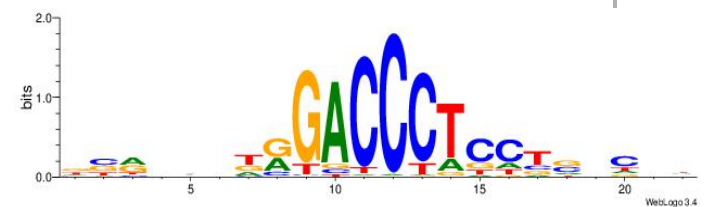
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH

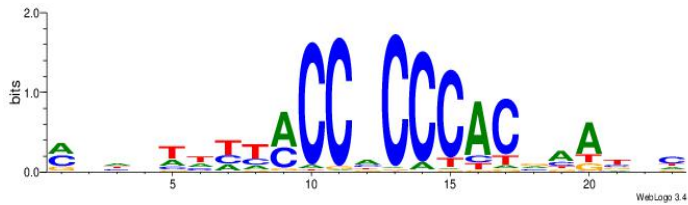


Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5

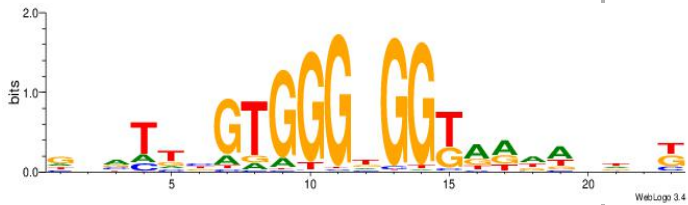
Number of overlap: 19
Similarity score: 0.0532334

Alignment:
DVVTTVGTGGGHGGYAMHWHHHY
YDRCCASYAGRKGCCRSYV----

Original motif
Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif
Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY

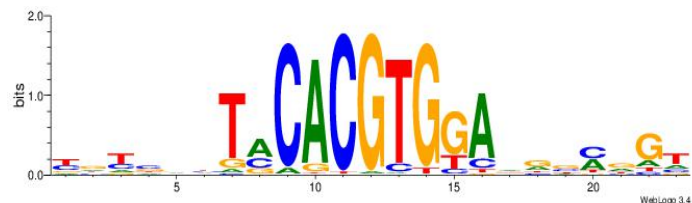


Motif ID: [UP00050](#)
Motif name: Bhlhb2_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 19
Similarity score: 0.0535675

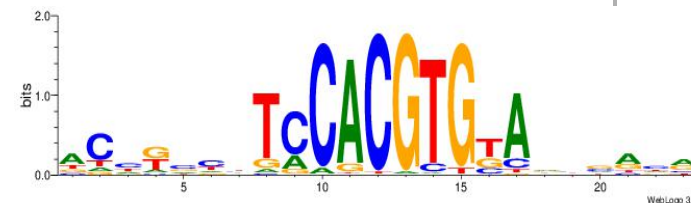
Alignment:
ACHRBHDTCCACGTGYAHBMBHM
--BMSMGCCYMCTKSTGGMHM--

Original motif
Reverse complement motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



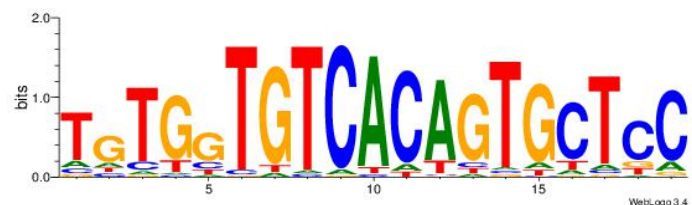
Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



Dataset #: 4 **Motif ID: 67** **Motif name: TgTGgTGTCACAGTGCTCC**

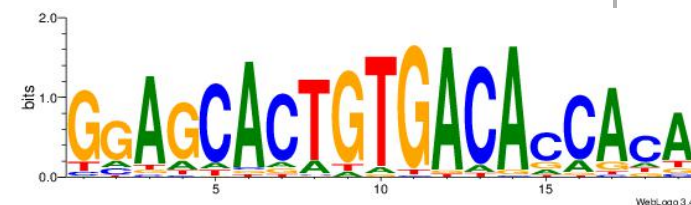
Original motif

Consensus sequence: TGTGGTGTACAGTGCTCC



Reverse complement motif

Consensus sequence: GGAGCACTGTGACACCACA



Best Matches for Motif ID 67 (Highest to Lowest)

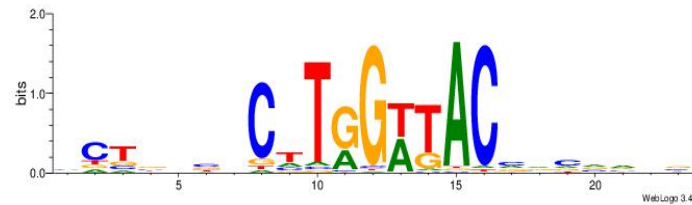
Motif ID:	UP00098
Motif name:	Rfx3_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	19
Similarity score:	0.043204

Alignment:

BDBBVBVGTAWCCAAGVBHBAGB
---TGTGGTGTACAGTGCTCC-

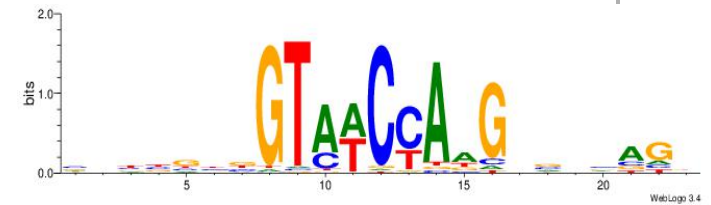
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



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:	6
Number of overlap:	18
Similarity score:	0.553914

Alignment:

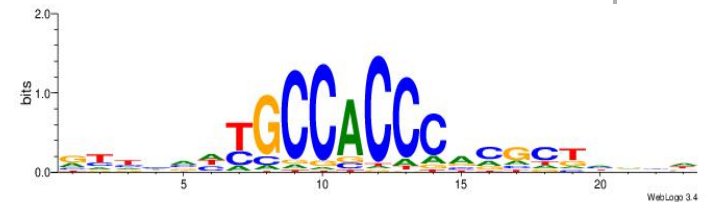
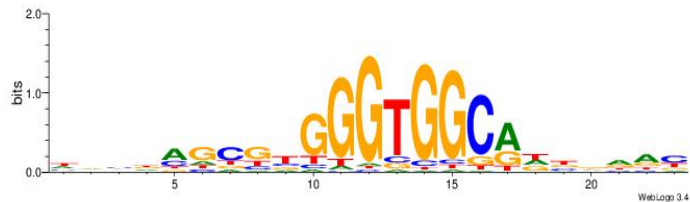
HVBDAGCGBGGGTGGCRDBDDDB-
-----TGTGGTGTACAGTGCTCC

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

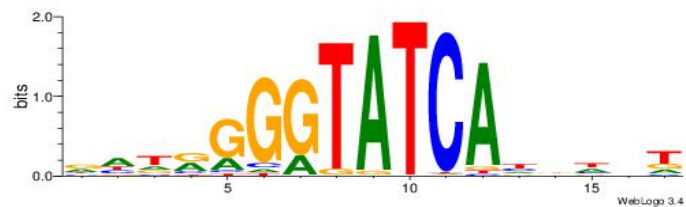
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



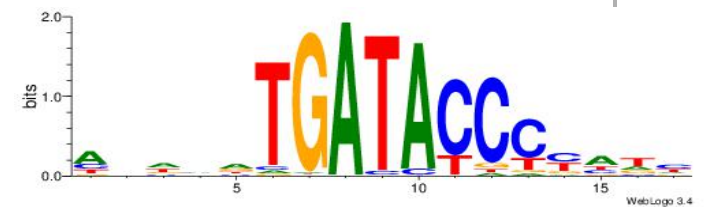
Motif ID: [UP00192](#)
 Motif name: Six1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 17
 Similarity score: 1.04528

Alignment:
 AVHDHTGATACCCMDHH--
 --GGAGCACTGTGACACCACA

Original motif
 Consensus sequence: DHDRGGGTATCAHDHBT



Reverse complement motif
 Consensus sequence: AVHDHTGATACCCMDHH



Motif ID: [UP00193](#)
 Motif name: Rhox11_2205.1

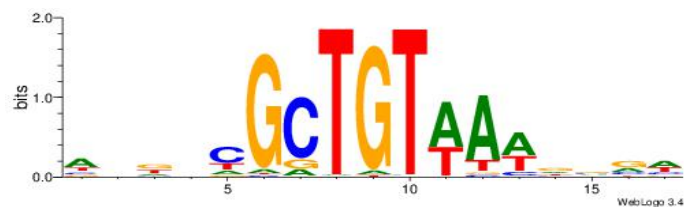
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 17
Similarity score: 1.0459

Alignment:

--AVDHCGCTGTWAWDVVW
TGTGGTGTACAGTGCTCC

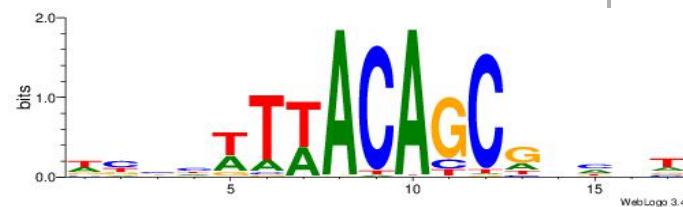
Original motif

Consensus sequence: AVDHCGCTGTWAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGHHVT



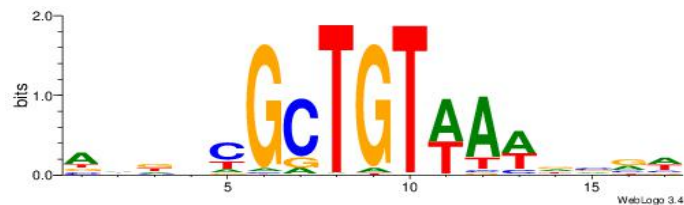
Motif ID: [UP00193](#)
Motif name: Rhox11_1765.2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 17
Similarity score: 1.0462

Alignment:

--WVVHWTWACAGCGBHBT
TGTGGTGTACAGTGCTCC

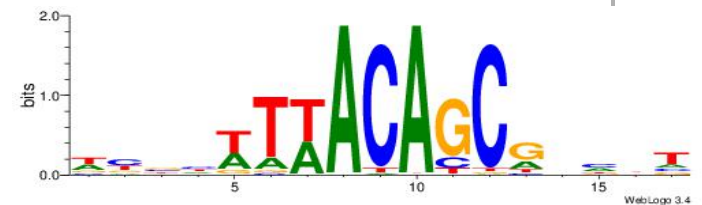
Original motif

Consensus sequence: AVDVCGCTGTAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGBHBT



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:

Backward

Position number:

3

Number of overlap:

17

Similarity score:

1.04631

Alignment:

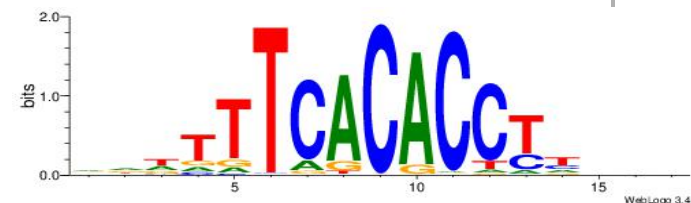
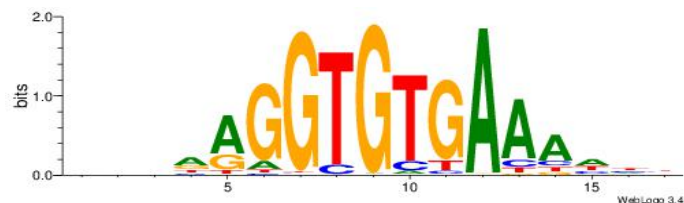
--HHHTTTCACACCTDHBV
GGAGCACTGTGACACCACA--

Original motif

Consensus sequence: BVHDAGGTGTGAAHHH

Reverse complement motif

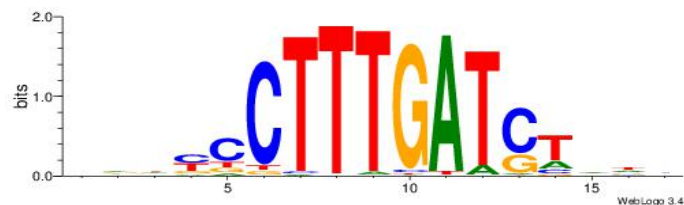
Consensus sequence: HHHTTTCACACCTDHBV



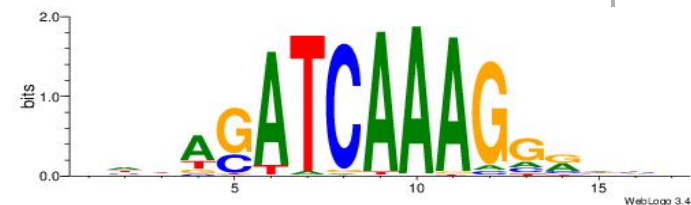
Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 17
 Similarity score: 1.04807

Alignment:
 VDDAGATCAAAGKDDD--
 -GGAGCACTGTGACACCACA

Original motif
 Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif
 Consensus sequence: VDDAGATCAAAGKDDD



Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary

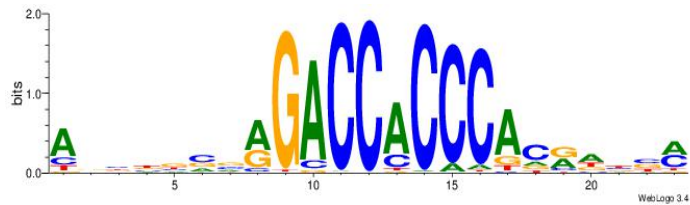
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 17
Similarity score: 1.04831

Alignment:

YBVDMSGTGGGTGGTCKVVBVBBT--
--GGAGCACTGTGACACCACA----

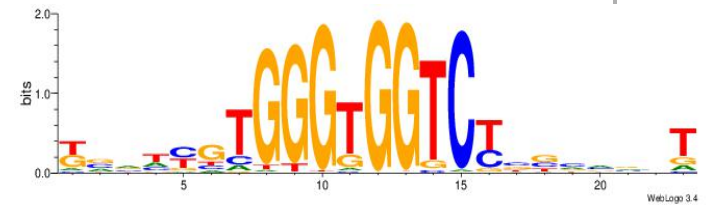
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMSGTGGGTGGTCKVVBVBBT



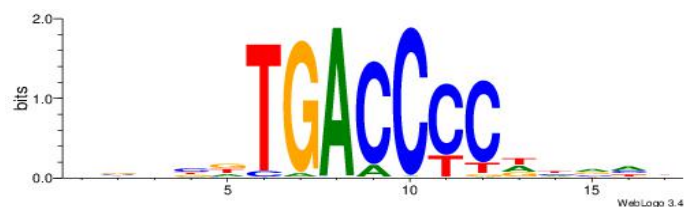
Motif ID: [UP00053](#)
Motif name: Rxra_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 17
Similarity score: 1.04867

Alignment:

--DBHBDTGACCCCDHVHB
TGTGGTGTACAGTGCTCC--

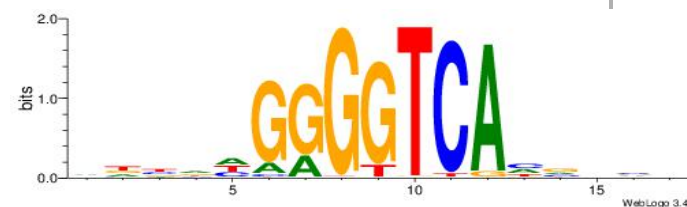
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHBD



Motif ID:	UP00388
Motif name:	Six6_2267.4
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:	17
Similarity score:	1.0491

Alignment:

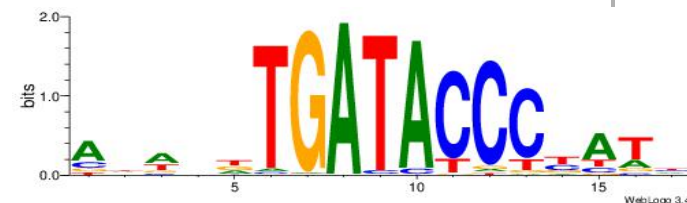
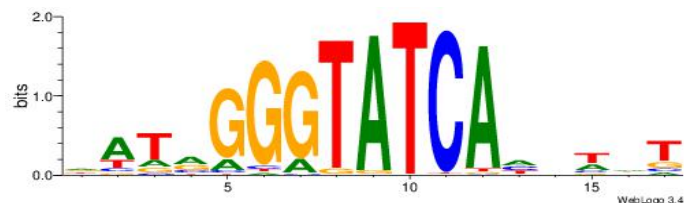
AHWDHTGATACCKATD--
--GGAGCACTGTGACACCACA

Original motif

Consensus sequence: DATRGGGTATCAHDWHT

Reverse complement motif

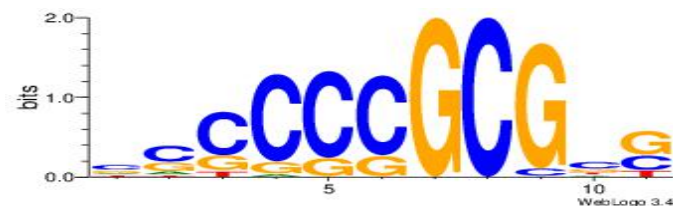
Consensus sequence: AHWDHTGATACCKATD



Dataset #: 4 Motif ID: 68 Motif name: sscCCCGCGcs

Original motif

Consensus sequence: BSCCCCGCGBS



Reverse complement motif

Consensus sequence: SBCGCGGGSB



Best Matches for Motif ID 68 (Highest to Lowest)

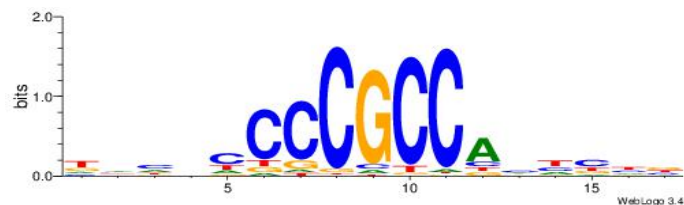
Motif ID:	UP00000
Motif name:	Smad3_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	11
Similarity score:	0.00934222

Alignment:

BHBHDTGGCGGGGBDHD
-----SBCGCGGGGSB--

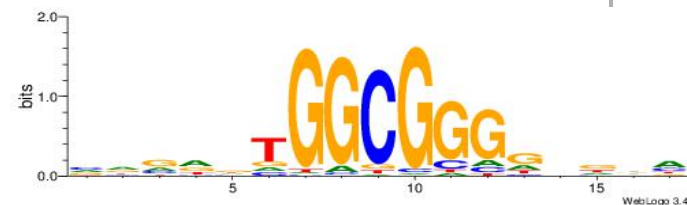
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD



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:	Forward
Position number:	2
Number of overlap:	11
Similarity score:	0.0105793

Alignment:

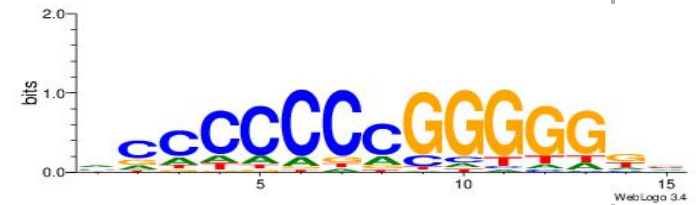
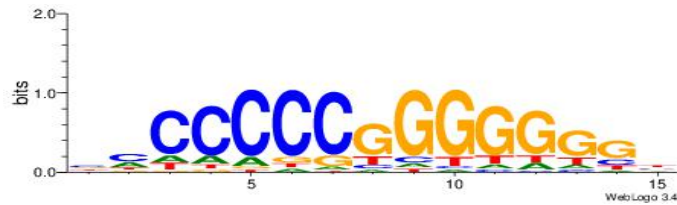
BMCCCCCGGGGGGB
-BCCCCGCGBS---

Original motif

Consensus sequence: BMCCCCCGGGGGGB

Reverse complement motif

Consensus sequence: VCCCCCGGGGGRB



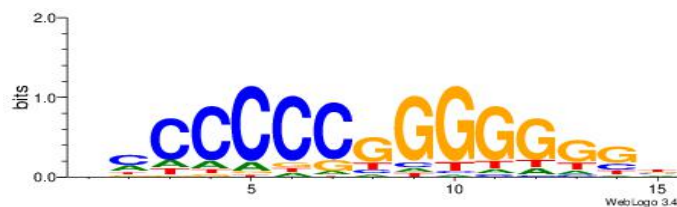
Motif ID: [UP00057](#)
 Motif name: Zic2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0112489

Alignment:

VCCCCCCCGGGGGRB
 ---SBCGCGGGGSB-

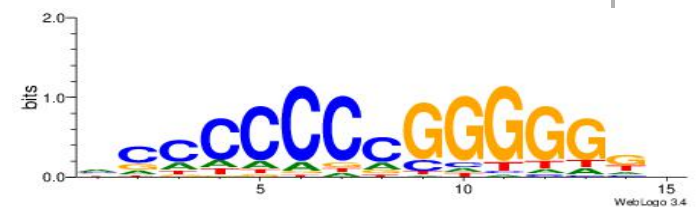
Original motif

Consensus sequence: BMCCCCCGGGGGGGB



Reverse complement motif

Consensus sequence: VCCCCCCCGGGGGRB



Motif ID: [UP00400](#)

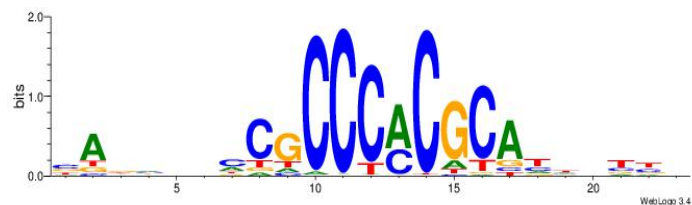
Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.014467

Alignment:

VVVDHHTGCGYGGGCGDHSVHHTB
 -----SBCGCGGGGSB-----

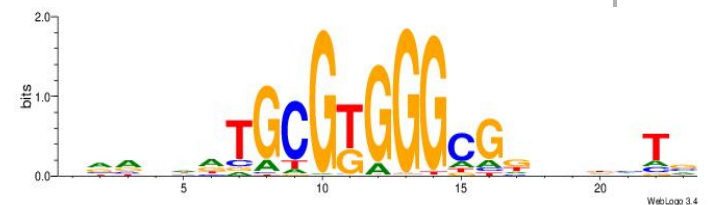
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB

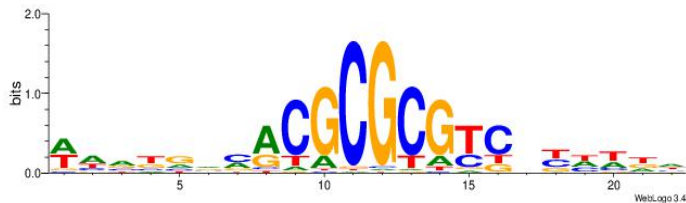


Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11

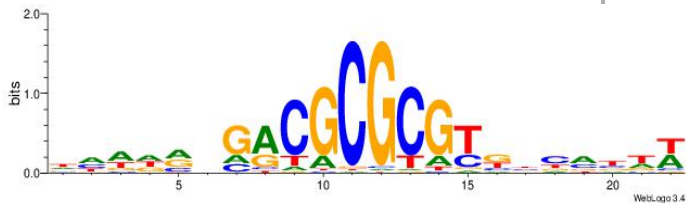
Similarity score: 0.0150561

Alignment:
HDWHMHGACGCGCGTRBVVBHW
-----SBCGCGGGGSB----

Original motif
Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif
Consensus sequence: HDWHMHGACGCGCGTRBVVBHW

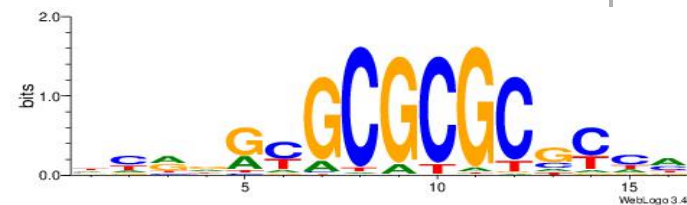
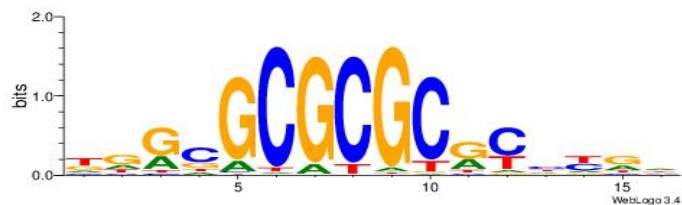


Motif ID: [UP00065](#)
Motif name: Zfp161_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0169049

Alignment:
DMMDGMGCGCGCGCHD
--BSCCCGCGBS---

Original motif
Consensus sequence: DDGCGCGCGCRCHYRD

Reverse complement motif
Consensus sequence: DMMDGMGCGCGCGCHD



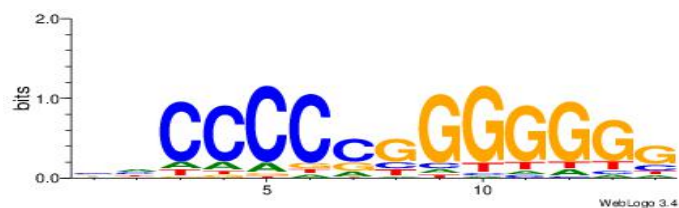
Motif ID: [UP00102](#)
 Motif name: Zic1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0186112

Alignment:

BHCCCCGGGGGGG
 -BCCCCGCGBS--

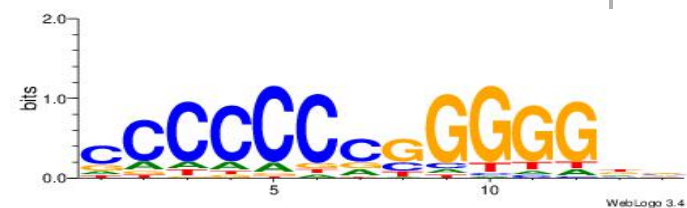
Original motif

Consensus sequence: BHCCCCGGGGGGG



Reverse complement motif

Consensus sequence: CCCCCCGGGGHB



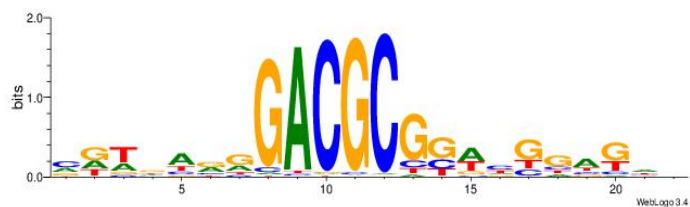
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 11
 Similarity score: 0.0192401

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
 ----BSCCCCGCGBS-----

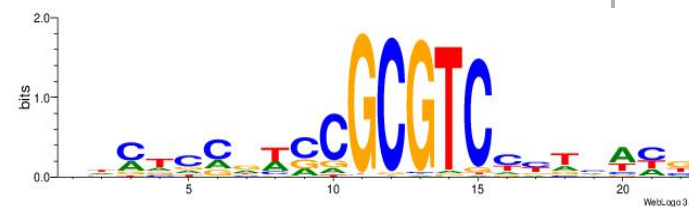
Original motif

Consensus sequence: VDW DARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



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: Backward
 Position number: 4

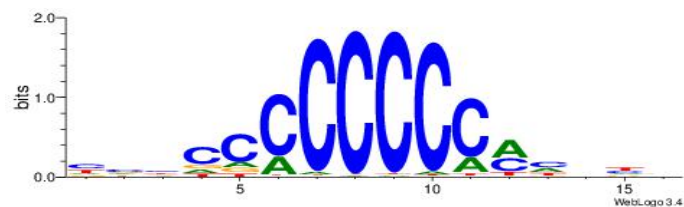
Number of overlap: 11
Similarity score: 0.0204596

Alignment:

BHHDYGGGGGGGBVD
--SBCGCGGGGSB---

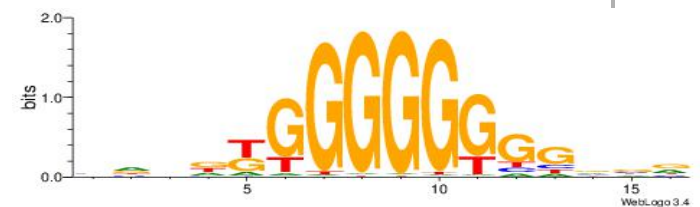
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGBVD



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: Backward
Position number: 5
Number of overlap: 11
Similarity score: 0.0232114

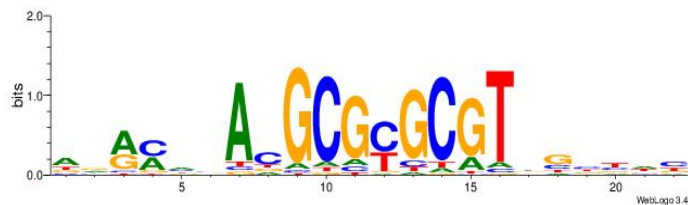
Alignment:

DDRMHBACGCGYCGTDGBBDB
-----SBCGCGGGGSB----

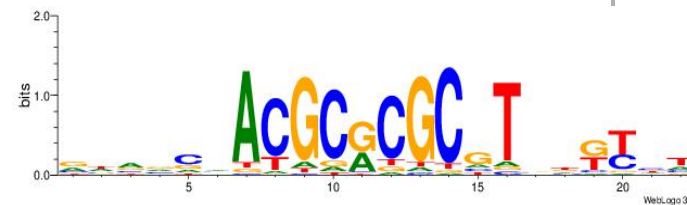
Original motif

Reverse complement motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



Dataset #: 4 **Motif ID: 69** **Motif name: atactttggc**

Original motif

Consensus sequence: ATACTTTGGC



Reverse complement motif

Consensus sequence: GCCAAAGTAT



Best Matches for Motif ID 69 (Highest to Lowest)

Motif ID:	UP00156
Motif name:	Msx2
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:	0.0221581

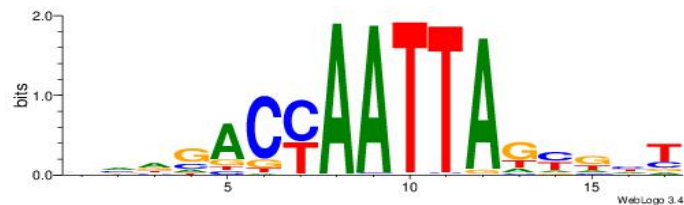
Alignment:

ADHKCTAATTGTCDBV

----ATACTTTGGC---

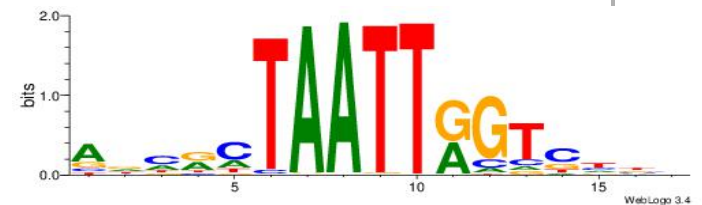
Original motif

Consensus sequence: VVDGACYAATTAGYDHT



Reverse complement motif

Consensus sequence: ADHKCTAATTGTCDBV



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:

6

Number of overlap:

10

Similarity score:

0.027519

Alignment:

HDTMCTTTGTSTVDBB

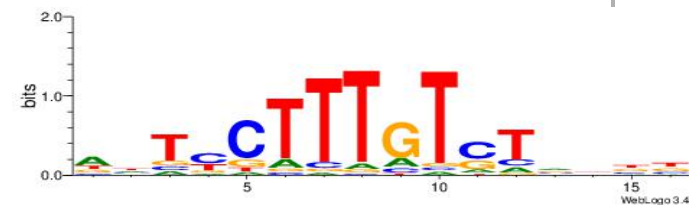
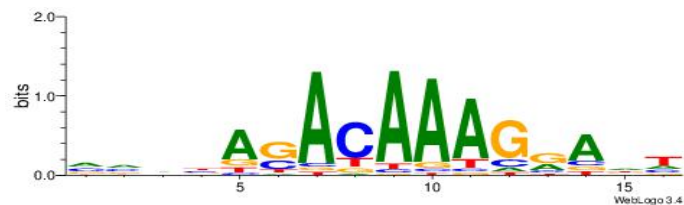
-ATACTTTGGC-----

Original motif

Consensus sequence: VVDBASACAAAGRADH

Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB

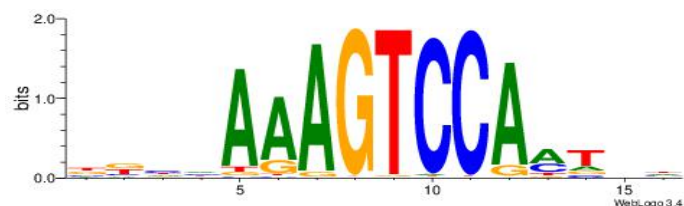


Motif ID: [UP00066](#)
 Motif name: Hnf4a_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0285786

Alignment:
 BBHHAAAGTCCAMTHH
 -GCCAAAGTAT-----

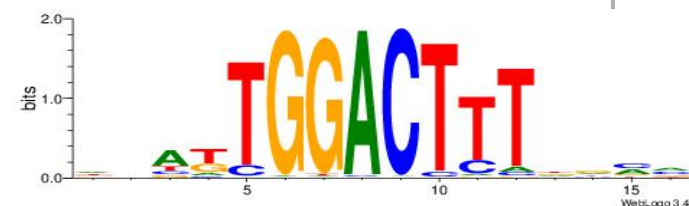
Original motif

Consensus sequence: BBHHAAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTHDBV



Motif ID: [UP00418](#)

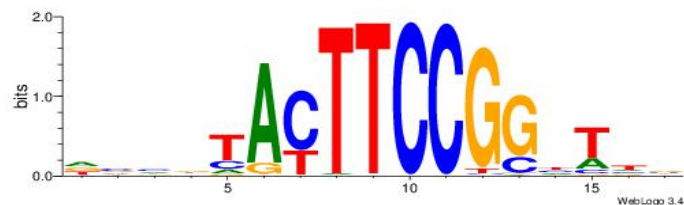
Motif name: Etv6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.030488

Alignment:

BHAHCCGGAAGTABDVD
 ----GCCAAAGTAT---

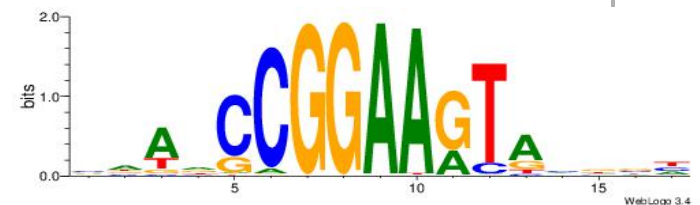
Original motif

Consensus sequence: DVHBTACTTCCGGHTHB



Reverse complement motif

Consensus sequence: BHAHCCGGAAGTABDVD



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: 3
 Number of overlap: 10

Similarity score: 0.0314685

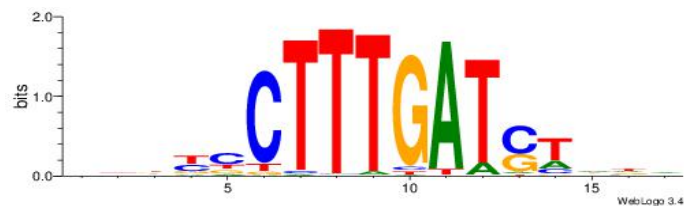
Alignment:

BDDASATCAAAGGMDDD

-----GCCAAAGTAT--

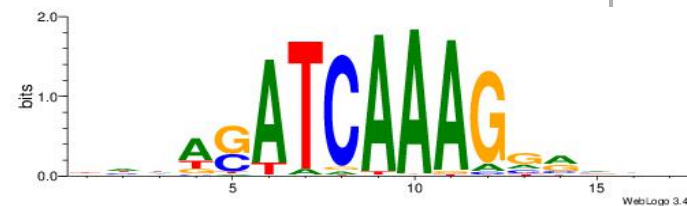
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDDD



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: 6

Number of overlap: 10

Similarity score: 0.0317293

Alignment:

HHBTMCTTTGTTMDDVH

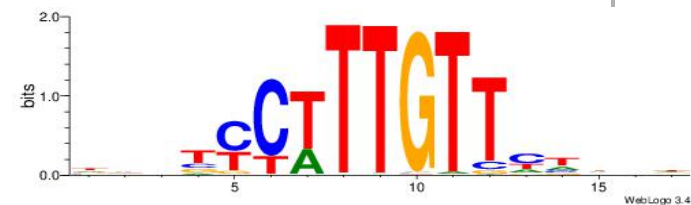
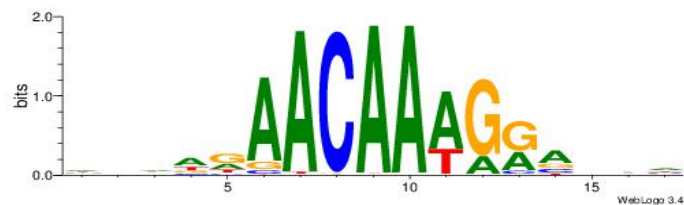
--ATACTTTGGC-----

Original motif

Consensus sequence: HBDDRAACAAAGRABHH

Reverse complement motif

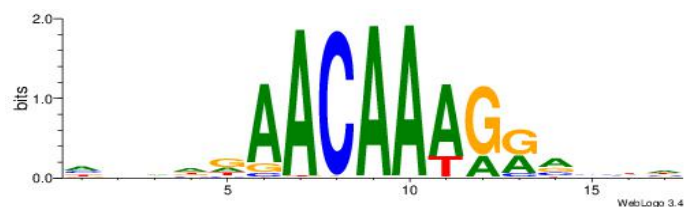
Consensus sequence: HHBTMCTTTGTTMDDVH



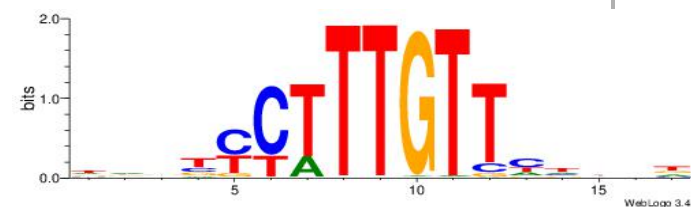
Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.031914

Alignment:
 HHBBMCTTTGTTHDDBH
 --ATACTTTGGC-----

Original motif
 Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif
 Consensus sequence: HHBBMCTTTGTTHDDBH



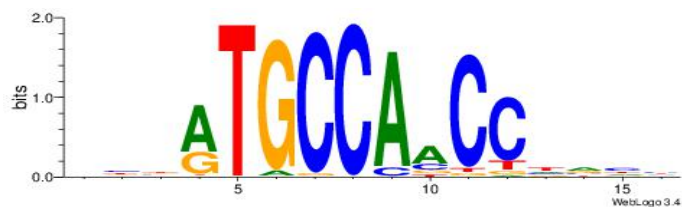
Motif ID: [UP00035](#)
 Motif name: Hic1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0323012

Alignment:

DBBATGCCAACCHVHH
 -----GCCAAAGTAT-

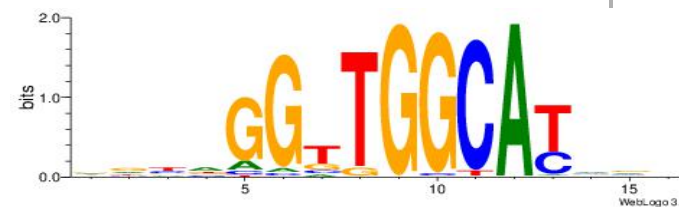
Original motif

Consensus sequence: DBBATGCCAACCHVHH



Reverse complement motif

Consensus sequence: DDBHGGTTGGCATVBD



Motif ID: [UP00146](#)
 Motif name: Pou6f1_3733.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

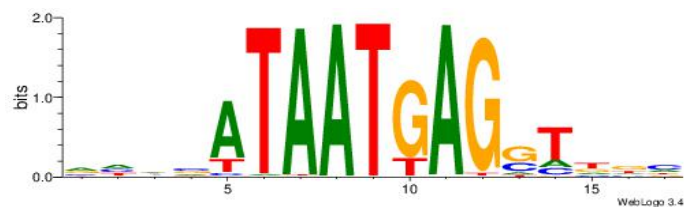
Number of overlap: 10
Similarity score: 0.032571

Alignment:

VHHVATAATGAGSTDDH
----ATACTTTGGC---

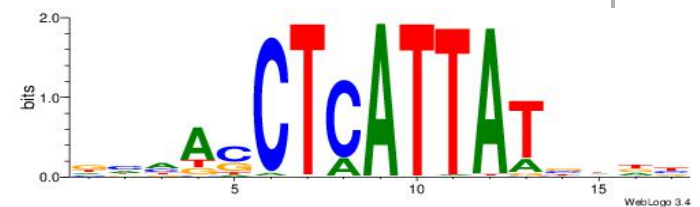
Original motif

Consensus sequence: VHHVATAATGAGSTDDH



Reverse complement motif

Consensus sequence: DHDASCTCATTATVHHB



Motif ID: [UP00067](#)
Motif name: Lef1_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: 10
Similarity score: 0.0330221

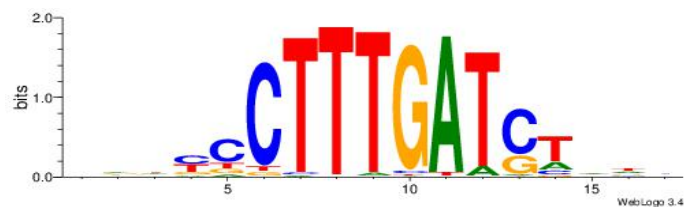
Alignment:

DDDYCCTTTGATCTDDV
--ATACTTTGGC-----

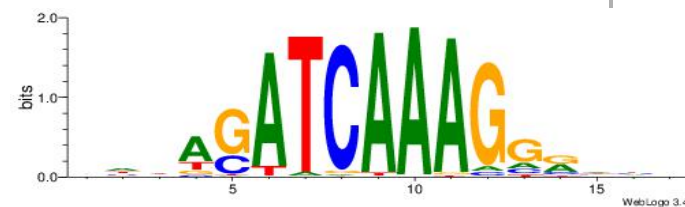
Original motif

Reverse complement motif

Consensus sequence: DDDYCCTTTGATCTDDV



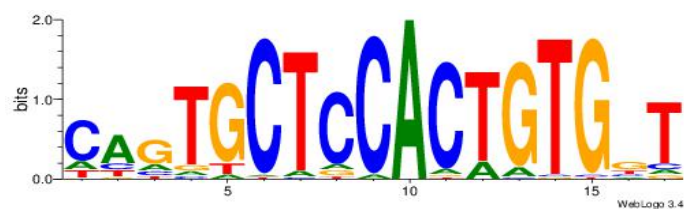
Consensus sequence: VDDAGATCAAAGKDDD



Dataset #: 4 **Motif ID: 70** **Motif name: CagTGCTCCACTGTGgT**

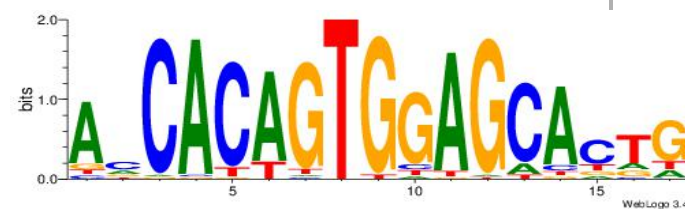
Original motif

Consensus sequence: CAGTGCTCCACTGTGBT



Reverse complement motif

Consensus sequence: ABCACAGTGGAGCACTG



Best Matches for Motif ID 70 (Highest to Lowest)

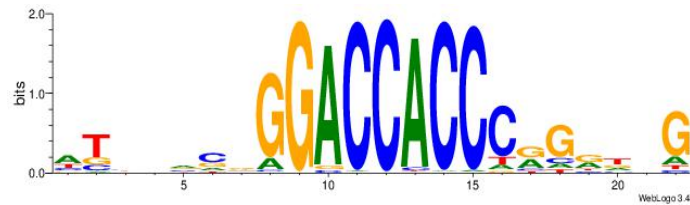
Motif ID:	UP00539
Motif name:	Gli2_v015681_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	17
Similarity score:	0.0419306

Alignment:

CBDMCMGGGTGGTCCHVBVBAH
--ABCACAGTGGAGCACTG---

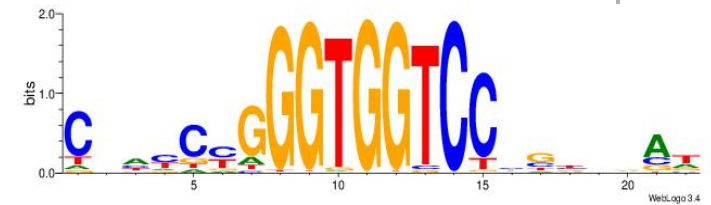
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



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:	1
Number of overlap:	17
Similarity score:	0.0501904

Alignment:

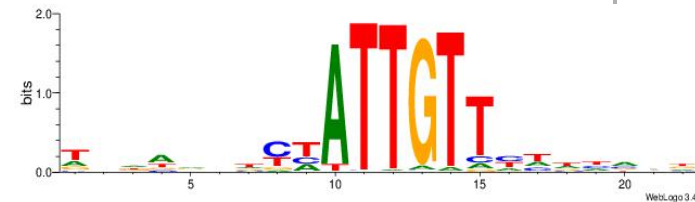
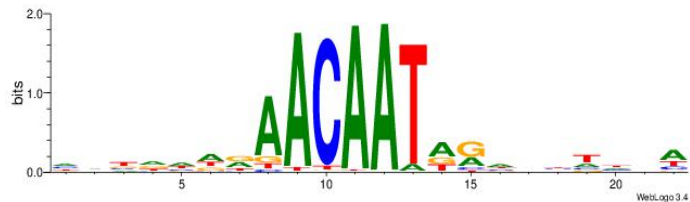
HHBDHDDAACAATDRHHHHHBW
-----ABCACAGTGGAGCACTG

Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW

Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH

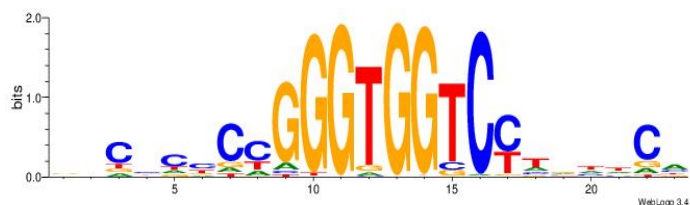


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 17
 Similarity score: 0.0504778

Alignment:
 HGDHVKHGACCACCCGGBGBGDB
 --CAGTGCTCCACTGTGBT-----

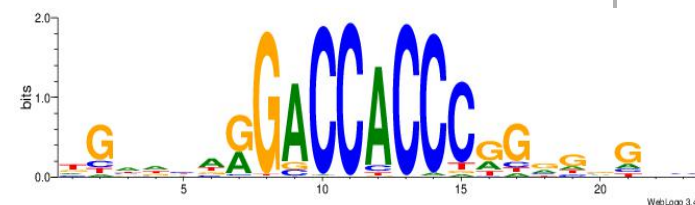
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif

Consensus sequence: HGDHVKHGACCACCCGGBGBGDB



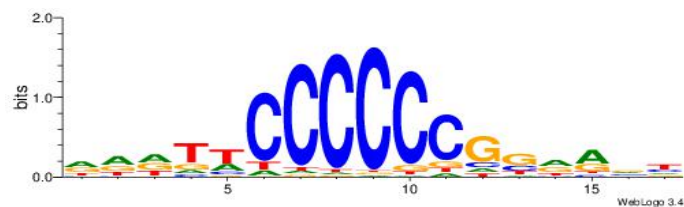
Motif ID: [UP00022](#)

Motif name: Zfp740_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: 0.0513094

Alignment:
DDDTWCCCCCGGDRVH
CAGTGCTCCACTGTGBT

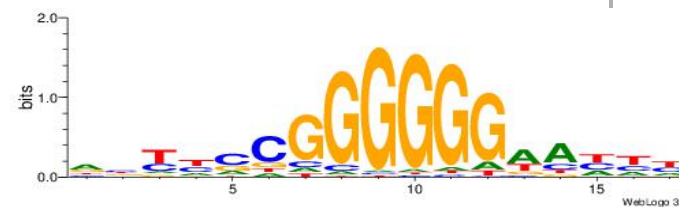
Original motif

Consensus sequence: DDDTWCCCCCGGDRVH



Reverse complement motif

Consensus sequence: HVKDCCGGGGGGWADDD



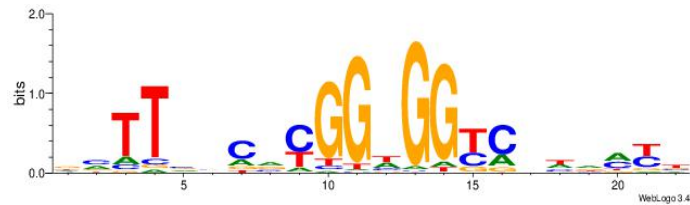
Motif ID: [UP00540](#)
Motif name: Gli3_v015681_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 17
Similarity score: 0.0516506

Alignment:

VMYDHDGMCCHCCKBGVVAHVH
-CAGTGCTCCACTGTGBT-----

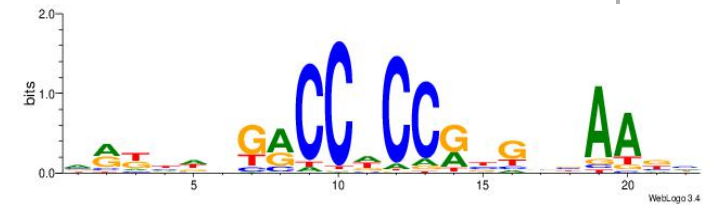
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAHVH



Motif ID:	UP00528
Motif name:	Foxm1_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:	17
Similarity score:	0.0523515

Alignment:

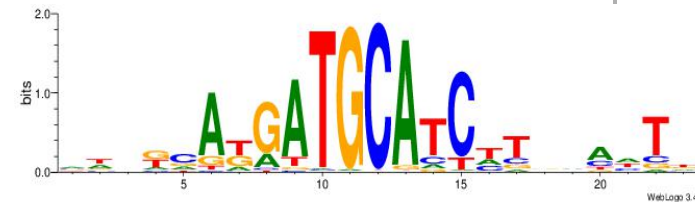
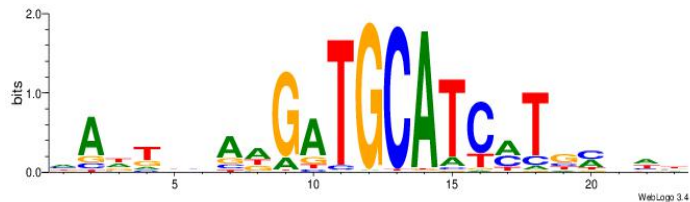
VHVRCAYGATGCATCDTVVADTH
--ABCACAGTGGAGCACTG-----

Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB

Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH

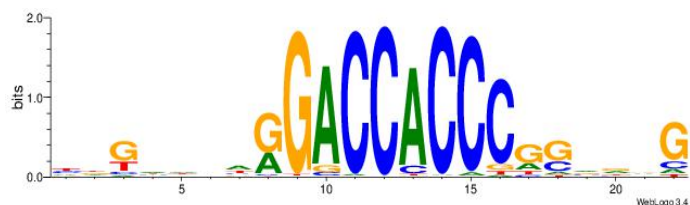


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 17
 Similarity score: 0.053668

Alignment:
 CVHBSCGGGTGGTCMHVHHCDH
 --ABCACAGTGGAGCACTG---

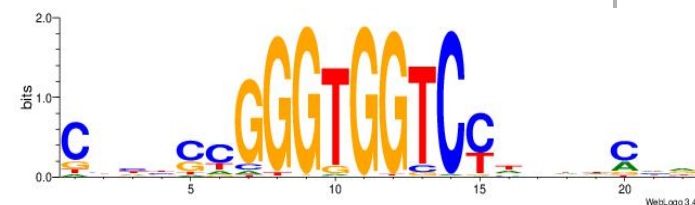
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



Motif ID: [UP00050](#)

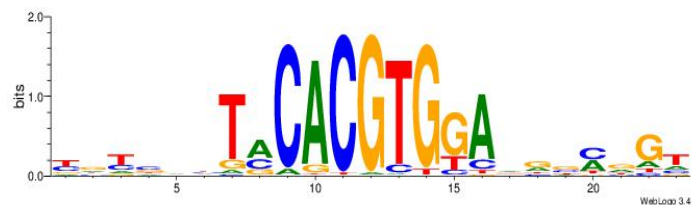
Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 17
 Similarity score: 0.0539016

Alignment:

YDYBDHTMCACGTGGADDBMDGT
 -----ABCACAGTGGAGCACTG-

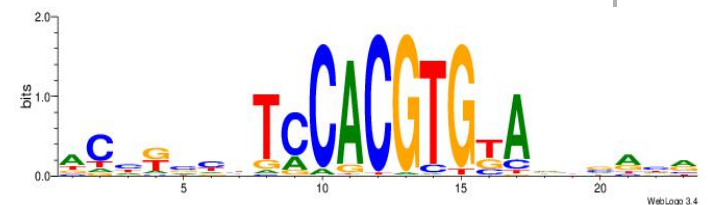
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



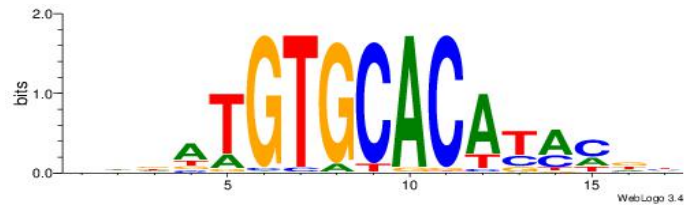
Motif ID: [UP00042](#)
 Motif name: Gm397_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0558205

Alignment:

HHRTATGTGCACATHHD
ABCACAGTGGAGCACTG

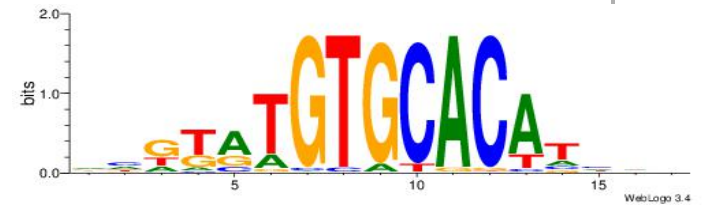
Original motif

Consensus sequence: HHDATGTGCACATAMDH



Reverse complement motif

Consensus sequence: HHRTATGTGCACATHHD



Motif ID:	UP00526
Motif name:	Foxn1_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:	17
Similarity score:	0.0558674

Alignment:

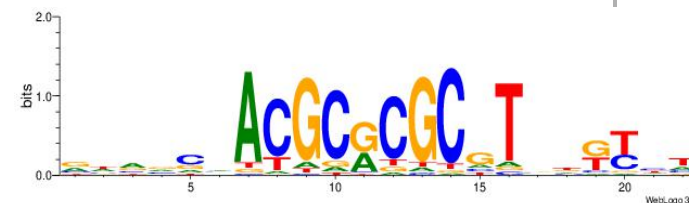
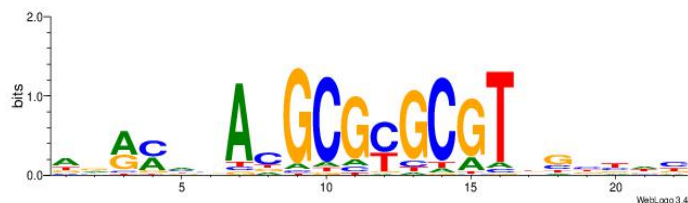
BDVBCDACGCKCGCGTBHRKHD
----CAGTGCTCCACTGTGBT-

Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB

Reverse complement motif

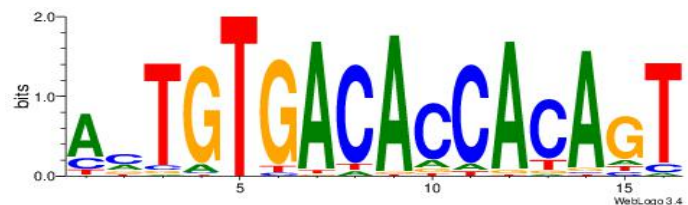
Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



Dataset #: 4 Motif ID: 71 Motif name: AmTGTGACACCACAGT

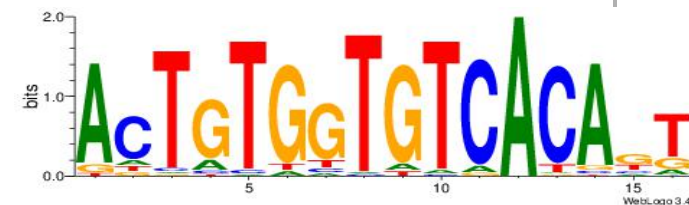
Original motif

Consensus sequence: AMTGTGACACCACAGT



Reverse complement motif

Consensus sequence: ACTGTGGTGTACART



Best Matches for Motif ID 71 (Highest to Lowest)

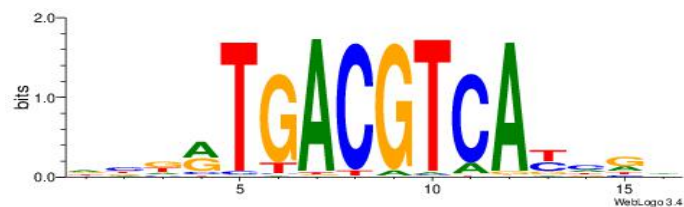
Motif ID:	UP00020
Motif name:	Atf1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	16
Similarity score:	0.0273934

Alignment:

```
DBDRTGACGTCAYHRD
AMTGTGACACCACAGT
```

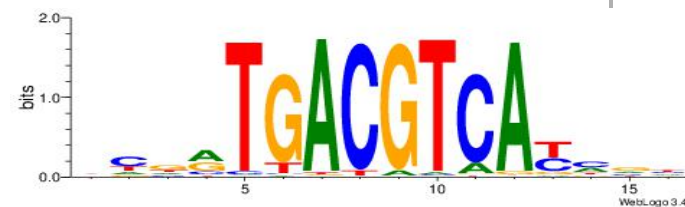
Original motif

Consensus sequence: DBDRTGACGTCAYHRD



Reverse complement motif

Consensus sequence: DMDMTGACGTCaKHBD



Motif ID:

[UP00159](#)

Motif name:

Six2

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:

0.0303245

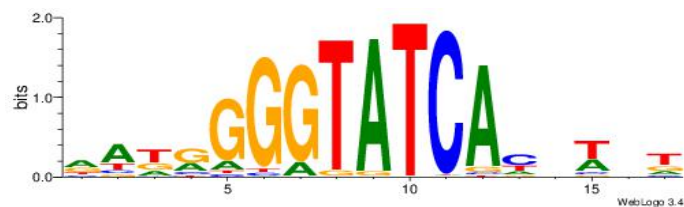
Alignment:

AHWDGTGATACCCMRTD

-AMTGTGACACCACAGT

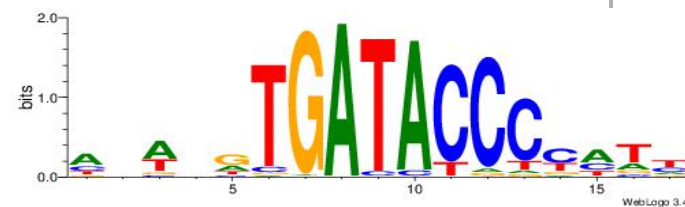
Original motif

Consensus sequence: DAKRGGGTATCACDWHT



Reverse complement motif

Consensus sequence: AHWDGTGATACCCMRTD



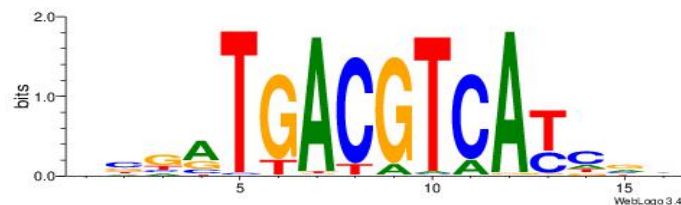
Motif ID: [UP00103](#)
Motif name: Jundm2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 16
Similarity score: 0.0344928

Alignment:

BBGATGACGTCAYCVH
AMTGTGACACCACAGT

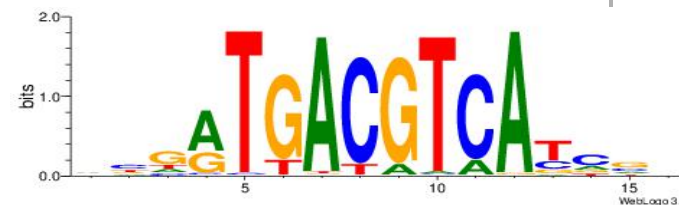
Original motif

Consensus sequence: BBGATGACGTCAYCVH



Reverse complement motif

Consensus sequence: HVGMTGACGTCATCBB



Motif ID: [UP00122](#)
Motif name: Tgif1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward

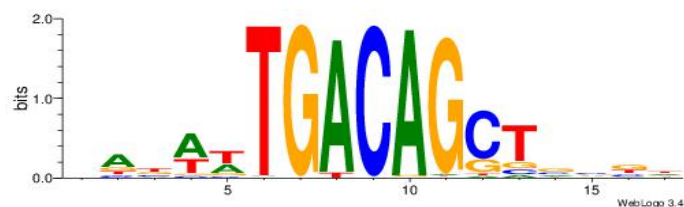
Position number: 1
Number of overlap: 16
Similarity score: 0.0348371

Alignment:

DBVVAGCTGTCAWWVTH
ACTGTGGTGTACART-

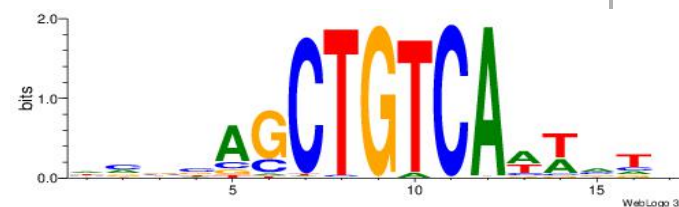
Original motif

Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



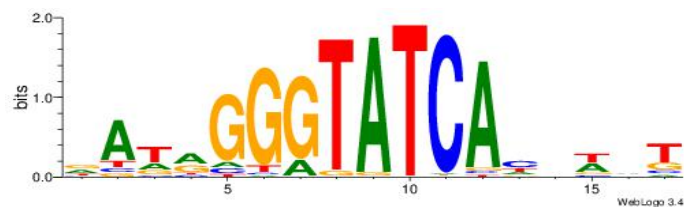
Motif ID: [UP00195](#)
Motif name: Six3
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 16
Similarity score: 0.0349083

Alignment:

DATRGGGTATCAHHWHT
ACTGTGGTGTACART-

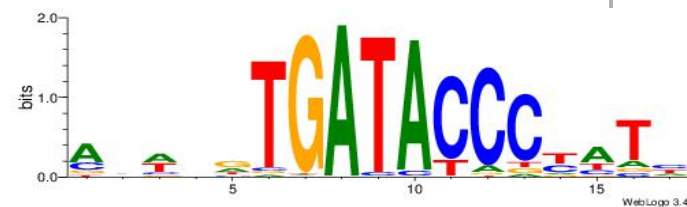
Original motif

Consensus sequence: DATRGGGTATCAHHWHT



Reverse complement motif

Consensus sequence: AHWHTGATACCCCKATH



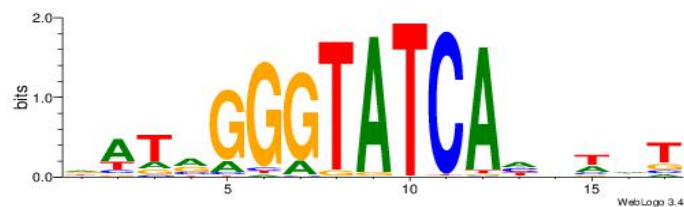
Motif ID: [UP00388](#)
Motif name: Six6_2267.4
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 16
Similarity score: 0.0354092

Alignment:

DATRGGGTATCAHDWHT
ACTGTGGTGTCACART-

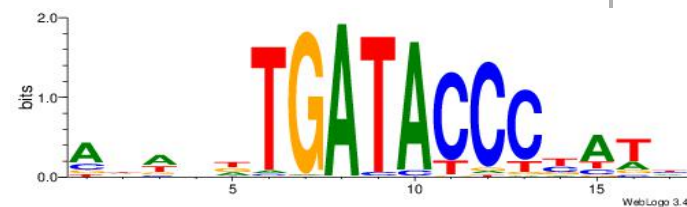
Original motif

Consensus sequence: DATRGGGTATCAHDWHT



Reverse complement motif

Consensus sequence: AHWHTGATACCCCKATD

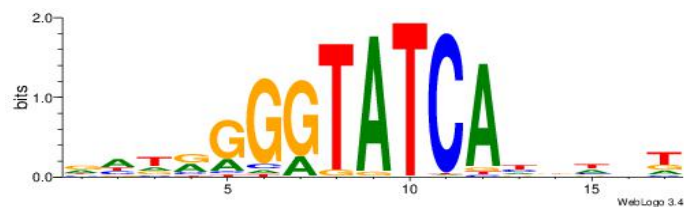


Motif ID: [UP00192](#)
Motif name: Six1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 16
Similarity score: 0.0354313

Alignment:
AVHDHTGATACCCMDHH
ACTGTGGTGTACART-

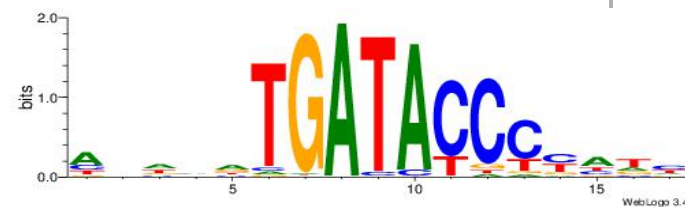
Original motif

Consensus sequence: DHDRGGGTATCAHDBT



Reverse complement motif

Consensus sequence: AVHDHTGATACCCMDHH



Motif ID: [UP00199](#)
Motif name: Six4
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2

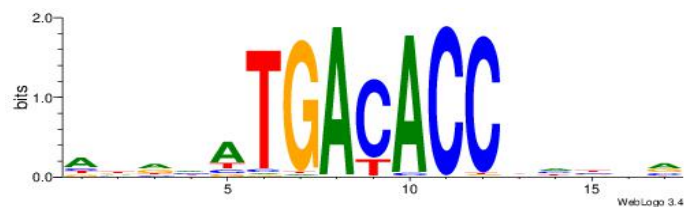
Number of overlap: 16
Similarity score: 0.0355151

Alignment:

ADDHATGACACCBHBBV
-AMTGTGACACCACAGT

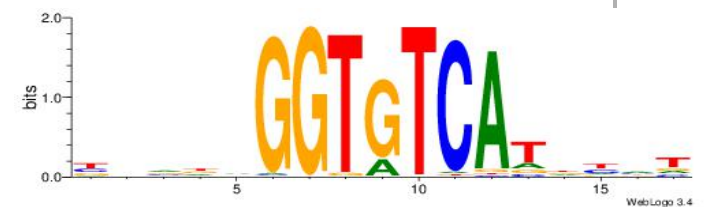
Original motif

Consensus sequence: ADDHATGACACCBHBBV



Reverse complement motif

Consensus sequence: BBVHVGGTGTCAHDDT



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: 2
Number of overlap: 16
Similarity score: 0.0362492

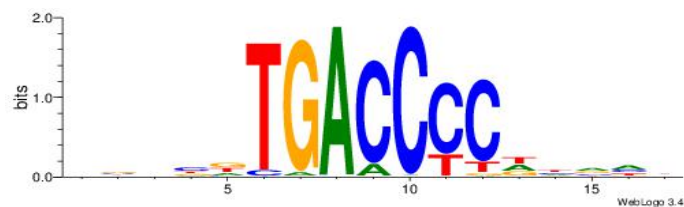
Alignment:

DBHBDTGACCCCDHVHB
-AMTGTGACACCACAGT

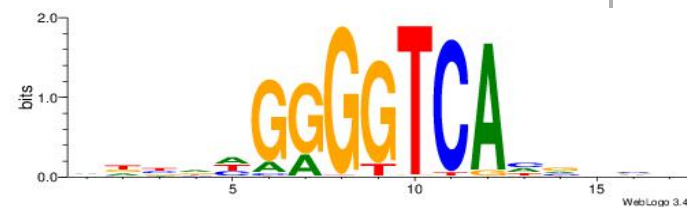
Original motif

Reverse complement motif

Consensus sequence: DBHBDTGACCCCDHVHB



Consensus sequence: VHBHDGGGGTCAHBHBD



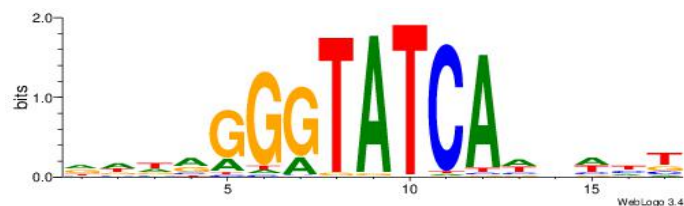
Motif ID: [UP00388](#)
Motif name: Six6_2267.5
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 16
Similarity score: 0.0374881

Alignment:

DDRGGGTATCAWHWHT
-AMTGTGACACCACAGT

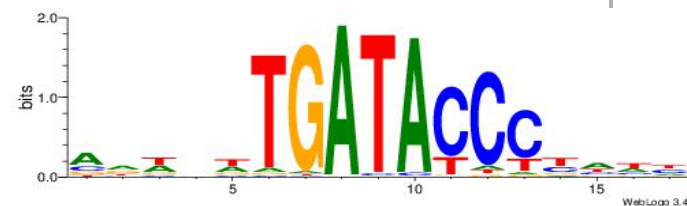
Original motif

Consensus sequence: DDRGGGTATCAWHWHT



Reverse complement motif

Consensus sequence: AHWHTGATACCKDDD



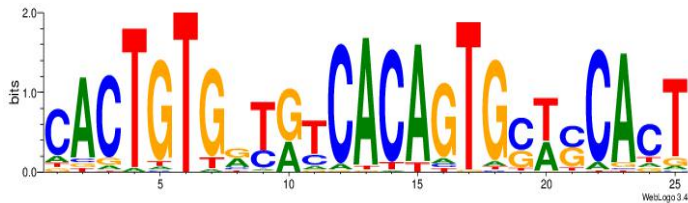
Dataset #: 4

Motif ID: 72

Motif name: CACTGTGrYrtCACAGTGswsCAcT

Original motif

Consensus sequence: CACTGTGRTRTCACAGTGSWSCACT



Best Matches for Motif ID 72 (Highest to Lowest)

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:	2
Number of overlap:	21
Similarity score:	0.0558366

Alignment:

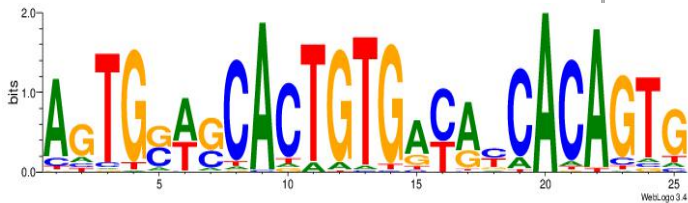
----HHBDHDDAACAATDRHHHHHBW
CACTGTGRTRTCACAGTGSWSCACT-

Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW

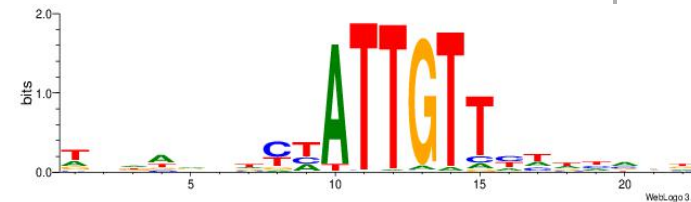
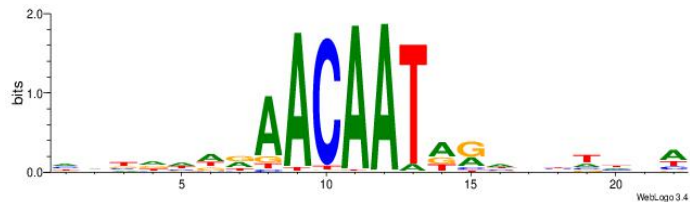
Reverse complement motif

Consensus sequence: AGTGSWSCACTGTGAMAMCACAG



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



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: 3
 Number of overlap: 20
 Similarity score: 0.55477

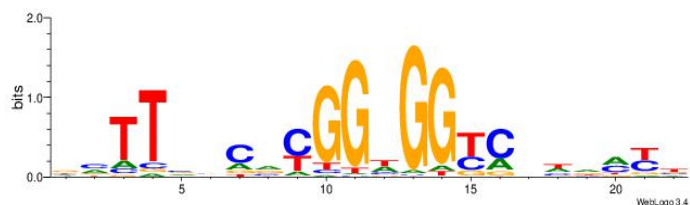
Alignment:

```

VMYDHDGMCCHCCKBGVVAHV-----
--AGTGSWSCACTGTGAMAMCACAGTG
  
```

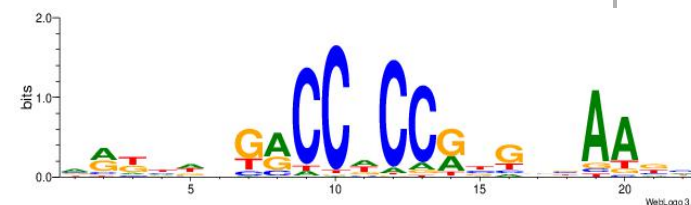
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAHV



Motif ID: [UP00539](#)

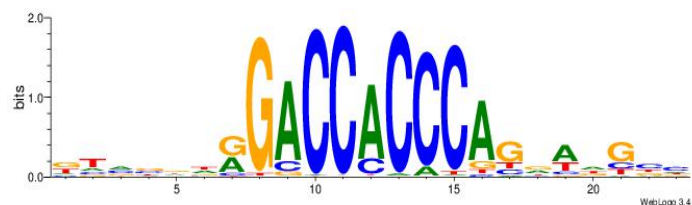
Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 19
 Similarity score: 1.05722

Alignment:

DBCDWHCTGGGTGGTCMDHBBAH-----
 -----AGTGSWSCACTGTGAMAMCACAGTG

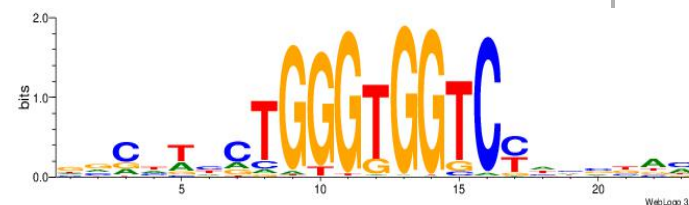
Original motif

Consensus sequence: DTVBDDRGACCACCCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



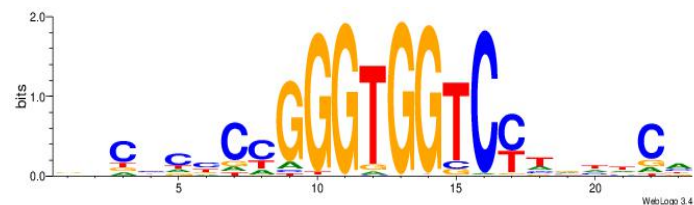
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 19
 Similarity score: 1.05946

Alignment:

HGDHVHKGACCACCCGGBGBGDB-----
 -----AGTGSWSCACTGTGAMAMCACAGTG

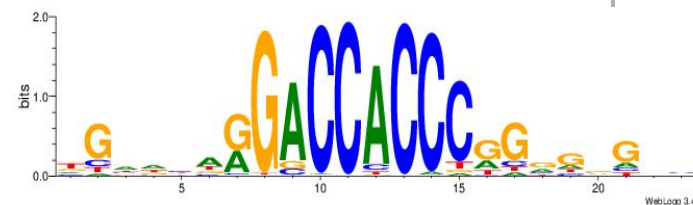
Original motif

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: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 18
 Similarity score: 1.5496

Alignment:

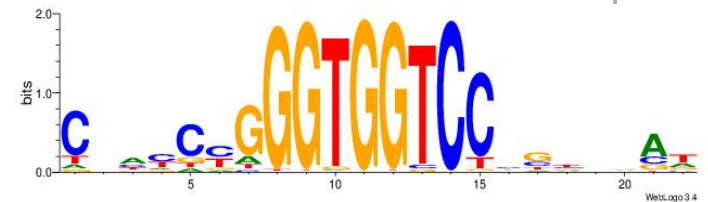
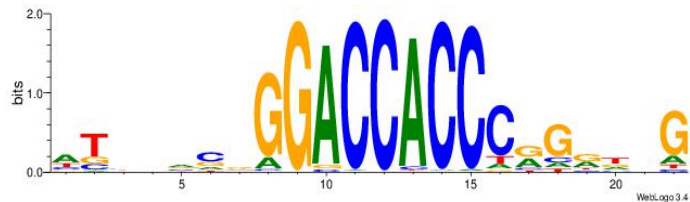
HTBVVVDGGACCACCCRGRDBG-----
 -----CACTGTGRTRTCACAGTGSWSCACT

Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG

Reverse complement motif

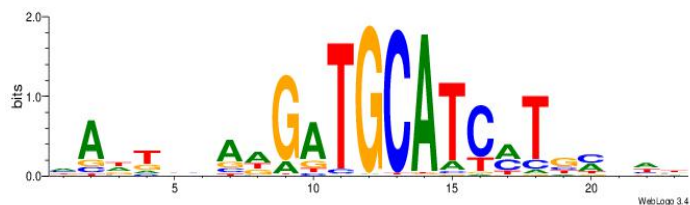
Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



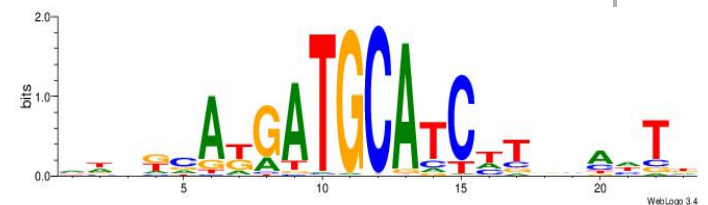
Motif ID: [UP00528](#)
 Motif name: Foxm1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 18
 Similarity score: 1.55149

Alignment:
 HADTBVADGATGCATCMTGMVHB-----
 -----CACTGTGRTRTCACAGTGSWSCACT

Original motif
 Consensus sequence: HADTBVADGATGCATCMTGMVHB



Reverse complement motif
 Consensus sequence: VHVRCAYGATGCATCDTVVADTH



Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary

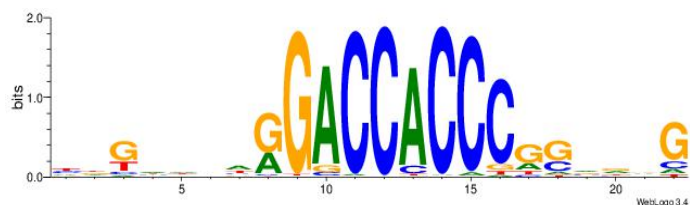
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 18
 Similarity score: 1.55607

Alignment:

-----CVHBSCGGGTGGTCMHVHHCDH
 AGTGSWSCACTGTGAMAMCACAGTG-----

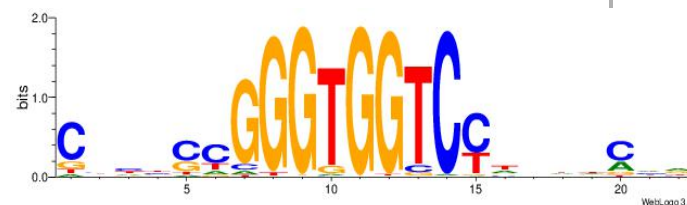
Original motif

Consensus sequence: HDGHHBHRGACCACCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



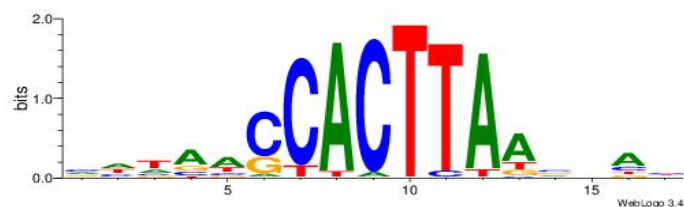
Motif ID: [UP00228](#)
 Motif name: Bapx1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 17
 Similarity score: 2.04247

Alignment:

-----DTBVTTAAGTGGTTHHV
 AGTGSWSCACTGTGAMAMCACAGTG-----

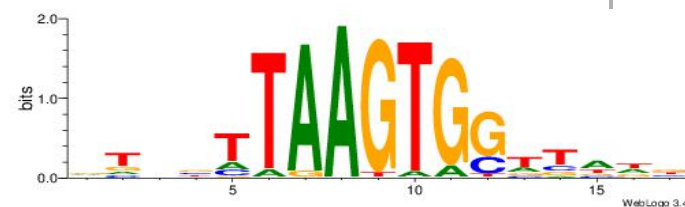
Original motif

Consensus sequence: VHHAACCACTTAHV



Reverse complement motif

Consensus sequence: DTBVTTAAGTGGTTHHV



Motif ID:	UP00031
Motif name:	Zbtb3_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:	17
Similarity score:	2.04316

Alignment:

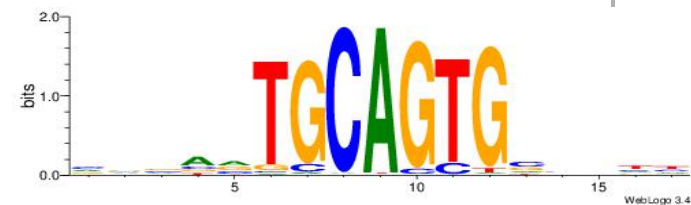
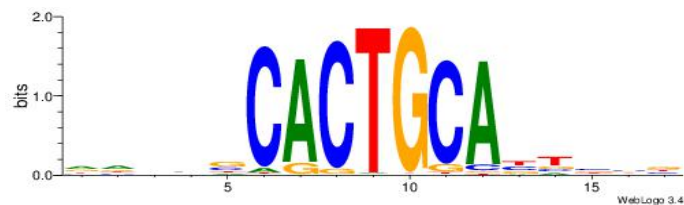
DDBBBCACTGCABTBBB-----
 -----CACTGTGRTRTCACAGTGSWSCACT

Original motif

Consensus sequence: DDBBBCACTGCABTBBB

Reverse complement motif

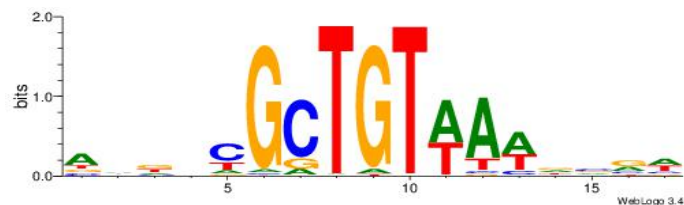
Consensus sequence: BBBAVTGCAGTGBBVD



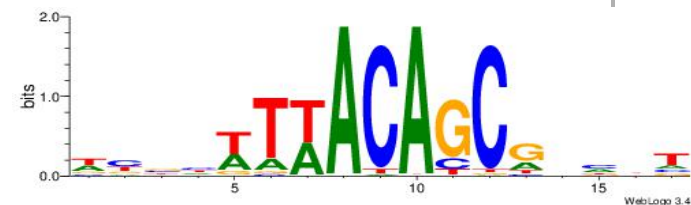
Motif ID: [UP00193](#)
 Motif name: Rhox11_1765.2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 17
 Similarity score: 2.04346

Alignment:
 WVHWTWACAGCGBHBT-----
 ---AGTGSWSCACTGTGAMAMCACAGTG

Original motif
 Consensus sequence: AVDVCGCTGTWAWDVVW



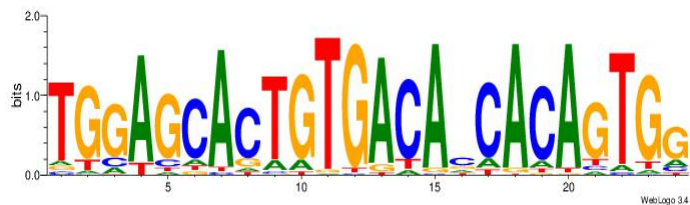
Reverse complement motif
 Consensus sequence: WVHWTWACAGCGBHBT



Dataset #: 4 Motif ID: 73 Motif name: TGGAGCACTGTGACAcCACAGTGg

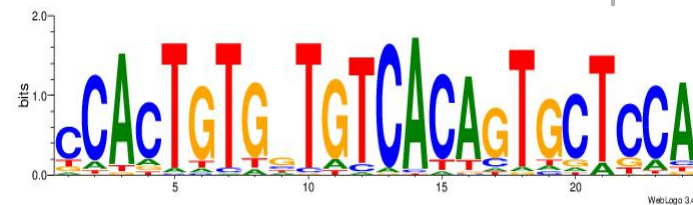
Original motif

Consensus sequence: TGGAGCACTGTGACAVCACAGTGG



Reverse complement motif

Consensus sequence: CCACTGTGVTGTACAGTGCTCCA



Best Matches for Motif ID 73 (Highest to Lowest)

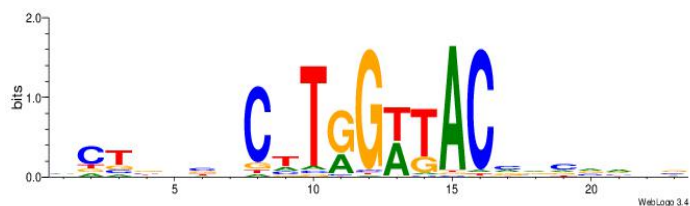
Motif ID:	UP00098
Motif name:	Rfx3_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	21
Similarity score:	0.0391954

Alignment:

```
BDBBVBVGTAWCCAAGVBHBAGB---  
---CCACTGTGVTGTACAGTGCTCCA
```

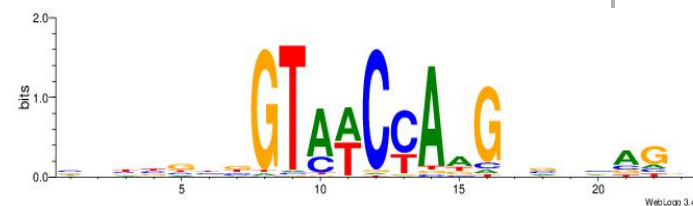
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



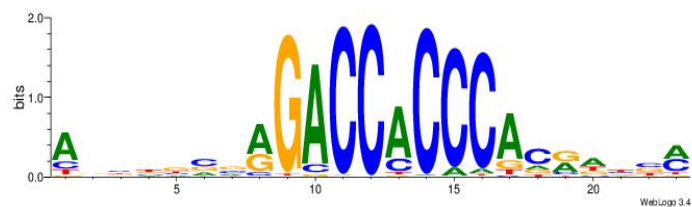
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 21
 Similarity score: 0.0400271

Alignment:

YBVDMSGTGGGTGGTCKVVBVBBT---
 --CCACTGTGVTGTACAGTGCTCCA

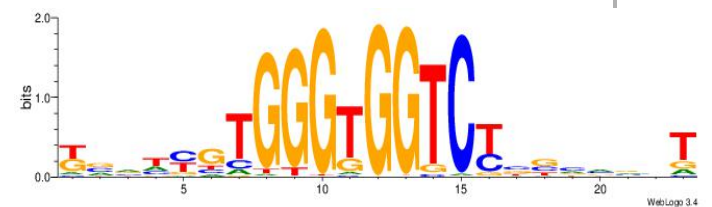
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMSGTGGGTGGTCKVVBVBBT



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: Backward
 Position number: 5
 Number of overlap: 20

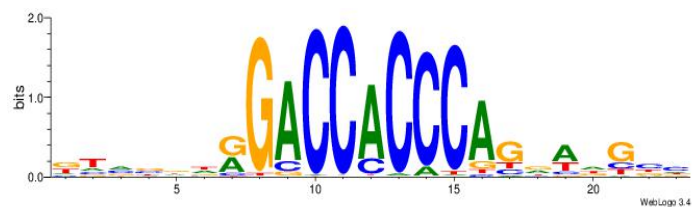
Similarity score: 0.535486

Alignment:

----DBCDWHCTGGGTGGTCMDHBBAH
CCACTGTGVTGTCACAGTGCTCCA----

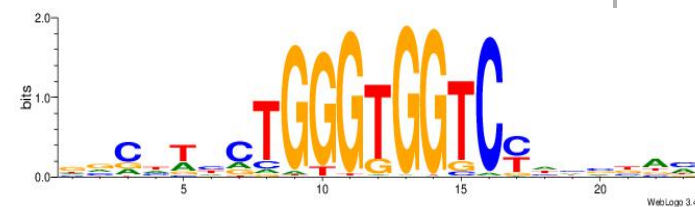
Original motif

Consensus sequence: DTVBDDRGACCA⁺CCAGDWDGBH



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: 5
Number of overlap: 20
Similarity score: 0.536069

Alignment:

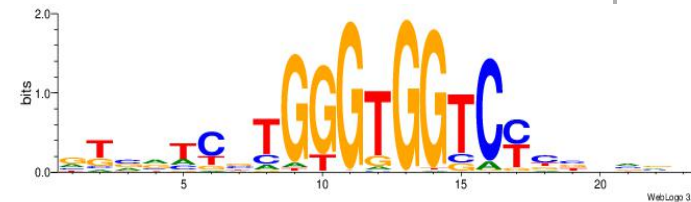
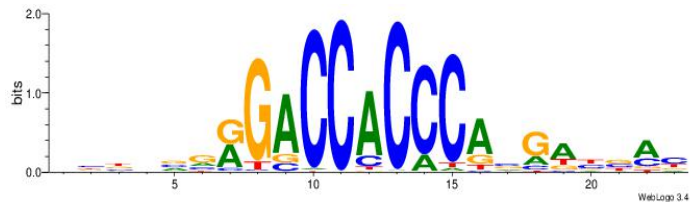
----BTBVTCTGGGTGGTCMVVDVBB
CCACTGTGVTGTCACAGTGCTCCA----

Original motif

Consensus sequence: BBBDVVRGACCA⁺CCAVGABBAB

Reverse complement motif

Consensus sequence: BTBVTCTGGGTGGTCMVVDVBB



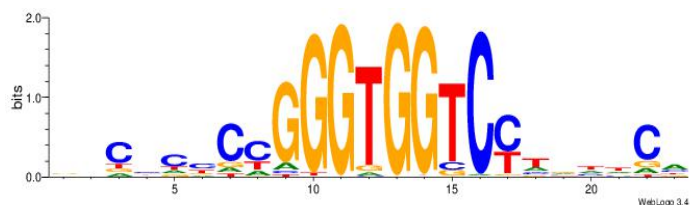
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 20
 Similarity score: 0.539704

Alignment:

----HGDHVKHGACCACCGGBGBGDB
 TGGAGCACTGTGACAVCACAGTGG---

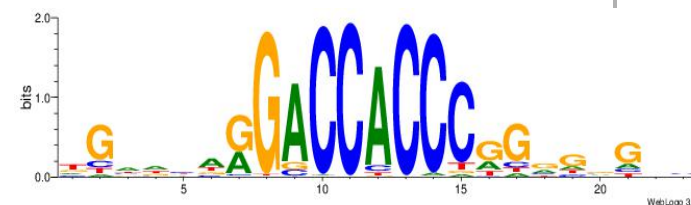
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif

Consensus sequence: HGDHVKHGACCACCGGBGBGDB



Motif ID: [UP00540](#)

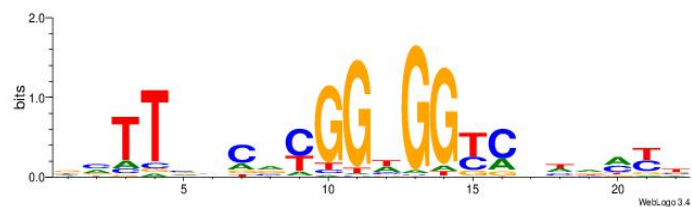
Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 18
 Similarity score: 1.53819

Alignment:

-----DVTTVVCVYGGHGGYCHHDMYB
 TGGAGCACTGTGACAVCACAGTGG-----

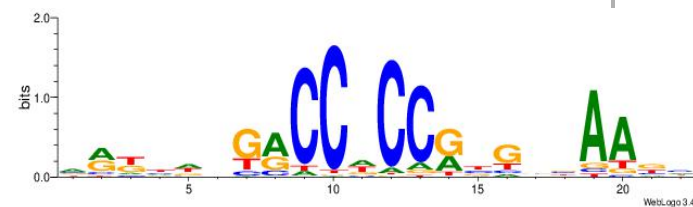
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH



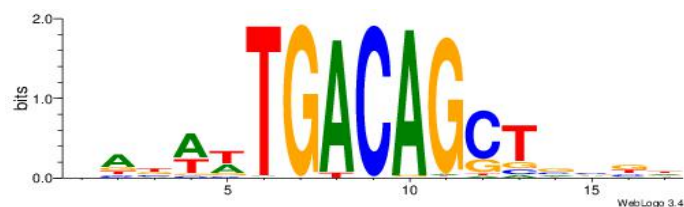
Motif ID: [UP00122](#)
 Motif name: Tgif1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 17
 Similarity score: 2.02534

Alignment:

-----DABWWTGACAGCTVVBD
TGGAGCACTGTGACAVCACAGTGG--

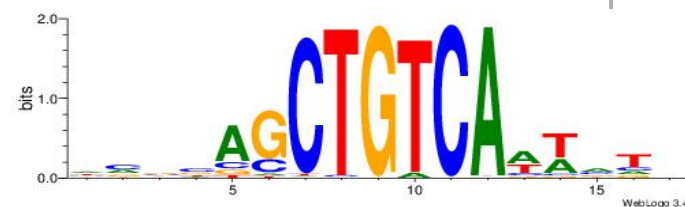
Original motif

Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



Motif ID:	UP00159
Motif name:	Six2
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:	17
Similarity score:	2.02571

Alignment:

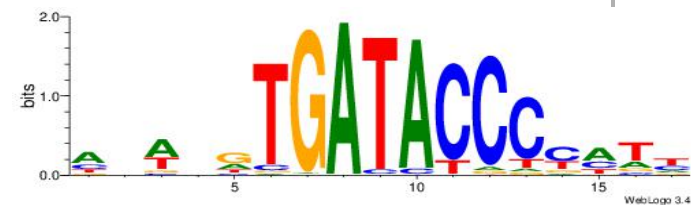
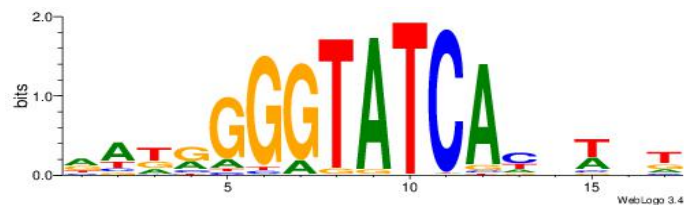
AHWDGTGATACCCMRTD-----
--CCACTGTGVTGTACAGTGCTCCA

Original motif

Consensus sequence: DAKRGGGTATCACDWHT

Reverse complement motif

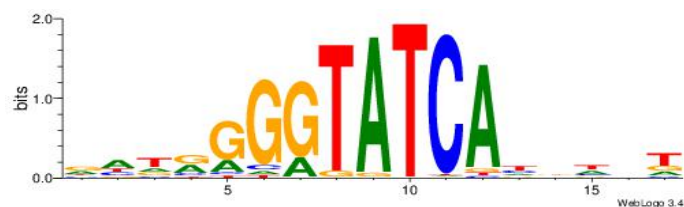
Consensus sequence: AHWDGTGATACCCMRTD



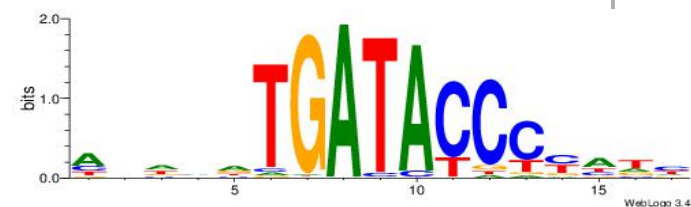
Motif ID: [UP00192](#)
 Motif name: Six1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 17
 Similarity score: 2.02892

Alignment:
 AVHDHTGATACCCMDHH-----
 --CCACTGTGVTGTCACAGTGCTCCA

Original motif
 Consensus sequence: DHDRGGGTATCAHDHBT



Reverse complement motif
 Consensus sequence: AVHDHTGATACCCMDHH



Motif ID: [UP00076](#)
 Motif name: Rfxdc2_secondary

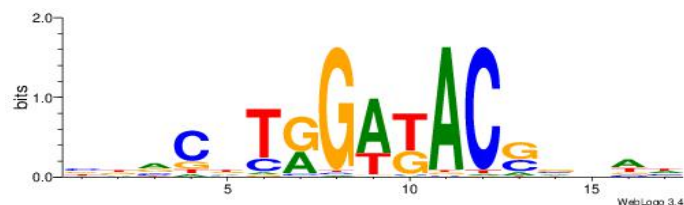
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 17
 Similarity score: 2.0292

Alignment:

HDDVSGTRTCMADGBVB-----
 ---CCACTGTGVTGTCACAGTGCTCCA

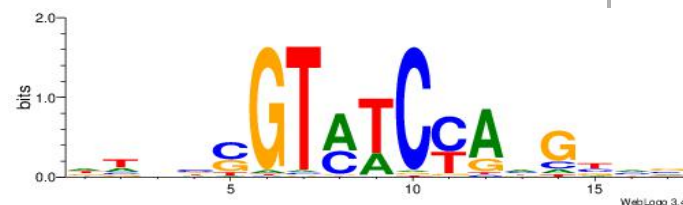
Original motif

Consensus sequence: BBVCDTRGAKACSVDDH



Reverse complement motif

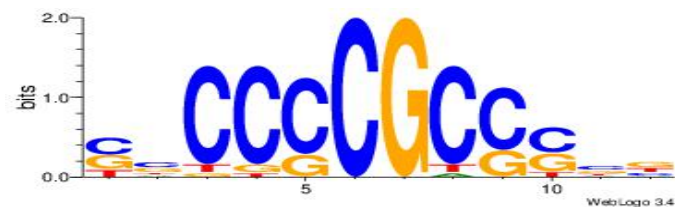
Consensus sequence: HDDVSGTRTCMADGBVB



Dataset #: 4 **Motif ID: 74** **Motif name: ssCCCCGCSsk**

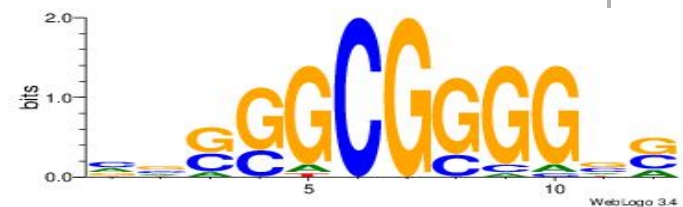
Original motif

Consensus sequence: SBCCCCGCCSBB



Reverse complement motif

Consensus sequence: BBSGGCGGGGBS



Best Matches for Motif ID 74 (Highest to Lowest)

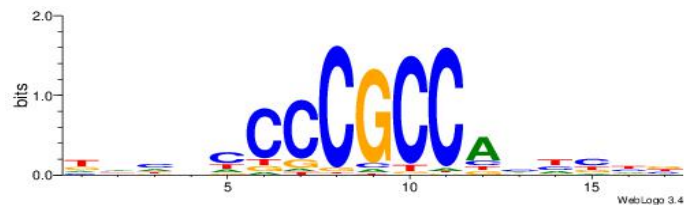
Motif ID: [UP00000](#)
Motif name: Smad3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 12
Similarity score: 0.0114847

Alignment:

DHHBCCCCGCCAHHBHB
--SBCCCCGCCSBB---

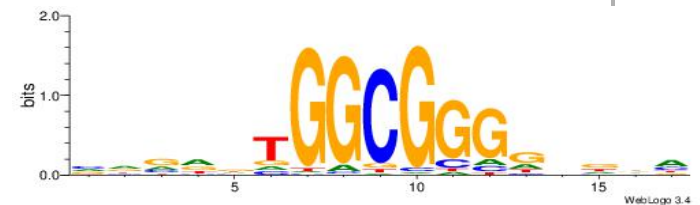
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD



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:	Forward
Position number:	3
Number of overlap:	12
Similarity score:	0.0165262

Alignment:

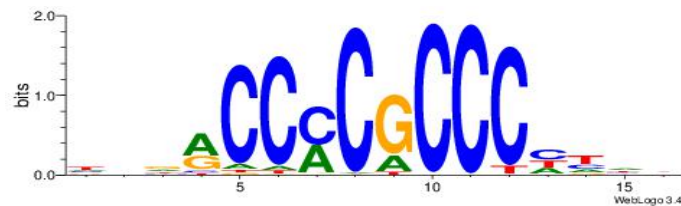
```

HBDRCMCGCCCHHD
--SBCCCCGCCSBB--

```

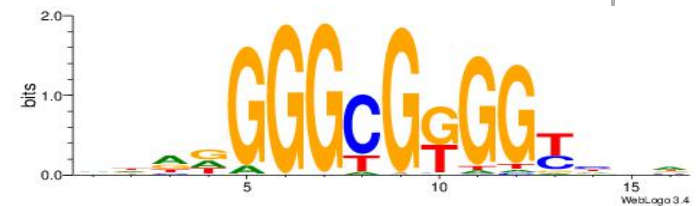
Original motif

Consensus sequence: HBDRCMCGCCCHHD



Reverse complement motif

Consensus sequence: DHHDGGGCGRGGKHBH



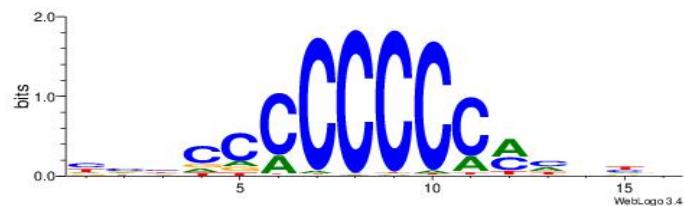
Motif ID:	UP00022
Motif name:	Zfp740_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	12
Similarity score:	0.0276137

Alignment:

HVBCCCCCCCCMHHHB
 --SBCCCCGCCSBB--

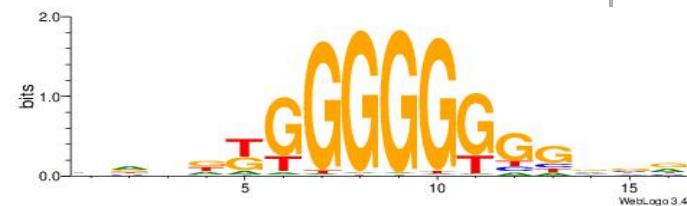
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGGBVD



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:	2
Number of overlap:	12
Similarity score:	0.0328578

Alignment:

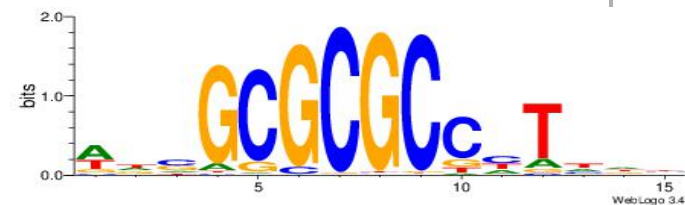
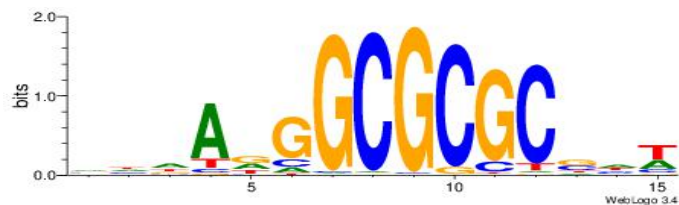
WHS GCGCGCCHTDHB
 -SBCCCCGCCSBB--

Original motif

Consensus sequence: VHDADGGCGCGCSHW

Reverse complement motif

Consensus sequence: WHSGCGCGCCHTDHB

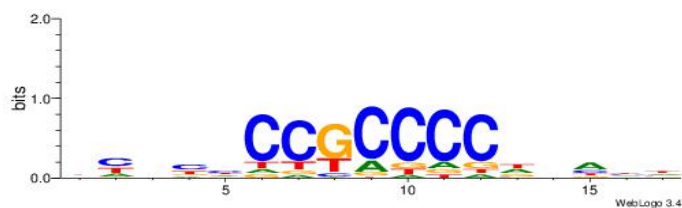


Motif ID: [UP00033](#)
 Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0336734

Alignment:
 BHHBHCCGCCCCDHHHH
 -SBCCCCGCCSBB-----

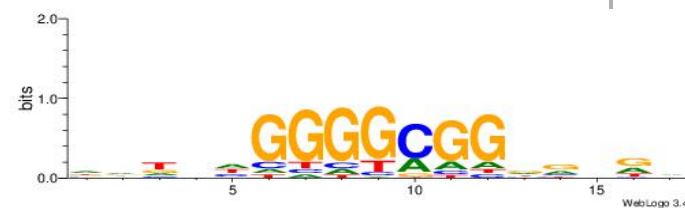
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



Motif ID: [UP00001](#)

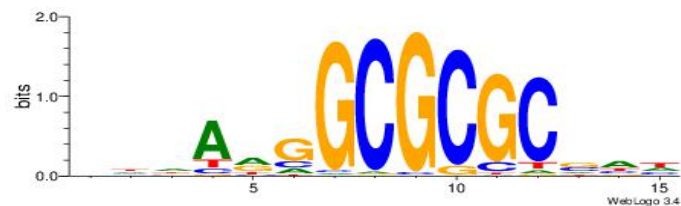
Motif name: E2F2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0345737

Alignment:

HHVGCGCGCCKTDHB
 -SBCCCCGCCSBB--

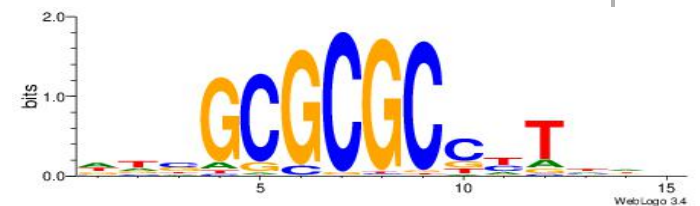
Original motif

Consensus sequence: VHDARGGCGCGCVHH



Reverse complement motif

Consensus sequence: HHVGCGCGCCKTDHB



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: Backward
 Position number: 3
 Number of overlap: 12

Similarity score: 0.0347468

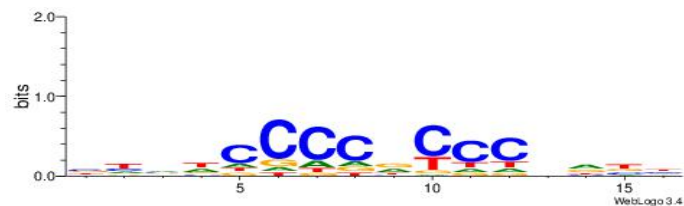
Alignment:

HVDVGGGHGGGGDBHB

--BBSGGCGGGGBS--

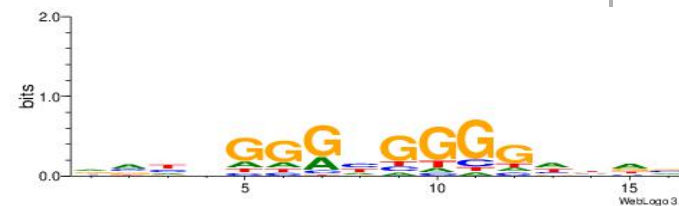
Original motif

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: 3
Number of overlap: 12
Similarity score: 0.0358124

Alignment:

BHHHWGGGGCGGBBVH

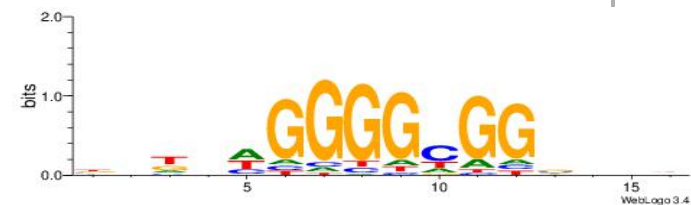
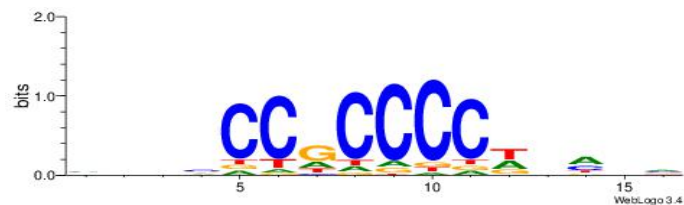
--BBSGGCGGGGBS--

Original motif

Consensus sequence: HBBCCGCCCCWHHHV

Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



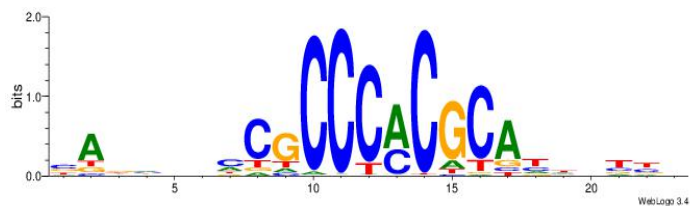
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 9
 Number of overlap: 12
 Similarity score: 0.0365354

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
 -----SBCCCCGCCSBB----

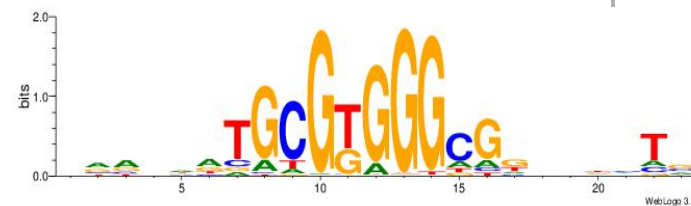
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHHTB



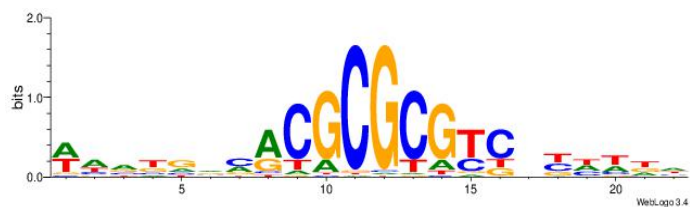
Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 12
 Similarity score: 0.0389727

Alignment:

HDWHMHGACGCGCGTRBVVBHW
 -----BBSGGCGGGGBS-----

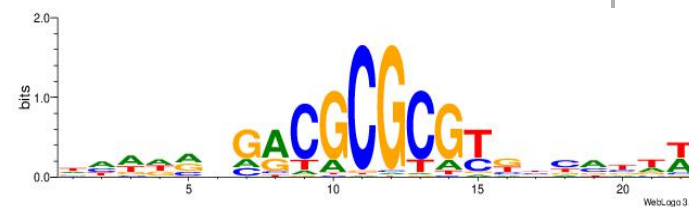
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



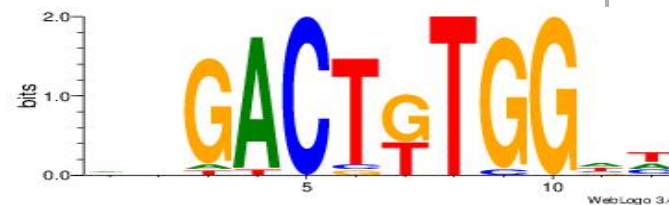
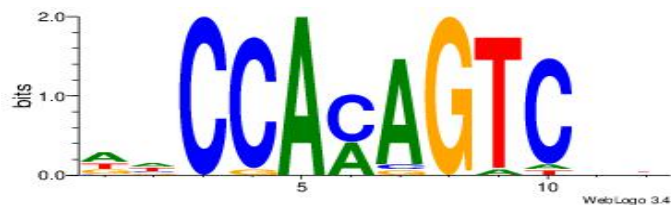
Dataset #: 4 Motif ID: 75 Motif name: wwCCAmAGTCmt

Original motif

Consensus sequence: DDCCAMAGTCHB

Reverse complement motif

Consensus sequence: VDGACTRTGGDD



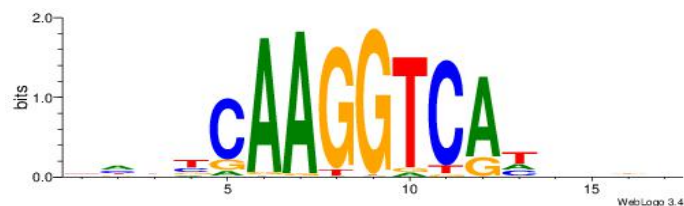
Best Matches for Motif ID 75 (Highest to Lowest)

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: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.00927341

Alignment:
 DHDBCAAGGTCAHVBDH
 -DDCCAMAGTCHB-----

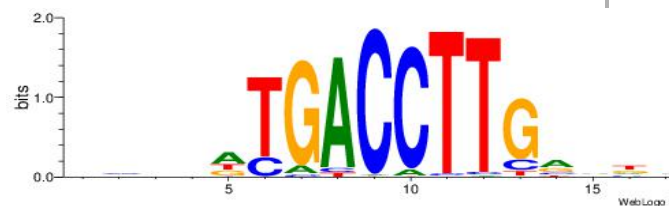
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD

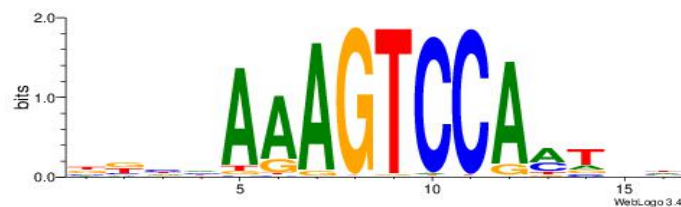


Motif ID: [UP00066](#)
 Motif name: Hnf4a_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0157554

Alignment:
 BBHHAAAGTCCAMTHH
 DDCCAMAGTCHB-----

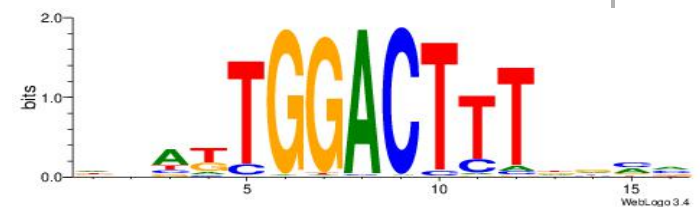
Original motif

Consensus sequence: BBHHAAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTHDBV



Motif ID: [UP00023](#)
 Motif name: Sox30_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3

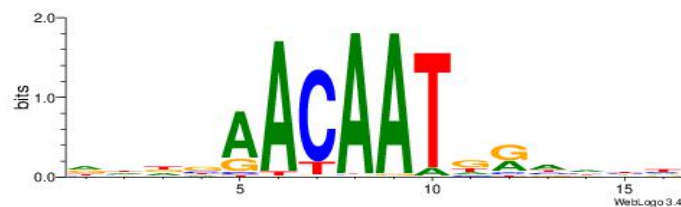
Number of overlap: 12
Similarity score: 0.0218941

Alignment:

DHDBAACAATDRHHHH
--VDGACTRTGGDD--

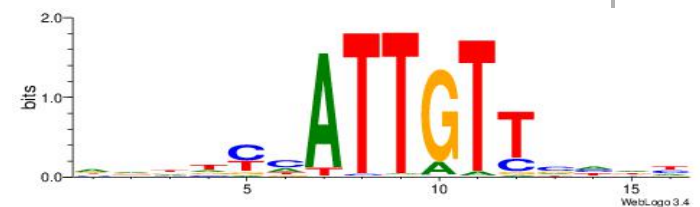
Original motif

Consensus sequence: DHDBAACAATDRHHHH



Reverse complement motif

Consensus sequence: HHHMHATTGTTBDHD



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: 0.023236

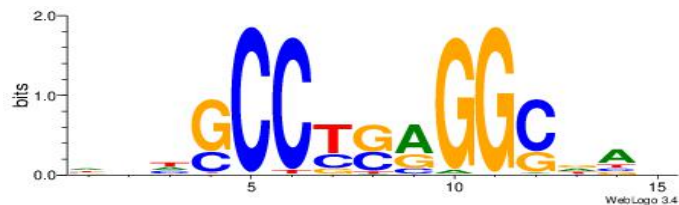
Alignment:

DTHGCCTSAGGCHHH
--DDCCAMAGTCHB--

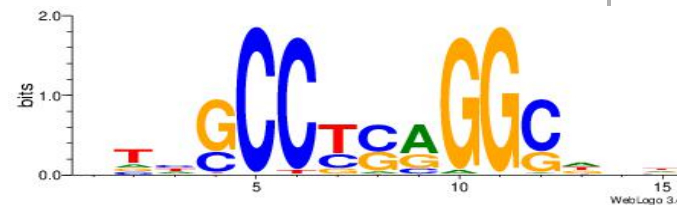
Original motif

Reverse complement motif

Consensus sequence: HHHGCCTSAGGCDAD



Consensus sequence: DTHGCCTSAGGCHHH



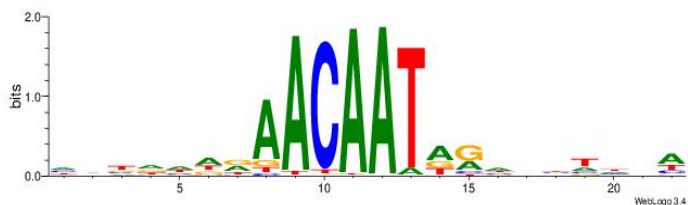
Motif ID: [UP00034](#)
Motif name: Sox7_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 12
Similarity score: 0.0235871

Alignment:

HHBDHDDAACAATDRHHHHHBW
-----VDGACTRTGGDD-----

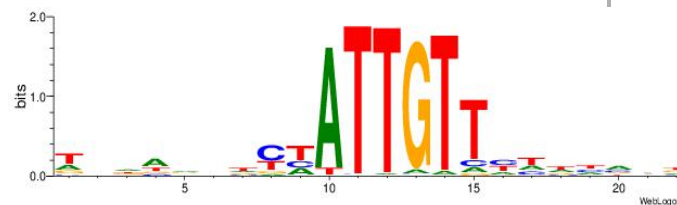
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



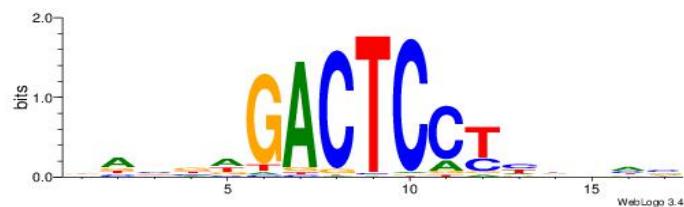
Motif ID: [UP00095](#)
 Motif name: Zfp691_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0240897

Alignment:

VHBDDAGGAGTCWBBTD
 --DDCCAMAGTCHB---

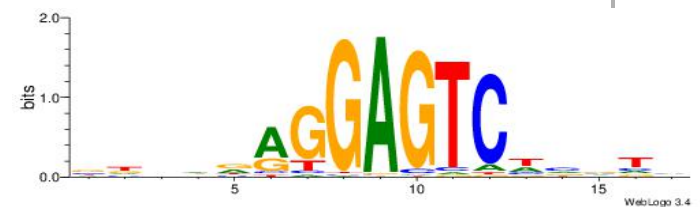
Original motif

Consensus sequence: DABBWGACTCCTHDVHV



Reverse complement motif

Consensus sequence: VHBDDAGGAGTCWBBTD



Motif ID: [UP00004](#)
 Motif name: Sox14_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2

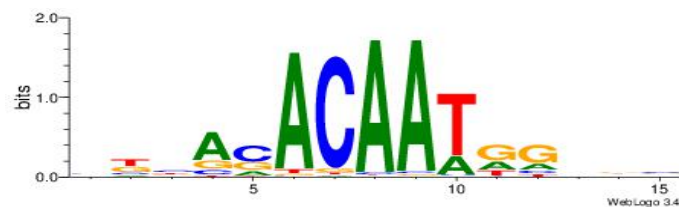
Number of overlap: 12
Similarity score: 0.025783

Alignment:

BKBASACAATRGHBB
--VDGACTRTGGDD--

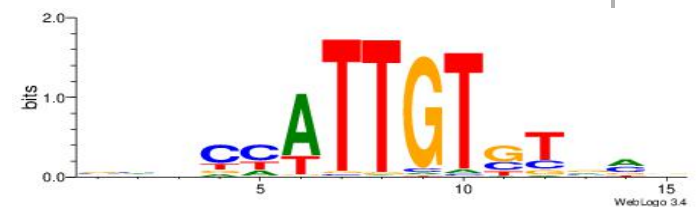
Original motif

Consensus sequence: BKBASACAATRGHBB



Reverse complement motif

Consensus sequence: BBDCMATTGTSTBRB



Motif ID: [UP00081](#)
Motif name: Mybl1_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: 12
Similarity score: 0.026472

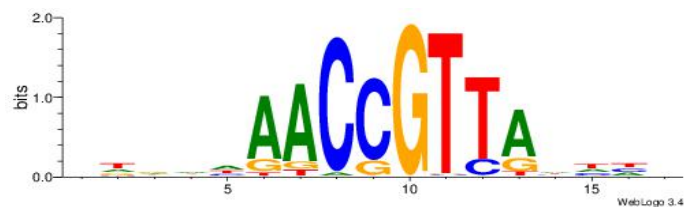
Alignment:

HDDDHAACCGTTAHHHD
---VDGACTRTGGDD--

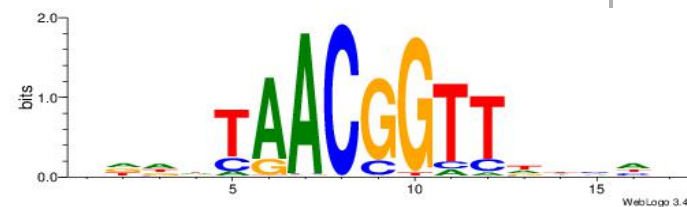
Original motif

Reverse complement motif

Consensus sequence: HDDDHAACCGTTAHHHD



Consensus sequence: DHHHTAACGGTTHDHDH



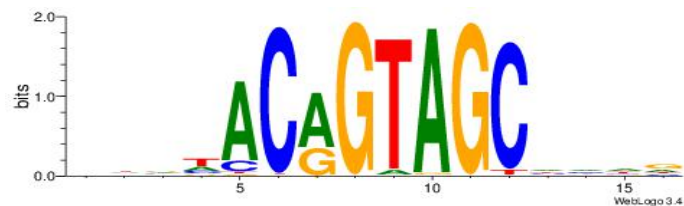
Motif ID: [UP00052](#)
Motif name: Osr2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 12
Similarity score: 0.027027

Alignment:

HHHHGCTACKGTHVHH
---DDCCAMAGTCHB---

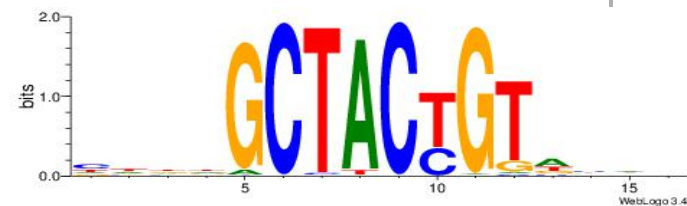
Original motif

Consensus sequence: HHVHACRGTAGCHHHD



Reverse complement motif

Consensus sequence: HHHHGCTACKGTHVHH



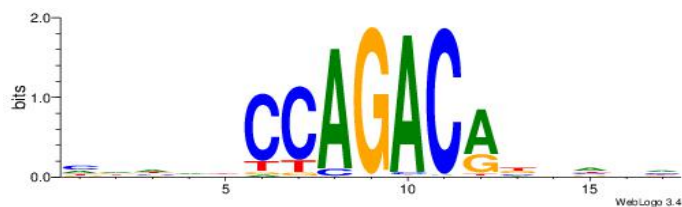
Motif ID: [UP00000](#)
 Motif name: Smad3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0270662

Alignment:

HVHBVTGTCTGGDDHDD
 --VDGACTRTGGDD---

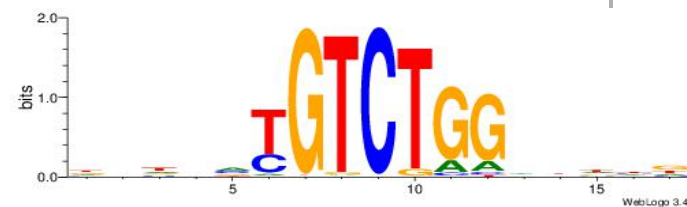
Original motif

Consensus sequence: HDHDDCCAGACABBHVH



Reverse complement motif

Consensus sequence: HVHBVTGTCTGGDDHDD



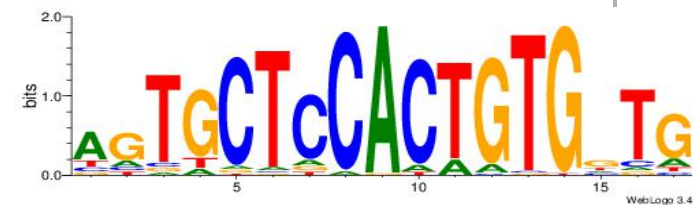
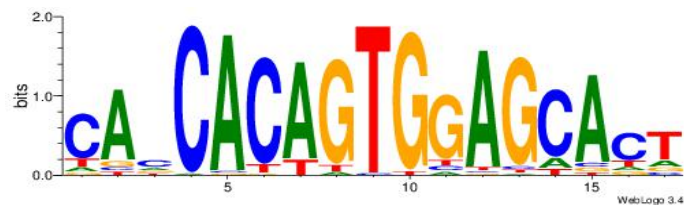
Dataset #: 4 Motif ID: 76 Motif name: CACACAGTGGAGCACT

Original motif

Consensus sequence: CAHCACAGTGGAGCACT

Reverse complement motif

Consensus sequence: AGTGCTCCACTGTGDTG



Best Matches for Motif ID 76 (Highest to Lowest)

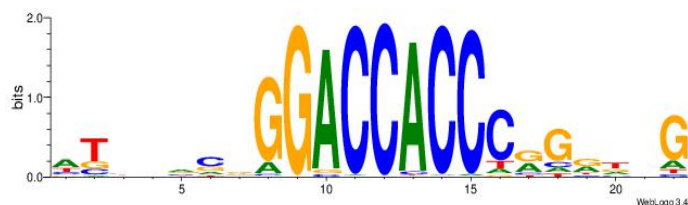
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 17
 Similarity score: 0.0381337

Alignment:

CBDMCMGGGTGGTCCHVBVBAH
 -CAHCACAGTGGAGCACT-----

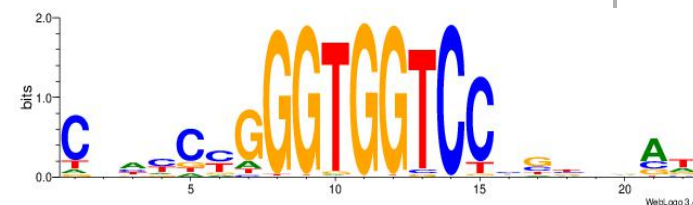
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



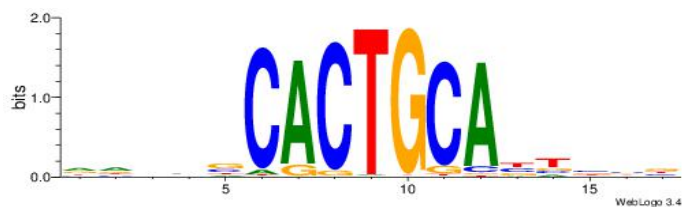
Motif ID: [UP00031](#)
 Motif name: Zbtb3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0393208

Alignment:

BBBAVTGCAGTGBBVDD
 AGTGCTCCACTGTGDTG

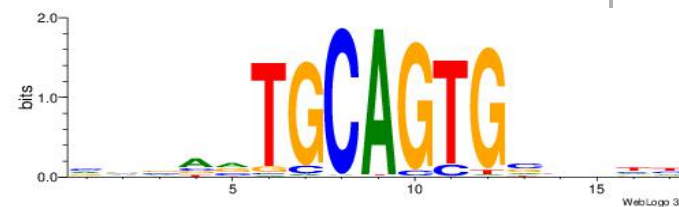
Original motif

Consensus sequence: DDBBBCACTGCABTBBB



Reverse complement motif

Consensus sequence: BBBAVTGCAGTGBBVDD



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: 2

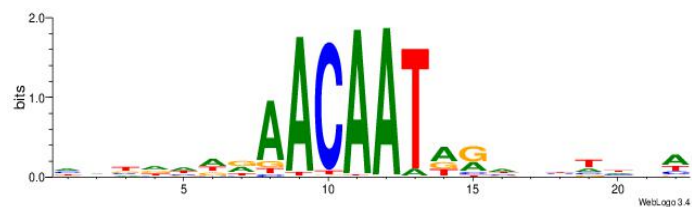
Number of overlap: 17
Similarity score: 0.0441166

Alignment:

HHBDHDDAACAATDRHHHHHBW
----CAHCACAGTGGAGCACT--

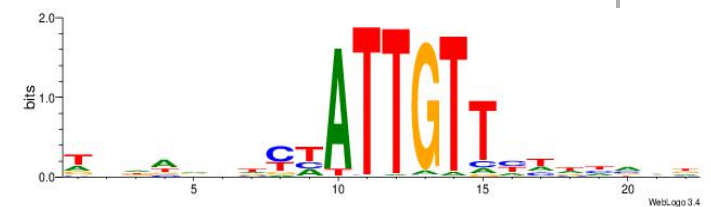
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHVDVHH



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: Forward
Position number: 4
Number of overlap: 17
Similarity score: 0.0477617

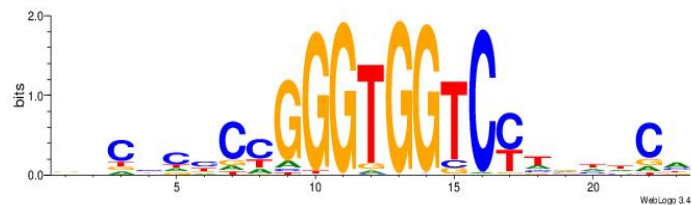
Alignment:

HGDHVHKGACCACCCGGBGBGDB
---AGTGCTCCACTGTGDTG---

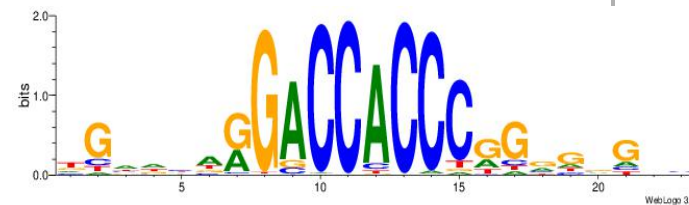
Original motif

Reverse complement motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Consensus sequence: HGDHVKHKGACCACCCGGBGBGDB



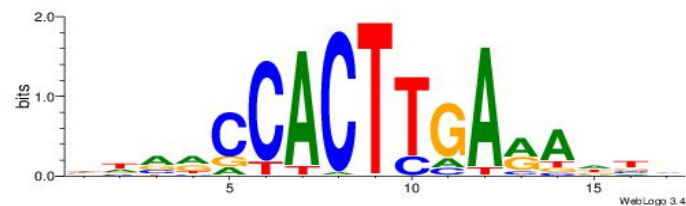
Motif ID: [UP00231](#)
Motif name: Nkx2-2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 17
Similarity score: 0.0479423

Alignment:

HDVRCCACTTGARADB
CAHCACAGTGGAGCACT

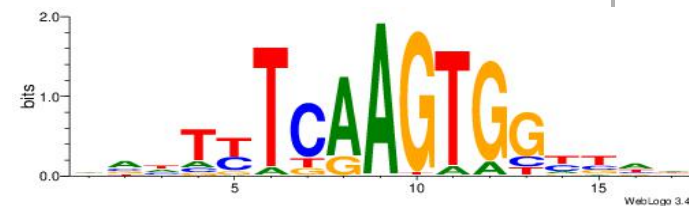
Original motif

Consensus sequence: HDVRCCACTTGARADB



Reverse complement motif

Consensus sequence: DVDTKTCAAGTGGKBDH



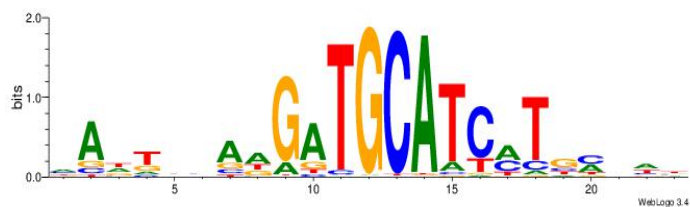
Motif ID: [UP00528](#)
 Motif name: Foxm1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 17
 Similarity score: 0.0484681

Alignment:

VHVRCAYGATGCATCDTVVADTH
 -CAHCACAGTGGAGCACT-----

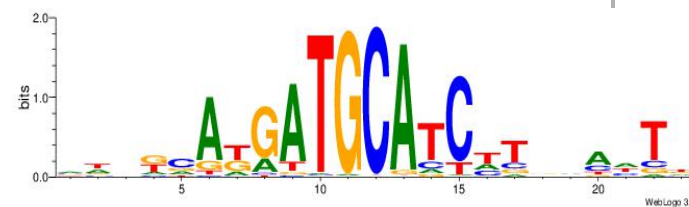
Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB



Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH



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: Forward
 Position number: 1

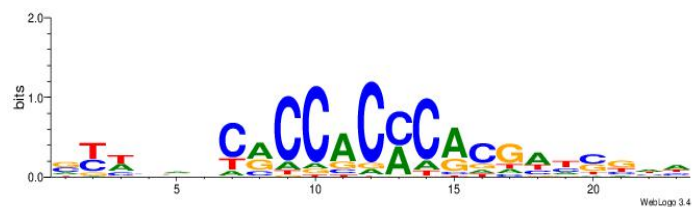
Number of overlap: 17
Similarity score: 0.0487437

Alignment:

HHBSHTCGTGRGTGGKGDBVWMV
AGTGCTCCACTGTGDTG-----

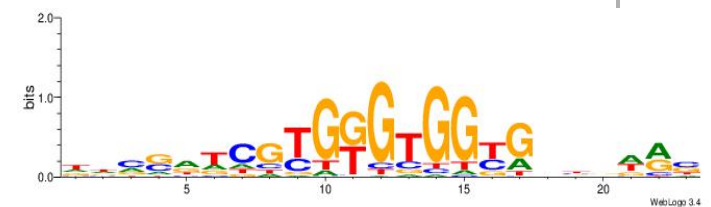
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



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: 1
Number of overlap: 17
Similarity score: 0.048891

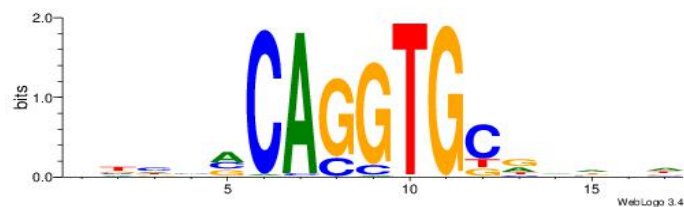
Alignment:

DHDBHGCACCTGBDDVB
AGTGCTCCACTGTGDTG

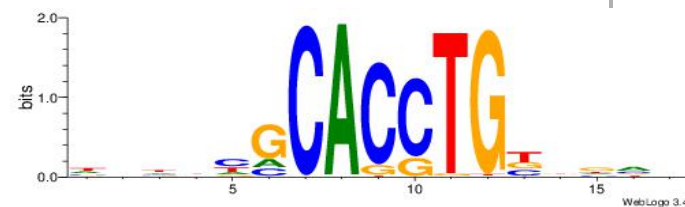
Original motif

Reverse complement motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Consensus sequence: DHDBHGCACCTGBDDVB



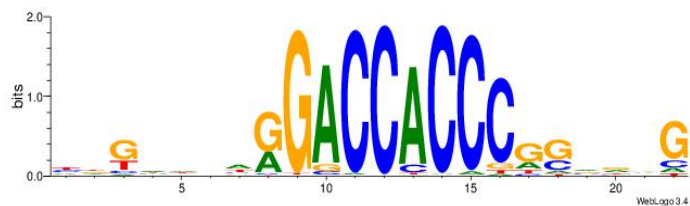
Motif ID: [UP00540](#)
Motif name: Gli3_v016060_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 17
Similarity score: 0.0491352

Alignment:

CVHBSCGGGTGGTCMHVHHCDH
-CAHCACAGTGGAGCACT-----

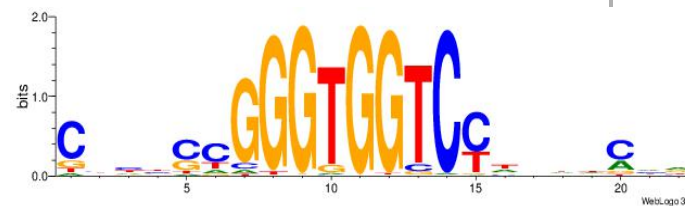
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



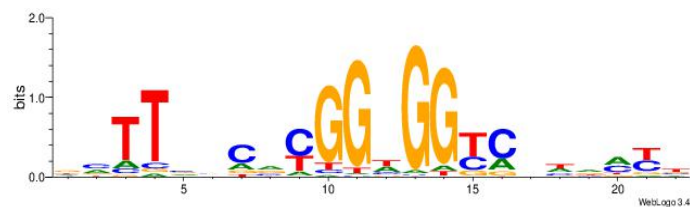
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 17
 Similarity score: 0.0515016

Alignment:

DVTTVVCVYGGHGGYCHHDMYB
 ---CAHCACAGTGGAGCACT--

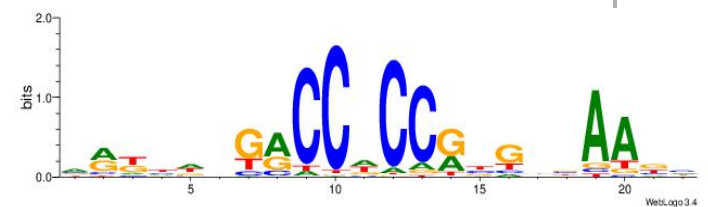
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH



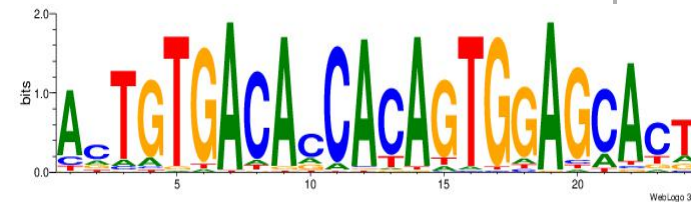
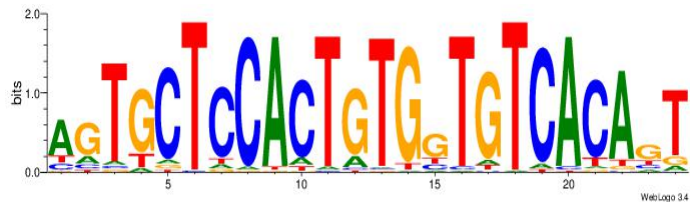
Dataset #: 4 Motif ID: 77 Motif name: AgTGCTCCACTGTGgTGTCACAgT

Original motif

Consensus sequence: AGTGCTCCACTGTGGTGTCAAGT

Reverse complement motif

Consensus sequence: ACTGTGACACCACAGTGGAGCACT



Best Matches for Motif ID 77 (Highest to Lowest)

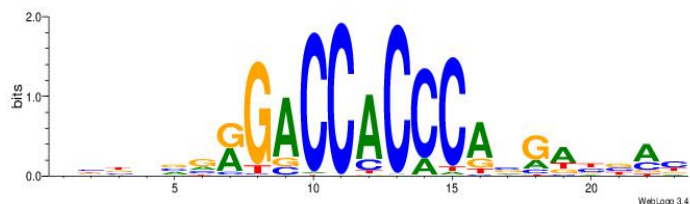
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 23
 Similarity score: 0.0509731

Alignment:

BBBDVVRGACCACCCAVGABBAB-
 ACTGTGACACCACAGTGGAGCACT

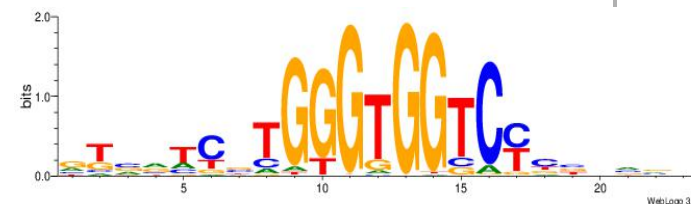
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



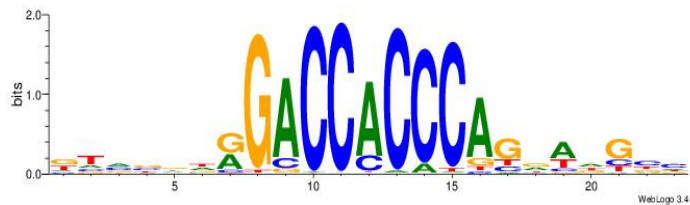
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 21
 Similarity score: 1.0488

Alignment:

DTVBDDRGACCACCCAGDWDGBH---
 ---AGTGCTCCACTGTGGTGTACAGT

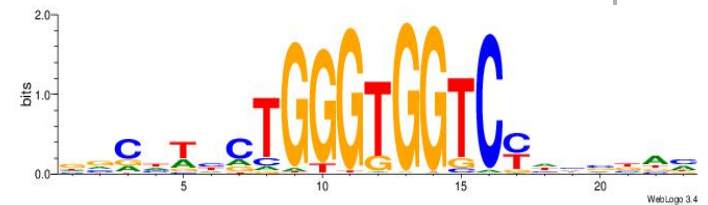
Original motif

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: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 21

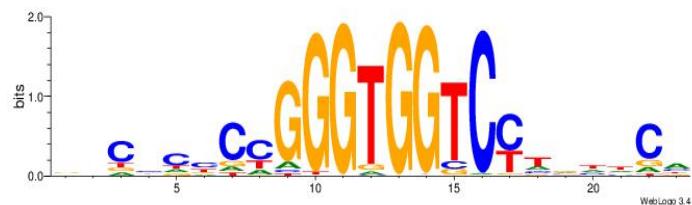
Similarity score: 1.05087

Alignment:

HGDHVKHGACCAACCGGBGBGDB---
--ACTGTGACACCACAGTGGAGCACT

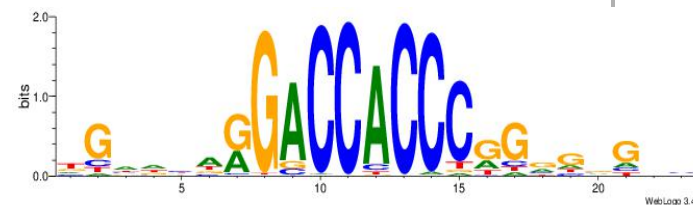
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif

Consensus sequence: HGDHVKHGACCAACCGGBGBGDB



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: 18
Similarity score: 2.54748

Alignment:

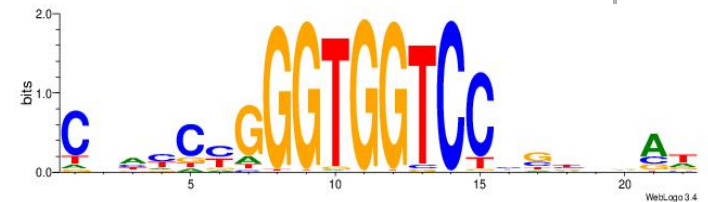
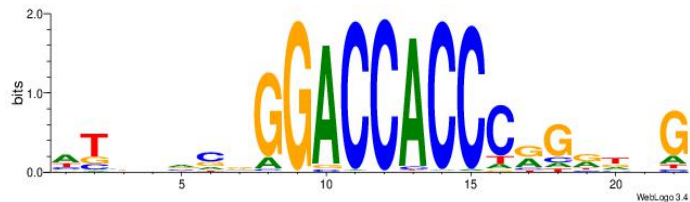
CBDMCMGGGTGGTCCHVBVBAH-----
-----ACTGTGACACCACAGTGGAGCACT

Original motif

Consensus sequence: HTBVVDGGACCAACCRGRDBG

Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



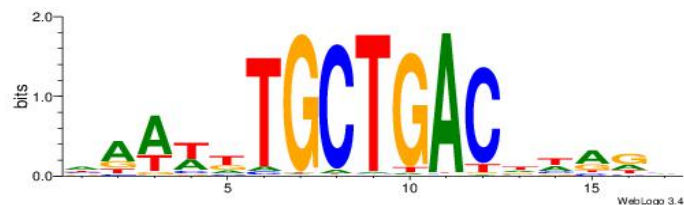
Motif ID: [UP00045](#)
 Motif name: Mafb_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 3.0367

Alignment:

-----HAAWDTGCTGACDWARH
 AGTGCTCCACTGTGGTGTCACAGT

Original motif

Consensus sequence: HAAWDTGCTGACDWARH



Reverse complement motif

Consensus sequence: DMTWDGTCAGCADWTTT



Motif ID: [UP00055](#)
 Motif name: Hbp1_secondary

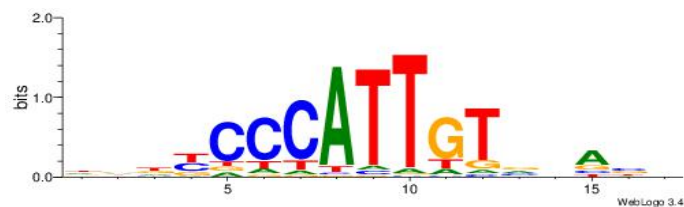
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 7
Number of overlap: 17
Similarity score: 3.04028

Alignment:

-----DDDYCCCATTGTVHABH
AGTGCTCCACTGTGGTGTCACAGT-----

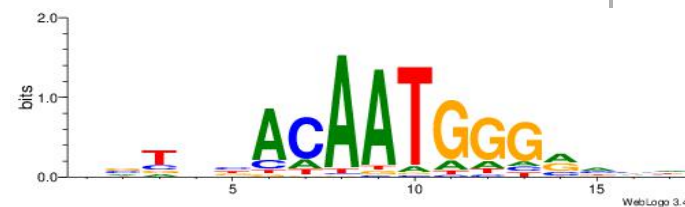
Original motif

Consensus sequence: DDDYCCCATTGTVHABH



Reverse complement motif

Consensus sequence: HBTHVACAATGGGMDHD



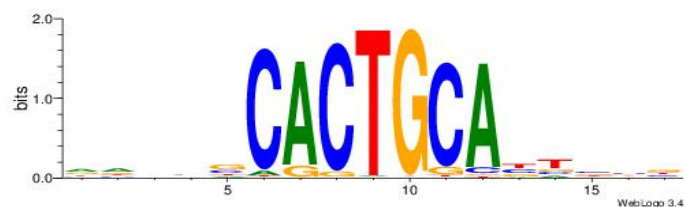
Motif ID: [UP00031](#)
Motif name: Zbtb3_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 8
Number of overlap: 17
Similarity score: 3.04347

Alignment:

-----DDBBBCACTGCABTBBB
 AGTGCTCCACTGTGGTGTACAGT-----

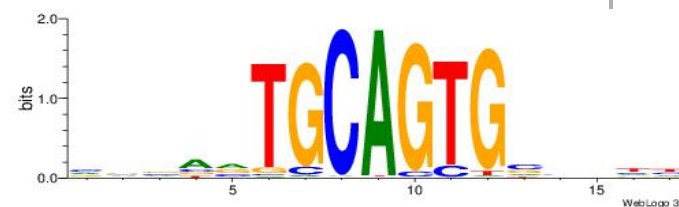
Original motif

Consensus sequence: DDBBBCACTGCABTBBB



Reverse complement motif

Consensus sequence: BBBAVTGCAGTGBBVDD



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:	Forward
Position number:	4
Number of overlap:	17
Similarity score:	3.04662

Alignment:

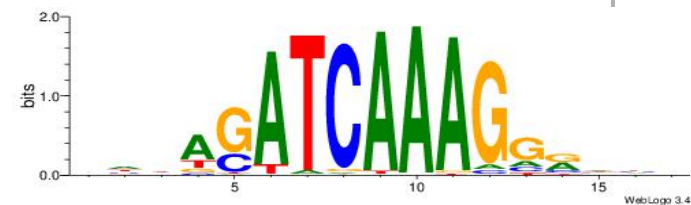
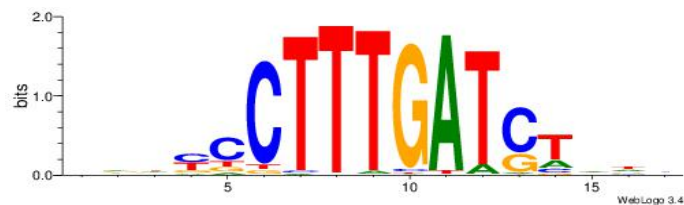
VDDAGATCAAAGGKDDD-----
 ---ACTGTGACACCACAGTGGAGCACT

Original motif

Consensus sequence: DDDYCCTTTGATCTDDV

Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD



Motif ID: [UP00070](#)
 Motif name: Gcm1_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: 17
 Similarity score: 3.04663

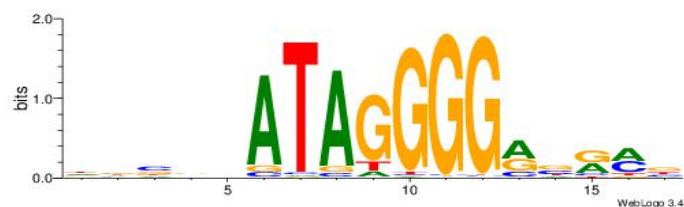
Alignment:

```

DDBVHATAGGGGRBRMB-----
-AGTGCTCCACTGTGGTGTACAGT
  
```

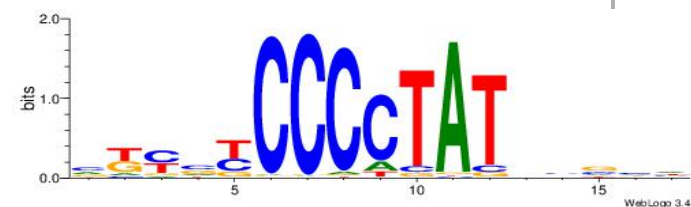
Original motif

Consensus sequence: DDBVHATAGGGGRBRMB



Reverse complement motif

Consensus sequence: BYMBKCCCTATDVBHD



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: 17
 Similarity score: 3.04907

Alignment:

-----BDBDHTGATTTC DHYDD
 ACTGTGACACCACAGTGGAGCACT-----

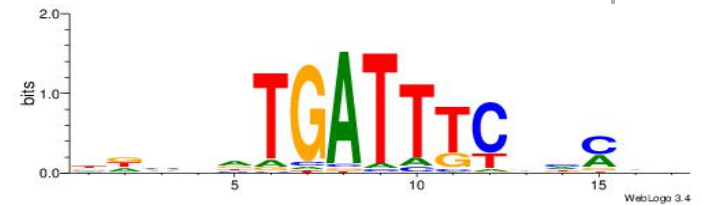
Original motif

Consensus sequence: DDKDHGAAATCAHHBHV



Reverse complement motif

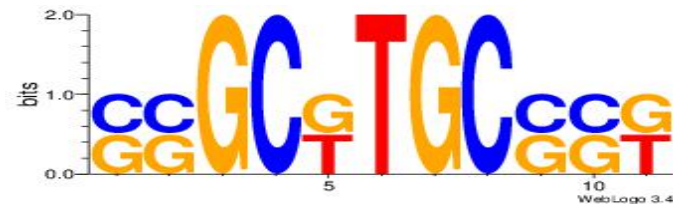
Consensus sequence: BDBDHTGATTTC DHYDD



Dataset #: 4 **Motif ID: 78** **Motif name: ssGCKTGCssk**

Original motif

Consensus sequence: SSGCKTGCSSK



Reverse complement motif

Consensus sequence: YSSGCAYGCSS



Best Matches for Motif ID 78 (Highest to Lowest)

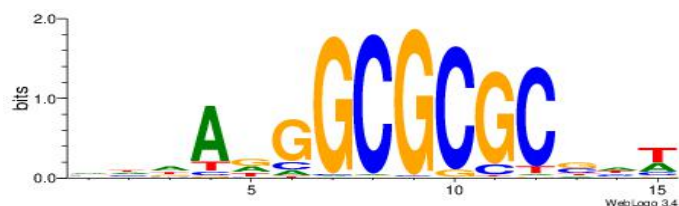
Motif ID: [UP00003](#)
Motif name: E2F3_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.00463328

Alignment:

VHDADGGCGCGCSHW
-----SSGCKTGCSSK

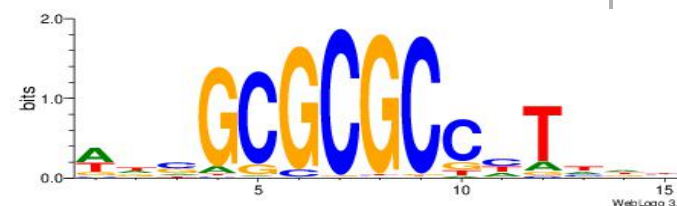
Original motif

Consensus sequence: VHDADGGCGCGCSHW



Reverse complement motif

Consensus sequence: WMSGCGCGCCHTDHB



Motif ID: [UP00094](#)
Motif name: Zfp128_primary
Species: Mus musculus
Matching format of first motif: Original Motif

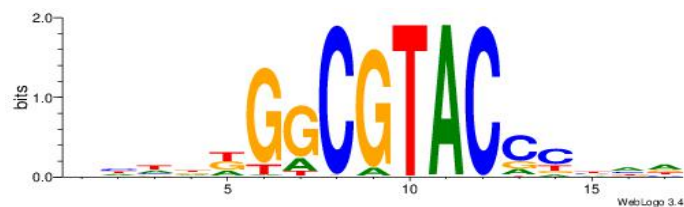
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	11
Similarity score:	0.00482124

Alignment:

```
BHHDKGGCGTACCCBHD
-----SSGCKTGCSSK--
```

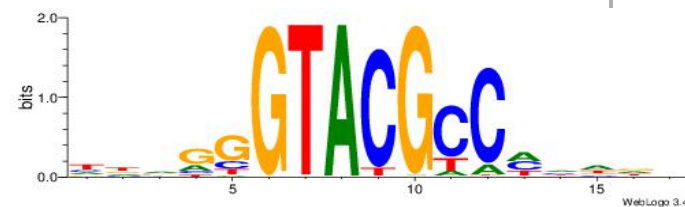
Original motif

Consensus sequence: BHHDKGGCGTACCCBHD



Reverse complement motif

Consensus sequence: DHVGGGTACGCCRDHDV



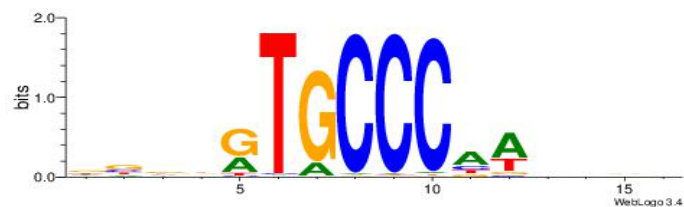
Motif ID:	UP00035
Motif name:	Hic1_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	11
Similarity score:	0.00562779

Alignment:

```
VHHDWTGGGCAMDHBH
-----YSSGCAYGCSS
```

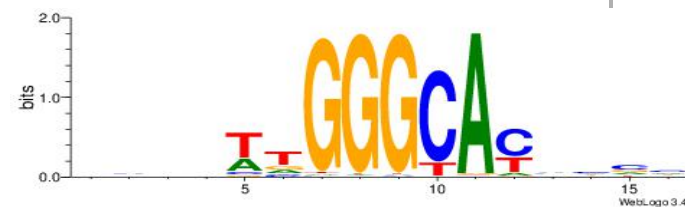
Original motif

Consensus sequence: DBDDRTGCCCAWDHDV



Reverse complement motif

Consensus sequence: VHHDWTGGGCAMDHBH



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: Forward
Position number: 3
Number of overlap: 11
Similarity score: 0.00595984

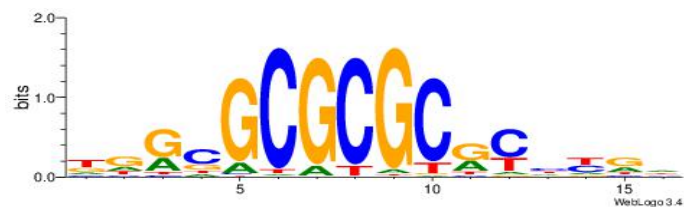
Alignment:

DDGCGCGCGCRCHYRD

--SSGCKTGCSSK---

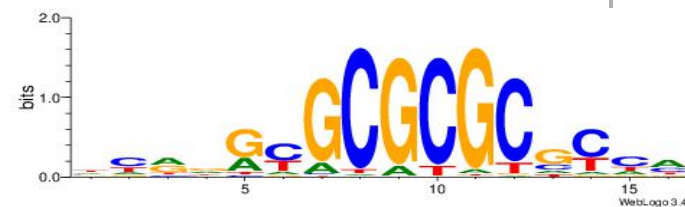
Original motif

Consensus sequence: DDGCGCGCGCRCHYRD



Reverse complement motif

Consensus sequence: DMMDGMGCGCGCGCHD



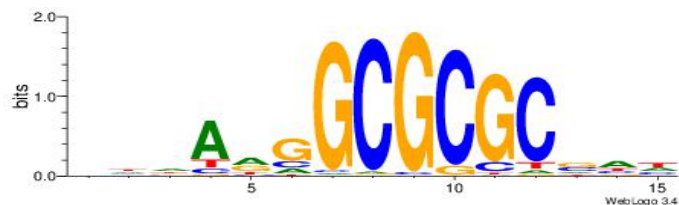
Motif ID: [UP00001](#)
Motif name: E2F2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 11
Similarity score: 0.00821725

Alignment:

HHVGCGCGCCKTDHB
-SSGCKTGCSSK---

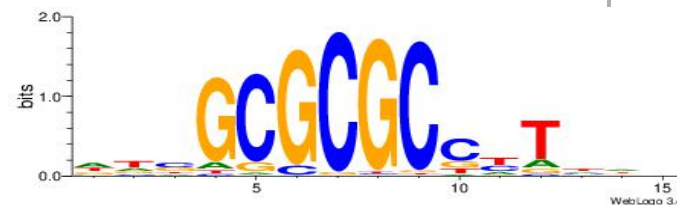
Original motif

Consensus sequence: VHDARGGCGCGCVHH



Reverse complement motif

Consensus sequence: HHVGCGCGCCKTDHB



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

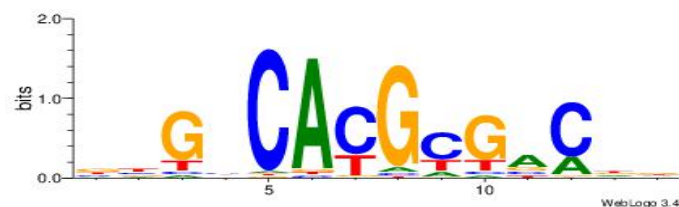
Position number: 1
Number of overlap: 11
Similarity score: 0.0109259

Alignment:

HDGTCGCGTGDCVB
---SSGCKTGCSSK

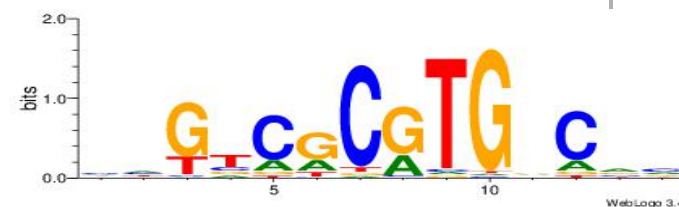
Original motif

Consensus sequence: BBGHCACGCGACDD



Reverse complement motif

Consensus sequence: HDGTCGCGTGDCVB



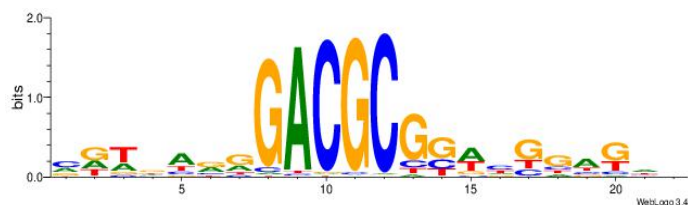
Motif ID: [UP00527](#)
Motif name: Foxn4_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 11
Similarity score: 0.0150199

Alignment:

VDWDARRGACGCGWHGGAHV
---YSSGCAYGCSS-----

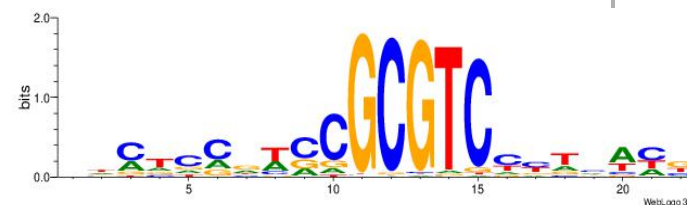
Original motif

Consensus sequence: VDWDARRGACGCGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



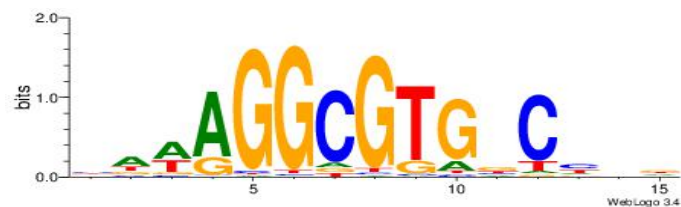
Motif ID: [UP00002](#)
Motif name: Sp4_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 11
Similarity score: 0.0160778

Alignment:

HHDGBCACGCCTWDB
-YSSGCAYGCS---

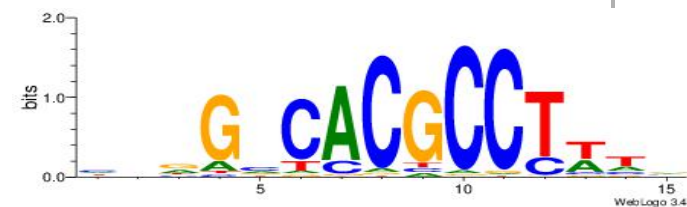
Original motif

Consensus sequence: BDWAGGCGTGBCHHD



Reverse complement motif

Consensus sequence: HHDGBCACGCCTWDB



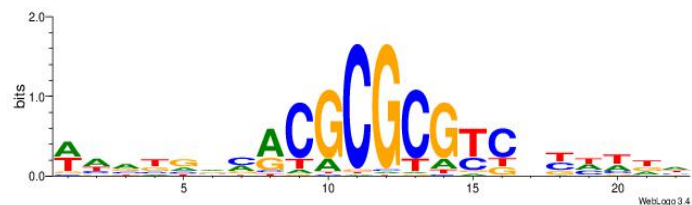
Motif ID: [UP00526](#)
Motif name: Foxn1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.0171602

Alignment:

HDWHMHGACGCGCGTRBVVBHW
-----SSGCKTGCSSK--

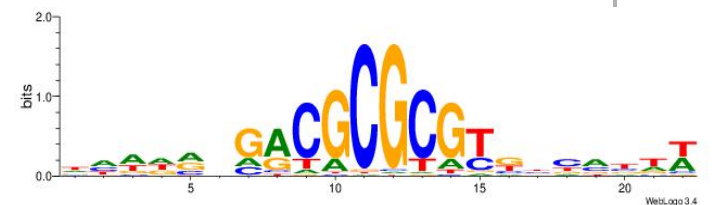
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



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

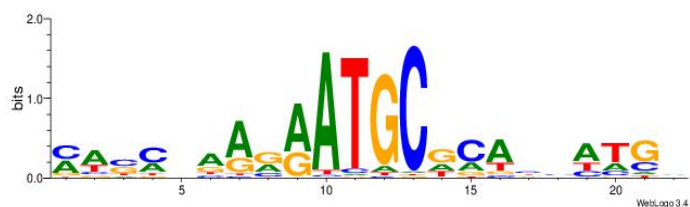
Position number: 6
 Number of overlap: 11
 Similarity score: 0.0172713

Alignment:

DCATDBTGHGCATKMTTBRSWR
 -----YSSGCAYGCSS-----

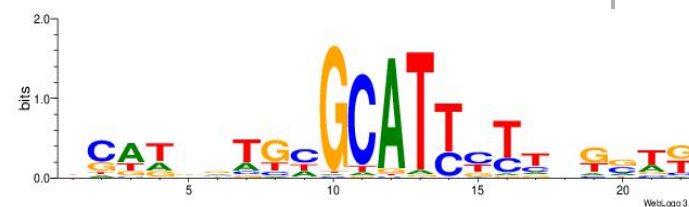
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Dataset #: 4 Motif ID: 79 Motif name: cCGCGGrCACG

Original motif

Consensus sequence: CCGCGGRCACG



Reverse complement motif

Consensus sequence: CGTGKCCGCGG



Best Matches for Motif ID 79 (Highest to Lowest)

Motif ID: [UP00065](#)
 Motif name: Zfp161_primary

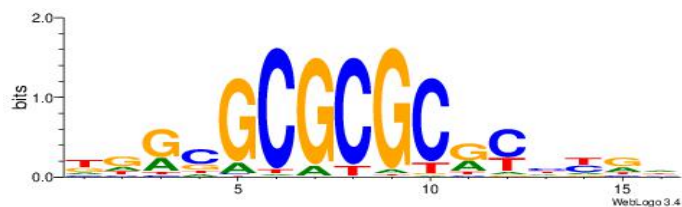
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0220206

Alignment:

DDGCGCGCGCRCHYRD
 ----CCGCGGRCACG-

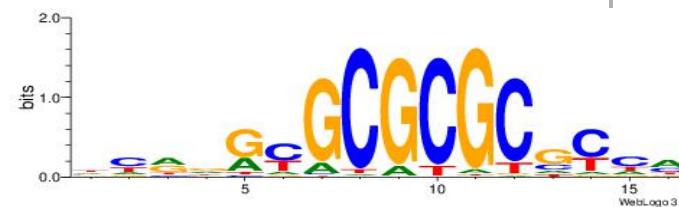
Original motif

Consensus sequence: DDGCGCGCGCRCHYRD



Reverse complement motif

Consensus sequence: DMM DGMGCGCGCGCHD



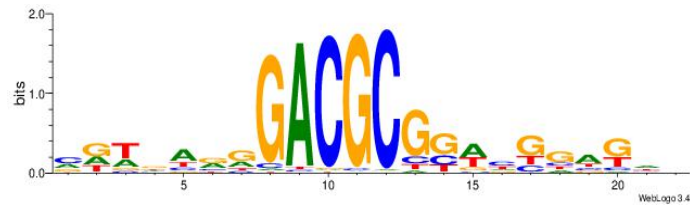
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 9
 Number of overlap: 11
 Similarity score: 0.024575

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
---CGTGKCCGCGG-----

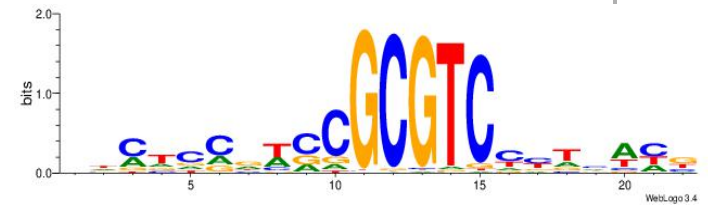
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



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:	3
Number of overlap:	11
Similarity score:	0.0279366

Alignment:

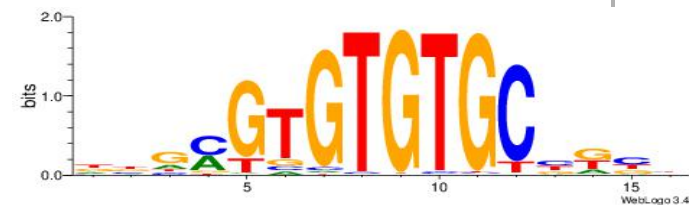
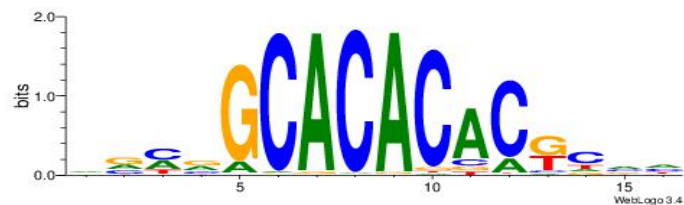
DVMVGCACACACKCVH
--CCGCGGRCACG---

Original motif

Consensus sequence: DVMVGCACACACKCVH

Reverse complement motif

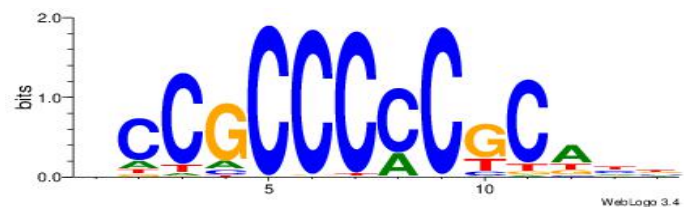
Consensus sequence: HBGYGTGTGTGCVRVD



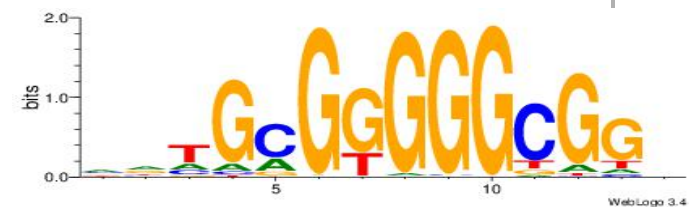
Motif ID: [UP00007](#)
 Motif name: Egr1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0285381

Alignment:
 VHTGCGGGGGCGGH
 -CCGCGGRCACG--

Original motif
 Consensus sequence: HCCGCCCCCGCAHB



Reverse complement motif
 Consensus sequence: VHTGCGGGGGCGGH



Motif ID: [UP00050](#)

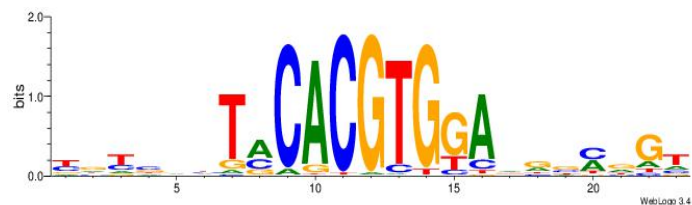
Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 11
 Similarity score: 0.0335378

Alignment:

ACHRBHDTCCACGTGYAHBMMH
 -----CCGCGGRCACG-----

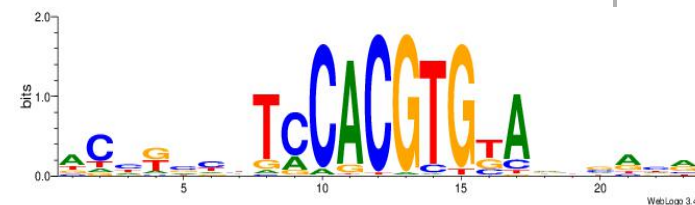
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHBMMH

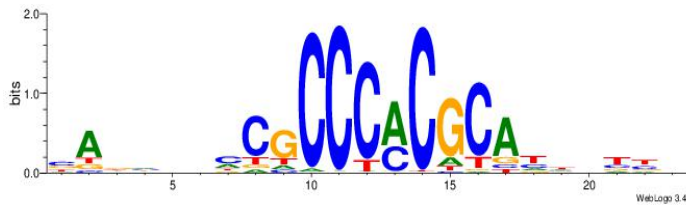


Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 11

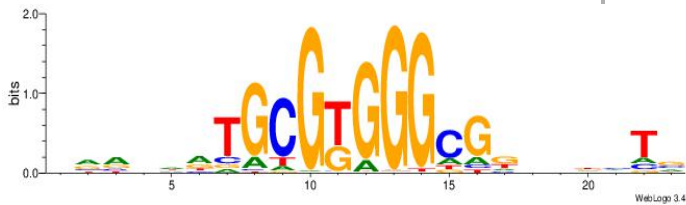
Similarity score: 0.0340428

Alignment:
VVVDHHTGCGYGGGCGDHHHTB
-----CCGCGGRCACG-----

Original motif
Consensus sequence: BADHBDHCGCCCMCGCAHDBBV



Reverse complement motif
Consensus sequence: VVVDHHTGCGYGGGCGDHHHTB

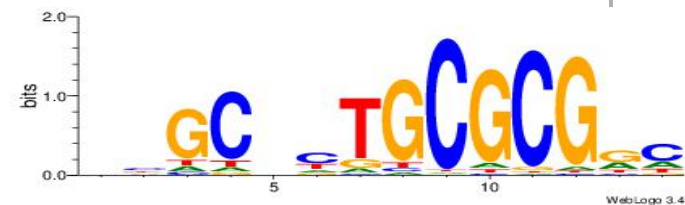
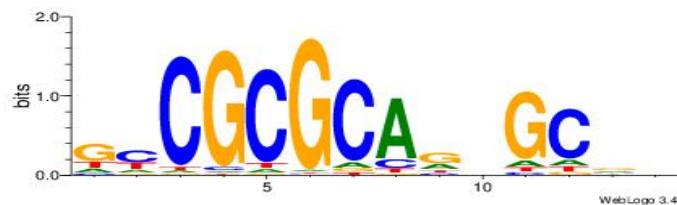


Motif ID: [UP00065](#)
Motif name: Zfp161_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 11
Similarity score: 0.0345855

Alignment:
GYCGCGCARBGCVB
-CCGCGGRCACG--

Original motif
Consensus sequence: GYCGCGCARBGCVB

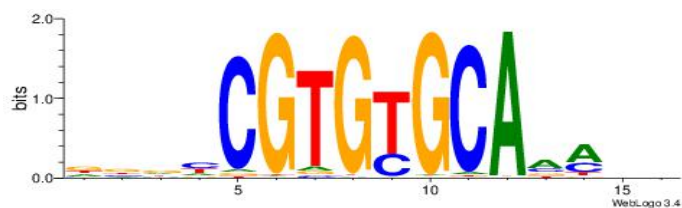
Reverse complement motif
Consensus sequence: VVGCVMTGCGCGKC



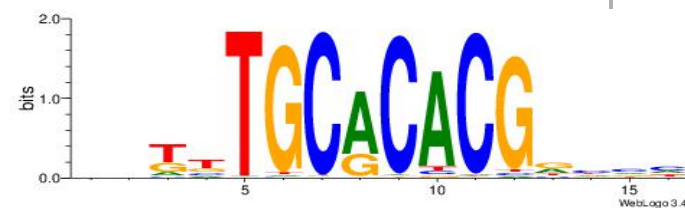
Motif ID: [UP00097](#)
 Motif name: Mtf1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0350434

Alignment:
 DBDHCGTGTGCAAMDH
 ---CCGCGGRCACG--

Original motif
 Consensus sequence: DBDHCGTGTGCAAMDH



Reverse complement motif
 Consensus sequence: HDYTTGCACACGDHBH



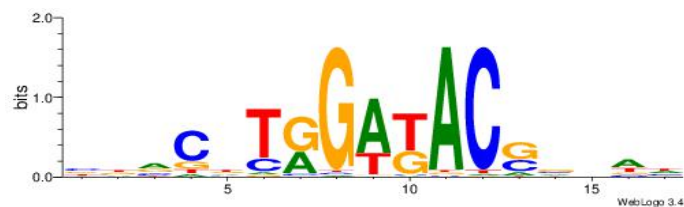
Motif ID: [UP00076](#)
 Motif name: Rfxdc2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0359928

Alignment:

HDDVSGTRTCMADGBVB
 ----CGTGKCCGCGG--

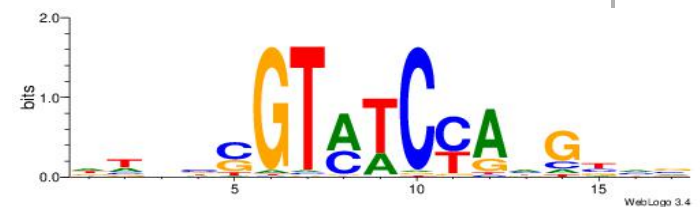
Original motif

Consensus sequence: BBVCDTRGAKACSVDDH



Reverse complement motif

Consensus sequence: HDDVSGTRTCMADGBVB



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: 3

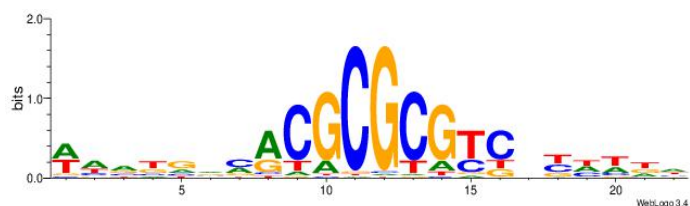
Number of overlap: 11
Similarity score: 0.0361963

Alignment:

HDWHMHGACGCGCGTRBVVBHW
-----CCGCGGRCACG--

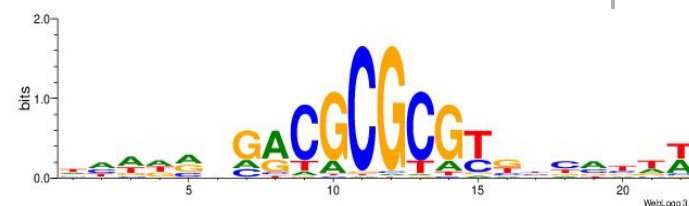
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



Dataset #: 4 **Motif ID: 80** **Motif name: taaacgatgcc**

Original motif

Consensus sequence: TAAACGATGCC



Reverse complement motif

Consensus sequence: GGCATCGTTTA



Best Matches for Motif ID 80 (Highest to Lowest)

Motif ID: [UP00114](#)
Motif name: Homez
Species: Mus musculus

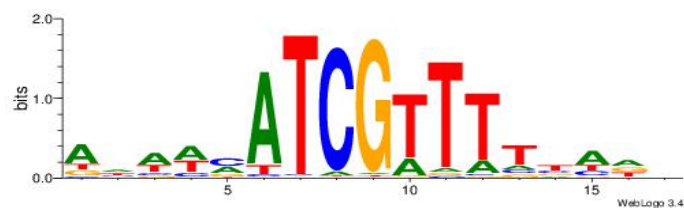
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	11
Similarity score:	0.0207645

Alignment:

```
HDTVAAAACGATRWWHT
----TAAACGATGCC--
```

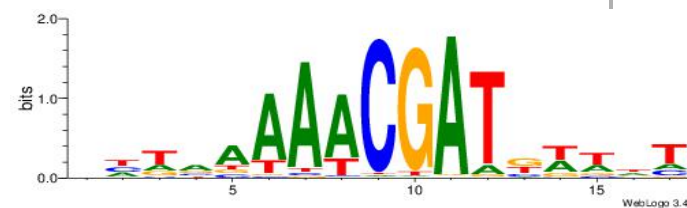
Original motif

Consensus sequence: AHWWMATCGTTTTBADD



Reverse complement motif

Consensus sequence: HDTVAAAACGATRWWHT



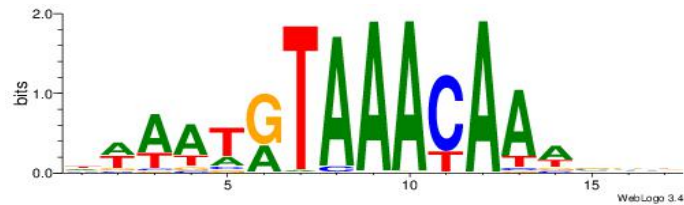
Motif ID:	UP00061
Motif name:	Foxl1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	11
Similarity score:	0.0294316

Alignment:

VVVWTTGTTTAMATTWD
GGCATCGTTTA-----

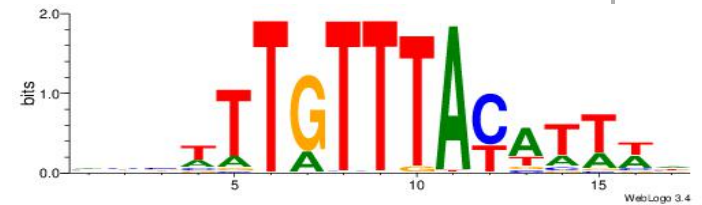
Original motif

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: 1
Number of overlap: 11
Similarity score: 0.030091

Alignment:

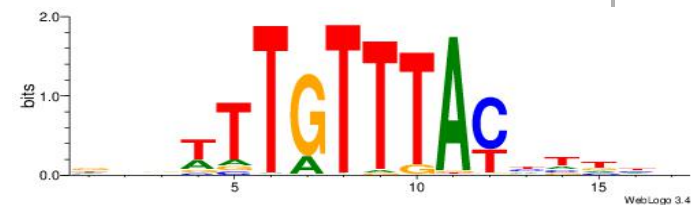
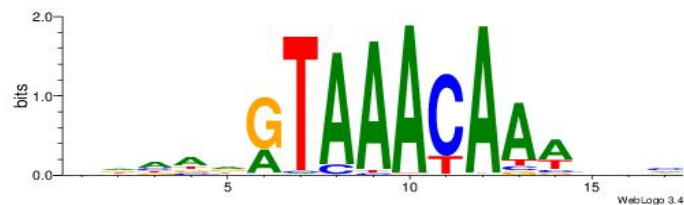
HDHADGTAAACAAVVH
-----TAAACGATGCC

Original motif

Consensus sequence: HDHADGTAAACAAVVH

Reverse complement motif

Consensus sequence: DVVTTTGTTTACDTHDH

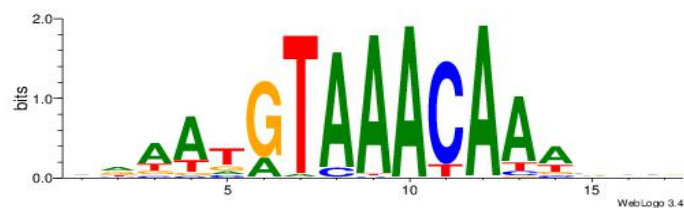


Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0306614

Alignment:
 BBVTTTGTTTACATTDD
 GGCATCGTTTA-----

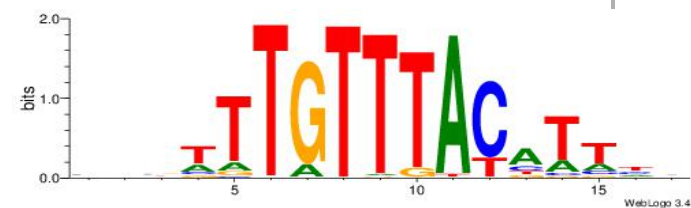
Original motif

Consensus sequence: DDAATGTAAACAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD



Motif ID: [UP00527](#)

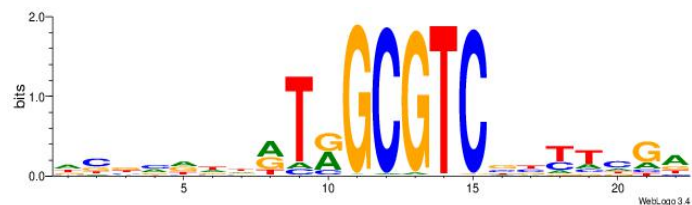
Motif name: Foxn4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10
 Number of overlap: 11
 Similarity score: 0.0342477

Alignment:

DBBVDDDRTRGCGTCBBYTHGA
 -----GGCATCGTTTA--

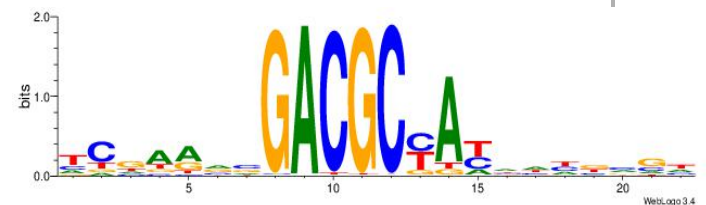
Original motif

Consensus sequence: DBBVDDDRTRGCGTCBBYTHGA



Reverse complement motif

Consensus sequence: TCDAMVBGACGCMKDDDVBBDD



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: Forward
 Position number: 3
 Number of overlap: 11

Similarity score: 0.0345017

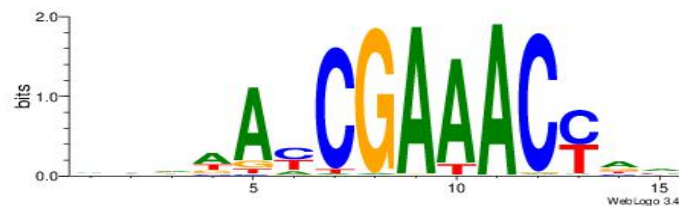
Alignment:

BDKGTTCGKTWDDD

--GGCATCGTTTA--

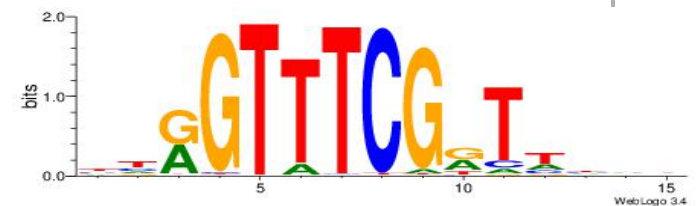
Original motif

Consensus sequence: DDDWAYCGAAACYDV



Reverse complement motif

Consensus sequence: BDKGTTCGKTWDDD



Motif ID: [UP00528](#)
Motif name: Foxm1_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: 0.0351616

Alignment:

VHVRCAYGATGCATCDTVVADTH

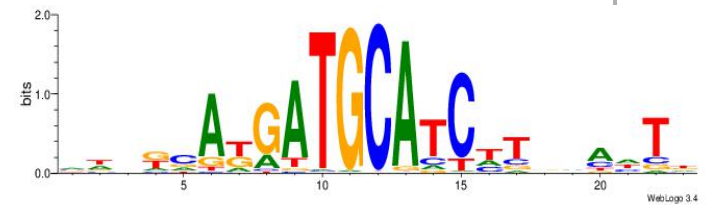
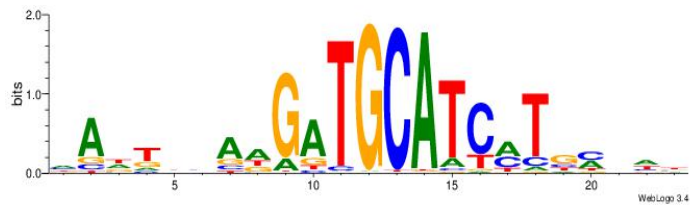
--TAAACGATGCC-----

Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB

Reverse complement motif

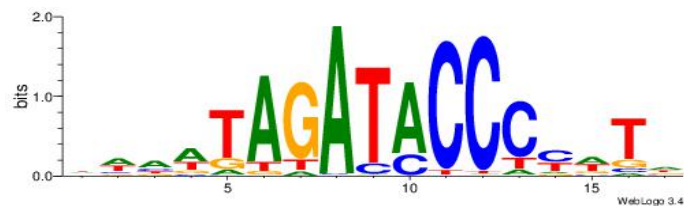
Consensus sequence: VHVRCAYGATGCATCDTVVADTH



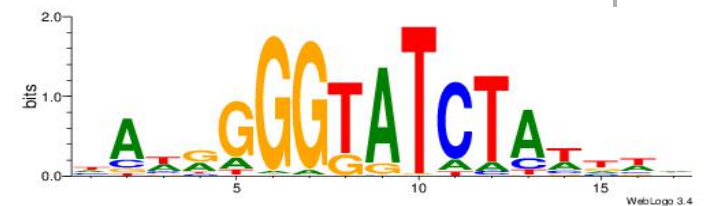
Motif ID: [UP00232](#)
 Motif name: Dobox4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0371486

Alignment:
 DAWKGGGTATCTAWHWH
 -----GGCATCGTTTA-

Original motif
 Consensus sequence: HWHWTAGATACCCYWTD



Reverse complement motif
 Consensus sequence: DAWKGGGTATCTAWHWH



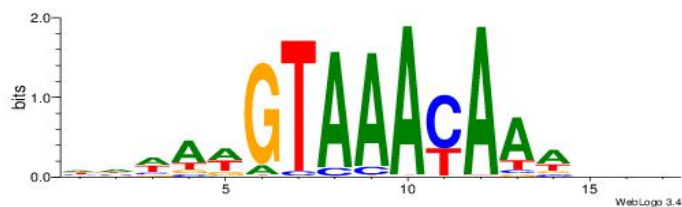
Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0384798

Alignment:

BDVTTTKTTTACWTWHH
 GGCATCGTTTA-----

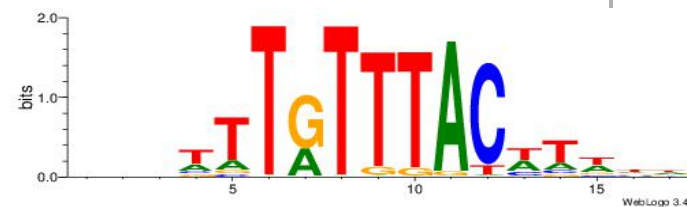
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



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

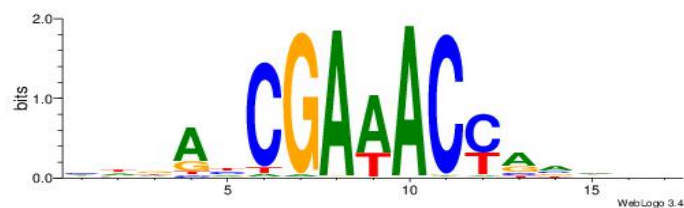
Number of overlap: 11
Similarity score: 0.0388532

Alignment:

DHDBTKGTTTCGHTHDD
-----GGCATCGTTTA--

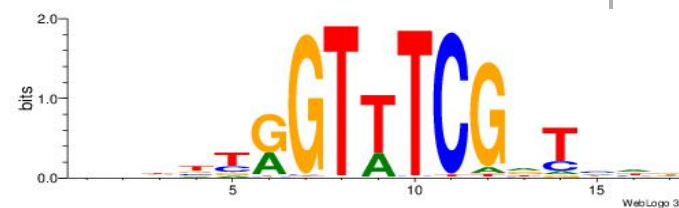
Original motif

Consensus sequence: HDDAHCGAAACYAVDDD



Reverse complement motif

Consensus sequence: DHDBTKGTTTCGHTHDD



Dataset #: 4 **Motif ID: 81** **Motif name: ctatacggacg**

Original motif

Consensus sequence: CTATACGGACG



Reverse complement motif

Consensus sequence: CGTCCGTATAG



Best Matches for Motif ID 81 (Highest to Lowest)

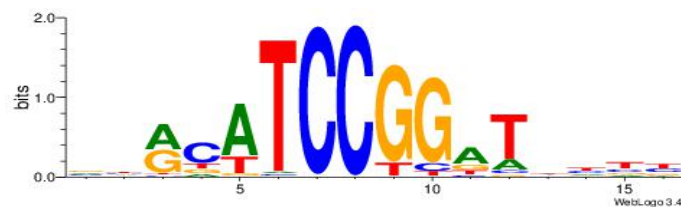
Motif ID: [UP00038](#)
Motif name: Spdef_primary
Species: Mus musculus

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:	0.027939

Alignment:
VVHHATCCGGATGKHV
--CTATACGGACG---

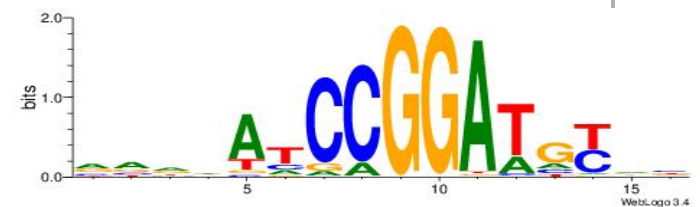
Original motif

Consensus sequence: VHRCATCCGGATHHBB



Reverse complement motif

Consensus sequence: VVHHATCCGGATGKHV



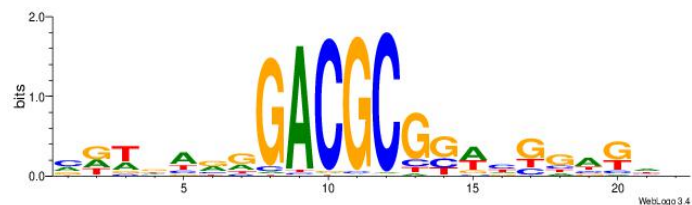
Motif ID:	UP00527
Motif name:	Foxn4_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	11
Similarity score:	0.0308121

Alignment:

VDWDARRGACGCGGWHGGAKHV
CTATACGGACG-----

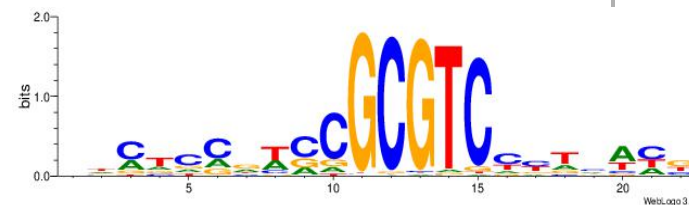
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



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:	1
Number of overlap:	11
Similarity score:	0.0328673

Alignment:

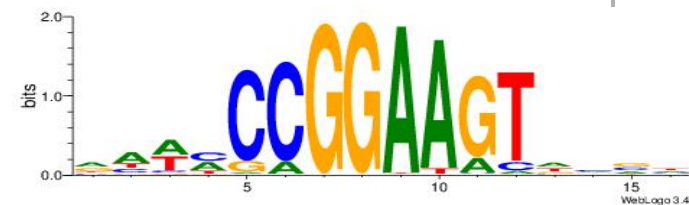
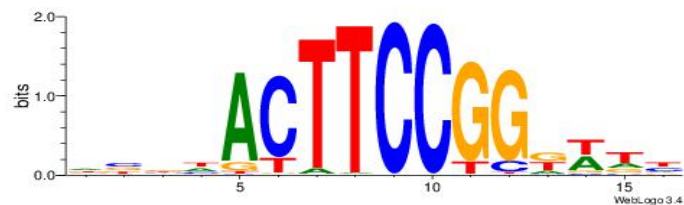
HAWYCCGGAAGTHBBD
CTATACGGACG-----

Original motif

Consensus sequence: DBBHACTTCCGGKWTH

Reverse complement motif

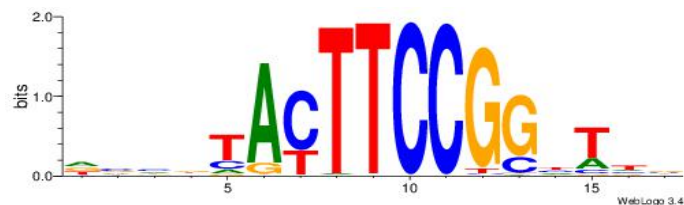
Consensus sequence: HAWYCCGGAAGTHBBD



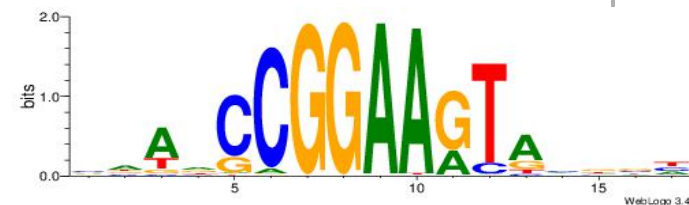
Motif ID: [UP00418](#)
 Motif name: Etv6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0334005

Alignment:
 BHAHCCGGAAGTABDVD
 -----CGTCCGTATAG

Original motif
 Consensus sequence: DVHBTACTTCCGGHTHB



Reverse complement motif
 Consensus sequence: BHAHCCGGAAGTABDVD



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: 1
 Number of overlap: 11
 Similarity score: 0.0336391

Alignment:
 BWAHSMGGAAGTWD
 CTATACGGACG---

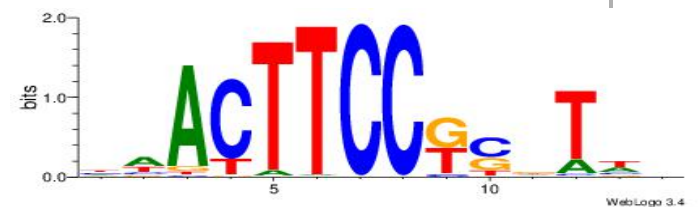
Original motif

Consensus sequence: BWAHSMGGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCRSDTWV



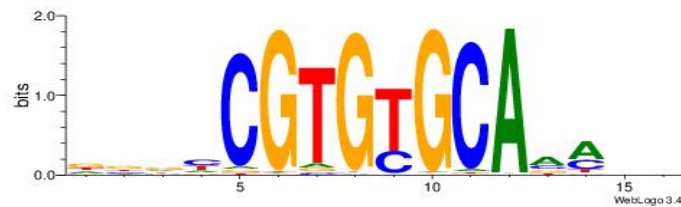
Motif ID: [UP00097](#)
 Motif name: Mtf1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0346533

Alignment:

DBDHCGTGTGCAAMDH
-----CGTCCGTATAG--

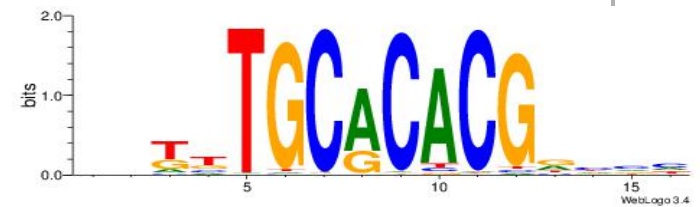
Original motif

Consensus sequence: DBDHCGTGTGCAAMDH



Reverse complement motif

Consensus sequence: HDYTTGCACACGDHBB



Motif ID:	UP00135
Motif name:	Hoxc12
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:	0.0360998

Alignment:

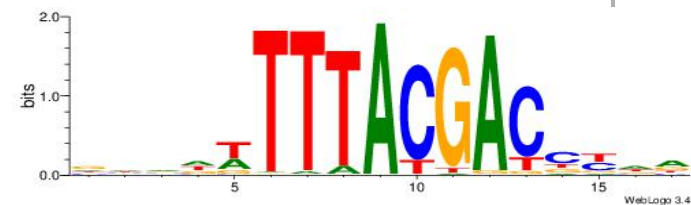
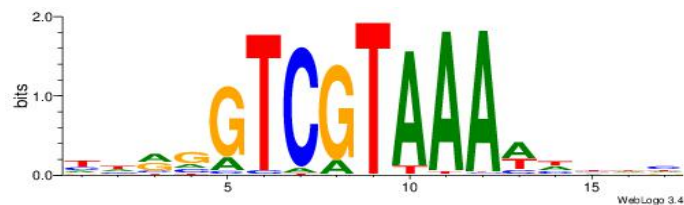
DDVHWTTTACGACCKHH
-----CTATACGGACG--

Original motif

Consensus sequence: HHRGGTCGTAAAWHBDH

Reverse complement motif

Consensus sequence: DDVHWTTTACGACCKHH

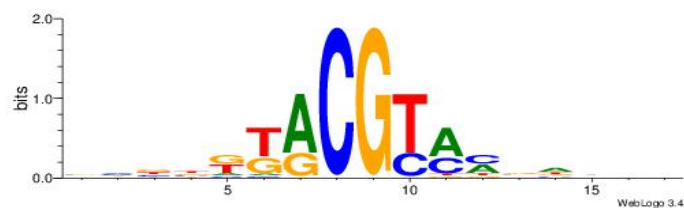


Motif ID: [UP00084](#)
 Motif name: Gmeb1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0365466

Alignment:
 BVVDVRYACGTRYVBHB
 ----CGTCCGTATAG--

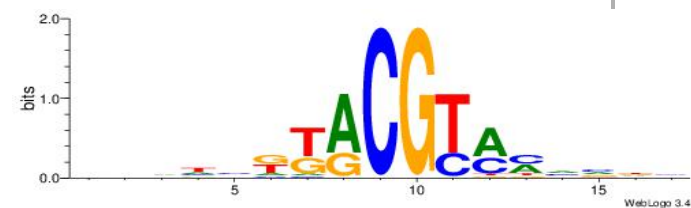
Original motif

Consensus sequence: BHBBKKACGTMMVDBVB



Reverse complement motif

Consensus sequence: BVVDVRYACGTRYVBHB



Motif ID: [UP00015](#)

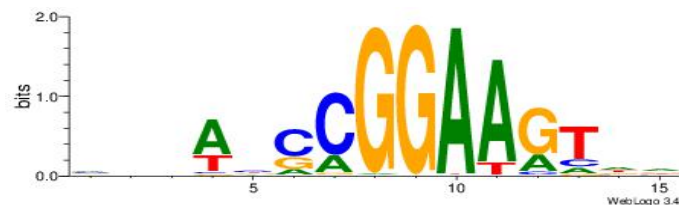
Motif name: Ehf_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0367131

Alignment:

VBDABCCGGAAGTDD
 -CTATACGGACG---

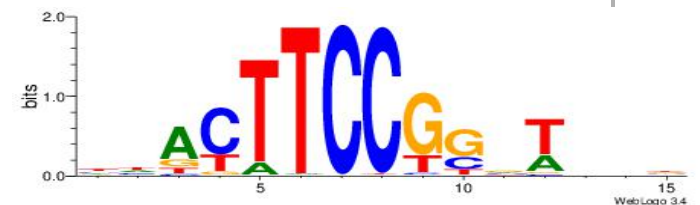
Original motif

Consensus sequence: VBDABCCGGAAGTDD



Reverse complement motif

Consensus sequence: DDACTTCCGGBTHBB



Motif ID: [UP00421](#)
 Motif name: Etv1
 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: 0.0373

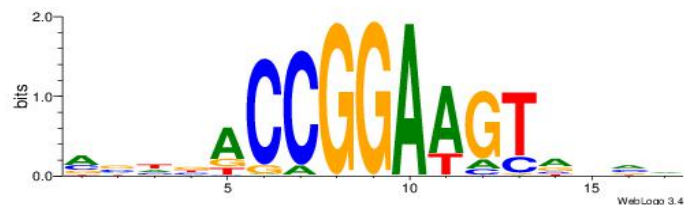
Alignment:

HBDBACTTCCGGTBHVY

-----CGTCCGTATAG--

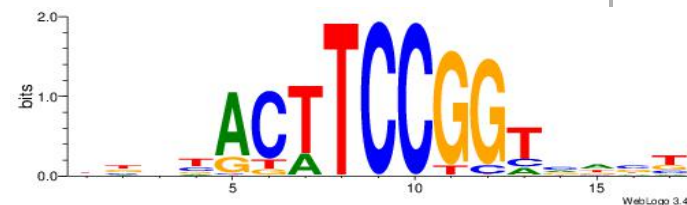
Original motif

Consensus sequence: MVHBACCGGAAGTVDVH



Reverse complement motif

Consensus sequence: HBDBACTTCCGGTBHVY



Dataset #: 4 **Motif ID: 82** **Motif name: gCGCGCsCgsG**

Original motif

Consensus sequence: GCGCGCSCGCG



Reverse complement motif

Consensus sequence: CGCGSGCGCGC



Best Matches for Motif ID 82 (Highest to Lowest)

Motif ID:	UP00065
Motif name:	Zfp161_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement

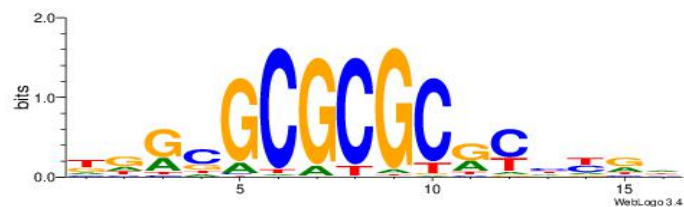
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	11
Similarity score:	0

Alignment:

```
DDGCGCGCGCRCHYRD
-CGCGSGCGCGC-----
```

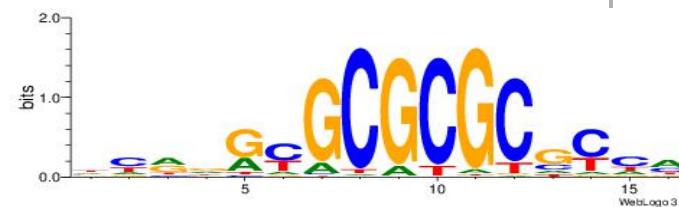
Original motif

Consensus sequence: DDGCGCGCGCRCHYRD



Reverse complement motif

Consensus sequence: DMMDGMGCGCGCGCHD



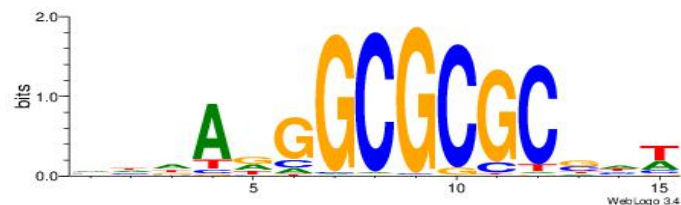
Motif ID:	UP00003
Motif name:	E2F3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	11
Similarity score:	0.0102009

Alignment:

WHSGCGCGCCHTDHB
CGCGSGCGCGC-----

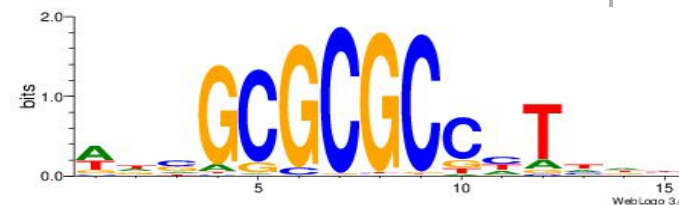
Original motif

Consensus sequence: VHDADGGCGCGCSHW



Reverse complement motif

Consensus sequence: WHSGCGCGCCHTDHB



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:	1
Number of overlap:	11
Similarity score:	0.0124455

Alignment:

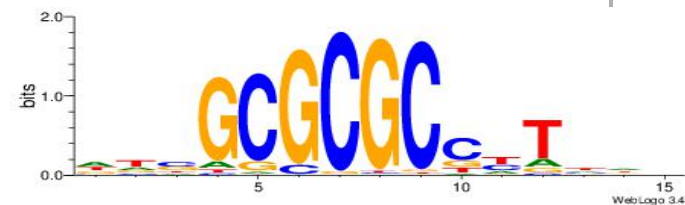
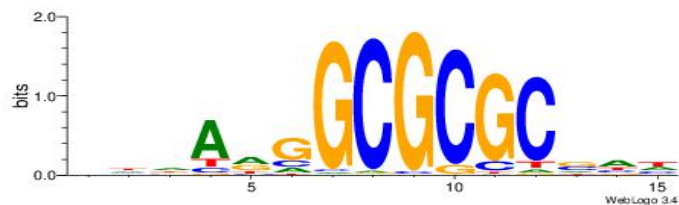
HHVGCGCGCCKTDHB
CGCGSGCGCGC-----

Original motif

Consensus sequence: VHDARGGCGCGCVHH

Reverse complement motif

Consensus sequence: HHVGCGCGCCKTDHB

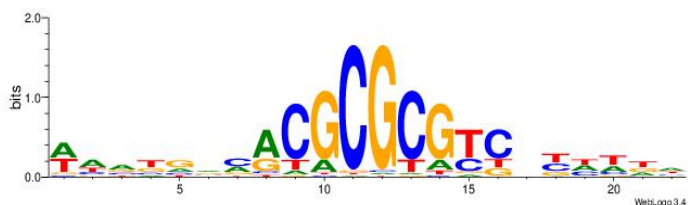


Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 11
 Similarity score: 0.0192204

Alignment:
 WHVBVVMACGCGCGTCDYHWDH
 ----CGCGSGCGCGC-----

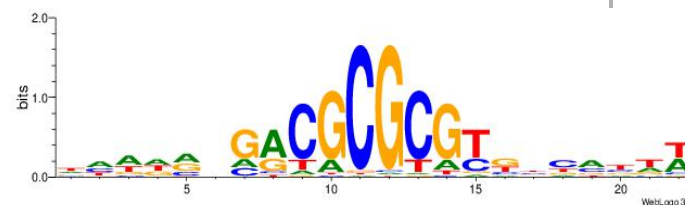
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



Motif ID: [UP00526](#)

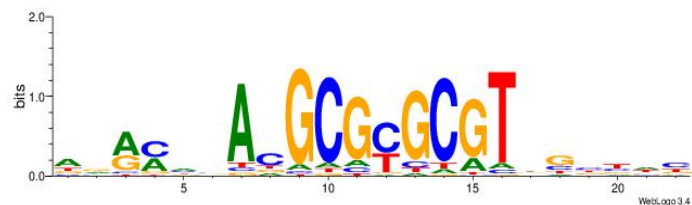
Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 11
 Similarity score: 0.0231982

Alignment:

DDRMHBACGCGYGCGTDGBBDB
 -----CGCGSGCGCGC-----

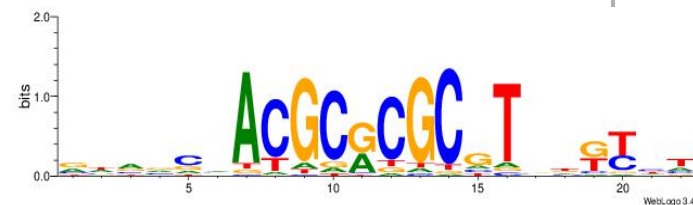
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD

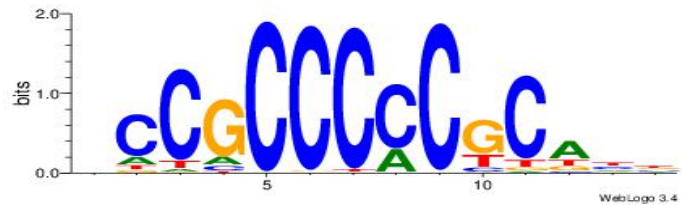


Motif ID: [UP00007](#)
 Motif name: Egr1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11

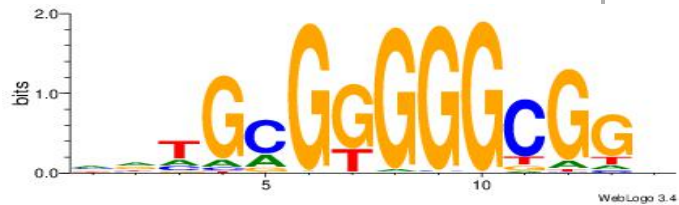
Similarity score: 0.0289369

Alignment:
HCCGCCCCCGCAHB
-GCGCGCSCGCG--

Original motif
Consensus sequence: HCCGCCCCCGCAHB



Reverse complement motif
Consensus sequence: VHTGCGGGGGCGGH

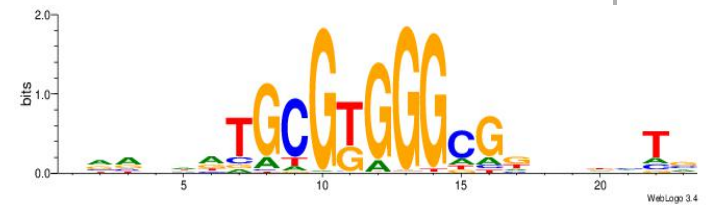
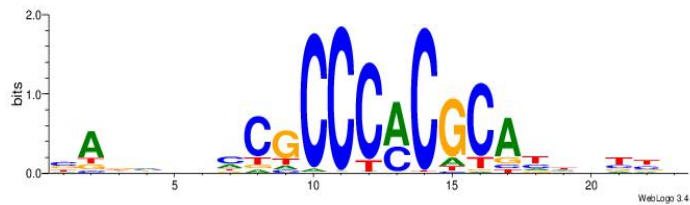


Motif ID: [UP00400](#)
Motif name: Zif268
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 7
Number of overlap: 11
Similarity score: 0.0297254

Alignment:
BADHBDHCGCCCMCGCAHDBBV
-----GCGCGCSCGCG-----

Original motif
Consensus sequence: BADHBDHCGCCCMCGCAHDBBV

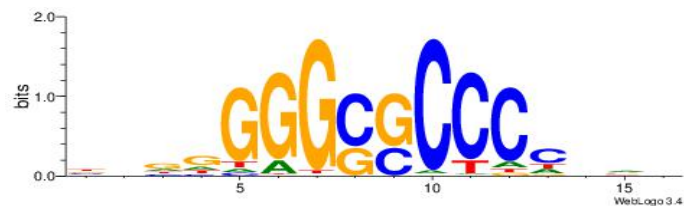
Reverse complement motif
Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB



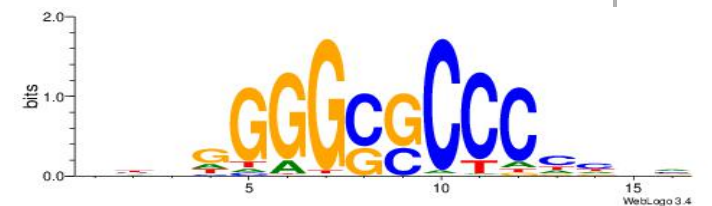
Motif ID: [UP00088](#)
 Motif name: Plagl1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0316913

Alignment:
 BHDGGGGSSCCCCBVV
 -CGCGSGCGCGC-----

Original motif
 Consensus sequence: BHDGGGGSSCCCCBVV



Reverse complement motif
 Consensus sequence: VBVGGGGSSCCCCHHV



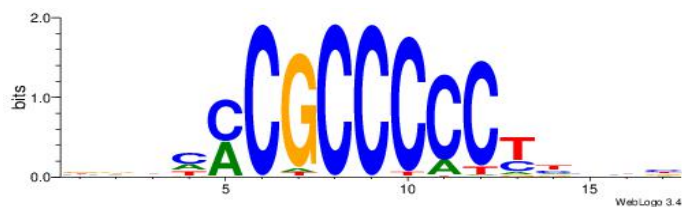
Motif ID: [UP00002](#)
 Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0323627

Alignment:

BVVHAGGGGGCGRDHHB
 ----CGCGSGCGCGC--

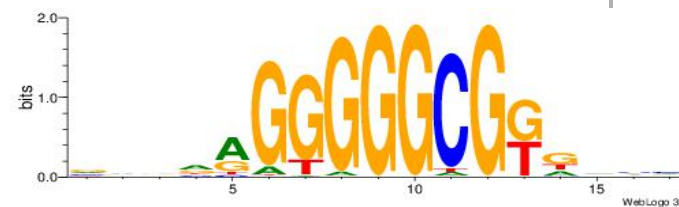
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6

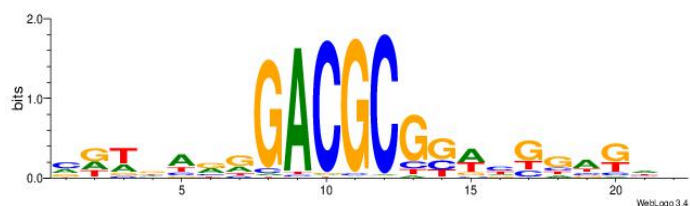
Number of overlap: 11
Similarity score: 0.039112

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
-----CGCGSGCGCGC-----

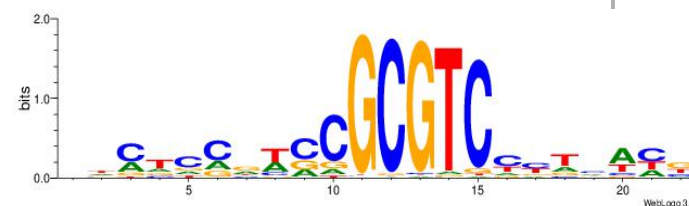
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

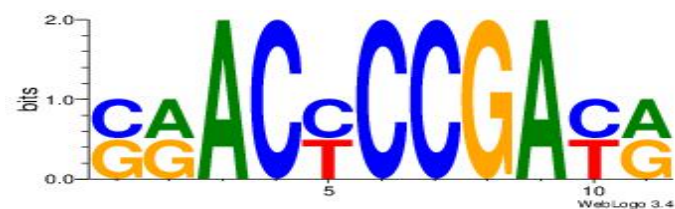
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Dataset #: 4 **Motif ID: 83** **Motif name: srACyCCGAYr**

Original motif

Consensus sequence: SRACYCCGAYR



Reverse complement motif

Consensus sequence: KKTGCGKGTKS



Best Matches for Motif ID 83 (Highest to Lowest)

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:	11
Similarity score:	0.0129914

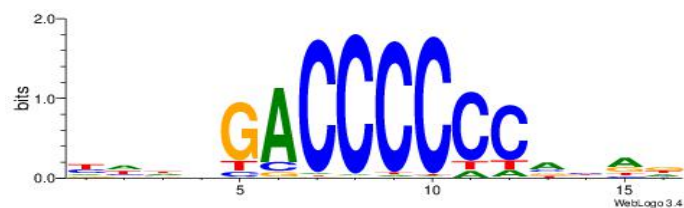
Alignment:

```

HKBBGGGGGGTCTVHHH
--KKTCGGKGTKS---
```

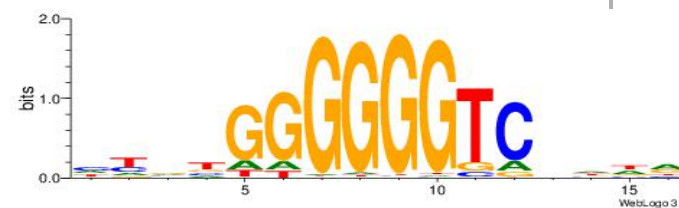
Original motif

Consensus sequence: HHHVGACCCCCCVBRD



Reverse complement motif

Consensus sequence: HKBBGGGGGGTCTVHHH



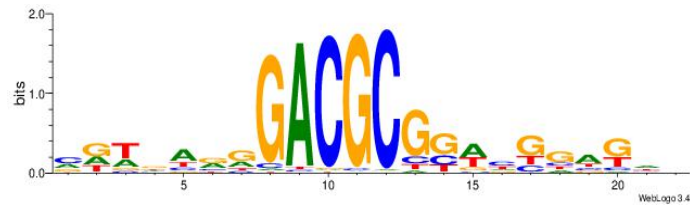
Motif ID:	UP00527
Motif name:	Foxn4_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	7
Number of overlap:	11
Similarity score:	0.013032

Alignment:

VDWDARRGACGCGGWHGGAKHV
-----SRACYCCGAYR-----

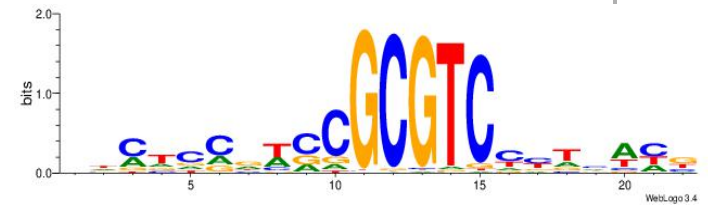
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Motif ID:	UP00070
Motif name:	Gcm1_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:	11
Similarity score:	0.0132459

Alignment:

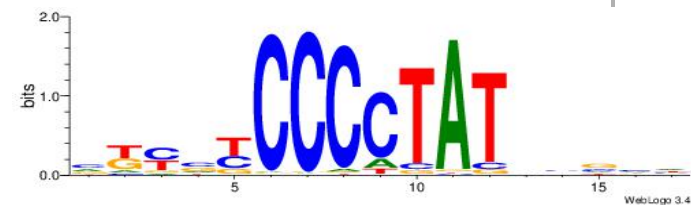
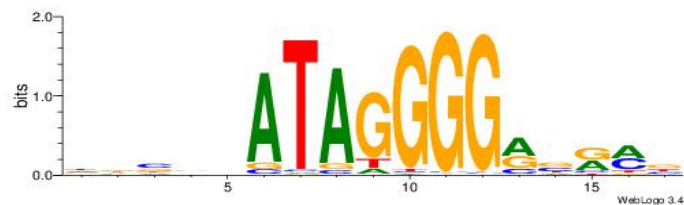
BYMBKCCCCTATDVBHD
--SRACYCCGAYR----

Original motif

Consensus sequence: DDBVHATAGGGGRBRMB

Reverse complement motif

Consensus sequence: BYMBKCCCCTATDVBHD

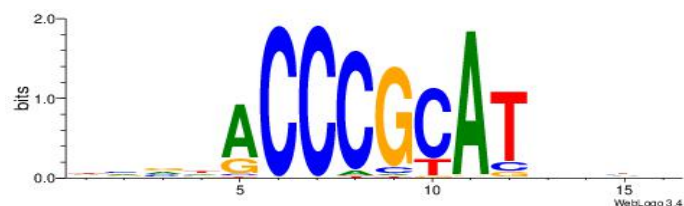


Motif ID: [UP00070](#)
 Motif name: Gcm1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0135374

Alignment:
 HVVHACCCGCATVDHD
 --SRACYCCGAYR---

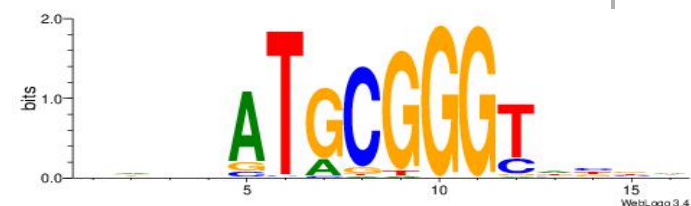
Original motif

Consensus sequence: HVVHACCCGCATVDHD



Reverse complement motif

Consensus sequence: DHDVATGCGGGTHVHH



Motif ID: [UP00021](#)

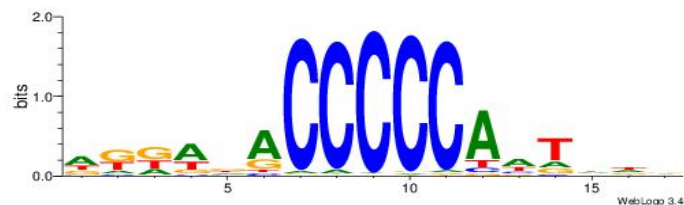
Motif name: Zfp281_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0136908

Alignment:

DKKWDACCCCAHTDDV
 ---SRACYCCGAYR---

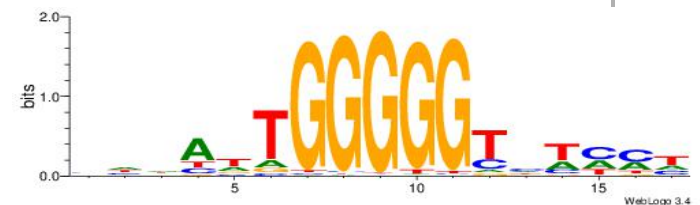
Original motif

Consensus sequence: DKKWDACCCCAHTDDV



Reverse complement motif

Consensus sequence: VDDAHTGGGGGTHWYYD



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: 3
 Number of overlap: 11

Similarity score: 0.0146089

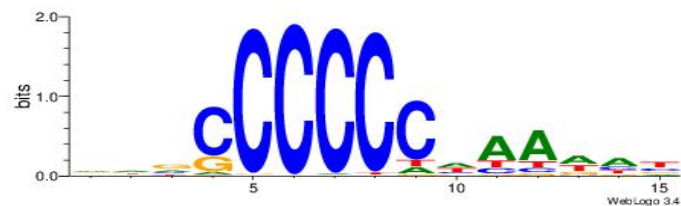
Alignment:

VHWTTHGGGGGGVDD

--KKTCGGKGTKS--

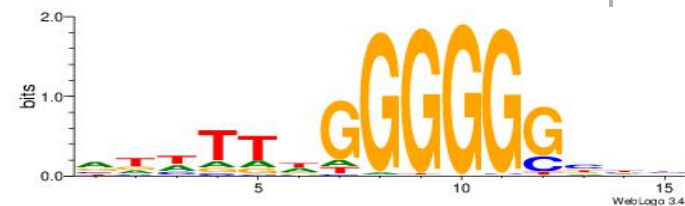
Original motif

Consensus sequence: DDVCCCCCHAAWHB



Reverse complement motif

Consensus sequence: VHWTTHGGGGGGVDD



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: Forward
Position number: 5
Number of overlap: 11
Similarity score: 0.0148195

Alignment:

BDKGTTTCGKTWDDD

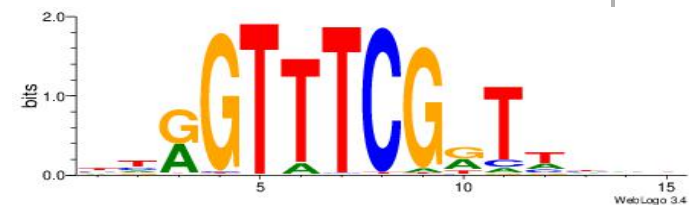
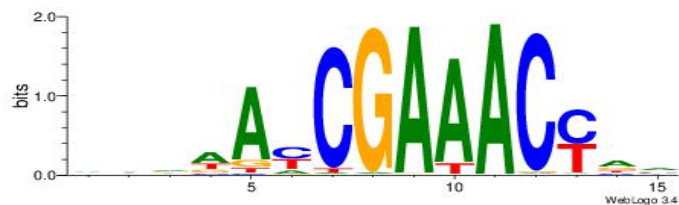
----KKTCGGKGTKS

Original motif

Consensus sequence: DDDWAYCGAAACYDV

Reverse complement motif

Consensus sequence: BDKGTTTCGKTWDDD



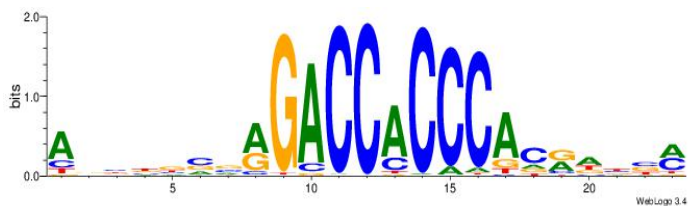
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 9
 Number of overlap: 11
 Similarity score: 0.014859

Alignment:

ABBBBVVRGACCACCCACRDBBM
 -----SRACYCCGAYR-----

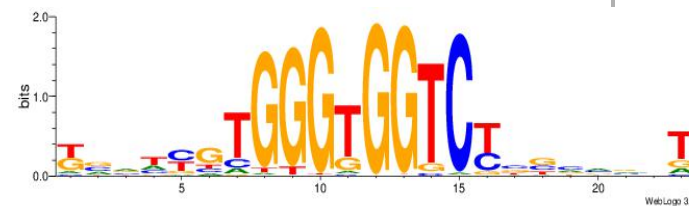
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMGTGGGTGGTCKVVBVBBT



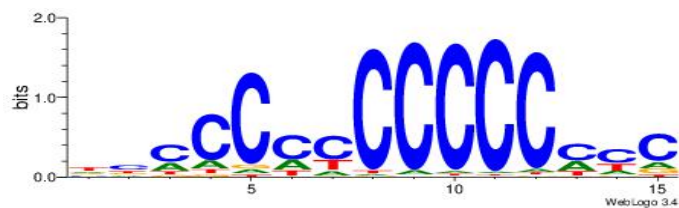
Motif ID: [UP00021](#)
 Motif name: Zfp281_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0153296

Alignment:

GKRGGGGGGGGGGBD
 KKTCGKGTKS-----

Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD



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: Backward
 Position number: 10

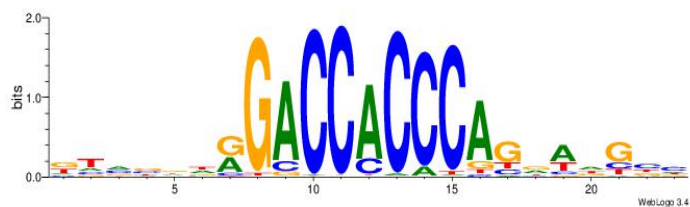
Number of overlap: 11
Similarity score: 0.0155548

Alignment:

DBCDWHCTGGGTGGTCMDHBBAH
---KKTCGGKGTKS-----

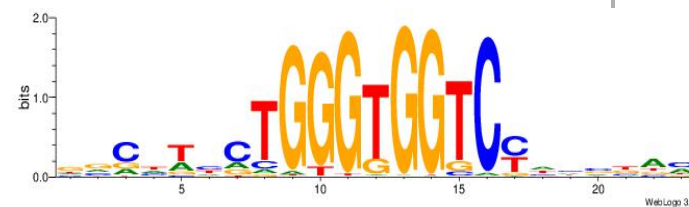
Original motif

Consensus sequence: DTVBDDRGACCACCCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



Dataset #: 5 **Motif ID: 84** **Motif name: TFW3**

Original motif

Consensus sequence: GCACTG



Reverse complement motif

Consensus sequence: CAGTGC



Best Matches for Motif ID 84 (Highest to Lowest)

Motif ID: [UP00031](#)
Motif name: Zbtb3_primary
Species: Mus musculus

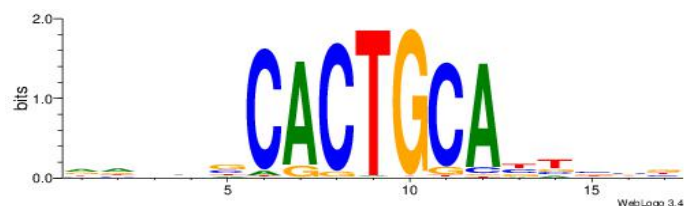
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	8
Number of overlap:	6
Similarity score:	0

Alignment:

```
BBBAVTGCAGTGBBVDD
-----CAGTGC-----
```

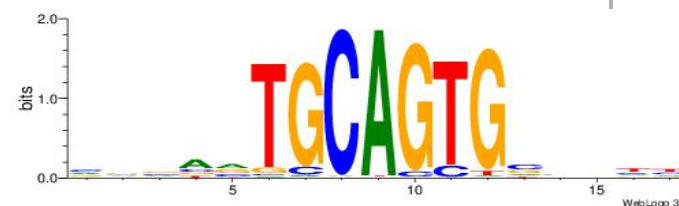
Original motif

Consensus sequence: DDBBBCACTGCABTBBB



Reverse complement motif

Consensus sequence: BBBAVTGCAGTGBBVDD



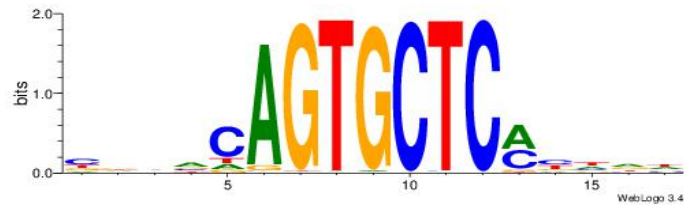
Motif ID:	UP00095
Motif name:	Zfp691_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	8
Number of overlap:	6
Similarity score:	0.020963

Alignment:

DDHBYGAGCACTGBHBB
-----GCACTG-----

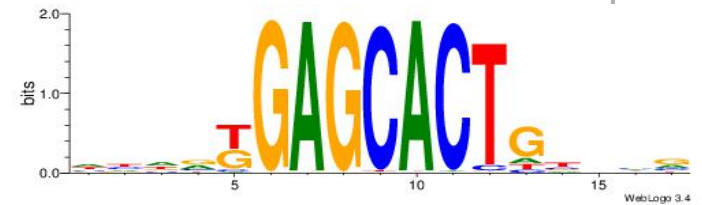
Original motif

Consensus sequence: BDHVCAGTGCTCMBHDD



Reverse complement motif

Consensus sequence: DDHBYGAGCACTGBHBB



Motif ID:	UP00031
Motif name:	Zbtb3_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:	6
Similarity score:	0.0248871

Alignment:

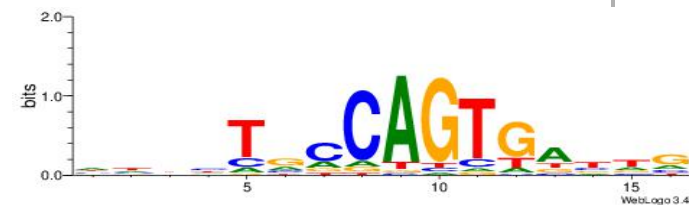
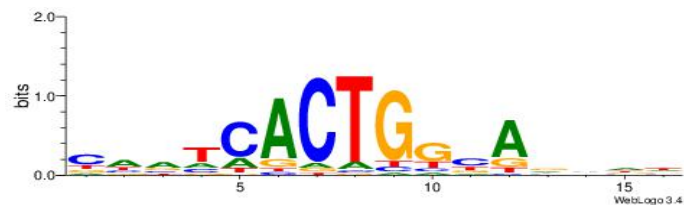
DDHHTBCCAGTGABHG
-----CAGTGC----

Original motif

Consensus sequence: CHVTCAGTGGBADHDD

Reverse complement motif

Consensus sequence: DDHHTBCCAGTGABHG

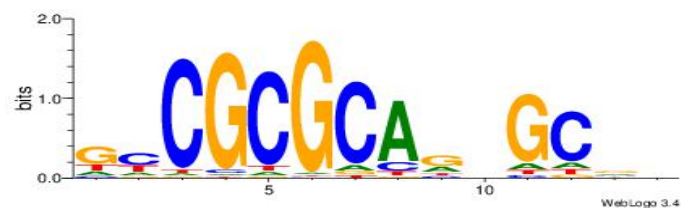


Motif ID: [UP00065](#)
 Motif name: Zfp161_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0.0303167

Alignment:
 GYCGCGCARBGCVB
 -----CAGTGC--

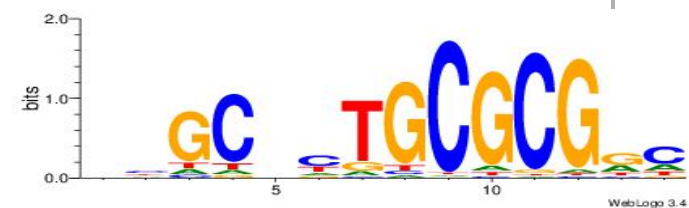
Original motif

Consensus sequence: GYCGCGCARBGCVB



Reverse complement motif

Consensus sequence: VVGCVMTCGCGKC



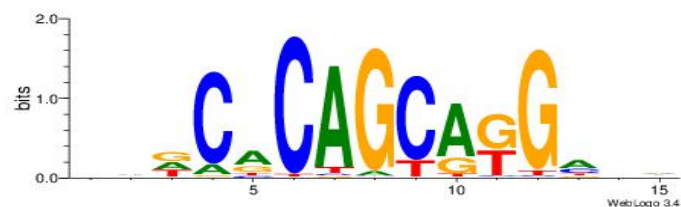
Motif ID: [UP00006](#)

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: 3
 Number of overlap: 6
 Similarity score: 0.0420592

Alignment:
 DVHCYTGCTGTGHDH
 -----CAGTGC--

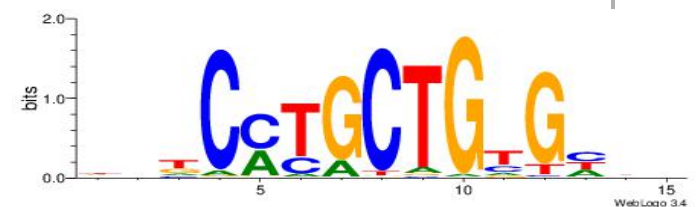
Original motif

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: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 6

Similarity score: 0.0499082

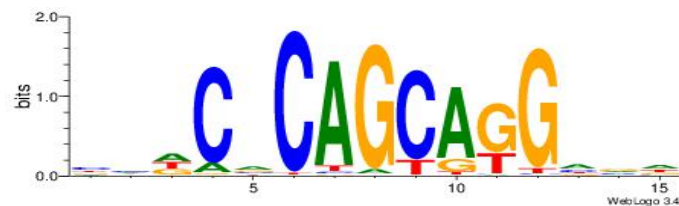
Alignment:

BHDCVCAGCAGGHVD

--GCACTG-----

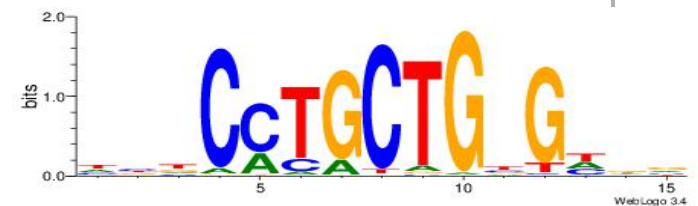
Original motif

Consensus sequence: BHDCVCAGCAGGHVD



Reverse complement motif

Consensus sequence: DVHCCTGCTGBGDDB



Motif ID: [UP00231](#)

Motif name: Nkx2-2

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: 0.0507672

Alignment:

DVDTKTCAAGTGGKBDH

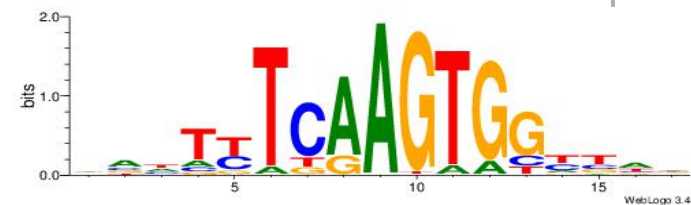
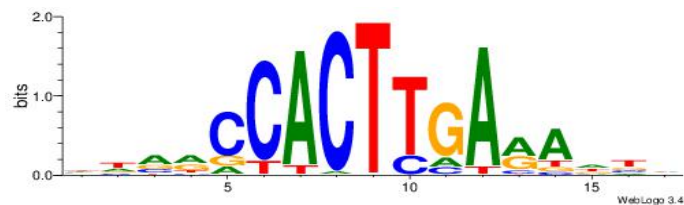
-----CAGTGC-----

Original motif

Consensus sequence: HDVRCCAAGTGGKBDH

Reverse complement motif

Consensus sequence: DVDTKTCAAGTGGKBDH



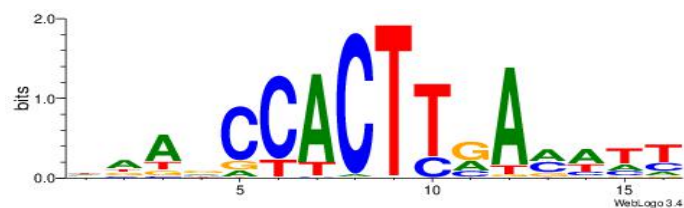
Motif ID: [UP00107](#)
 Motif name: Nkx2-4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 6
 Similarity score: 0.0519322

Alignment:

AAWYTMAAGTGGVTDH
 -----CAGTGC-----

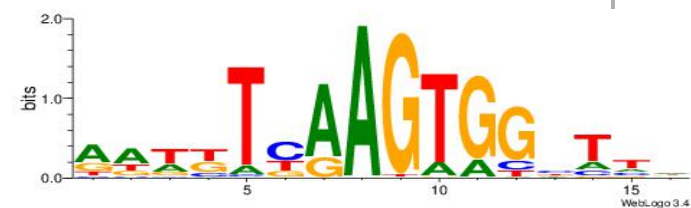
Original motif

Consensus sequence: HDAVCCACTTRAMWTT



Reverse complement motif

Consensus sequence: AAWYTMAAGTGGVTDH



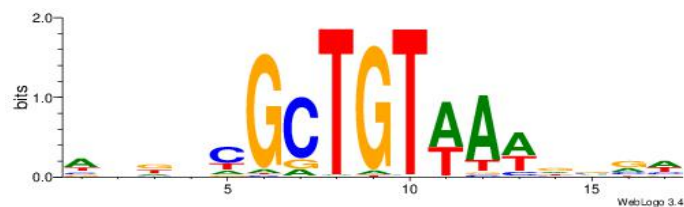
Motif ID: [UP00193](#)
 Motif name: Rhox11_2205.1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 6
 Similarity score: 0.0530479

Alignment:

WVHWTWACAGCGHHVT
 -----CAGTGC----

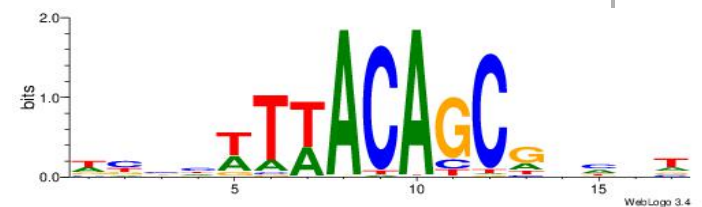
Original motif

Consensus sequence: AVDHCGCTGTAWDVVW



Reverse complement motif

Consensus sequence: WVHWTWACAGCGHHVT



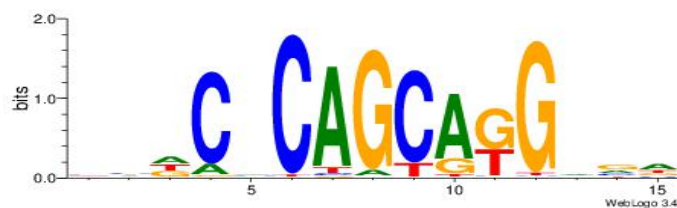
Motif ID: [UP00057](#)
 Motif name: Zic2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8

Number of overlap: 6
Similarity score: 0.0539075

Alignment:
HHDCVCAGCAKGVVD
--GCACTG-----

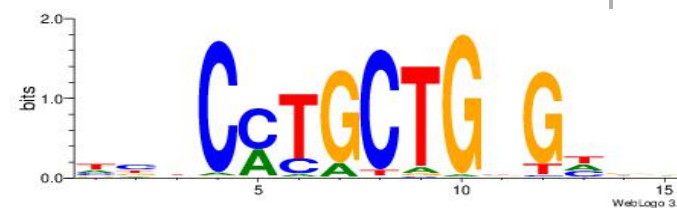
Original motif

Consensus sequence: HHDCVCAGCAKGVVD



Reverse complement motif

Consensus sequence: DVBCYTGCTGBGDDD



Dataset #: 5 Motif ID: 85 Motif name: TFW1

Original motif

Consensus sequence: TTGCGCAA



Reverse complement motif

Consensus sequence: TTGCGCAA



Best Matches for Motif ID 85 (Highest to Lowest)

Motif ID: [UP00045](#)
Motif name: Mafb_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:	8
Similarity score:	0.00957029

Alignment:

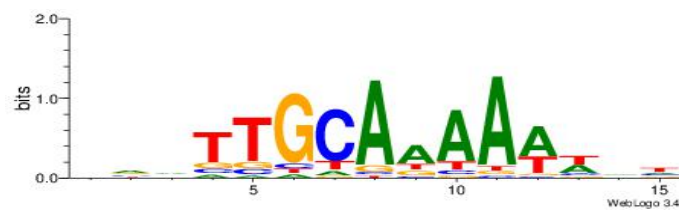
```

HDWWTTTTCGAADB
-----TTGCGCAA-----

```

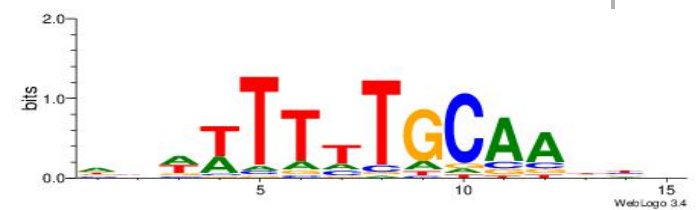
Original motif

Consensus sequence: HVDTTGCAAAWWDH



Reverse complement motif

Consensus sequence: HDWWTTTTCGAADB



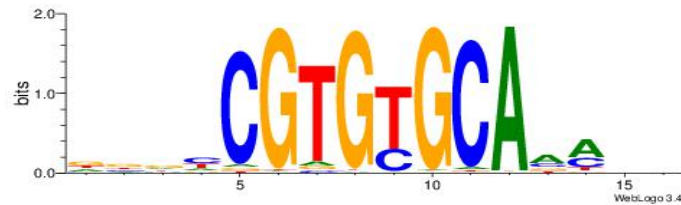
Motif ID:	UP00097
Motif name:	Mtf1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	8
Similarity score:	0.0184619

Alignment:

DBDHCGTGTGCAAMDH
-----TTGCGCAA---

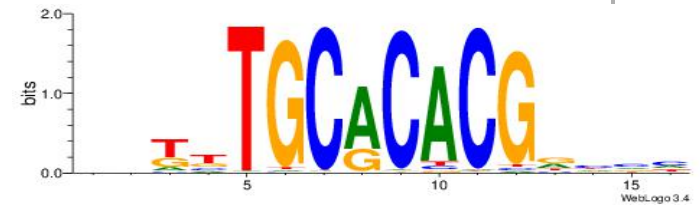
Original motif

Consensus sequence: DBDHCGTGTGCAAMDH



Reverse complement motif

Consensus sequence: HDYTTGCACACGDHBB



Motif ID:	UP00259
Motif name:	Hoxb6
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:	0.0226004

Alignment:

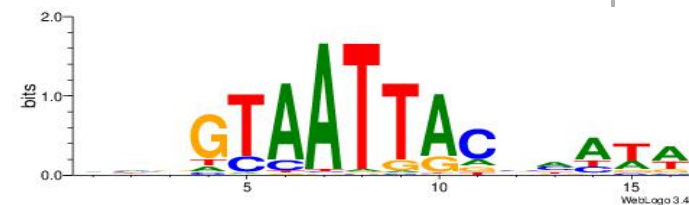
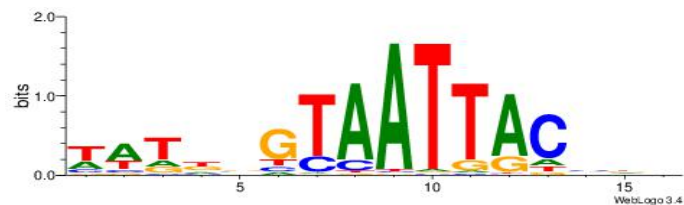
WWTDBGTAATTACVDB
-TTGCGCAA-----

Original motif

Consensus sequence: WWTDBGTAATTACVDB

Reverse complement motif

Consensus sequence: VDVGTAATTACBDAWW

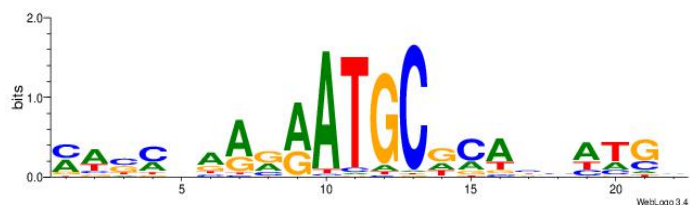


Motif ID: [UP00528](#)
 Motif name: Foxm1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0239956

Alignment:
 DCATDBTGHGCATKMTTBRSWR
 -----TTGCGCAA-----

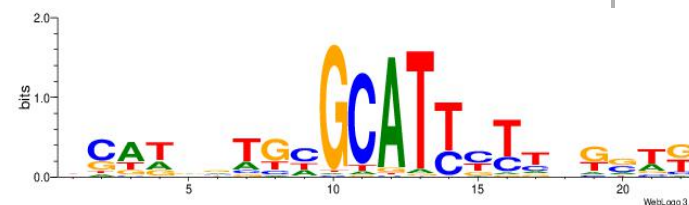
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Motif ID: [UP00035](#)

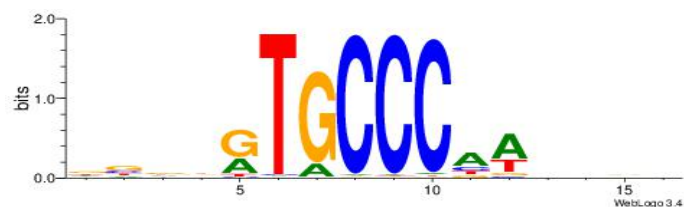
Motif name: Hic1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0261465

Alignment:

VHHDWTGGGCAMDHBH
 ----TTGCGCAA----

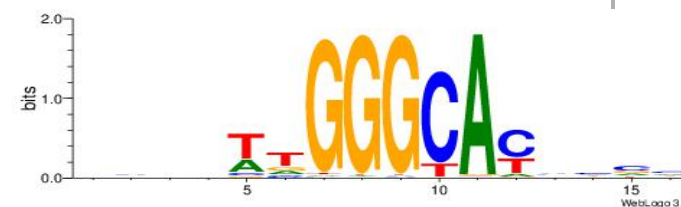
Original motif

Consensus sequence: DBDDRTGCCCCAWDHDV



Reverse complement motif

Consensus sequence: VHHDWTGGGCAMDHBH



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: 0.0272314

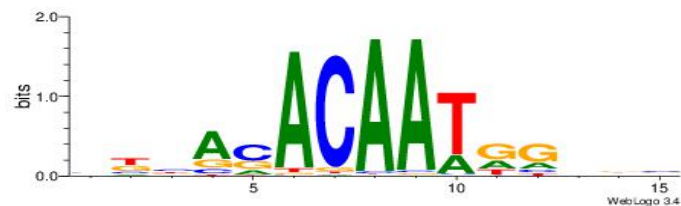
Alignment:

BKBASACAATRGHBB

-TTGCGCAA-----

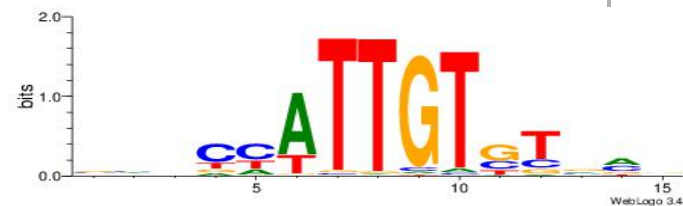
Original motif

Consensus sequence: BKBASACAATRGHBB



Reverse complement motif

Consensus sequence: BBDCMATTGTSTBRB



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: Backward
Position number: 9
Number of overlap: 8
Similarity score: 0.0278778

Alignment:

HBTHVACAATGGGMDHD

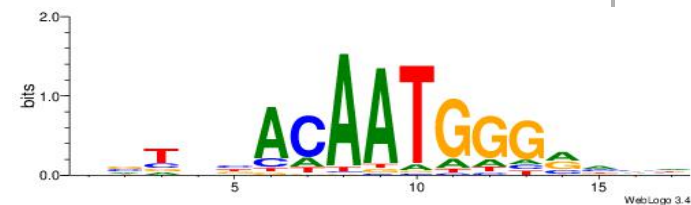
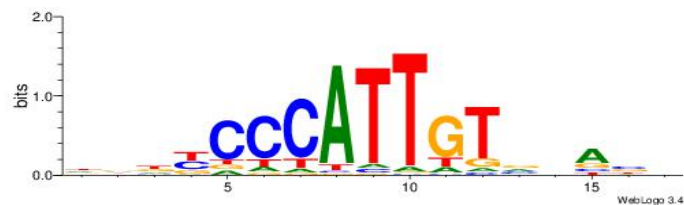
-TTGCGCAA-----

Original motif

Consensus sequence: DDDYCCATTGTVHABH

Reverse complement motif

Consensus sequence: HBTHVACAATGGGMDHD



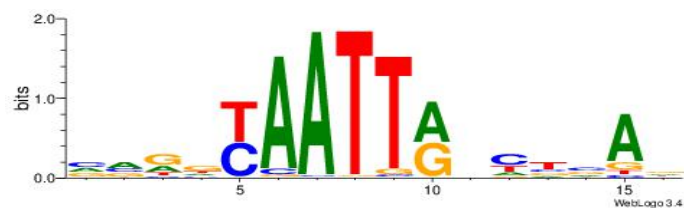
Motif ID: [UP00138](#)
 Motif name: Bsx
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.0281625

Alignment:

VVRDYAATTRBYBVAD
 -----TTGCGCAA-

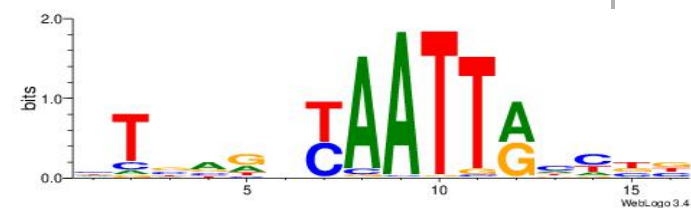
Original motif

Consensus sequence: VVRDYAATTRBYBVAD



Reverse complement motif

Consensus sequence: HTVVKBKAATTMHMBV



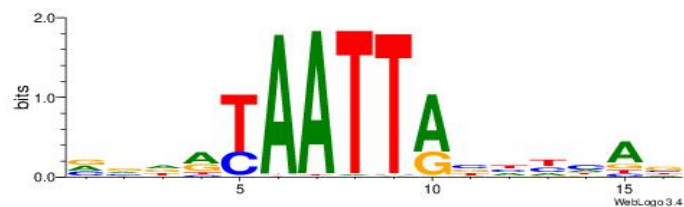
Motif ID: [UP00126](#)
 Motif name: Dlx2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.030109

Alignment:

VVDRTAATTABHHHAB
 -----TTGCGCAA--

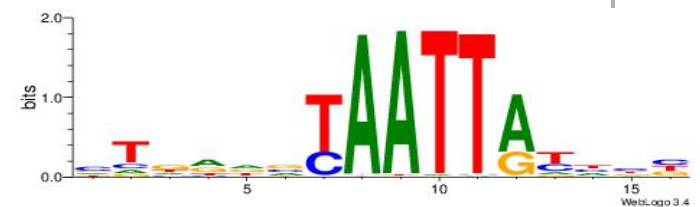
Original motif

Consensus sequence: VVDRTAATTABHHHAB



Reverse complement motif

Consensus sequence: BTDDHHBTAATTAKDVV



Motif ID: [UP00182](#)
 Motif name: Hoxa6
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2

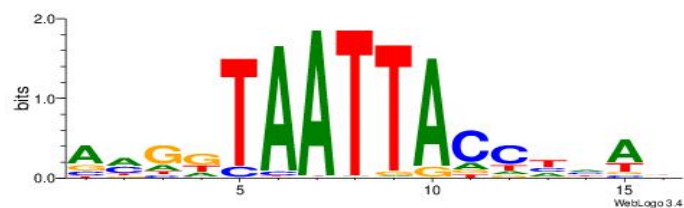
Number of overlap: 8
Similarity score: 0.0308523

Alignment:

AMGKTAATTACCHAD
-----TTGCGCAA-

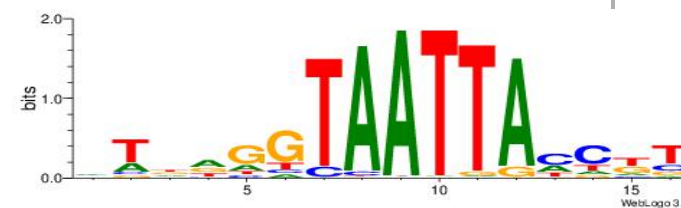
Original motif

Consensus sequence: AMGKTAATTACCHAD



Reverse complement motif

Consensus sequence: DTHHGGTAATTAYCYT



Dataset #: 5 Motif ID: 86 Motif name: TFW2

Original motif

Consensus sequence: YGGACTTACG



Reverse complement motif

Consensus sequence: CGTAAGTCC



Best Matches for Motif ID 86 (Highest to Lowest)

Motif ID: [UP00066](#)
Motif name: Hnf4a_secondary
Species: Mus musculus

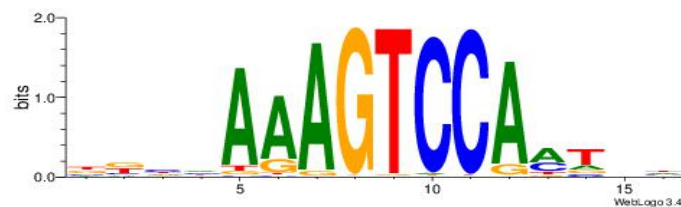
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	10
Similarity score:	0

Alignment:

```
HHAYTGGACTTTTHDBV
----YGGACTTACG--
```

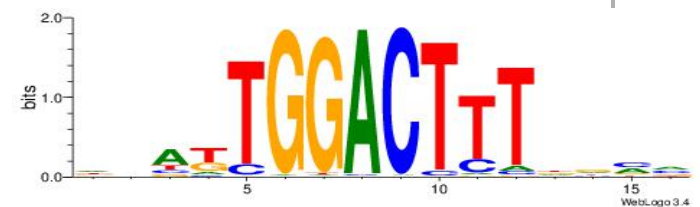
Original motif

Consensus sequence: BBHHAAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTTHDBV



Motif ID:	UP00259
Motif name:	Hoxb6
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:	0.0133265

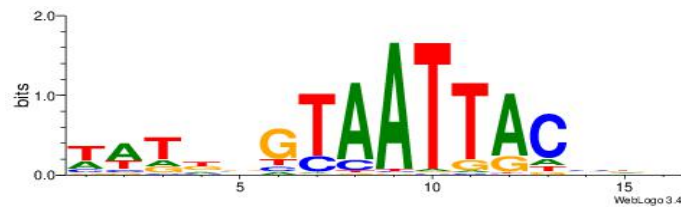
Alignment:

VDVGTAATTACBDAWW

--YGGACTTACG----

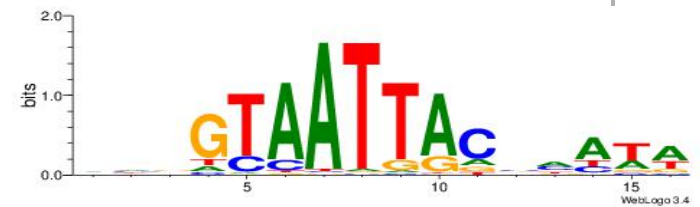
Original motif

Consensus sequence: WWTDBGTAATTACVDB



Reverse complement motif

Consensus sequence: VDVGTAATTACBDAWW



Motif ID:

[UP00228](#)

Motif name:

Bapx1

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:

0.0145352

Alignment:

DTBVTTAAGTGGTTHHV

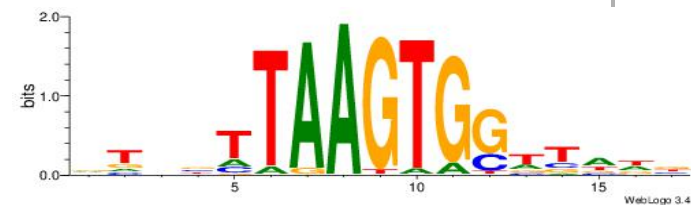
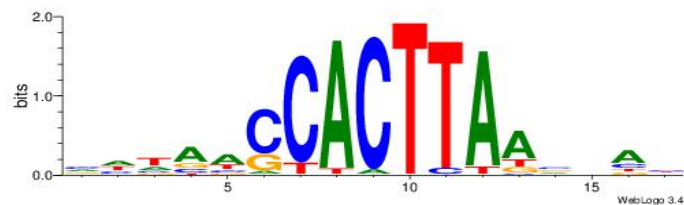
---CGTAAGTCCK----

Original motif

Consensus sequence: VHHAACCACTTAHVVAH

Reverse complement motif

Consensus sequence: DTBVTTAAGTGGTTHHV

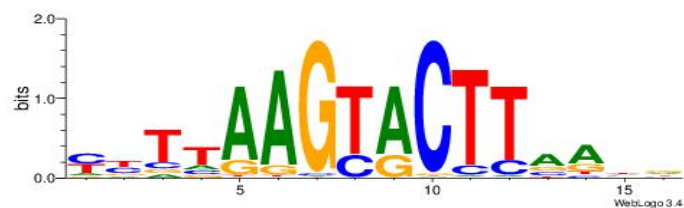


Motif ID: [UP00190](#)
 Motif name: Nkx2-3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0167419

Alignment:
 HHTTAAGTACTTAAMK
 -CGTAAGTCCK-----

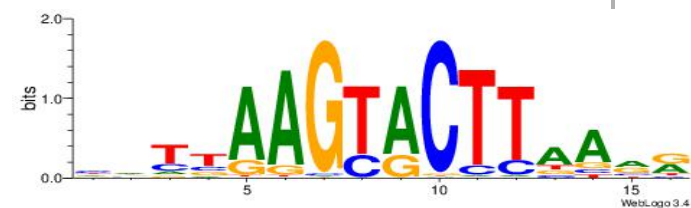
Original motif

Consensus sequence: YYTTAAGTACTTAAHD



Reverse complement motif

Consensus sequence: HHTTAAGTACTTAAAMK



Motif ID: [UP00389](#)

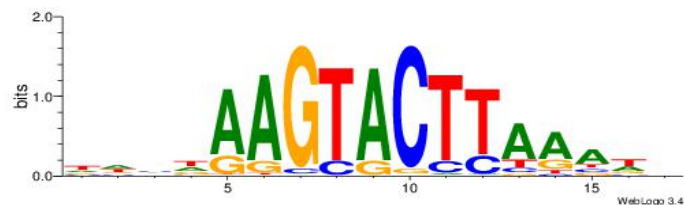
Motif name: Nkx3-1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0201669

Alignment:

BDTTTAAGTACTTDDDD
 --CGTAAGTCCK-----

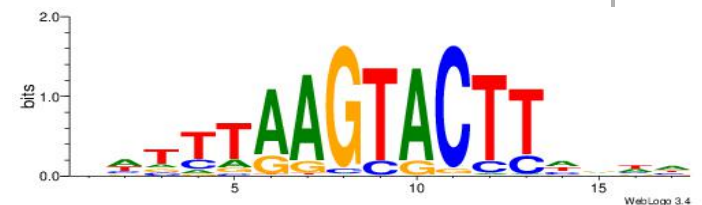
Original motif

Consensus sequence: DDHDAAGTACTTAAADB



Reverse complement motif

Consensus sequence: BDTTTAAGTACTTDDDD



Motif ID: [UP00418](#)
 Motif name: Etv6
 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: 10

Similarity score: 0.0206612

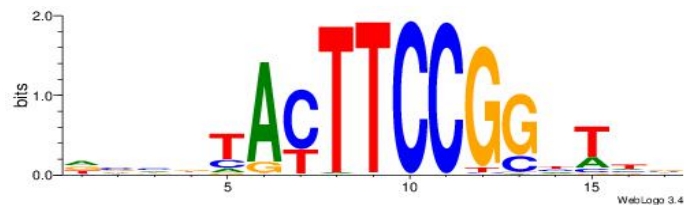
Alignment:

BHAHCCGGAAGTABDVD

-----YGGACTTACG--

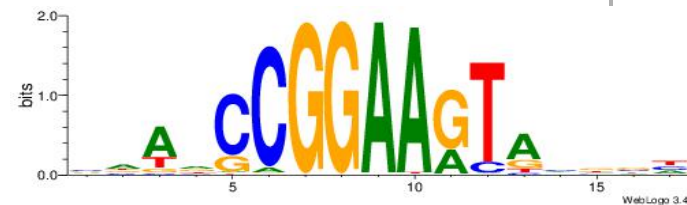
Original motif

Consensus sequence: DVHBTACTTCCGGHTHB



Reverse complement motif

Consensus sequence: BHAHCCGGAAGTABDVD



Motif ID: [UP00112](#)

Motif name: Gsc

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: 0.0208429

Alignment:

BHDMSSGATTAMMDWBH

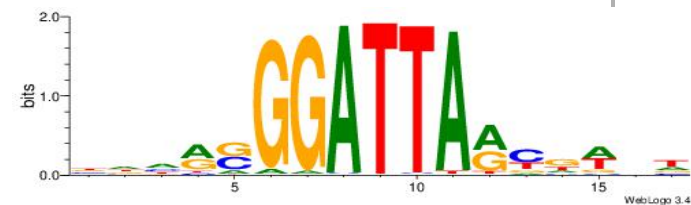
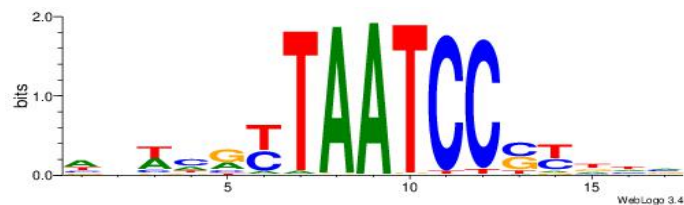
-----YGGACTTACG---

Original motif

Consensus sequence: HVWHRYAATCCSYDHF

Reverse complement motif

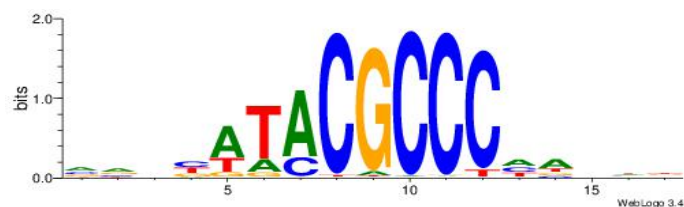
Consensus sequence: BHDMSSGATTAMMDWBH



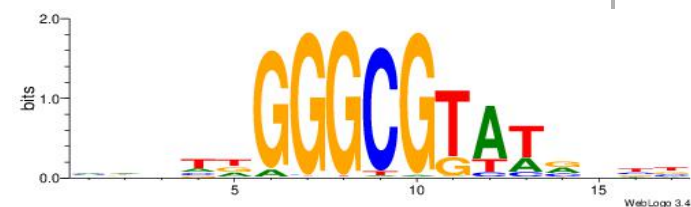
Motif ID: [UP00093](#)
 Motif name: Klf7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0217998

Alignment:
 DHDTHGGGCGTATBHBB
 ----YGGACTTACG----

Original motif
 Consensus sequence: VVDBATACGCCCHAHHD



Reverse complement motif
 Consensus sequence: DHDTHGGGCGTATBHBB



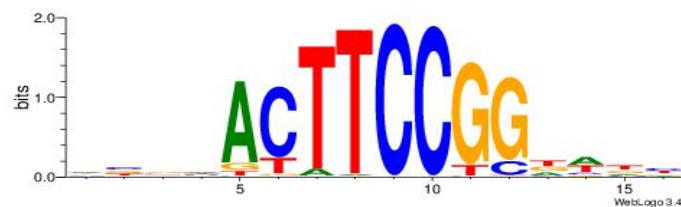
Motif ID: [UP00404](#)
 Motif name: Elf2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0220676

Alignment:

BDWDCCGGAAGTHBBD
 -----CGTAAGTCCK-

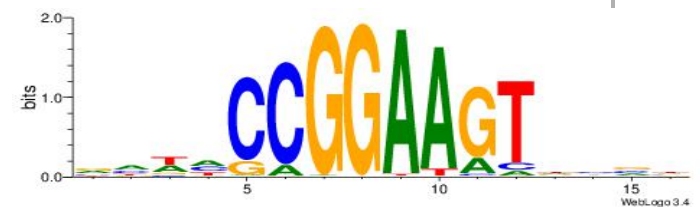
Original motif

Consensus sequence: DBBHACTTCCGGDWDB



Reverse complement motif

Consensus sequence: BDWDCCGGAAGTHBBD



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

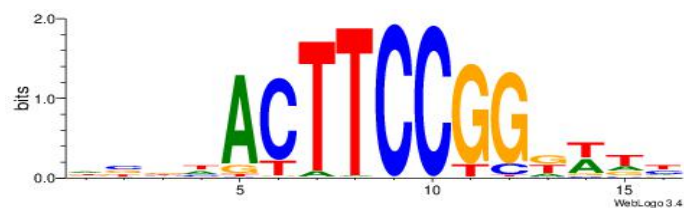
Number of overlap: 10
Similarity score: 0.0221416

Alignment:

HAWYCCGGAAGTHBBD
-----CGTAAGTCCK--

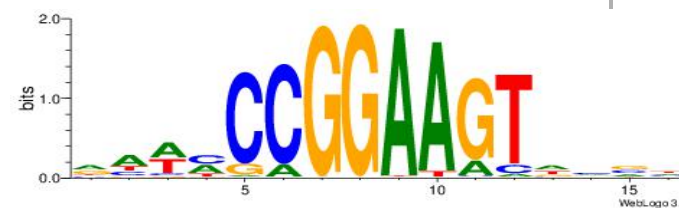
Original motif

Consensus sequence: DBBHACTTCCGGKWITH



Reverse complement motif

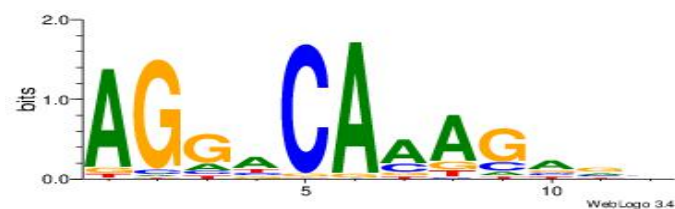
Consensus sequence: HAWYCCGGAAGTHBBD



Dataset #: 5 **Motif ID: 87** **Motif name: TFF1**

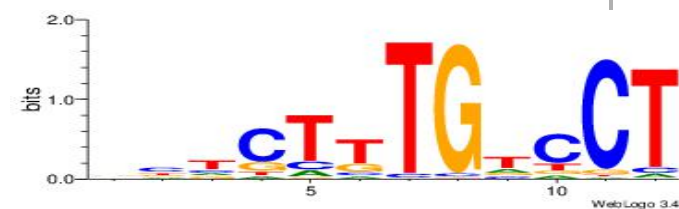
Original motif

Consensus sequence: AGGACAAAGAVV



Reverse complement motif

Consensus sequence: VVTCTTTGTCCT



Best Matches for Motif ID 87 (Highest to Lowest)

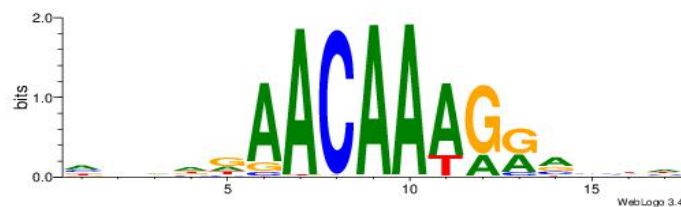
Motif ID: [UP00062](#)
Motif name: Sox4_primary
Species: Mus musculus

Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	12
Similarity score:	0.0258536

Alignment:
HBDDDAACAAAGRVBHH
---AGGACAAAGAVV--

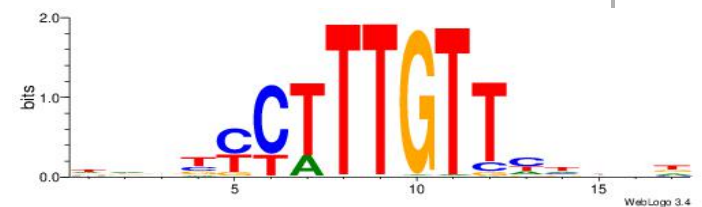
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH



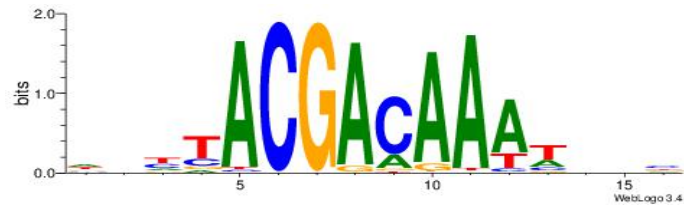
Motif ID:	UP00072
Motif name:	IRC900814_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	12
Similarity score:	0.0258585

Alignment:

DDHTACGACAAAWDDDB
----AGGACAAAGAVV

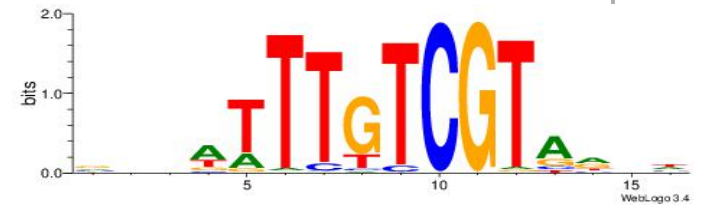
Original motif

Consensus sequence: DDHTACGACAAAWDDDB



Reverse complement motif

Consensus sequence: BHDWTTTGTTCGTAHDD



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:	12
Similarity score:	0.0284165

Alignment:

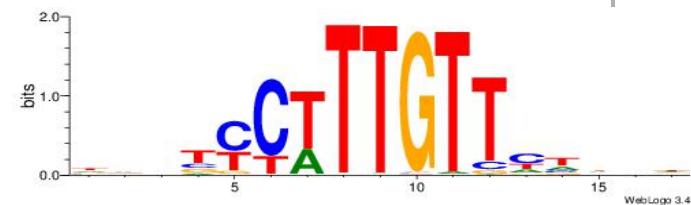
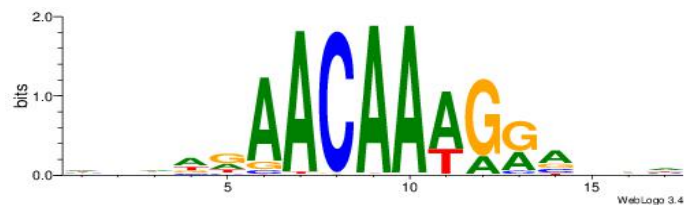
HBDDRAACAAAGRABHH
---AGGACAAAGAVV--

Original motif

Consensus sequence: HBDDRAACAAAGRABHH

Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH

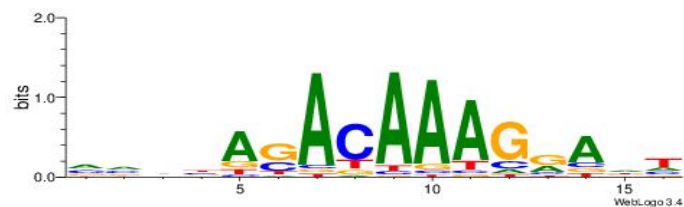


Motif ID: [UP00101](#)
 Motif name: Sox12_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0317868

Alignment:
 VVDBASACAAAGRADH
 ---AGGACAAAGAVV-

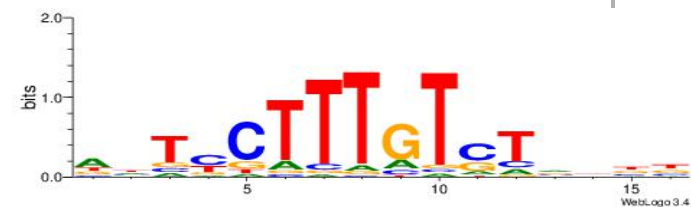
Original motif

Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



Motif ID: [UP00067](#)

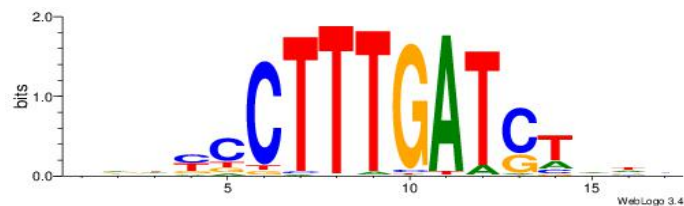
Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0318041

Alignment:

VDDAGATCAAAGKDDD
 ---AGGACAAAGAVV--

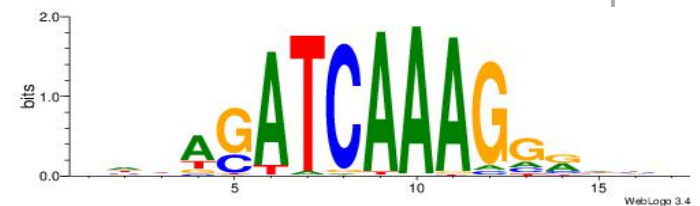
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGKDDD



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: 3
 Number of overlap: 12

Similarity score: 0.0329392

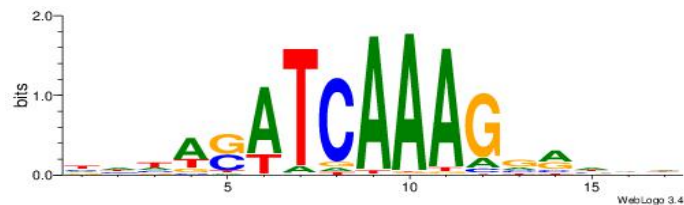
Alignment:

HHHASATCAAAGVRHHH

---AGGACAAAGAVV--

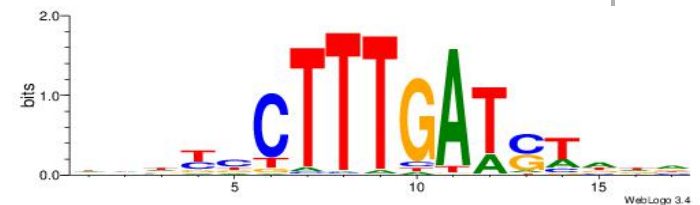
Original motif

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: Forward
Position number: 4
Number of overlap: 12
Similarity score: 0.0344802

Alignment:

BHHASATCAAAGGAHHH

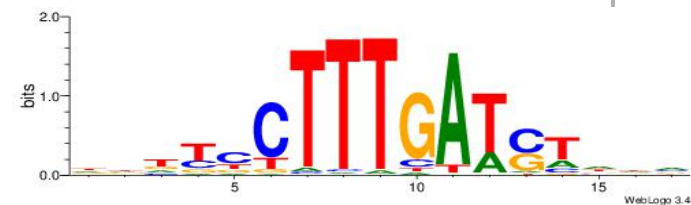
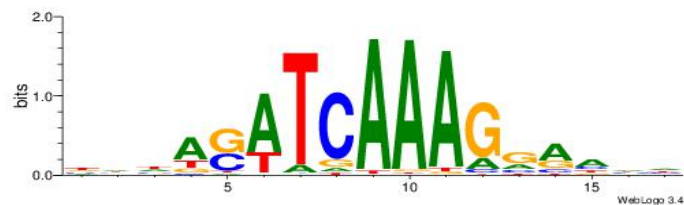
---AGGACAAAGAVV--

Original motif

Consensus sequence: BHHASATCAAAGGAHHH

Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV



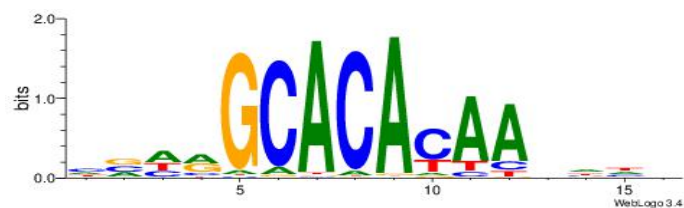
Motif ID: [UP00026](#)
 Motif name: Zscan4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0344812

Alignment:

BHHHTTGTGTGCKHVD
 -VVTCTTTGTCCT---

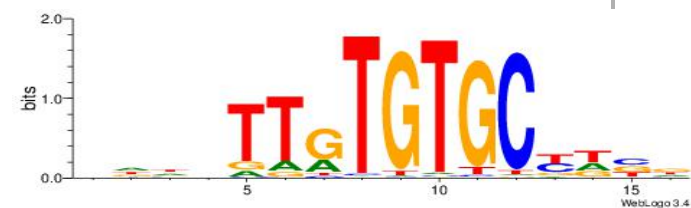
Original motif

Consensus sequence: HVHRGCACACAAHHHV



Reverse complement motif

Consensus sequence: BHHHTTGTGTGCKHVD



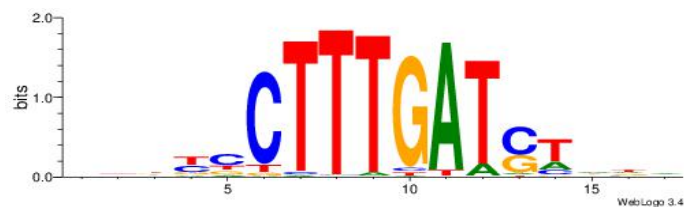
Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0344876

Alignment:

DDDYCCTTTGATSTDDV
 --VVTCTTTGTCCT---

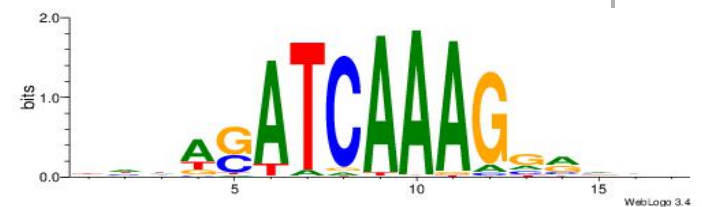
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDD



Motif ID: [UP00020](#)
 Motif name: Atf1_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: 12

Similarity score: 0.0352035

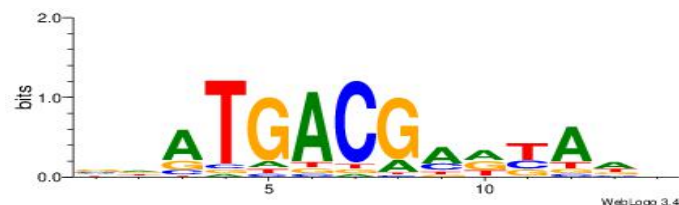
Alignment:

V DATGACGADYADH

--AGGACAAAGAVV

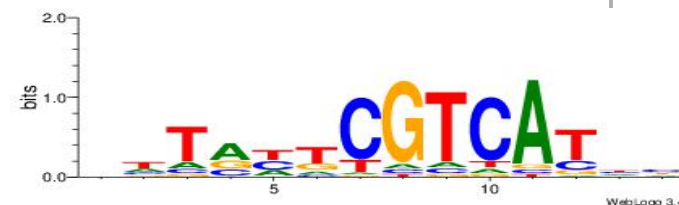
Original motif

Consensus sequence: VDATGACGADYADH



Reverse complement motif

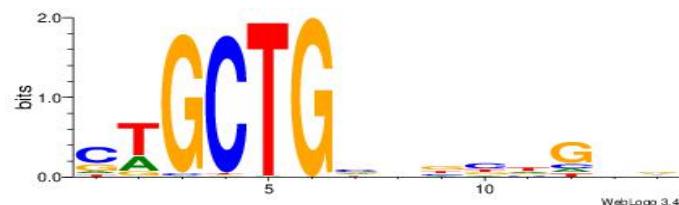
Consensus sequence: DDTMDTCGTCATDV



Dataset #: 5 Motif ID: 88 Motif name: TFF11

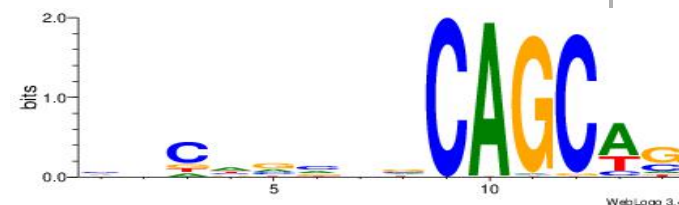
Original motif

Consensus sequence: CTGCTGBDBBDGBD



Reverse complement motif

Consensus sequence: HVCDBBDBCAGCAG



Best Matches for Motif ID 88 (Highest to Lowest)

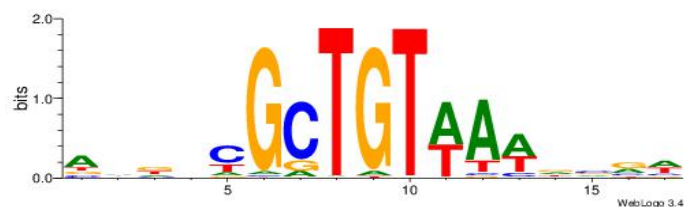
Motif ID:	UP00193
Motif name:	Rhox11_1765.2
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement

Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.054015

Alignment:
 WVVHWTWACAGCGBHBT
 HVCDBBDBCAGCAG---

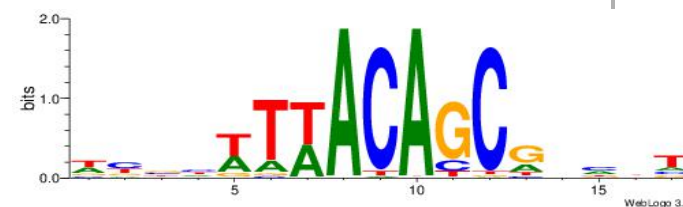
Original motif

Consensus sequence: AVDVCGCTGTAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGBHBT

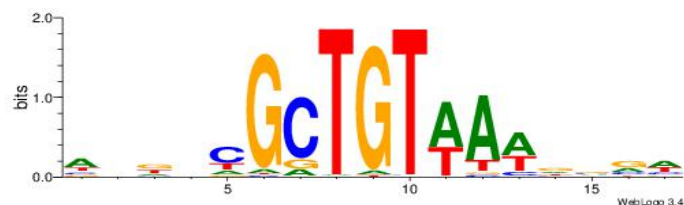


Motif ID: [UP00193](#)
 Motif name: Rhox11_2205.1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0543852

Alignment:
 WVVHWTWACAGCGHHVT
 HVCDBBDBCAGCAG---

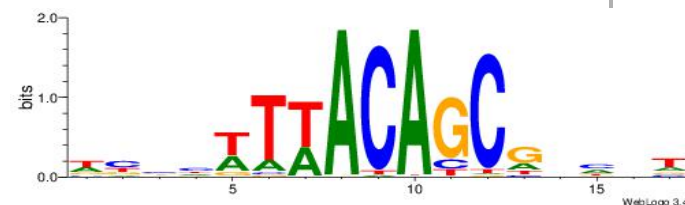
Original motif

Consensus sequence: AVDHCGCTGTAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGHHVT



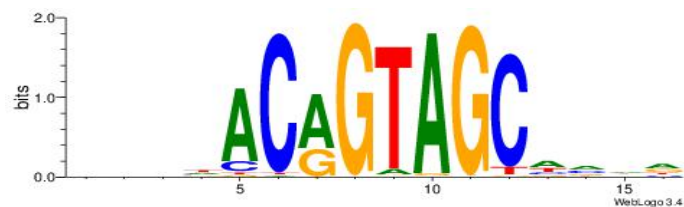
Motif ID: [UP00027](#)
Motif name: Osr1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0554469

Alignment:

HHDHACRGTAGCHVHD
--CTGCTGBDBBDGBD

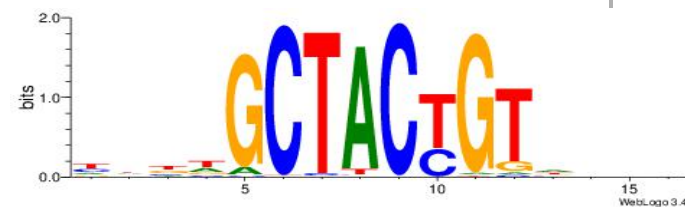
Original motif

Consensus sequence: HHDHACRGTAGCHVHD



Reverse complement motif

Consensus sequence: DHBHGCTACKGTHDHH



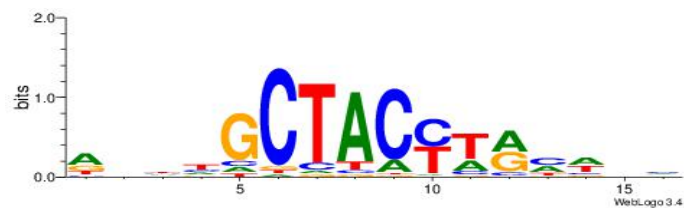
Motif ID: [UP00052](#)
 Motif name: Osr2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0576412

Alignment:

VDWRKAKGTAGCHHDT
 HVCDBBDBCAGCAG--

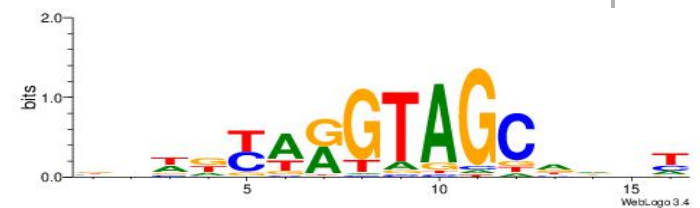
Original motif

Consensus sequence: AHHHGCTACYTRMWHV



Reverse complement motif

Consensus sequence: VDWRKAKGTAGCHHDT



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: 1
 Number of overlap: 14

Similarity score: 0.0581121

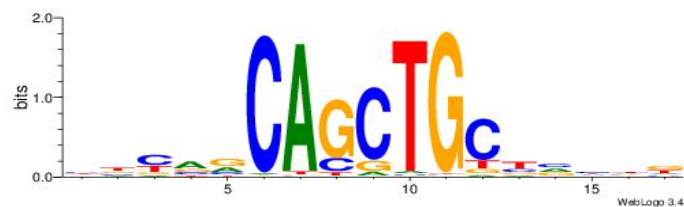
Alignment:

HHDVVGCAGCTGVBKVB

HVCDBBDBCAGCAG---

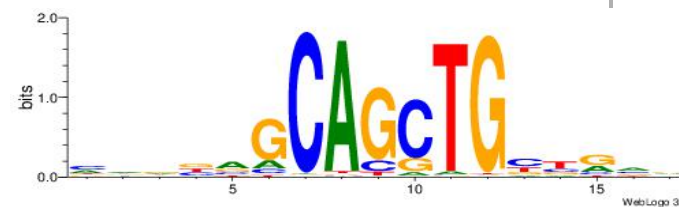
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HHDVVGCAGCTGVBKVB



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: 1
Number of overlap: 14
Similarity score: 0.0586391

Alignment:

VHDHKWKGTAGCHHDK

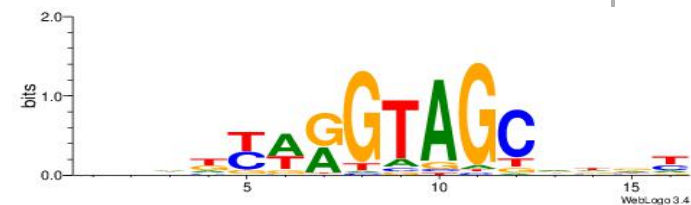
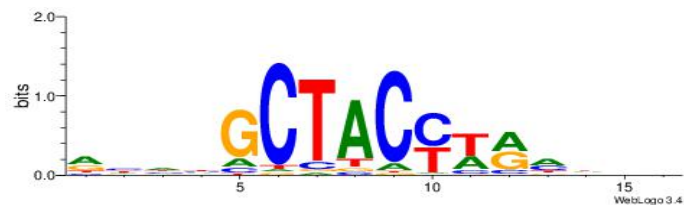
HVCDBBDBCAGCAG--

Original motif

Consensus sequence: RHHHGCTACYWRHDHV

Reverse complement motif

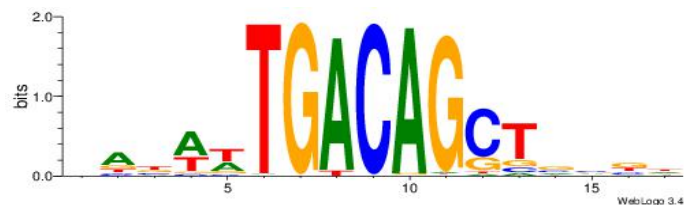
Consensus sequence: VHDHKWKGTAGCHHDK



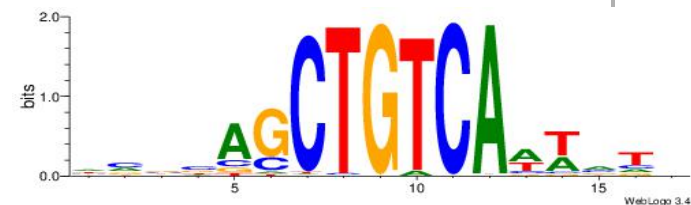
Motif ID: [UP00122](#)
 Motif name: Tgif1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0592876

Alignment:
 DBVVAGCTGTCAWWVTH
 HVCDBBDBCAGCAG---

Original motif
 Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif
 Consensus sequence: DBVVAGCTGTCAWWVTH



Motif ID: [UP00052](#)
 Motif name: Osr2_primary

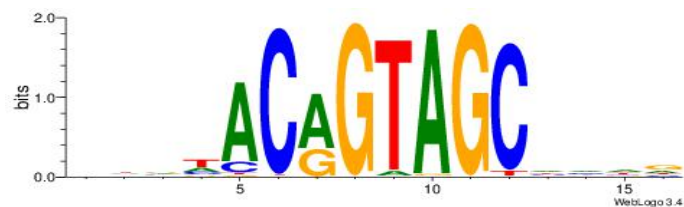
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 14
Similarity score: 0.0610328

Alignment:

HHHHGCTACKGTHVHH
--CTGCTGBDBBDGBD

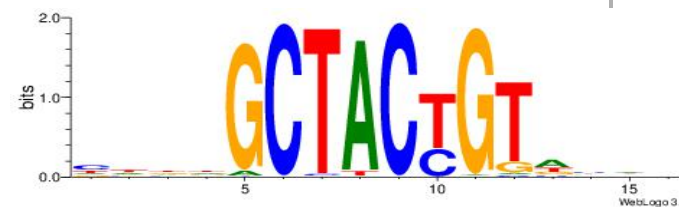
Original motif

Consensus sequence: HHVHACRGTAGCHHHD



Reverse complement motif

Consensus sequence: HHHHGCTACKGTHVHH



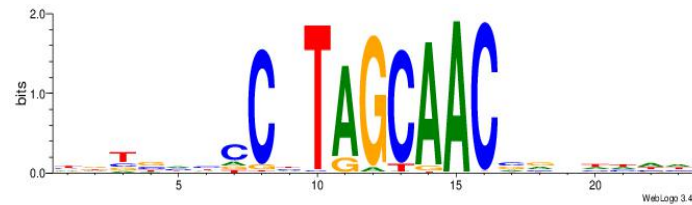
Motif ID: [UP00098](#)
Motif name: Rfx3_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 9
Number of overlap: 14
Similarity score: 0.0628447

Alignment:

HHHHDVVGTTGCTAHGGDHBAAH
-----CTGCTGBDBBDGBD-

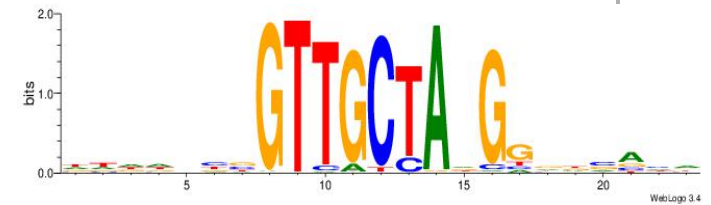
Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH



Reverse complement motif

Consensus sequence: HHHHDVVGTTGCTAHGGDHBAAH



Motif ID:	UP00047
Motif name:	Zbtb7b_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:	0.0632938

Alignment:

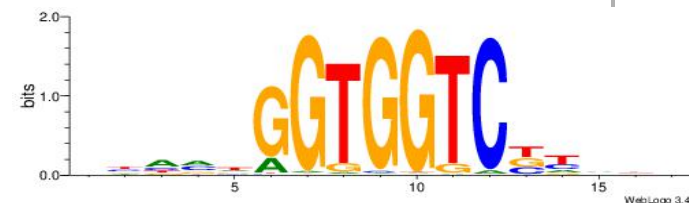
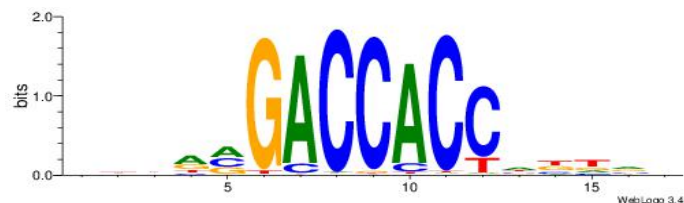
BBDVHGGTGGTCBKDDDB
---CTGCTGBDBBDGBD

Original motif

Consensus sequence: BDDRVGACCACCHBDVB

Reverse complement motif

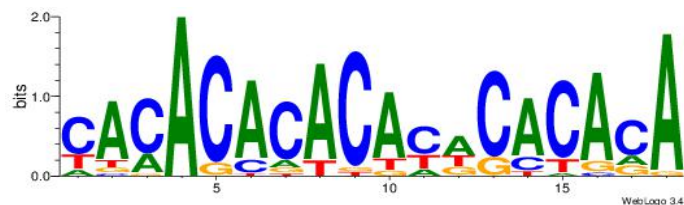
Consensus sequence: BBDVHGGTGGTCBKDDDB



Dataset #: 5 **Motif ID: 89** **Motif name: TFM1**

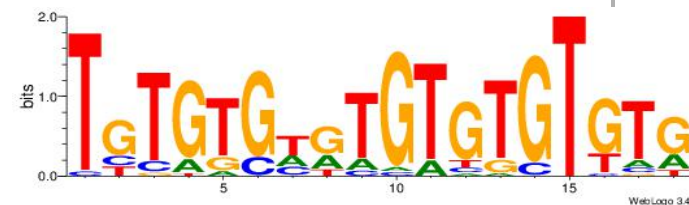
Original motif

Consensus sequence: CACACACACWCACACA



Reverse complement motif

Consensus sequence: TGTGTGWGTGTGTGTGTG



Best Matches for Motif ID 89 (Highest to Lowest)

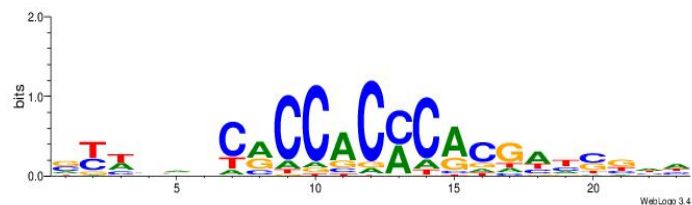
Motif ID:	UP00540
Motif name:	Gli3_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	6
Number of overlap:	18
Similarity score:	0.0442064

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 -----CACACACACACWCACACA

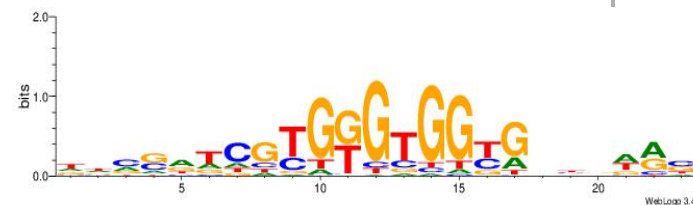
Original motif

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:	1
Number of overlap:	18
Similarity score:	0.0448118

Alignment:

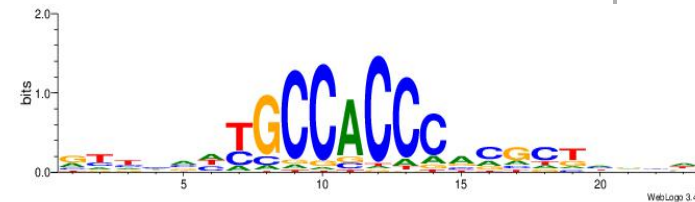
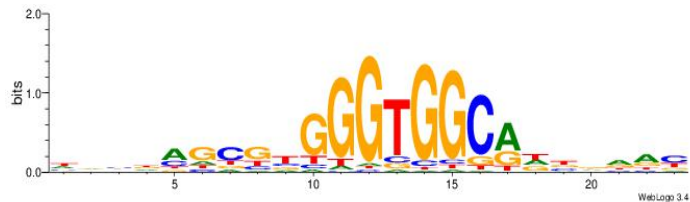
HVBDAGCGBGGGTGGCRDBDDDB
 TGTGTGWTGTGTGTGTG-----

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



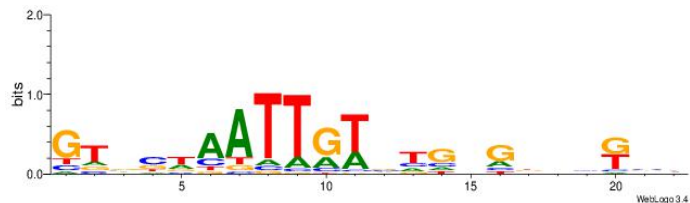
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0469936

Alignment:

VVYDDDCHCAVACAATTDBVAC
 TGTGTGWTGTGTGTGTG----

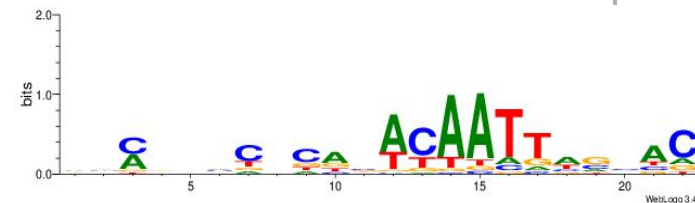
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC

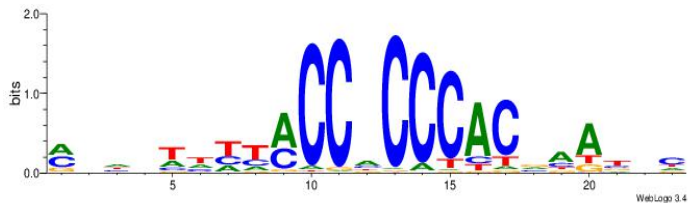


Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary

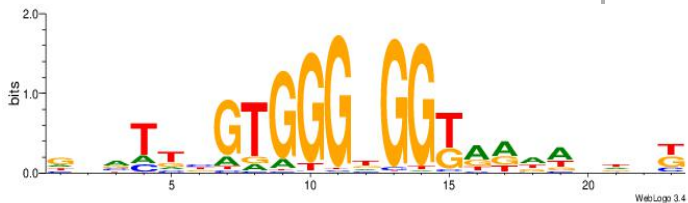
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 18
Similarity score: 0.0474757

Alignment:
MHHHWHYTMCCCHCCCACVAABVH
--CACACACACWCACACA---

Original motif
Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif
Consensus sequence: DVTTVGTGGGHGGYAMHWHHHY



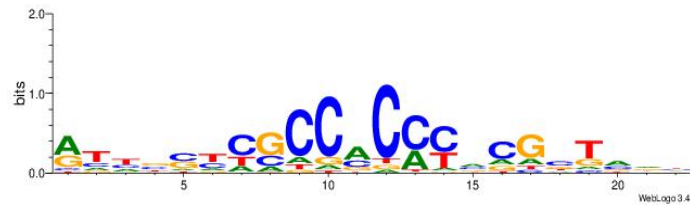
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 18
Similarity score: 0.0483565

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
---CACACACACWCACACA-

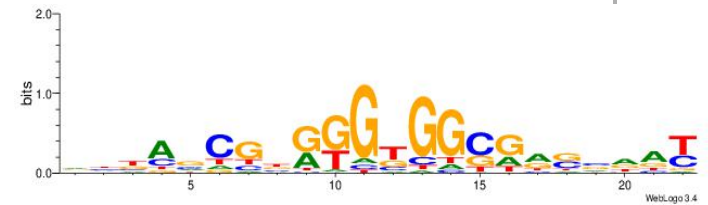
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



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: 18
Similarity score: 0.0502008

Alignment:

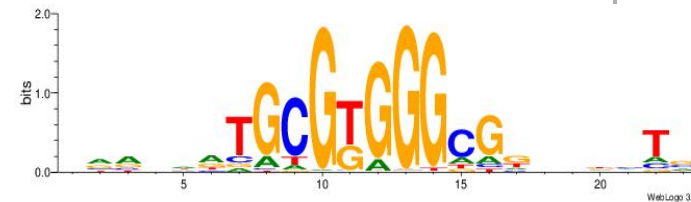
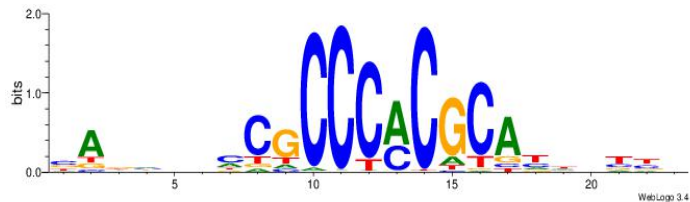
BADHBDHCGCCCMCGCAHHDBBV
-----CACACACACWCACACA

Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV

Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB

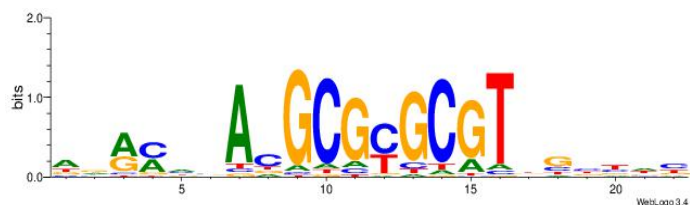


Motif ID: [UP00526](#)
 Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0557575

Alignment:
 BDVBCDACGCKCGCGTBHRKHD
 ---TGTGTGWGTGTGTGTGTG-

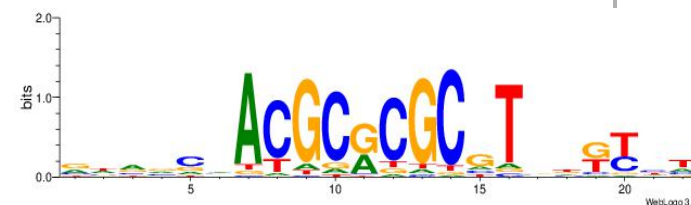
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



Motif ID: [UP00096](#)

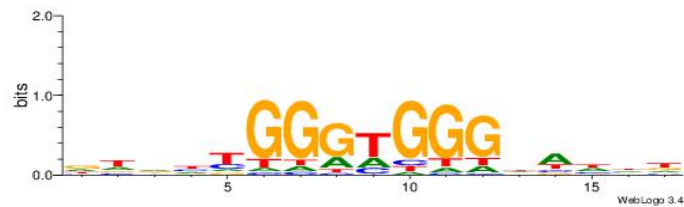
Motif name: Sox13_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 17
Similarity score: 0.549115

Alignment:

-DDDHTGGGTGGGHAHHD
CACACACACACWCACACA

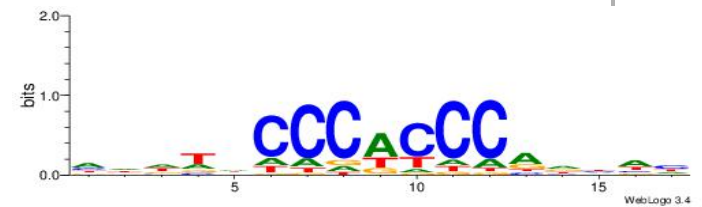
Original motif

Consensus sequence: DDDHTGGGTGGGHAHHD



Reverse complement motif

Consensus sequence: DHHTHCCCACCCAHHDDH



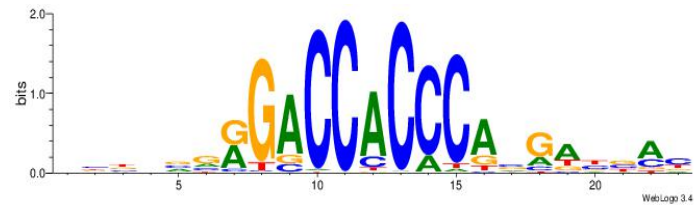
Motif ID: [UP00538](#)
Motif name: Gli1_v015681_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 7
Number of overlap: 17
Similarity score: 0.550082

Alignment:

BBBDVVRGACCACCCAVGABBAB-
-----CACACACACWCACACA

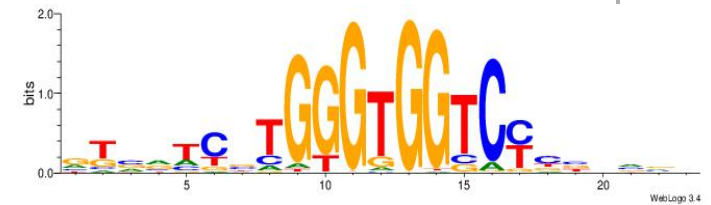
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTGGGTGGTCMVVDVBB



Motif ID:	UP00228
Motif name:	Bapx1
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:	17
Similarity score:	0.553591

Alignment:

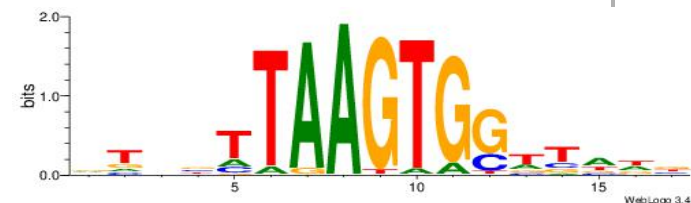
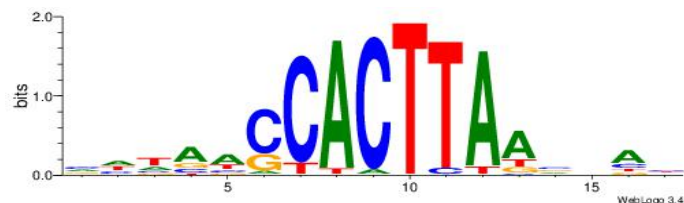
-VHHAACCACTTAAVVAH
CACACACACWCACACA-

Original motif

Consensus sequence: VHHAACCACTTAAVVAH

Reverse complement motif

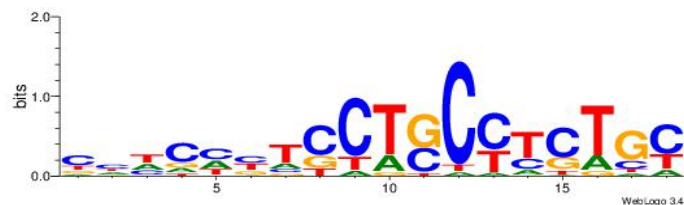
Consensus sequence: DTBVTTAAGTGGTTHHV



Dataset #: 5 **Motif ID: 90** **Motif name: TFM2**

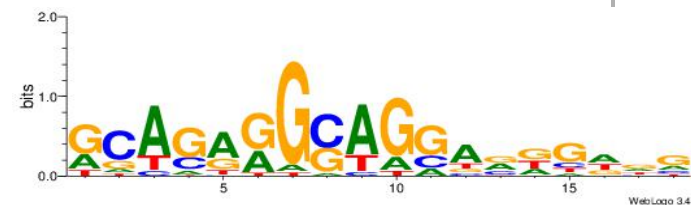
Original motif

Consensus sequence: CHHCHBTCCTSCYTCTGC



Reverse complement motif

Consensus sequence: GCAGAKGSAGGABDGHG



Best Matches for Motif ID 90 (Highest to Lowest)

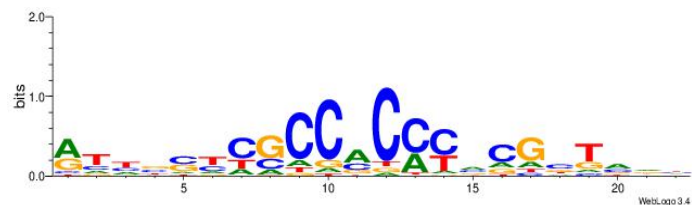
Motif ID:	UP00539
Motif name:	Gli2_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	18
Similarity score:	0.0498793

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
CHHCHBTCCTSCYTCTGC----

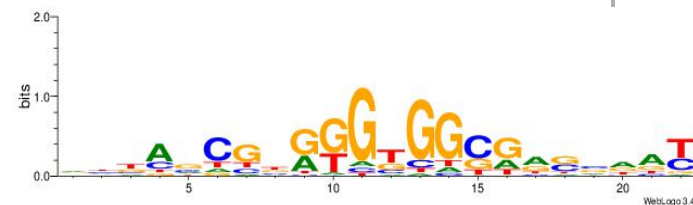
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID:	UP00528
Motif name:	Foxm1_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:	18
Similarity score:	0.0564418

Alignment:

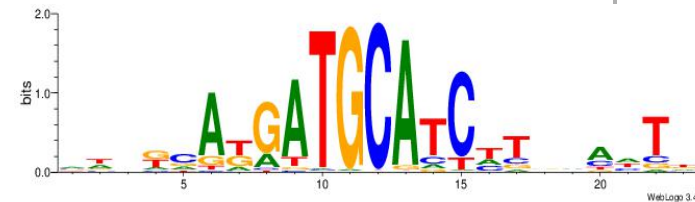
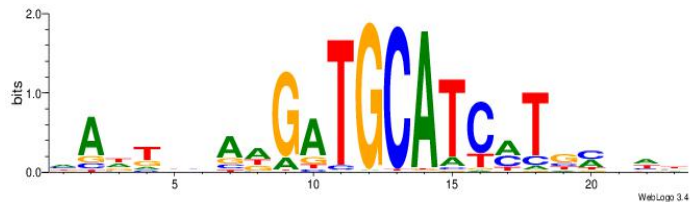
HADTBVADGATGCATCMTGMVHB
-----GCAGAKGSAGGABDGHG

Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB

Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH



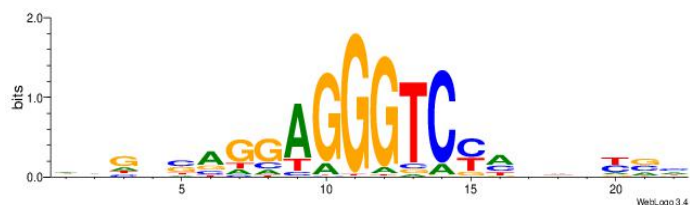
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.0565957

Alignment:

DVMHHDHKGACCCTCCTSVCBH
 CHHCHBTCCTSCYTCTGC----

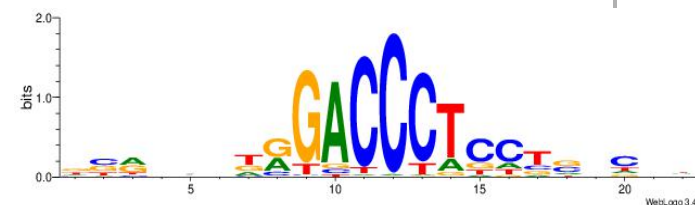
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



Motif ID: [UP00538](#)

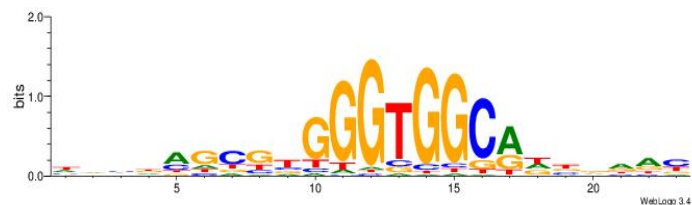
Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 18
 Similarity score: 0.0573354

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 CHHCHBTCCTSCYTCTGC-----

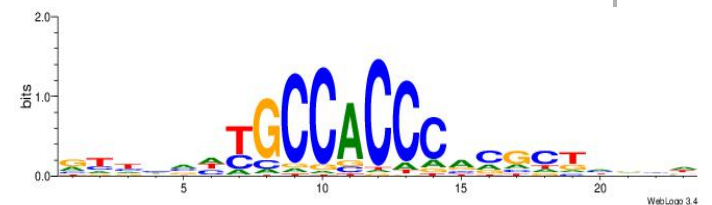
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

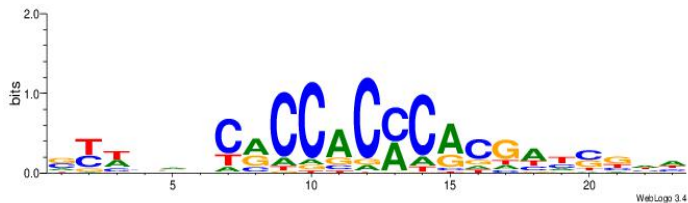


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 18

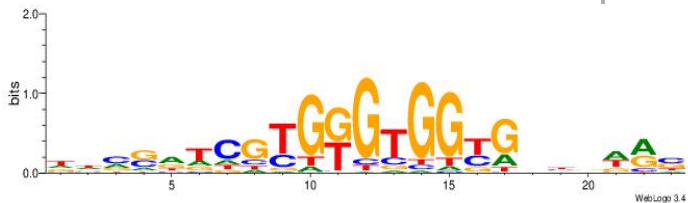
Similarity score: 0.0598613

Alignment:
VYWVVHCRCCACMCACGAHSBHH
CHHCHBTCCTSCYTCTGC-----

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

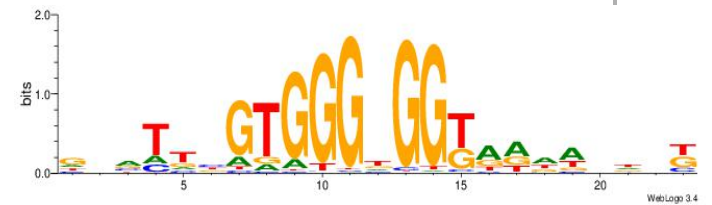
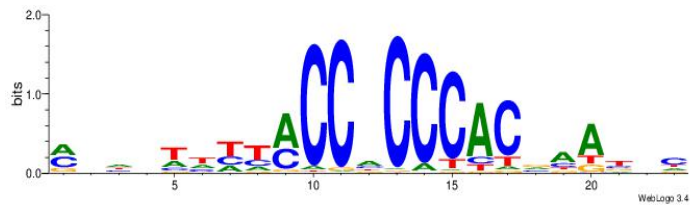


Motif ID: [UP00538](#)
Motif name: Gli1_v015681_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 18
Similarity score: 0.0598775

Alignment:
MHHHWHYTMCCCHCCACVAABVH
--CHHCHBTCCTSCYTCTGC---

Original motif
Consensus sequence: MHHHWHYTMCCCHCCACVAABVH

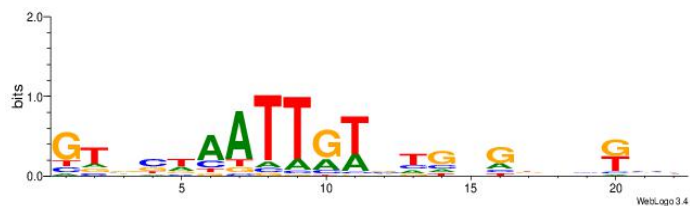
Reverse complement motif
Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



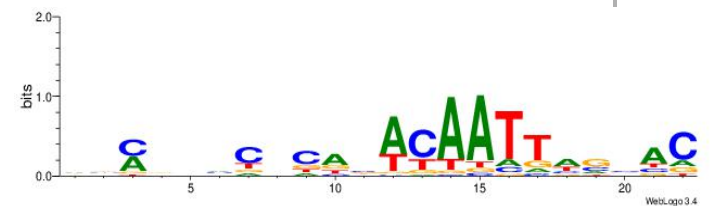
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0606451

Alignment:
 GTVBDAATTGTVTGHGDDHKVB
 --GCAGAKGSAGGABDGHG--

Original motif
 Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif
 Consensus sequence: VVYDDDCHCAVACAATTDBVAC



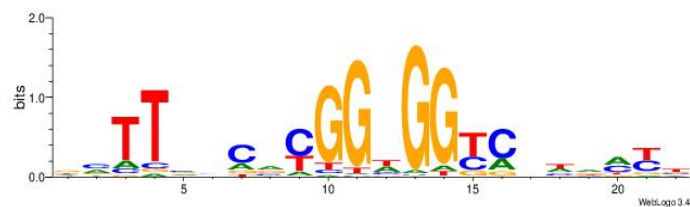
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0626287

Alignment:

VMYDHDGMCCHCCKBGVVAAVH
 -CHHCHBTCCTSCYTCTGC---

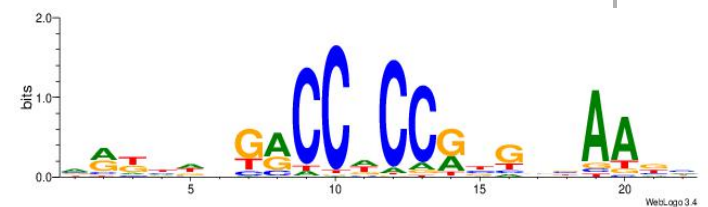
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAAVH

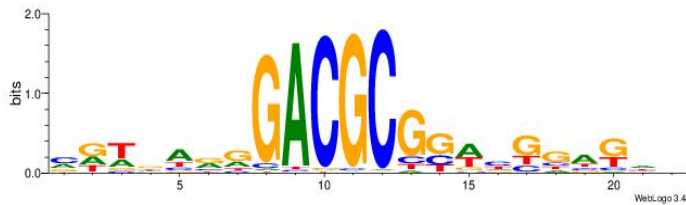


Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4

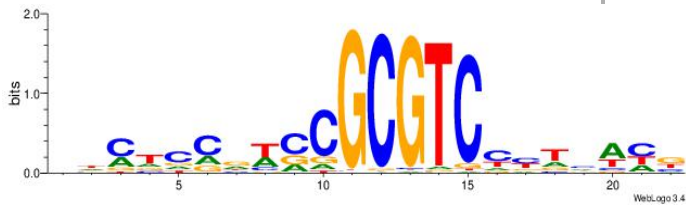
Number of overlap: 18
Similarity score: 0.0626567

Alignment:
VHYTCCDWCCGCGTCMMTHWHV
-CHHCHBTCCTSCYTCTGC---

Original motif
Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



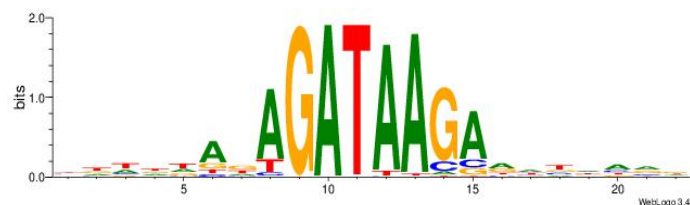
Motif ID: [UP00032](#)
Motif name: Gata3_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 18
Similarity score: 0.064761

Alignment:
HBHDVHDTCTTATCTHTDDHDV
-CHHCHBTCCTSCYTCTGC---

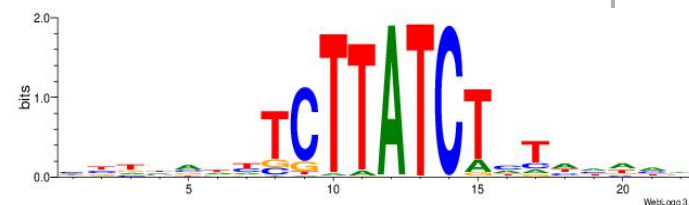
Original motif

Reverse complement motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



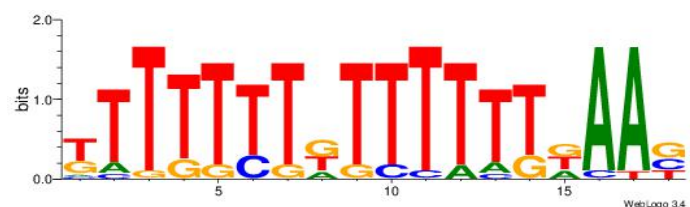
Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



Dataset #: 5 **Motif ID: 91** **Motif name: TFM3**

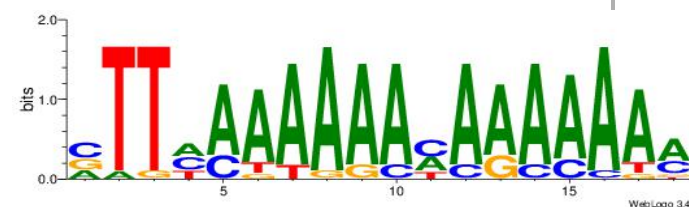
Original motif

Consensus sequence: KTTTTTTKTTTTTDAAB



Reverse complement motif

Consensus sequence: BTTHAAAAAYAAAAAAR



Best Matches for Motif ID 91 (Highest to Lowest)

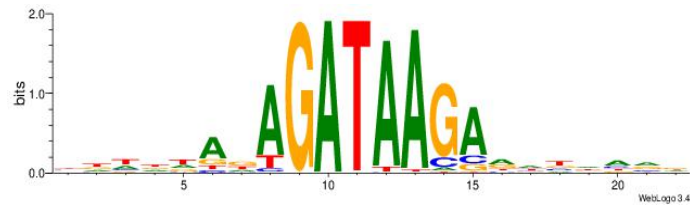
Motif ID:	UP00032
Motif name:	Gata3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	18
Similarity score:	0.0426153

Alignment:

BDHDDADAGATAAGADHBDHVD
BTTHAAAAAYAAAAAR----

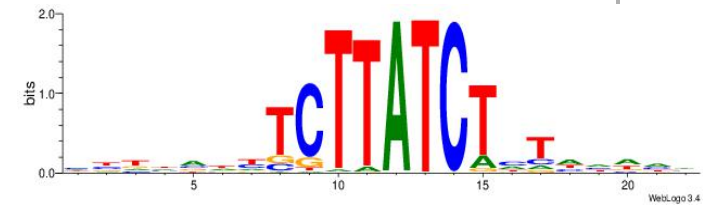
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHVD



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:	3
Number of overlap:	18
Similarity score:	0.0478771

Alignment:

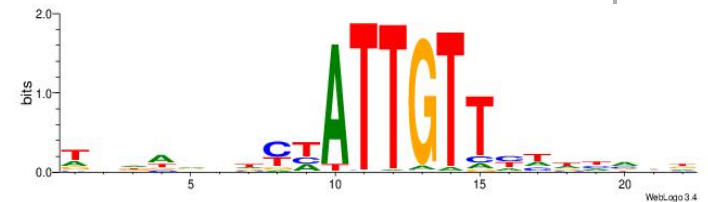
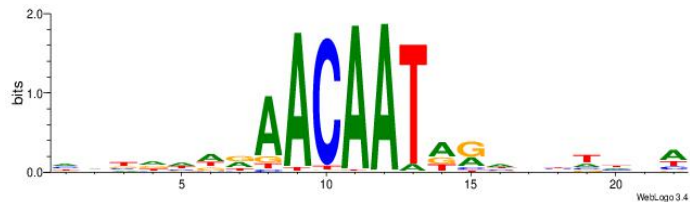
HHBDHDDAACAATDRHHHHHBW
--BTTHAAAAAYAAAAAR--

Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW

Reverse complement motif

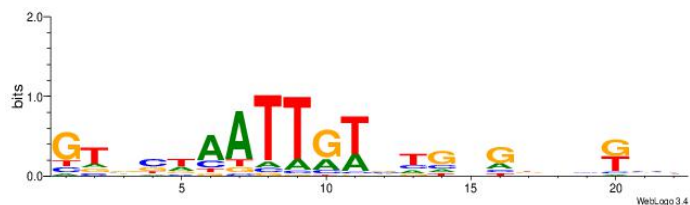
Consensus sequence: WBHHHHMDATTGTTHDHDVHH



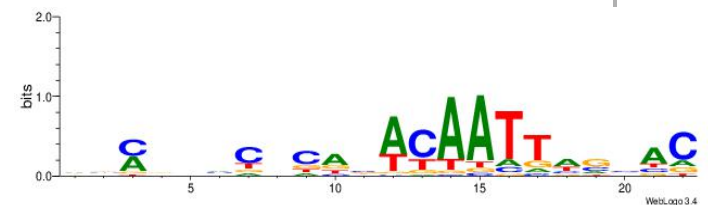
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0564691

Alignment:
 VVYDDDCHCAVACAATTDBVAC
 BTTHAAAAAYAAAAAR----

Original motif
 Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif
 Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Motif ID: [UP00077](#)
 Motif name: Srf_secondary

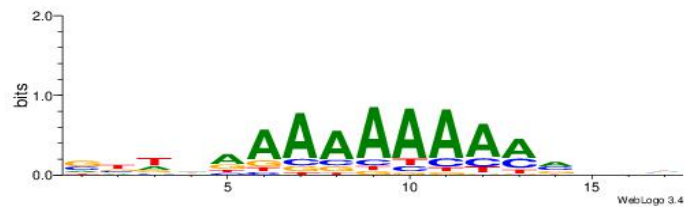
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 17
Similarity score: 0.52452

Alignment:

-VBDDAAAAAAAMVBHH
KTTTTTTKTTTTTTDAAB

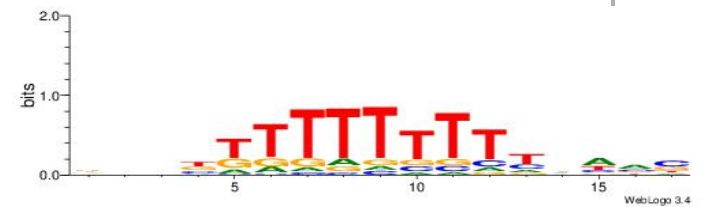
Original motif

Consensus sequence: VBDDAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDV



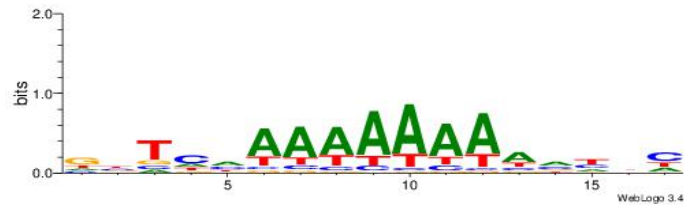
Motif ID: [UP00090](#)
Motif name: Elf3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 17
Similarity score: 0.531868

Alignment:

-DDHBTTTTTTTTHDAVH
KTTTTTKTTTTTTDAAB

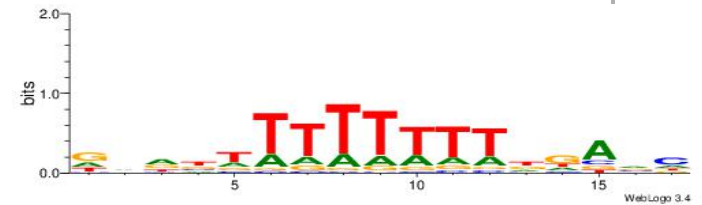
Original motif

Consensus sequence: DBTHHAAAAAAAAAVHDH



Reverse complement motif

Consensus sequence: DDHBTTTTTTTTTHDAVH



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:	1
Number of overlap:	17
Similarity score:	0.539211

Alignment:

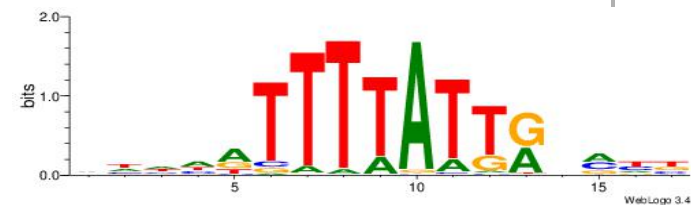
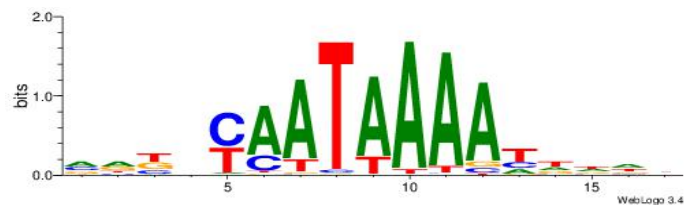
-HDDDATTTTATTKVRDB
KTTTTTKTTTTTTDAAB

Original motif

Consensus sequence: VDKVYAATAAAATDDDH

Reverse complement motif

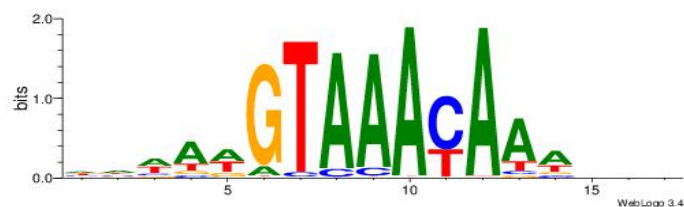
Consensus sequence: HDDDATTTTATTKVRDB



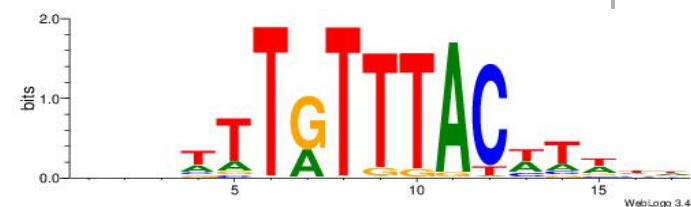
Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 17
 Similarity score: 0.539687

Alignment:
 HHWAWGTAAAYAAAVDB-
 -KTTTTTTKTTTTTTDAAB

Original motif
 Consensus sequence: HHWAWGTAAAYAAAVDB



Reverse complement motif
 Consensus sequence: BDVTTTKTTTACWTWHH



Motif ID: [UP00039](#)
 Motif name: Foxj3_primary

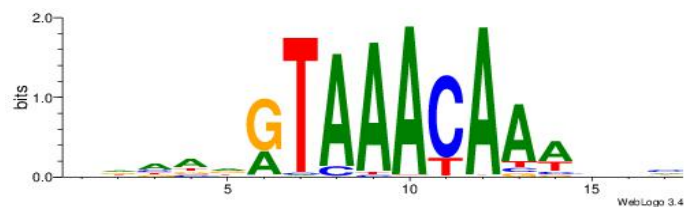
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 17
Similarity score: 0.542507

Alignment:

-DVVTTTGTTCACDTHDH
BTTHAAAAAYAAAAAR-

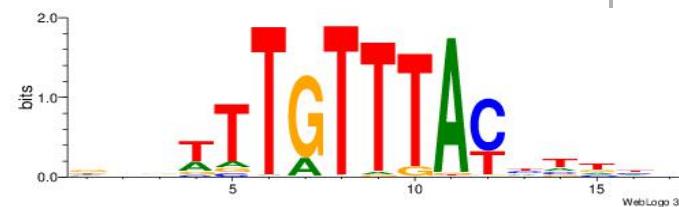
Original motif

Consensus sequence: HDHADGTAAACAAVVH



Reverse complement motif

Consensus sequence: DVVTTTGTTCACDTHDH



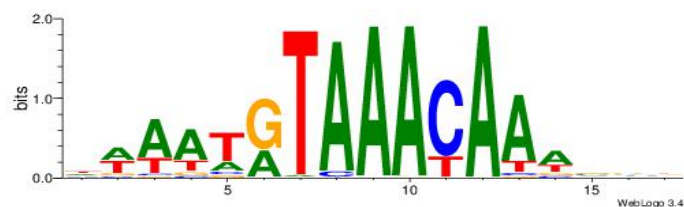
Motif ID: [UP00061](#)
Motif name: Foxl1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 17
Similarity score: 0.547029

Alignment:

-VVVWTTGTTTAMATTWD
BTTHAAAAAYAAAAAR-

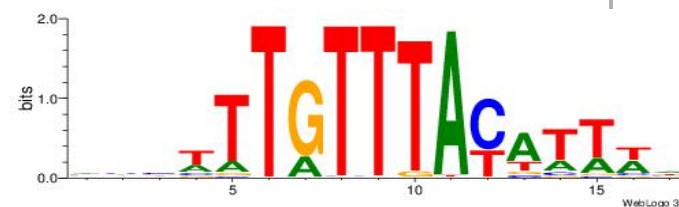
Original motif

Consensus sequence: DWAATRTAAACA WVV B



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



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:	Backward
Position number:	2
Number of overlap:	17
Similarity score:	0.547298

Alignment:

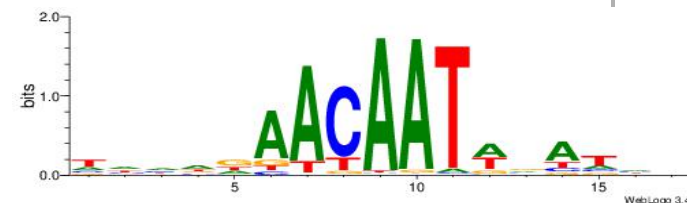
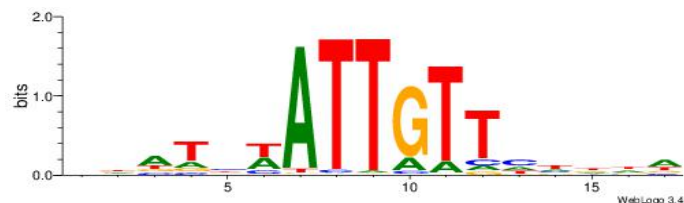
-DDDHDAACAATWBATDD
BTTHAAAAAYAAAAAR-

Original motif

Consensus sequence: DDATBWATTGTTHHDDD

Reverse complement motif

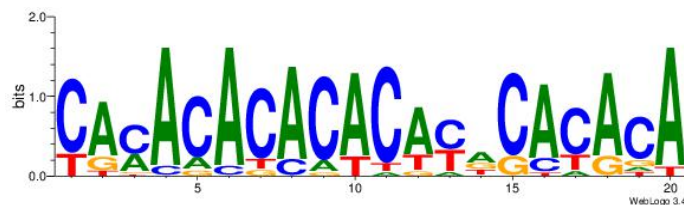
Consensus sequence: DDDHDAACAATWBATDD



Dataset #: 5 Motif ID: 92 Motif name: TFM11

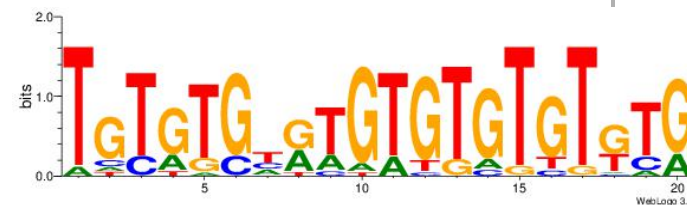
Original motif

Consensus sequence: CAMACACACAYDCACACA



Reverse complement motif

Consensus sequence: TGTGTGDKTGTGTGTGTRTG



Best Matches for Motif ID 92 (Highest to Lowest)

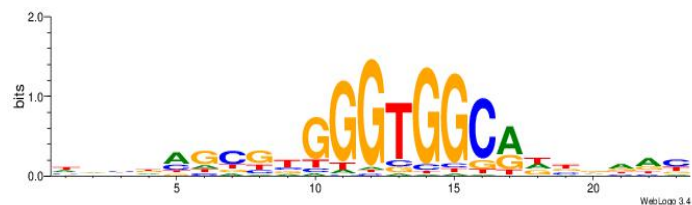
Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	20
Similarity score:	0.0426758

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
TGTGTGDKTGTGTGTGTRTG---

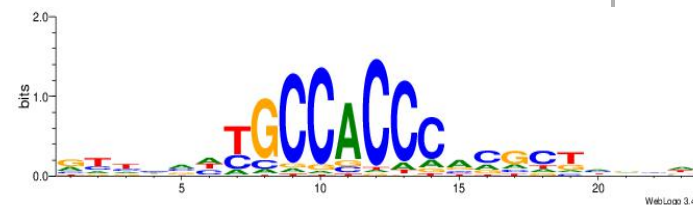
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID:	UP00034
Motif name:	Sox7_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:	0.0439623

Alignment:

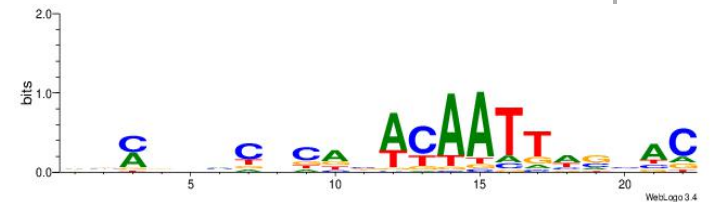
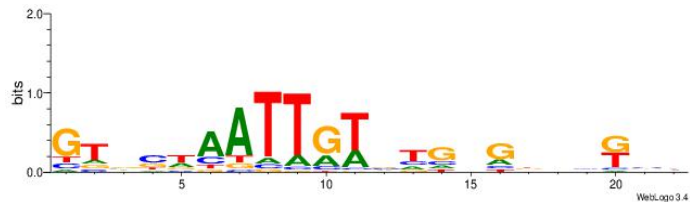
GTVBDAATTGTVTGHGDDHKVB
TGTGTGDKTGTGTGTGTRTG--

Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB

Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



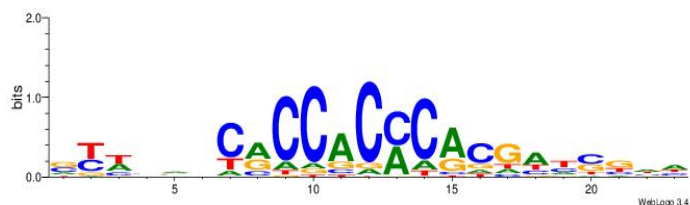
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.0449001

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 ---CAMACACACACAYDCACACA

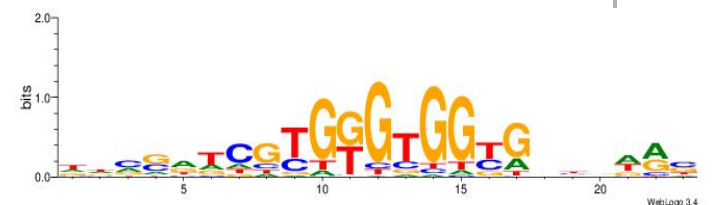
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Motif ID: [UP00538](#)

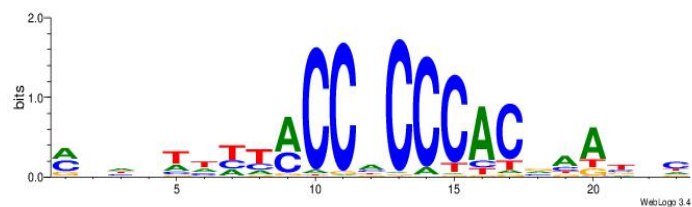
Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.0492241

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 CAMACACACACAYDCACACA---

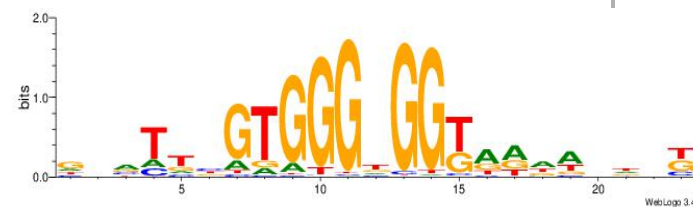
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



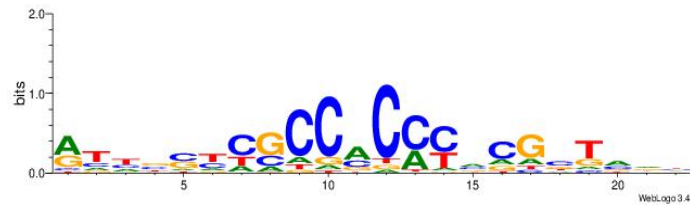
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0524009

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
-CAMACACACACAYDCACACA-

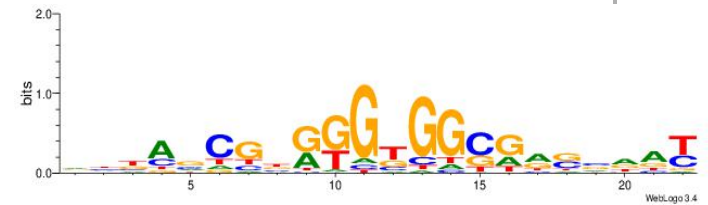
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



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:	20
Similarity score:	0.0527926

Alignment:

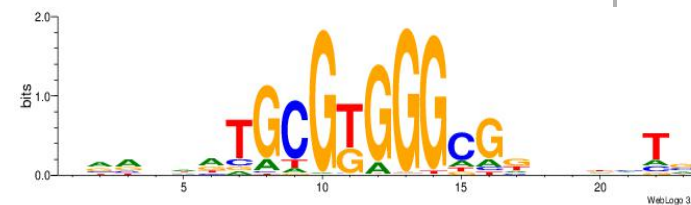
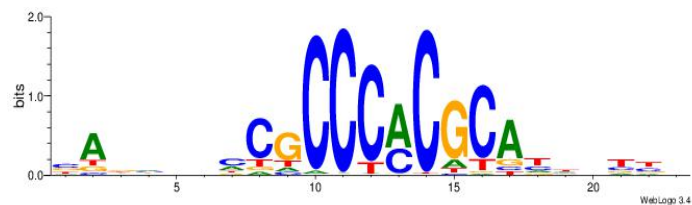
BADHBDHCGCCCMCGCAHHDBBV
---CAMACACACACAYDCACACA

Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV

Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB



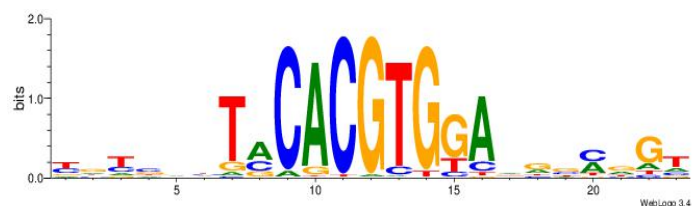
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0547661

Alignment:

ACHRBHDTCCACGTGYAHBMMH
 -CAMACACACACAYDCACACA--

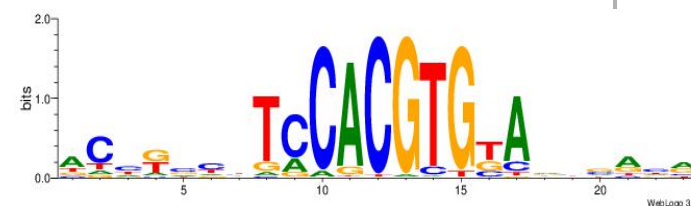
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHBMMH



Motif ID: [UP00526](#)

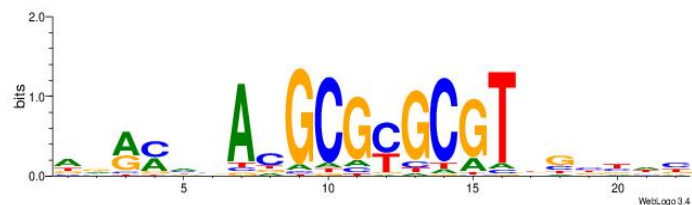
Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0575159

Alignment:

DDRMHBACGCGYGCGTDGBBDB
 -CAMACACACACAYDCACACA-

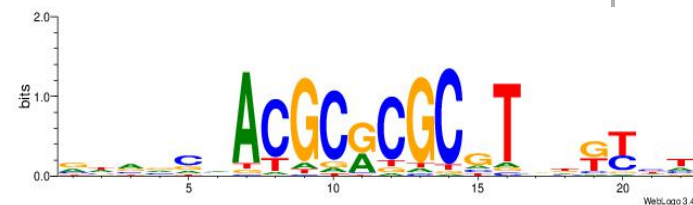
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD

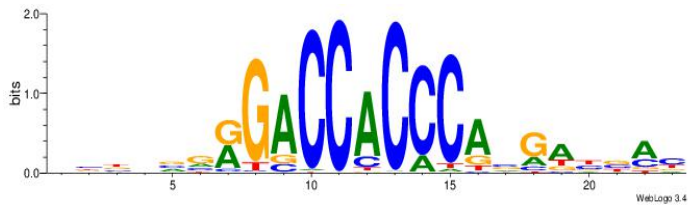


Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 19

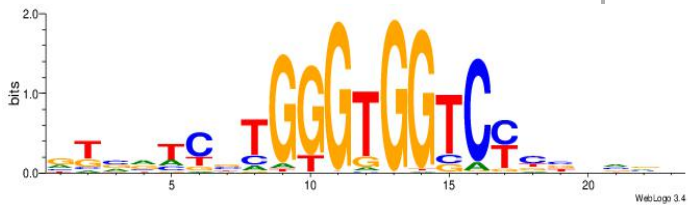
Similarity score: 0.551038

Alignment:
BBBDVVRGACCACCCAVGABBAB-
----CAMACACACACAYDCACACA

Original motif
Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif
Consensus sequence: BTBVTCTGGGTGGTCMVVDVBB

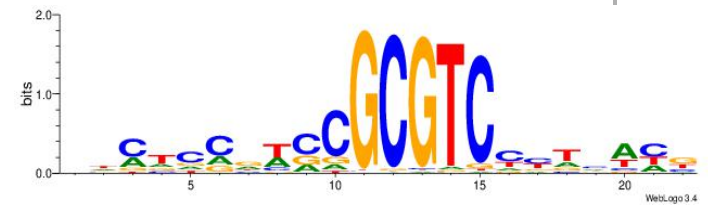
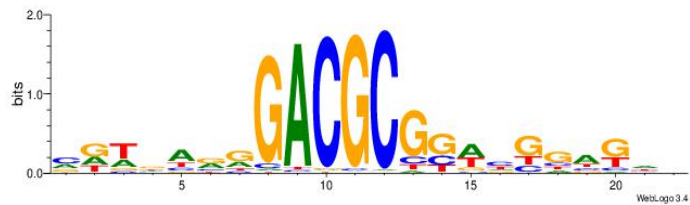


Motif ID: [UP00527](#)
Motif name: Foxn4_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 19
Similarity score: 0.551577

Alignment:
VDWDARRGACGCGGWHGGAKHV-
---CAMACACACACAYDCACACA

Original motif
Consensus sequence: VDWDARRGACGCGGWHGGAKHV

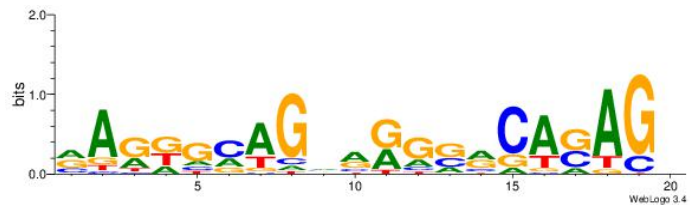
Reverse complement motif
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Dataset #: 5 Motif ID: 93 Motif name: TFM12

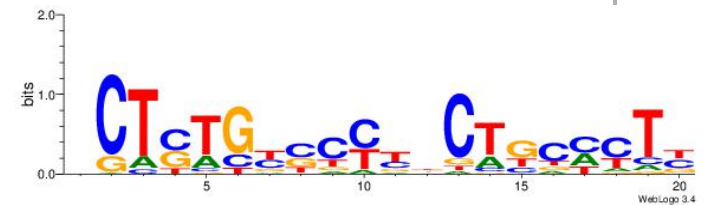
Original motif

Consensus sequence: RAGKGMAGVRRGSRCASAGV



Reverse complement motif

Consensus sequence: VCTSTGKSCMKBCTRCYCTK



Best Matches for Motif ID 93 (Highest to Lowest)

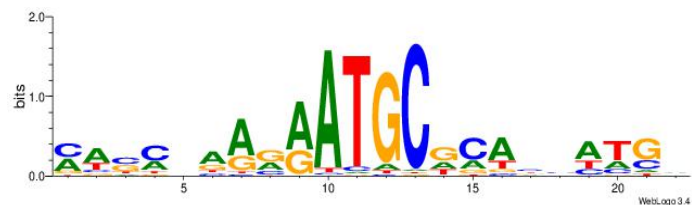
Motif ID:	UP00528
Motif name:	Foxm1_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	20
Similarity score:	0.0465838

Alignment:

MWSMBAARRATGCD CABHATGD
RAGKGMAGVRRG SRCASAGV--

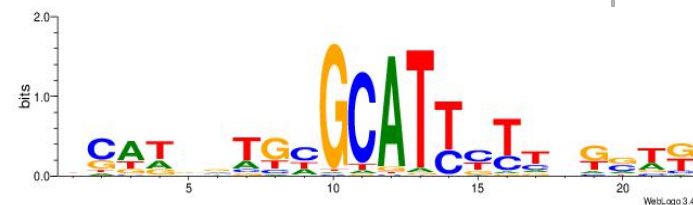
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



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:	Forward
Position number:	3
Number of overlap:	20
Similarity score:	0.0472219

Alignment:

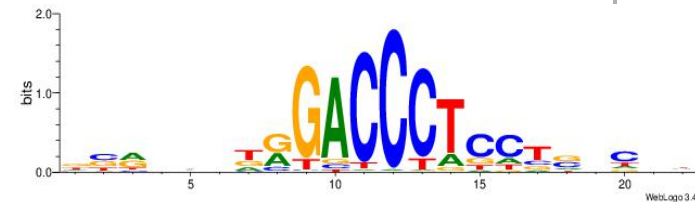
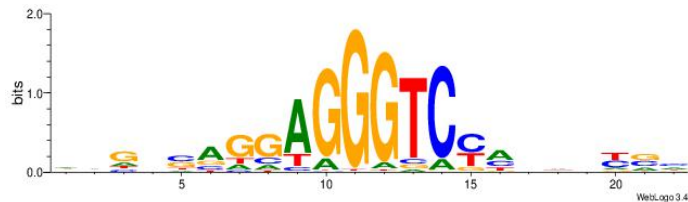
DVMHHDHKGACCCTCCTSVCBH
--VCTSTGKSCMBCTRCYCTK

Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH

Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH

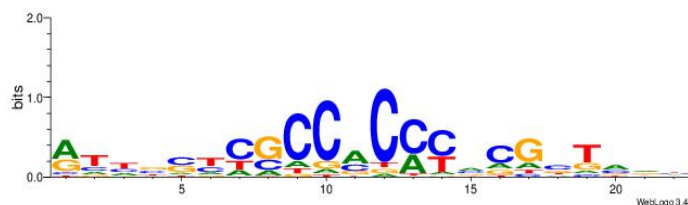


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.0477526

Alignment:
 RTHBSYCGCCMCMYVCGBTVDH
 VCTSTGKSCMKBCTRCYCTK--

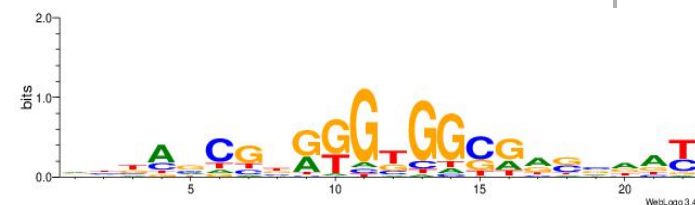
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID: [UP00034](#)

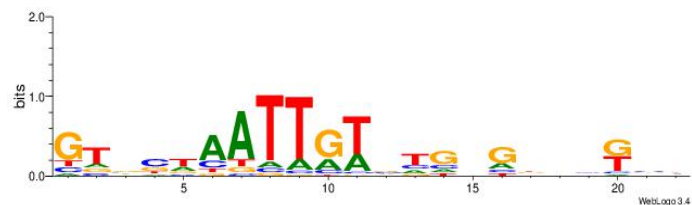
Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 20
 Similarity score: 0.0479772

Alignment:

VVYDDDCHCAVACAATTDBVAC
 VCTSTGKSCMKBCTRCYCTK--

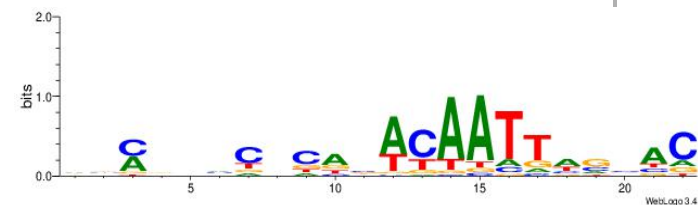
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC

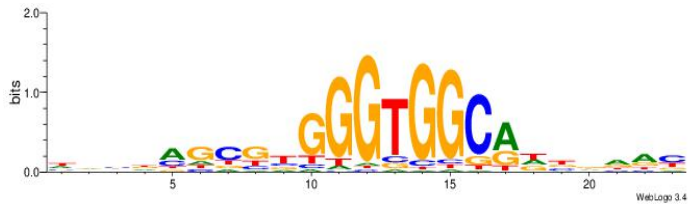


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 20

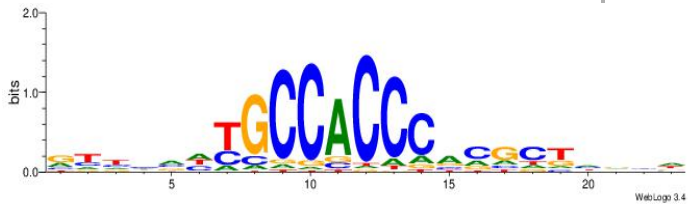
Similarity score: 0.0487318

Alignment:
BDDHVDKGCCACCCVCGCTDBVH
VCTSTGKSCMKBCTRCYCTK---

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

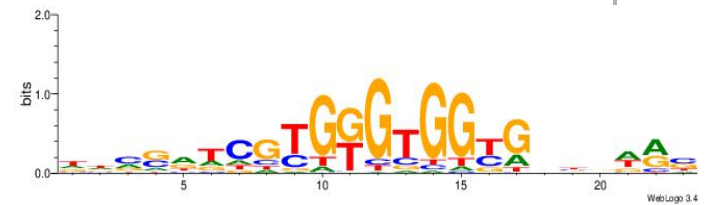
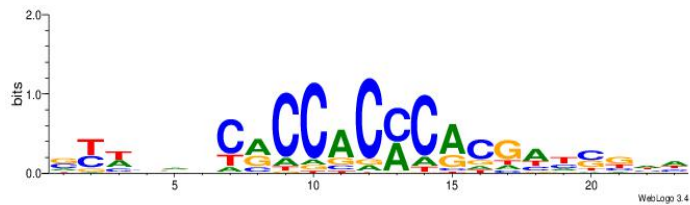


Motif ID: [UP00540](#)
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 20
Similarity score: 0.0495675

Alignment:
VYWVVHCRCCACMCACGAHSBHH
VCTSTGKSCMKBCTRCYCTK---

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



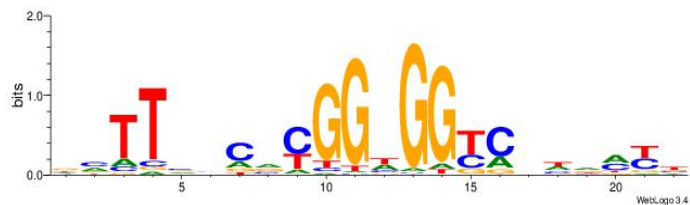
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 20
 Similarity score: 0.0506701

Alignment:

VMYDHDGMCCHCCKBGVVAHVH
 VCTSTGKSCMKBCTRCYCTK--

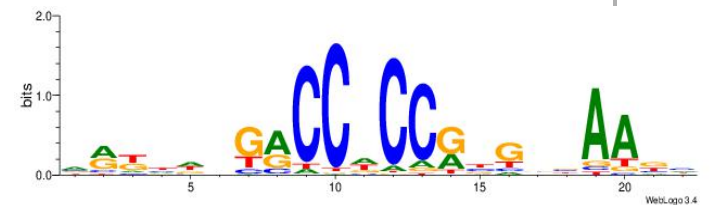
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAHVH



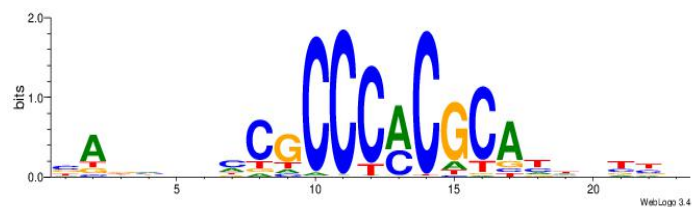
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.0532516

Alignment:

VVVDHHTGCGYGGGCGDHSVHHTB
 RAGKGMAGVRRGSRCASAGV---

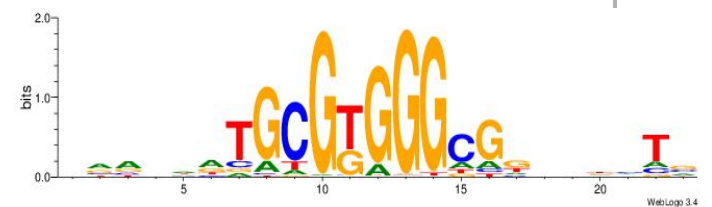
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB

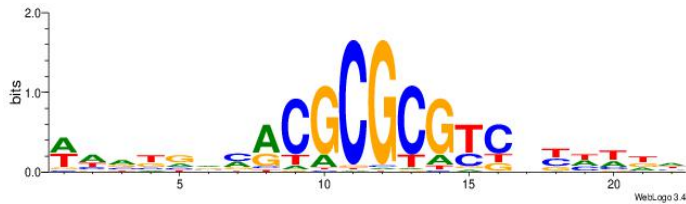


Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2

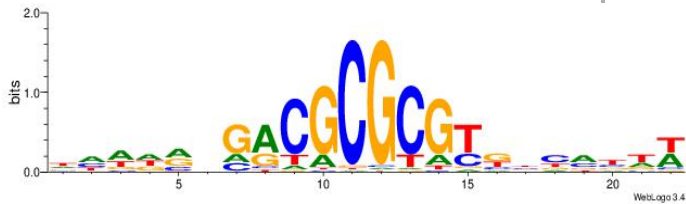
Number of overlap: 20
Similarity score: 0.0536082

Alignment:
HDWHMHGACGCGCGTRBVVBHW
-VCTSTGKSCMKBCTRCYCTK-

Original motif
Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif
Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



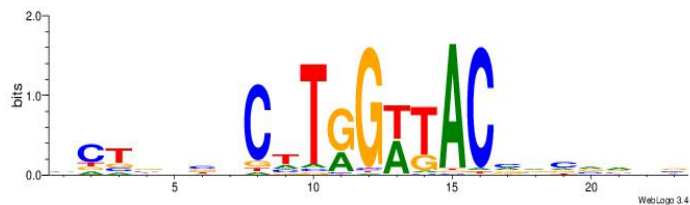
Motif ID: [UP00098](#)
Motif name: Rfx3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 20
Similarity score: 0.0554568

Alignment:
BDBBVVBGTAWCCAAGVBHBAGB
---RAGKGMAGVRRGSRASAGV

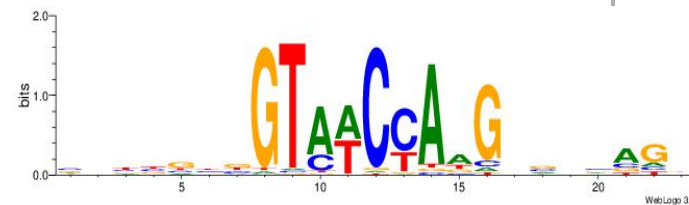
Original motif

Reverse complement motif

Consensus sequence: VCTBHBVCTTGGWTACVWWWVDB



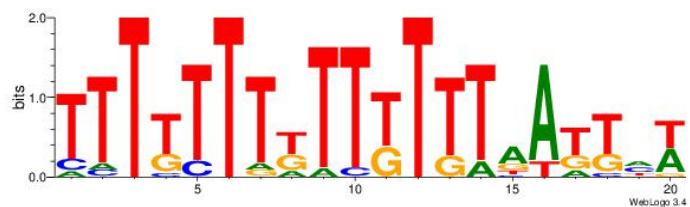
Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



Dataset #: 5 **Motif ID: 94** **Motif name: TFM13**

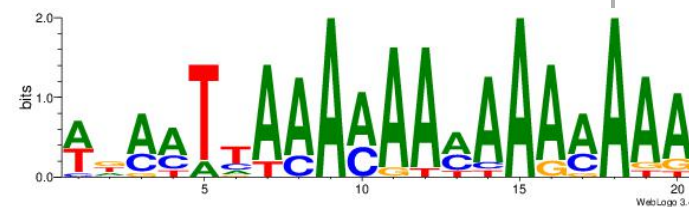
Original motif

Consensus sequence: TTTTTTKTTKTTTAATTHW



Reverse complement motif

Consensus sequence: WHAATTAAARAARAAAAAA



Best Matches for Motif ID 94 (Highest to Lowest)

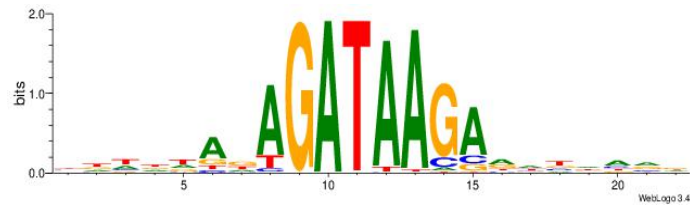
Motif ID:	UP00032
Motif name:	Gata3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	20
Similarity score:	0.0558709

Alignment:

BDHDDADAGATAAGADHBDHVD
-WHAATTAAARAARAAAAAA--

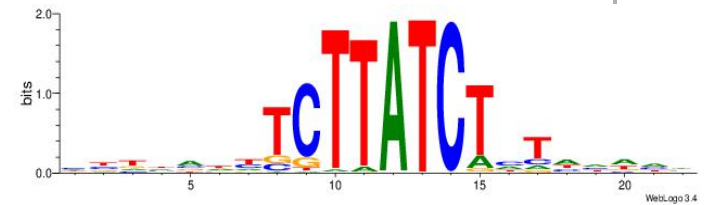
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



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:	Forward
Position number:	1
Number of overlap:	20
Similarity score:	0.0604961

Alignment:

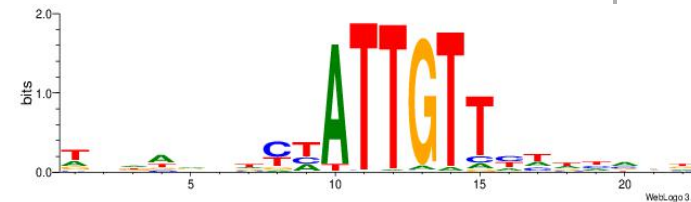
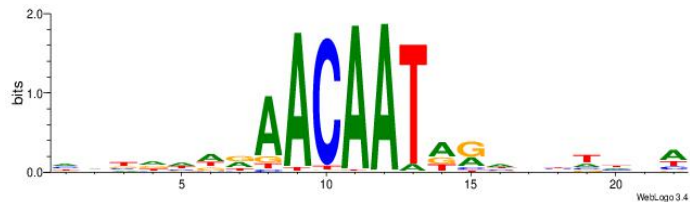
WBHHHHHMDATTGTTHDHDVHH
WHAATTAAARAARAAAAAA--

Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW

Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH

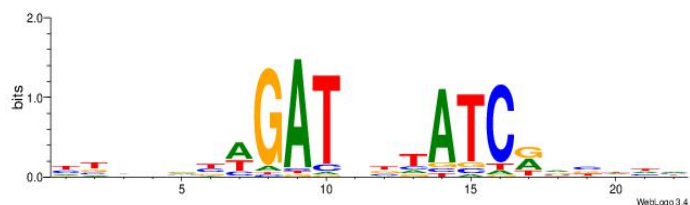


Motif ID: [UP00032](#)
 Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0784238

Alignment:
 HBHDVBWGATHBTATCRVBHHH
 -TTTTTTTKTTKTTTAATTHW-

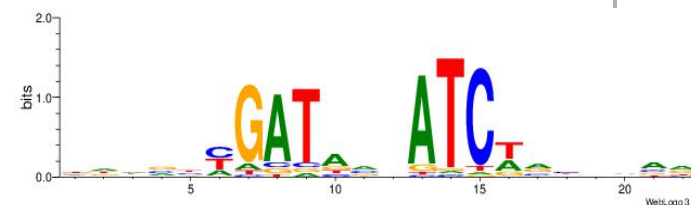
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVH



Motif ID: [UP00034](#)

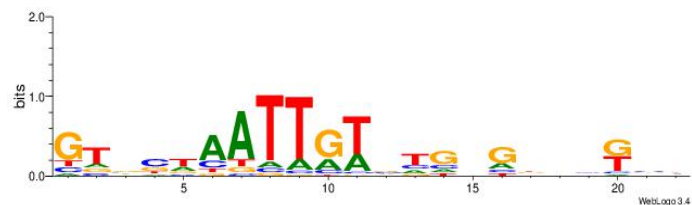
Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.0790353

Alignment:

GTVBDAATTGTVTGHGDDHKVB
 --TTTTTTTKTTKTTTAATTHW

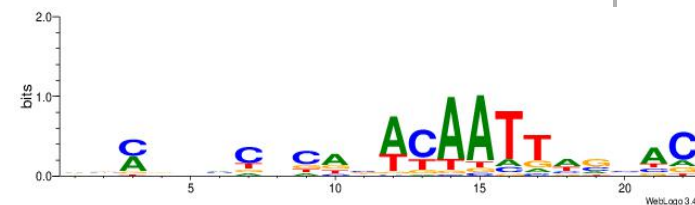
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



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: 4
 Number of overlap: 19

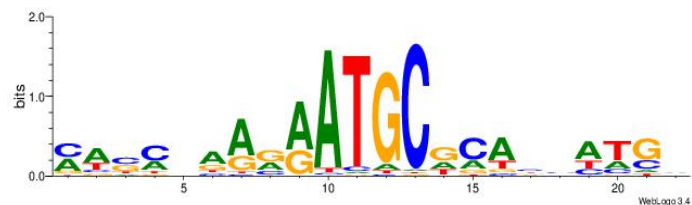
Similarity score: 0.574613

Alignment:

-MWSMBAARRATGCD CABHATGD
WHAATTAAARAARAAAAAA--

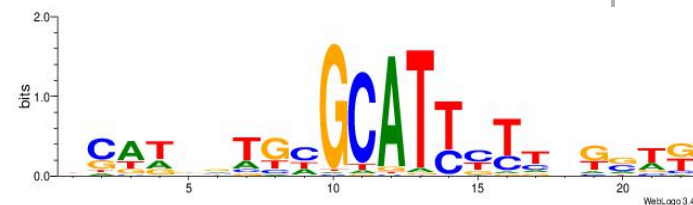
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Motif ID: [UP00077](#)
Motif name: Srf_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: 17
Similarity score: 1.5444

Alignment:

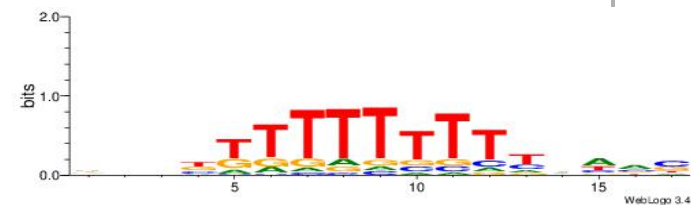
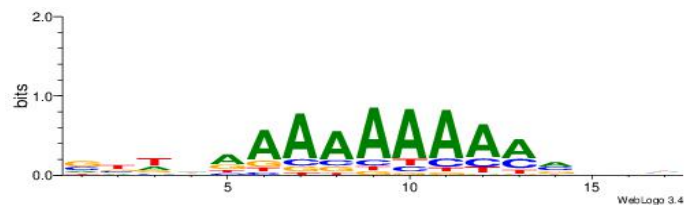
HHVBYTTTTTTTTDDVV---
---WHAATTAAARAARAAAAAA

Original motif

Consensus sequence: VBDDAAAAAAMVBHH

Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDVV

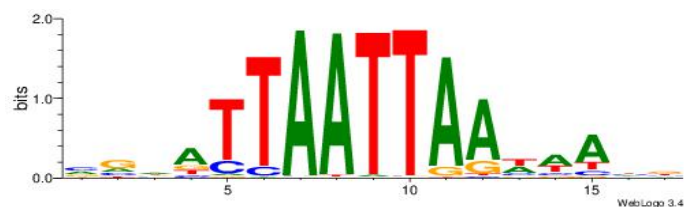


Motif ID: [UP00262](#)
 Motif name: Lhx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 1.54972

Alignment:
 ---VVDATTAATTAAWWAHB
 TTTTTTCTTKTTTAATTHW

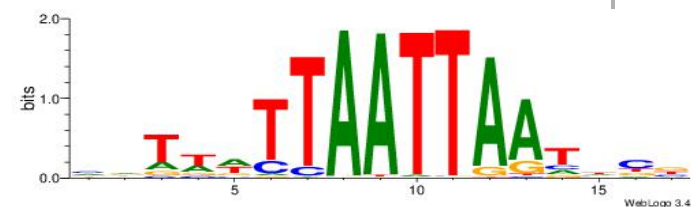
Original motif

Consensus sequence: VVDATTAATTAAWWAHB



Reverse complement motif

Consensus sequence: BHTWWTTAATTAATDV



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: 1
 Number of overlap: 17
 Similarity score: 1.55162

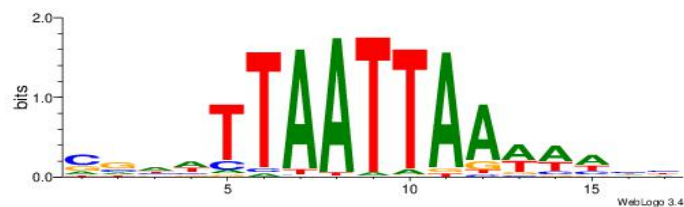
Alignment:

```

---BDWWTTAATTAAHHVG
TTTTTTTKTTKTTAATTHW
  
```

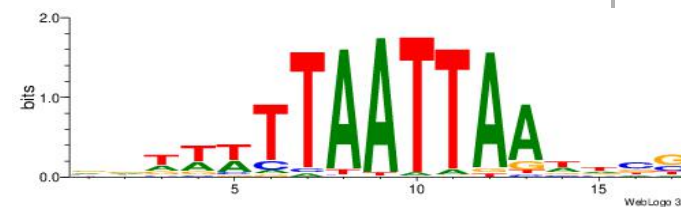
Original motif

Consensus sequence: CVHHTTAATTAAWWHB



Reverse complement motif

Consensus sequence: BDWWTTAATTAAHHVG



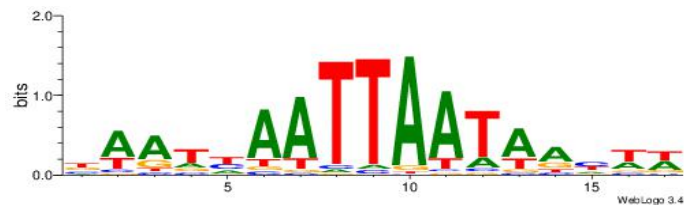
Motif ID: [UP00244](#)
 Motif name: Tlx2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 17
 Similarity score: 1.55254

Alignment:

```
---BAATHAATTAATAAHWW  
TTTTTTTKTTKTTTAATTHW-
```

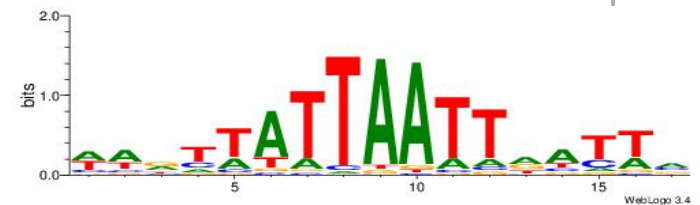
Original motif

Consensus sequence: BAATHAATTAATAAHWW



Reverse complement motif

Consensus sequence: WWDTTATTAATTHATTV



Motif ID:	UP00169
Motif name:	Lmx1b
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:	17
Similarity score:	1.55258

Alignment:

```
BHDATTAATTAAWWWHB---  
WHAATTAAARAARAAAAAA
```

Original motif

Consensus sequence: VDWWTTAATTAATDHB

Reverse complement motif

Consensus sequence: BHDATTAATTAAWWWHB



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MOTIFSIM is written by Ngoc Tam L. Tran
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