



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

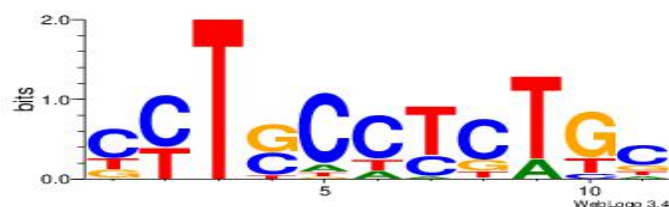
RESULTS

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

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

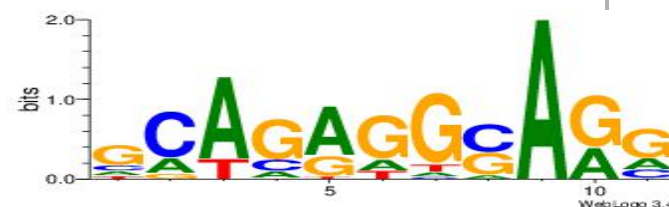
Original motif

Consensus sequence: CYTSCCTCTGC



Reverse complement motif

Consensus sequence: GCAGAGGSAKG



Best Matches for Motif ID 1 (Highest to Lowest)

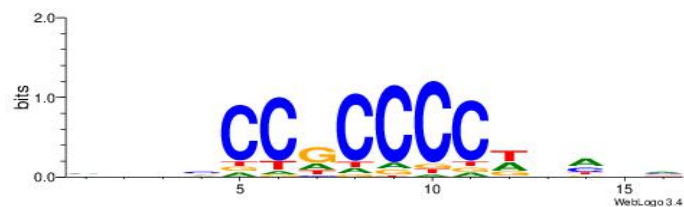
Motif ID:	UP00043
Motif name:	Bcl6b_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	11
Similarity score:	0.0313012

Alignment:

```
HB BBCCGCCCCW HHHV
---CYTSCCTCTGC---
```

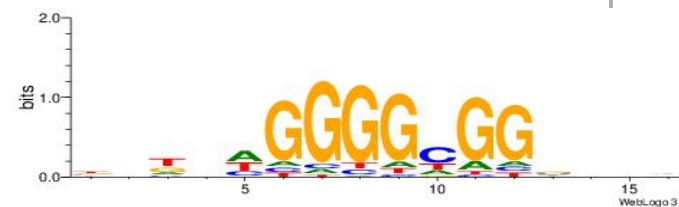
Original motif

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

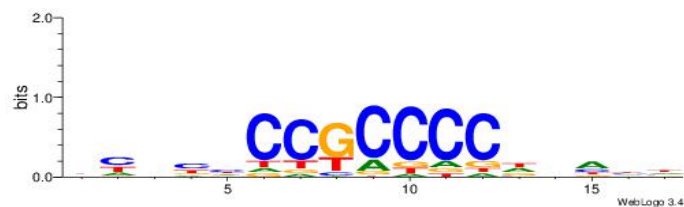
Alignment:

BHHBHCCGCCCCDHHHH

----CYTSCCTCTGC--

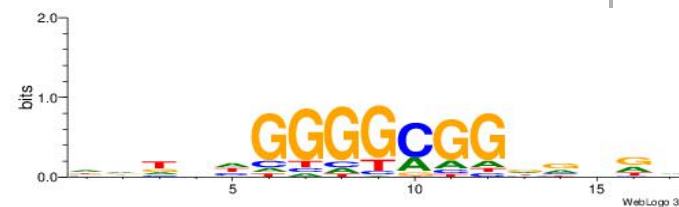
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHVD



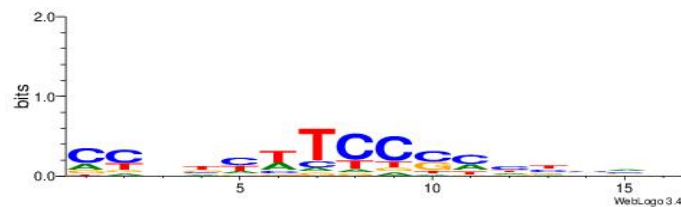
Motif ID: [UP00013](#)
 Motif name: Gabpa_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0322746

Alignment:

CYDBYWTCCSMHBVVH
 ----CYTSCCTCTGC-

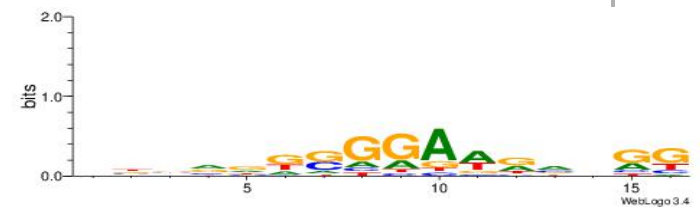
Original motif

Consensus sequence: CYDBYWTCCSMHBVVH



Reverse complement motif

Consensus sequence: DBVDRSGGAWKVHKG



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

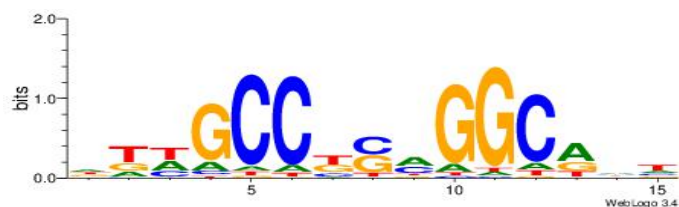
Position number: 5
Number of overlap: 11
Similarity score: 0.0336419

Alignment:

HHKGCCYSRGGCWAD
CYTSCCTCTGC----

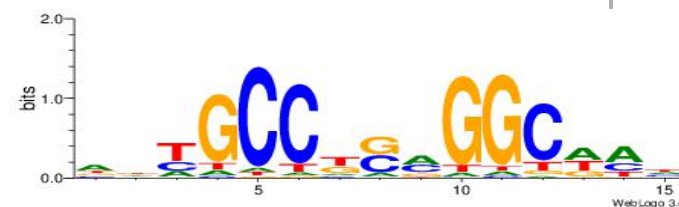
Original motif

Consensus sequence: DTWGCKSMGGCRHH



Reverse complement motif

Consensus sequence: HHKGCCYSRGGCWAD



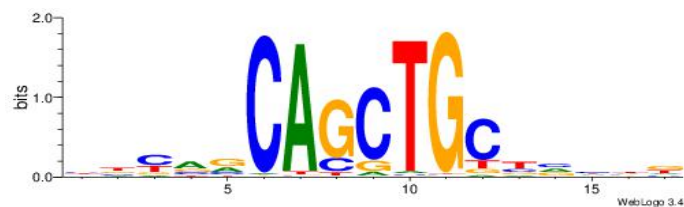
Motif ID: [UP00099](#)
Motif name: Ascl2_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 11
Similarity score: 0.0343277

Alignment:

HHDVVGCAGCTGVBKVB
-----GCAGAGGSAKG-

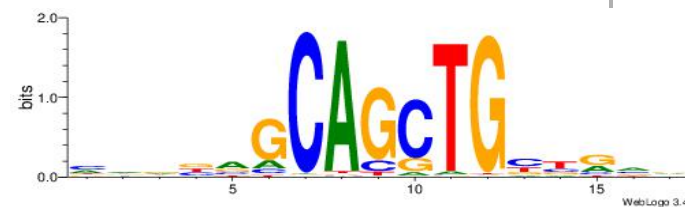
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HDDVVGCAGCTGVBKVB



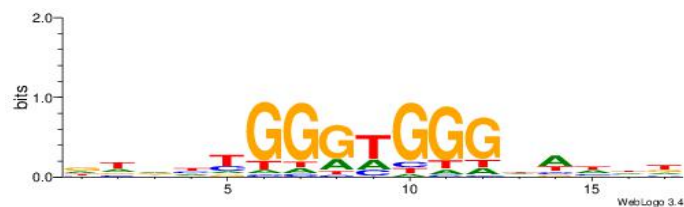
Motif ID: [UP00096](#)
 Motif name: Sox13_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0359879

Alignment:

DDDHTGGGTGGGHAHHD
 -----CYTSCCTCTGC

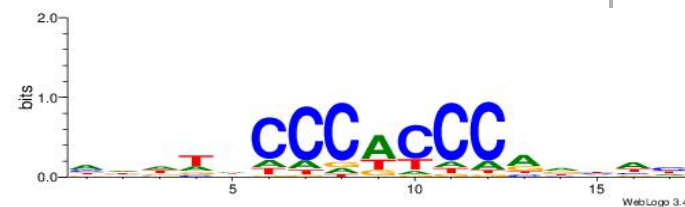
Original motif

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: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.036078

Alignment:

HDACTTCCBCWTDV
 ---CYTSCCTCTGC

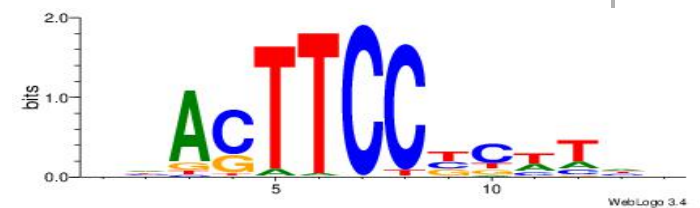
Original motif

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

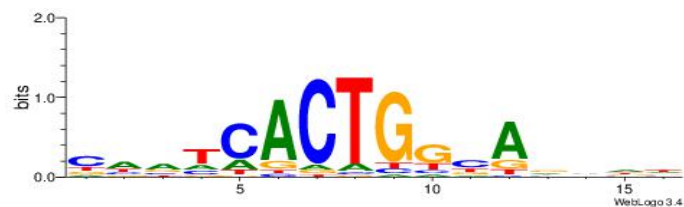
Number of overlap: 11
Similarity score: 0.0369028

Alignment:

DDHHTBCCAGTGABHG
--CYTSCCTCTGC---

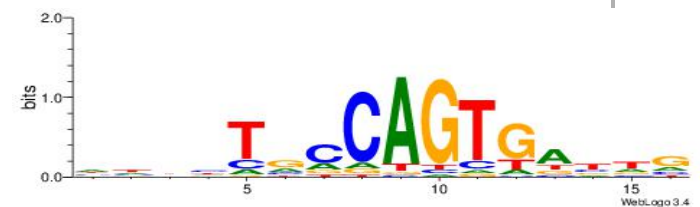
Original motif

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

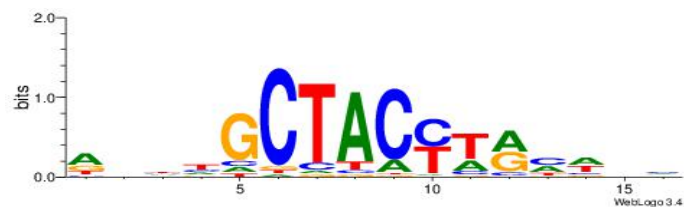
Alignment:

VDWRKAKGTAGCHHDT
-GCAGAGGSAKG----

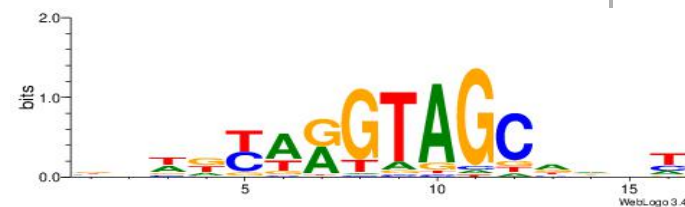
Original motif

Reverse complement motif

Consensus sequence: AHHHGCTACYTRMWHV



Consensus sequence: VDWRKAKGTAGCHHDT



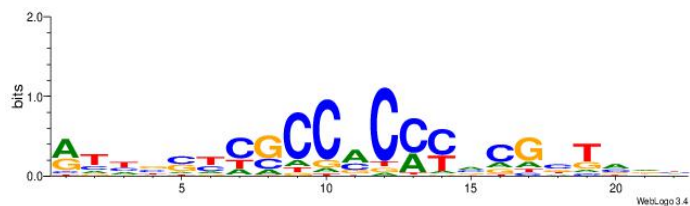
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 8
Number of overlap: 11
Similarity score: 0.0381821

Alignment:

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

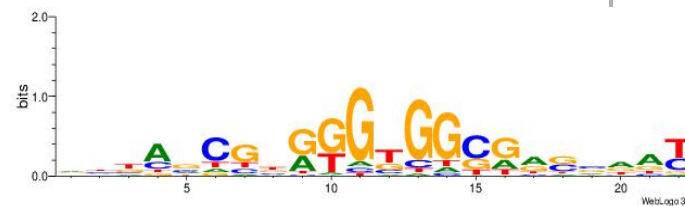
Original motif

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

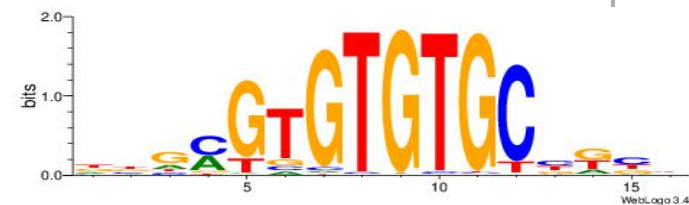
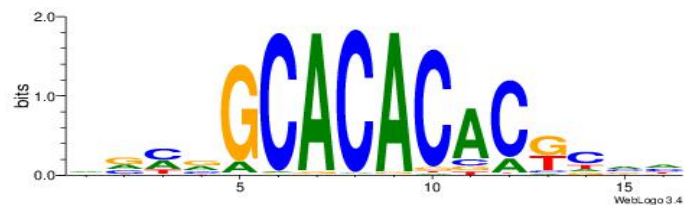
GTGTGTGTGTGTGT--

Original motif

Consensus sequence: DVMVGCACACACKCVH

Reverse complement motif

Consensus sequence: HBGYGTGTGTGCVRVD



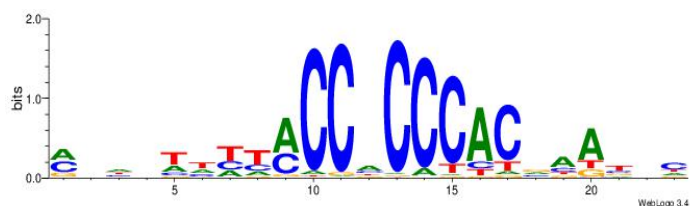
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10
 Number of overlap: 14
 Similarity score: 0.043857

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 -----ACACACACACACAC

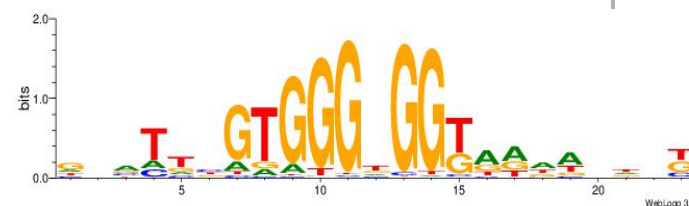
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Motif ID: [UP00026](#)

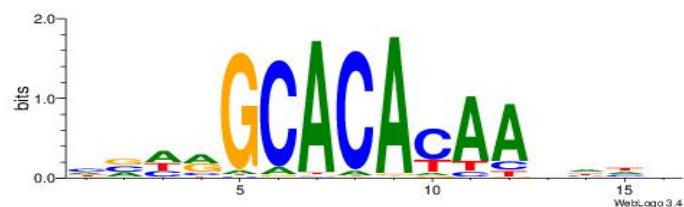
Motif name: Zscan4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0468808

Alignment:

BHHHTTGTGTGCKHVD
 GTGTGTGTGTGTGT--

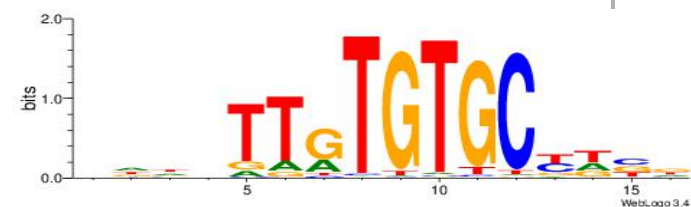
Original motif

Consensus sequence: HVHRGCACACAAHHHV



Reverse complement motif

Consensus sequence: BHHHTTGTGTGCKHVD

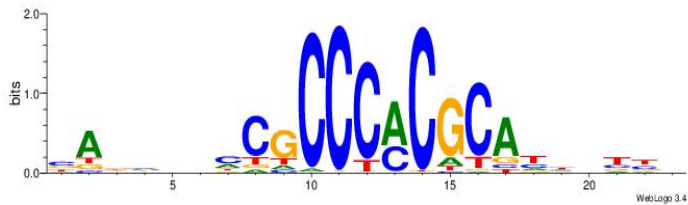


Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 14

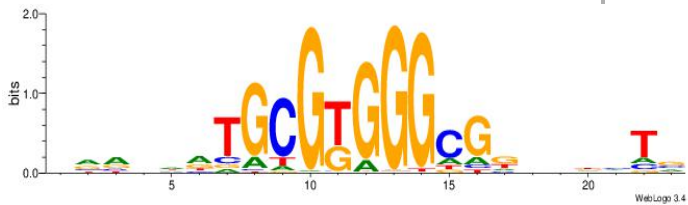
Similarity score: 0.0479337

Alignment:
BADHBDHCGCCCMCGCAHHDBBV
-----ACACACACACACAC---

Original motif
Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif
Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB

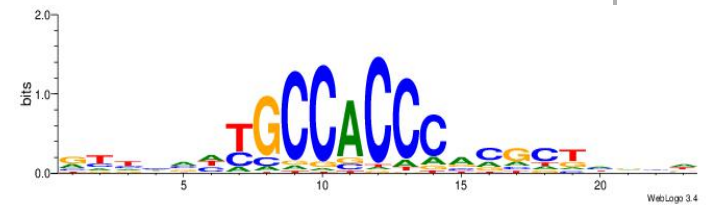
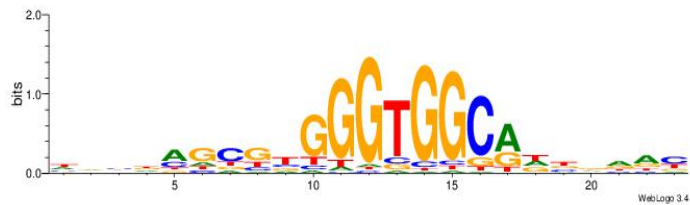


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 9
Number of overlap: 14
Similarity score: 0.0485959

Alignment:
HVBDAGCGBGGGTGGCRDBDDDB
-GTGTGTGTGTGTGT-----

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



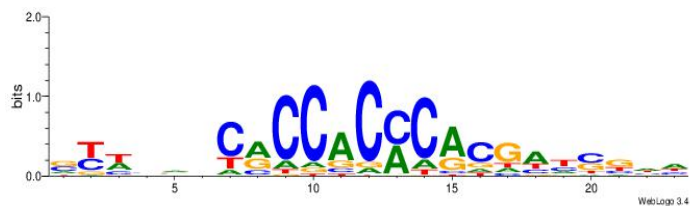
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 14
 Similarity score: 0.0526961

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 --ACACACACACAC-----

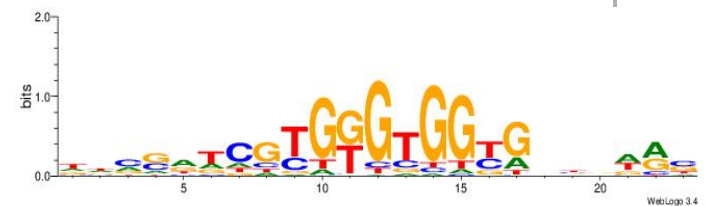
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDVWVMV



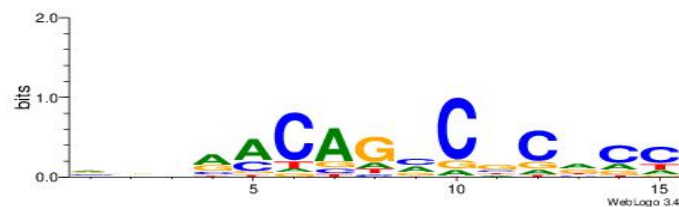
Motif ID: [UP00036](#)
 Motif name: Myf6_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0540872

Alignment:

VVVRACAGVCBCDCC
 ACACACACACACAC-

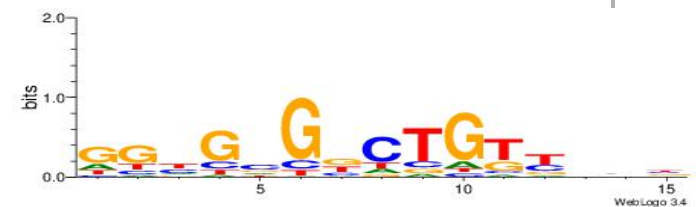
Original motif

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

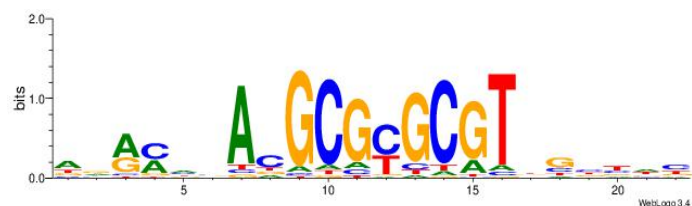
Number of overlap: 14
Similarity score: 0.0550075

Alignment:

DDRMHBACGCGYGCGTDGBBDB
ACACACACACACAC-----

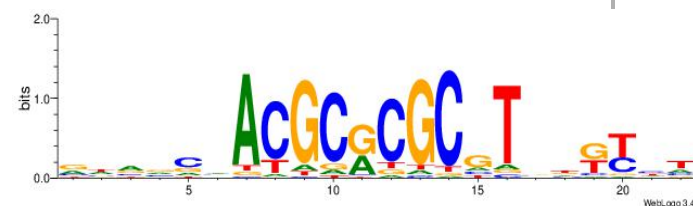
Original motif

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:

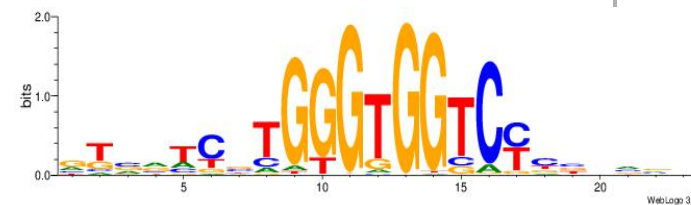
BBBDVVRGACCACCCAVGABBAB
-----ACACACACACACAC

Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB

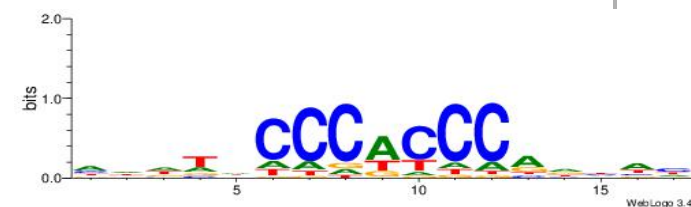
Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



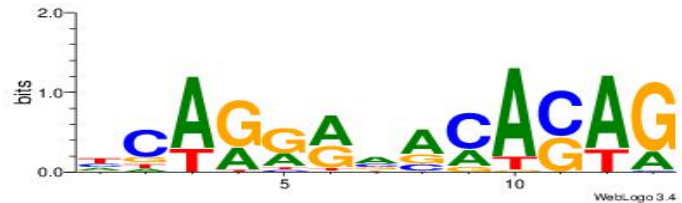
Original motif
Consensus sequence: DDDHTGGGTGGGHAHHD

Reverse complement motif
Consensus sequence: DHHTHCCCACCAHDDH



Original motif

Consensus sequence: HCAGRRVACASAG



Best Matches for Motif ID 3 (Highest to Lowest)

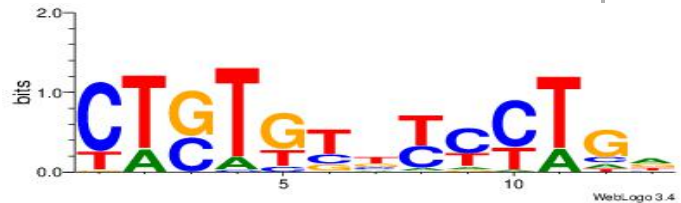
Motif ID: [UP00028](#)
Motif name: Tcfap2e_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 13
Similarity score: 0.0445121

Alignment:
HDCDBRAAAAAADD
-HCAGRRVACASAG

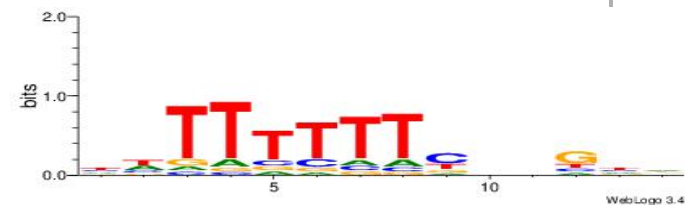
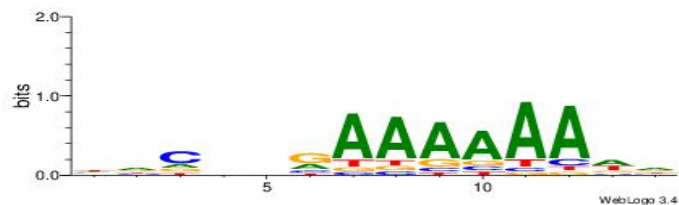
Original motif
Consensus sequence: HDCDBRAAAAAADD

Reverse complement motif

Consensus sequence: CTSTGTBKMCTGH



Reverse complement motif
Consensus sequence: DDTTTTTTMBDGDH



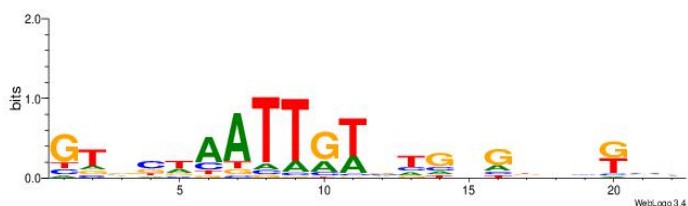
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10
 Number of overlap: 13
 Similarity score: 0.0448793

Alignment:

GTVBDAATTGTVTGHGDDHKVB
 -----CTSTGTBKMCTGH

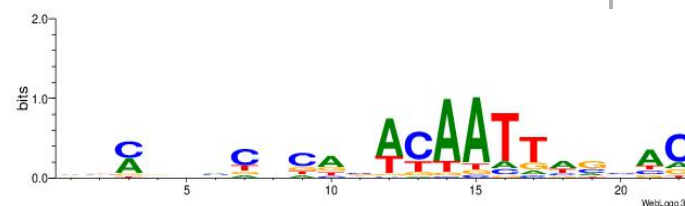
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Motif ID: [UP00041](#)

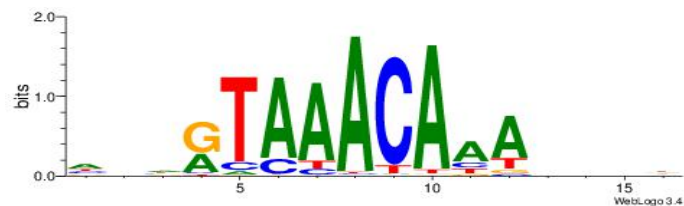
Motif name: Foxj1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0454552

Alignment:

DDDHTTTGTTTAMHDDH
 ---CTSTGTBKMCTGH

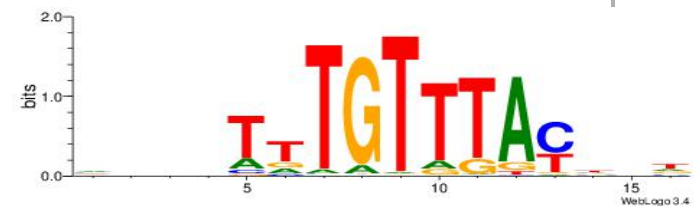
Original motif

Consensus sequence: HDHRTAAACAAHDDD



Reverse complement motif

Consensus sequence: DDDHTTTGTTTAMHDDH



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

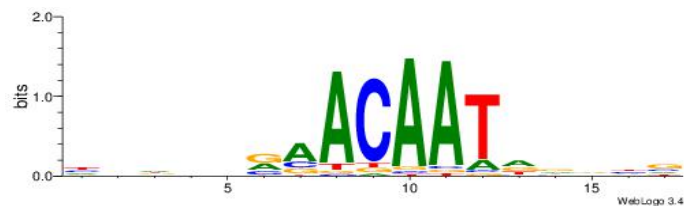
Alignment:

HHDHDRAACAATDDVHV

HCAGRRVACASAG----

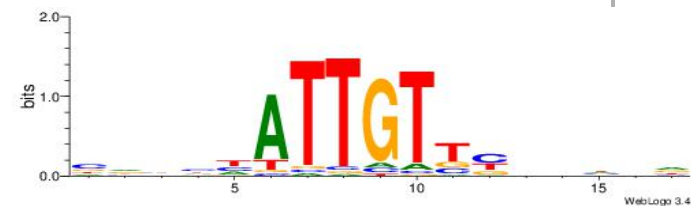
Original motif

Consensus sequence: HHDHDRAACAATDDVHV



Reverse complement motif

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

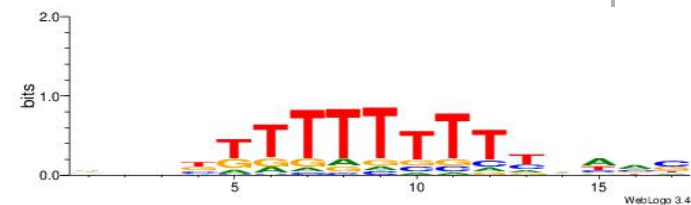
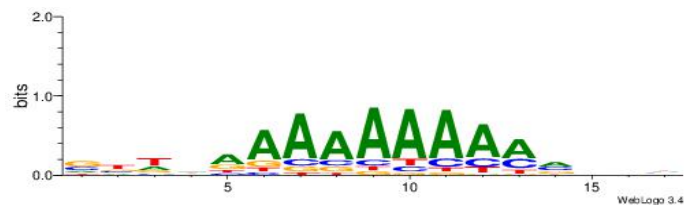
-HCAGRRVACASAG---

Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH

Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDVV



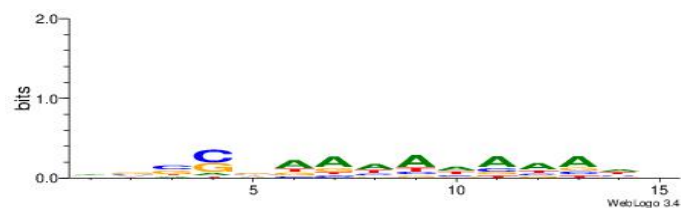
Motif ID: [UP00058](#)
 Motif name: Tcf3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0553073

Alignment:

DVBSBDAHAHAHAHH
 -HCAGRRVACASAG-

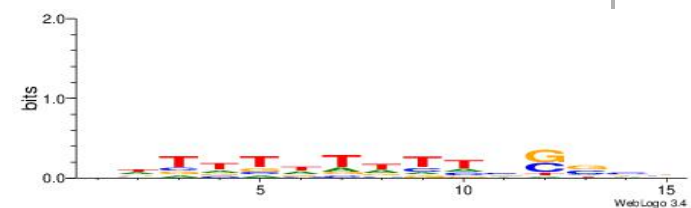
Original motif

Consensus sequence: DVBSBDAHAHAHAHH



Reverse complement motif

Consensus sequence: HHTHTHTHTDBSBVD



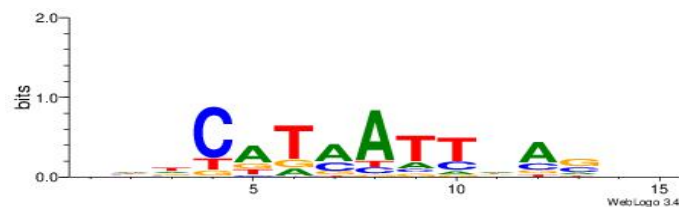
Motif ID: [UP00091](#)
 Motif name: Sox5_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0562585

Alignment:

DHDCATMATTDASDD
 --HCAGRRVACASAG

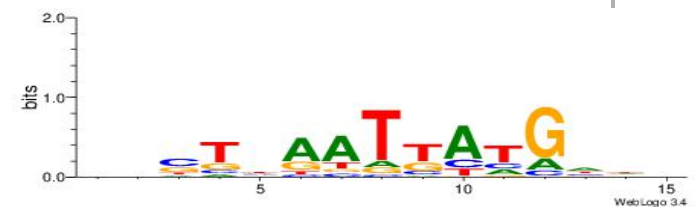
Original motif

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

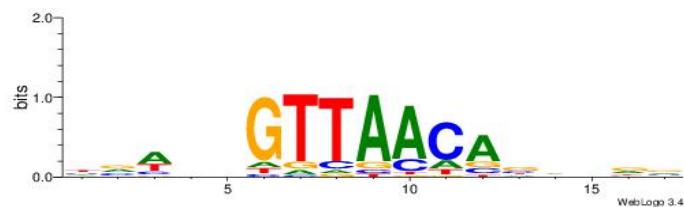
Number of overlap: 13
Similarity score: 0.0564984

Alignment:

VHVHBTGTTAACVHWVH
--CTSTGTBKMCTGH--

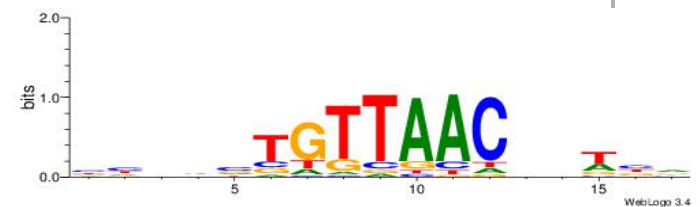
Original motif

Consensus sequence: HVWHBGTTAACABHBDV



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

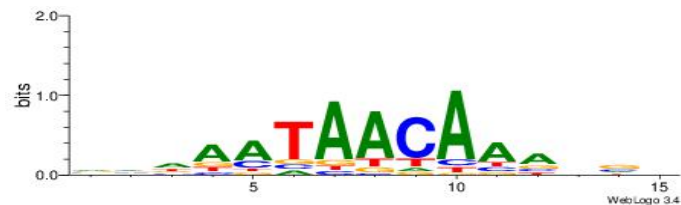
Alignment:

VVDAATAACAAAVVB
HCAGRRVACASAG--

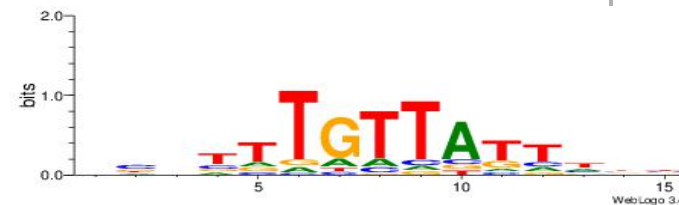
Original motif

Reverse complement motif

Consensus sequence: VVDAATAACAAAVVB



Consensus sequence: BVVTTTGTTATTDBB



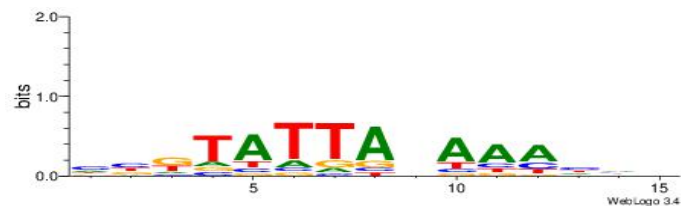
Motif ID: [UP00054](#)
Motif name: Tcf7_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 13
Similarity score: 0.0574997

Alignment:

HHDTTTVTAATAYBD
CTSTGTBKMCTGH--

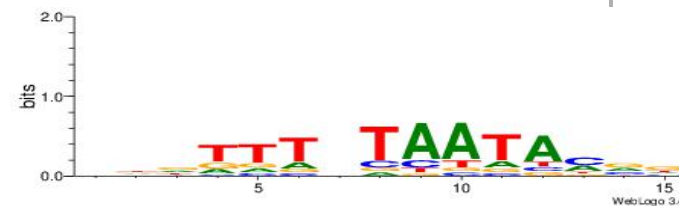
Original motif

Consensus sequence: HBKTATTABAAAHHH



Reverse complement motif

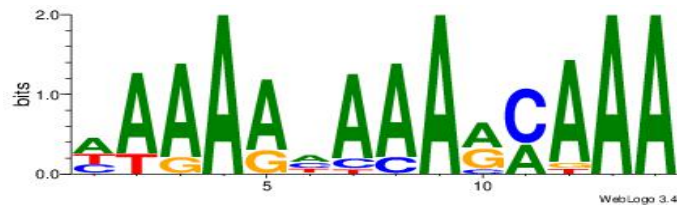
Consensus sequence: HHDTTTVTAATAYBD



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

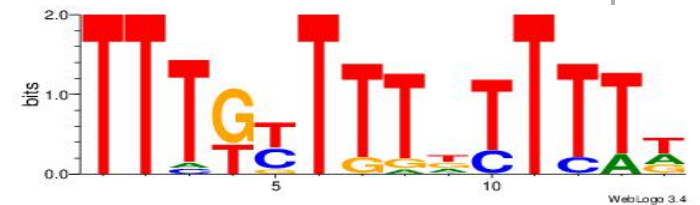
Original motif

Consensus sequence: HAAAAHAAARMAAA



Reverse complement motif

Consensus sequence: TTTRKTTTHTTTTH



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:

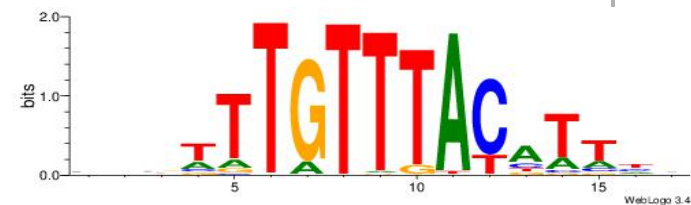
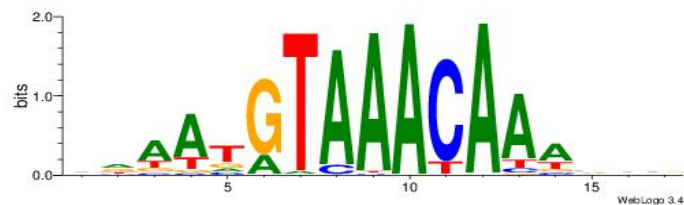
```
BBVTTTGTTTACATTDD
---TTTRKTTTHTTTTH
```

Original motif

Consensus sequence: DDAATGTAAACAAVVB

Reverse complement motif

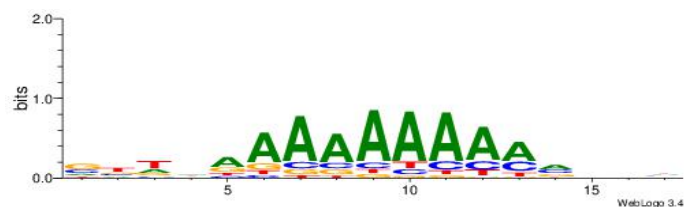
Consensus sequence: BBVTTTGTTTACATTDD



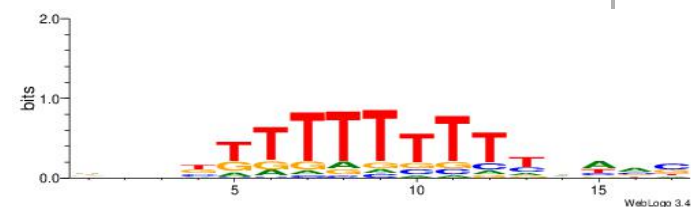
Motif ID: [UP00077](#)
 Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0216448

Alignment:
 VBDDAAAAAAAAAMVBHH
 ---HAAAAHAAARMAAA

Original motif
 Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif
 Consensus sequence: HHVBYTTTTTTTTDDVV



Motif ID: [UP00039](#)
 Motif name: Foxj3_primary

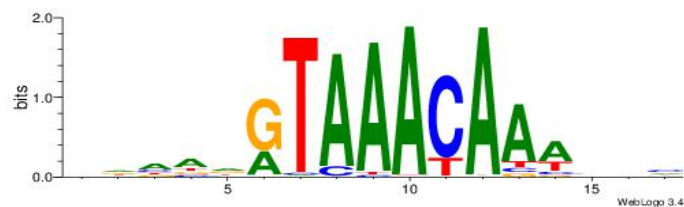
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0216826

Alignment:

DVVT TTGTTTACDTHDH
 ---TTTRKTTTHTTTH

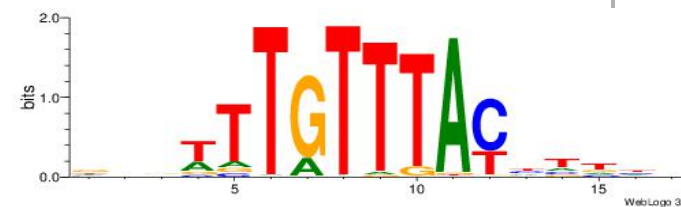
Original motif

Consensus sequence: HDHADGTAAACAAVVH



Reverse complement motif

Consensus sequence: DVVT TTGTTTACDTHDH



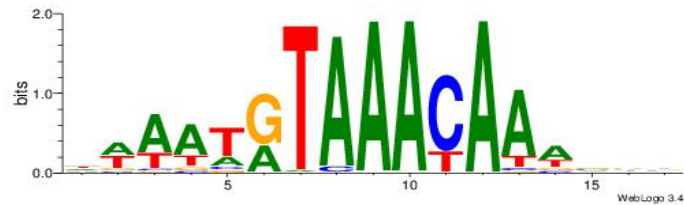
Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0232085

Alignment:

VVWTTGTTTAMATTWD
---TTTRKTTTHTTTTH

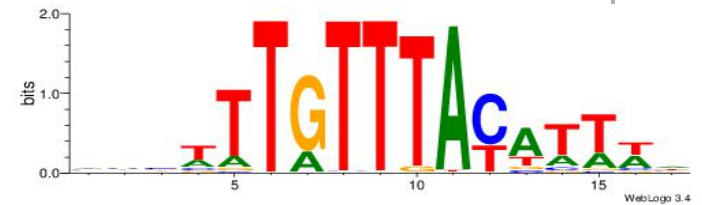
Original motif

Consensus sequence: DWAATRTAACAACWVVB



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:

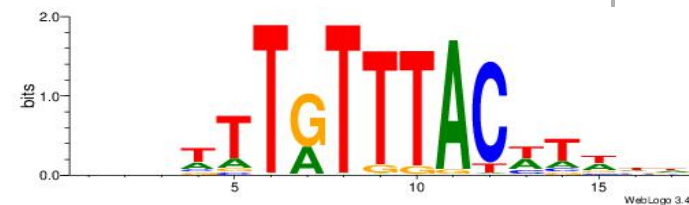
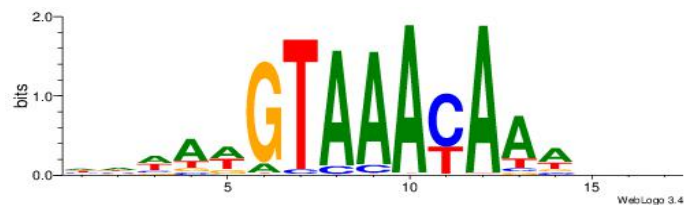
BDVTTTKTTTACWTWHH
---TTTRKTTTHTTTTH

Original motif

Consensus sequence: HHWAWGTAAAYAAVDB

Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH

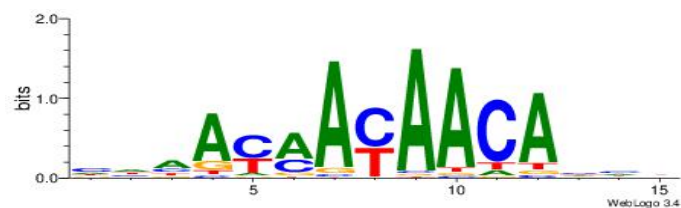


Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0257356

Alignment:
 HDDTGTTKTTKTHHD
 -TTTRKTTTHTTTTH

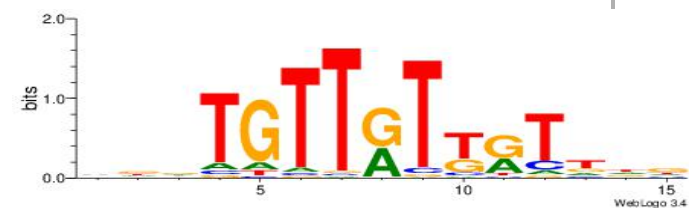
Original motif

Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



Motif ID: [UP00037](#)

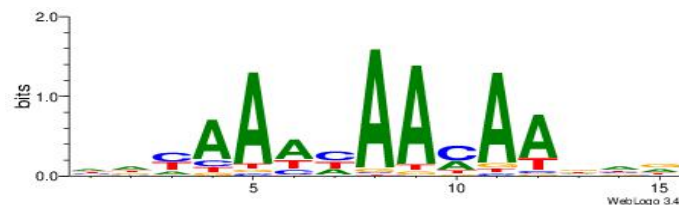
Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0280765

Alignment:

HHHTTRTTDTTTKDH
 -TTTRKTTTHTTTTH

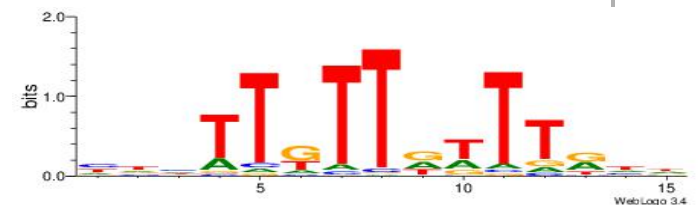
Original motif

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

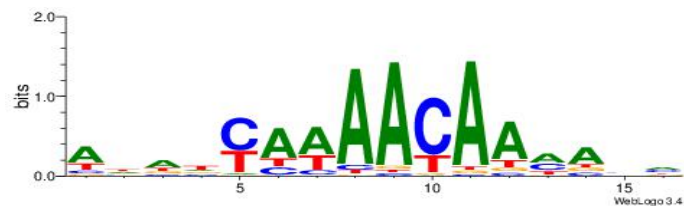
Similarity score: 0.0284931

Alignment:

HDTYTTGTTWTKDDDT
--TTTRKTTTHTTTTH

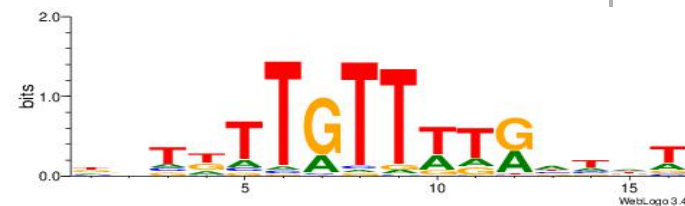
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

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:

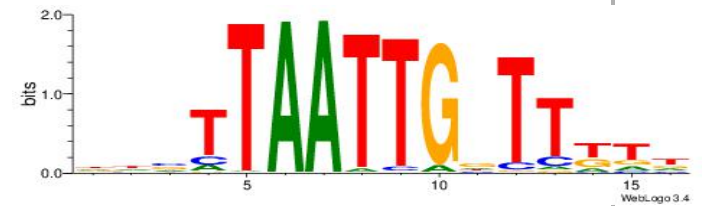
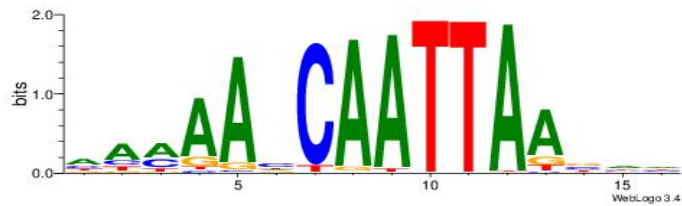
HHBTTAATTGDTTYTH
--TTTRKTTTHTTTTH

Original motif

Consensus sequence: HAMAAHCAATTAABHH

Reverse complement motif

Consensus sequence: HHBTTAATTGDTTYTH

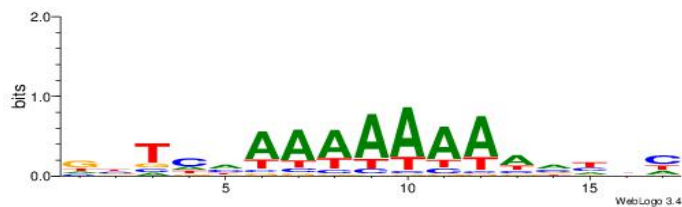


Motif ID: [UP00090](#)
 Motif name: Elf3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0324424

Alignment:
 DBTHHAAAAAAAAAVVDH
 ---HAAAAHAAARMAAA

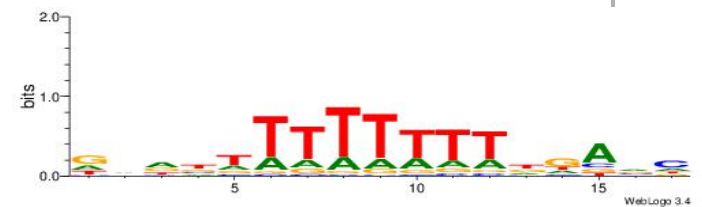
Original motif

Consensus sequence: DBTHHAAAAAAAAAVVDH



Reverse complement motif

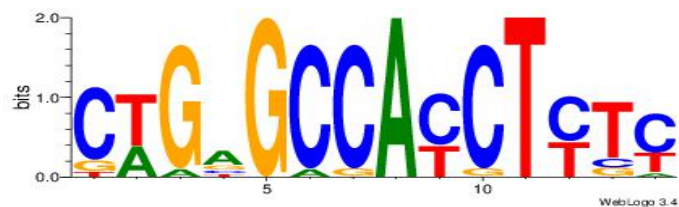
Consensus sequence: DDHBTTTTTTTTTHDAVH



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

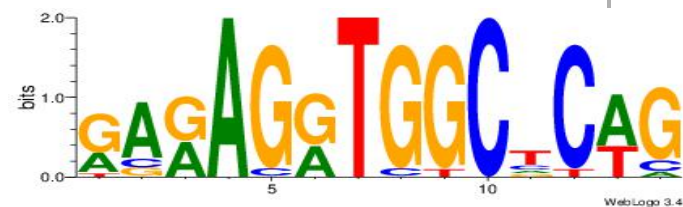
Original motif

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

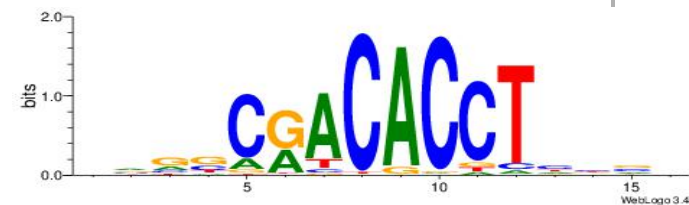
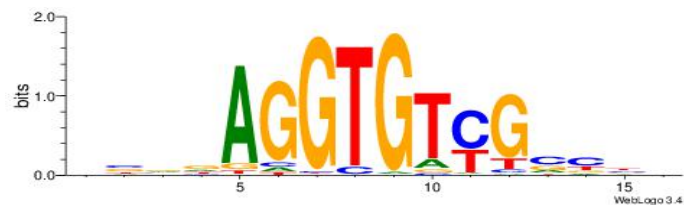
–GAKAGKTGGCTCWG–

Original motif

Consensus sequence: VBVDAGGTGTYGVBBV

Reverse complement motif

Consensus sequence: VVBVCKACACCTHVBV

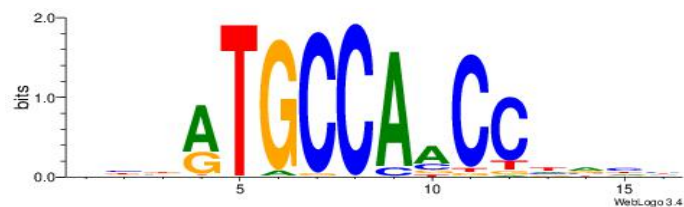


Motif ID: [UP00035](#)
 Motif name: Hic1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0137859

Alignment:
 DBBATGCCAACCHVHH
 -CWGAGCCAYCTYTC-

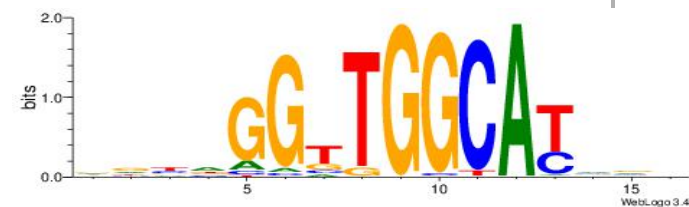
Original motif

Consensus sequence: DBBATGCCAACCHVHH



Reverse complement motif

Consensus sequence: DDBHGGTTGGCATVBD



Motif ID: [UP00098](#)

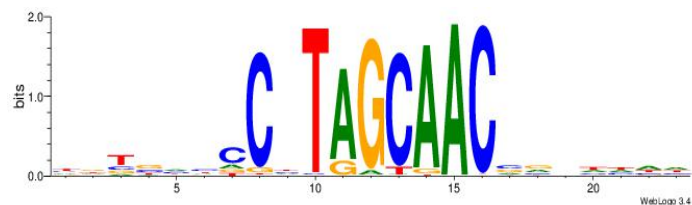
Motif name: Rfx3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.017234

Alignment:

HHHHDVVGTTGCTAHGGDHBAHH
 --GAKAGKTGGCTCWG-----

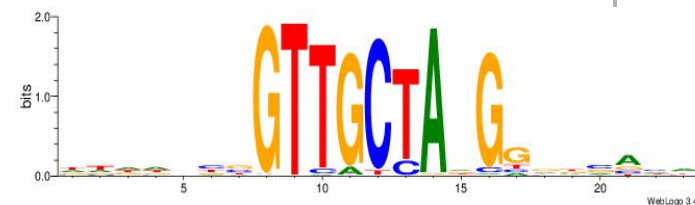
Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH



Reverse complement motif

Consensus sequence: HHHHDVVGTTGCTAHGGDHBAHH



Motif ID: [UP00264](#)
 Motif name: Hoxa1
 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: 0.0174544

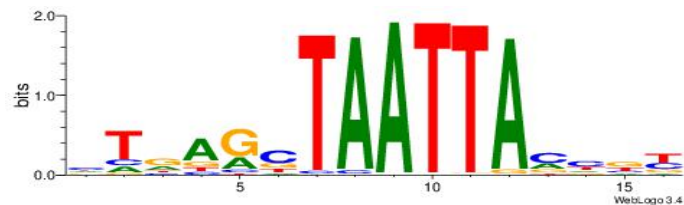
Alignment:

MBDRTAATTAGCTHAD

--GAKAGKTGGCTCWG

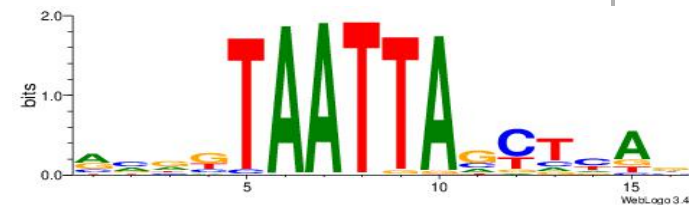
Original motif

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

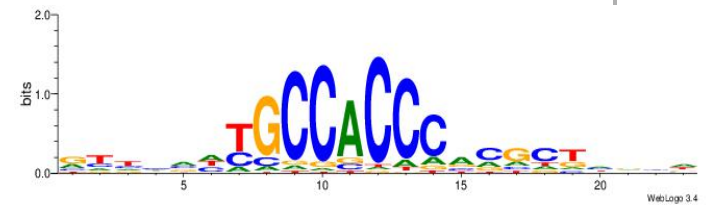
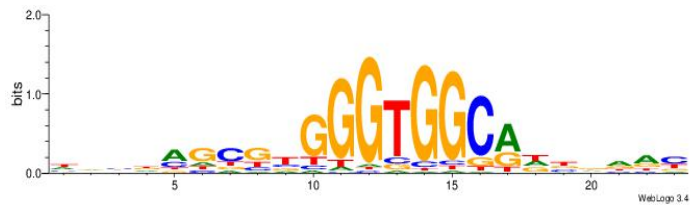
---CWGAGCCAYCTYTC-----

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

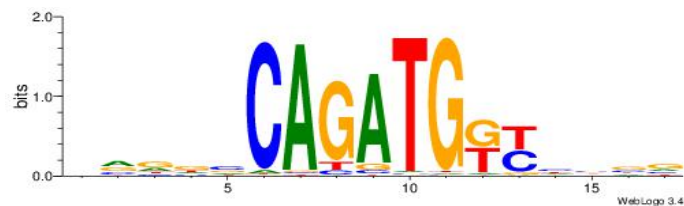
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



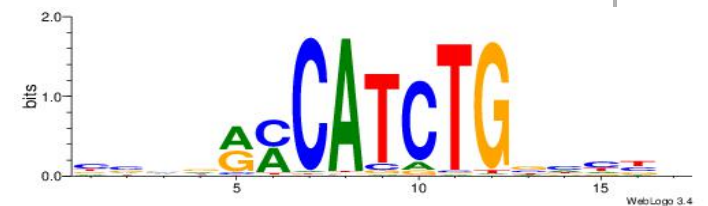
Motif ID: [UP00046](#)
 Motif name: Tcfe2a_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0198398

Alignment:
 HVDDVCAGATGKYHBBV
 ---GAKAGKTGGCTCWG

Original motif
 Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif
 Consensus sequence: VBBDMYCATCTGVHHBH



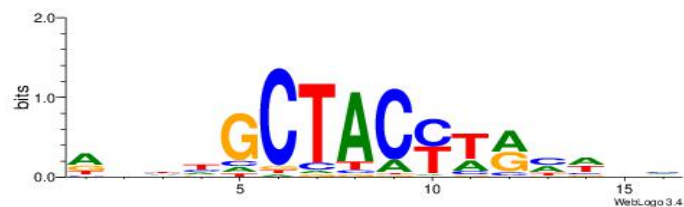
Motif ID: [UP00052](#)
 Motif name: Osr2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0203442

Alignment:

VDWRKAKGTAGCHHDT
 --GAKAGKTGGCTCWG

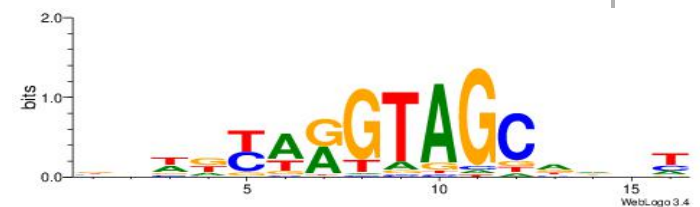
Original motif

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

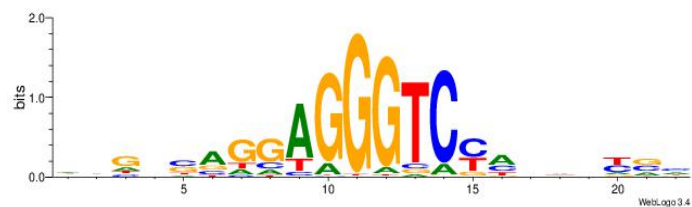
Number of overlap: 14
Similarity score: 0.0208381

Alignment:

DVMHHDHKGACCCTCCTSVCBH
-----CWGAGCCAYCTYTC--

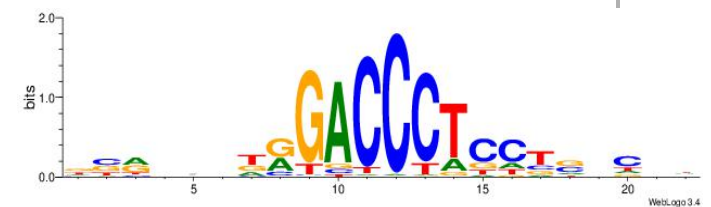
Original motif

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

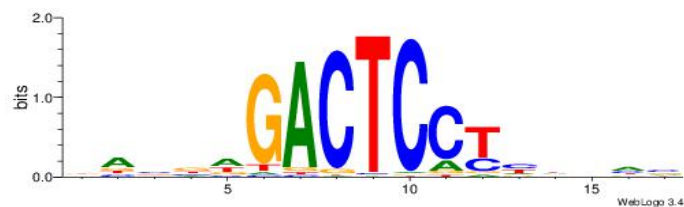
Alignment:

VHBDDAGGAGTCWBBTD
--GAKAGKTGGCTCWG-

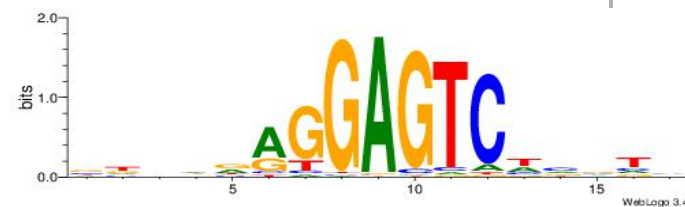
Original motif

Reverse complement motif

Consensus sequence: DABBWGACTCCTHDVHV



Consensus sequence: VHBDDAGGAGTCWBBTD



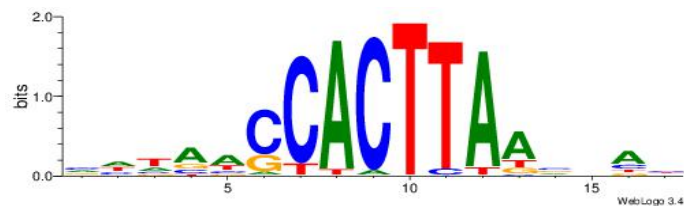
Motif ID: [UP00228](#)
Motif name: Bapx1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 14
Similarity score: 0.0212049

Alignment:

DTBVTTAAGTGGTTHHV
---GAKAGKTGGCTCWG

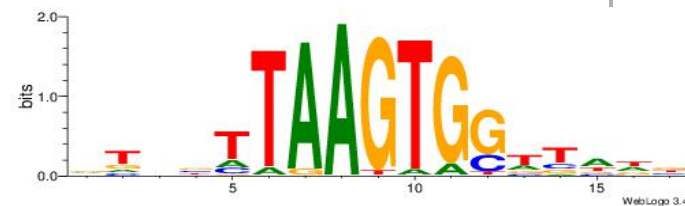
Original motif

Consensus sequence: VHHAACCACTTAAVVAH



Reverse complement motif

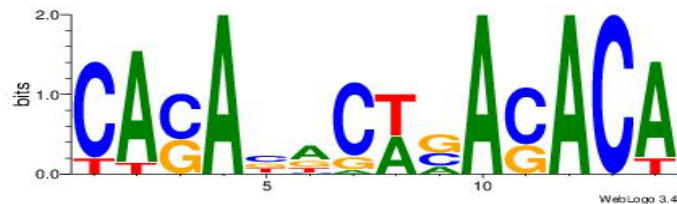
Consensus sequence: DTBVTTAAGTGGTTHHV



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:

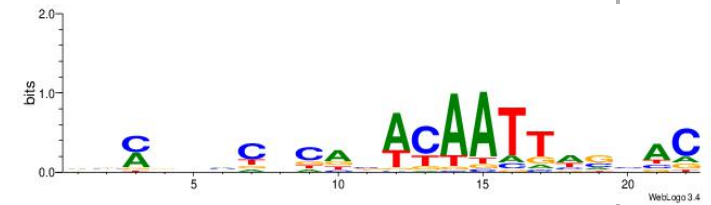
```
GTVBDAATTGTVTGHGDDHKVB
CASABACWSACACA-----
```

Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB

Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Alignment:

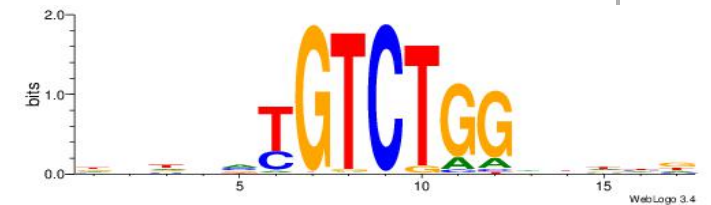
```
HVHBVTGTCTGGDDHDD
---TGTGTSWGTBTSTG
```

Original motif

Consensus sequence: HDHDDCCAGACABBHVH

Reverse complement motif

Consensus sequence: HVHBVTGTCTGGDDHDD



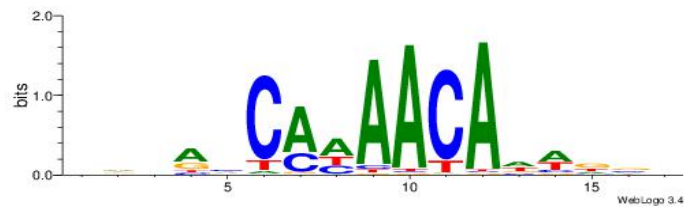
Motif ID: [UP00039](#)
Motif name: Foxj3_secondary

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---

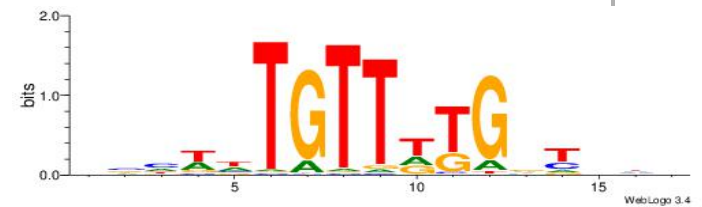
Original motif

Consensus sequence: HDBAHCAWAACADWDVD



Reverse complement motif

Consensus sequence: DVHWDTGTTWTGDTBDH



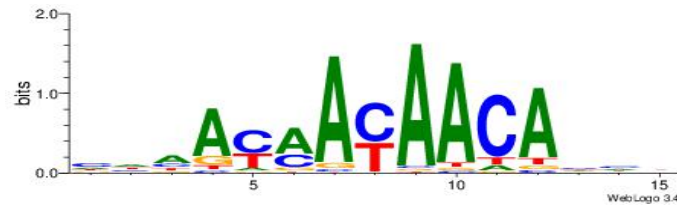
Motif ID: [UP00025](#)
Motif name: Foxk1_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0507431

Alignment:

HHHAYAAAYAACAHHH
CASABACWSACACA-

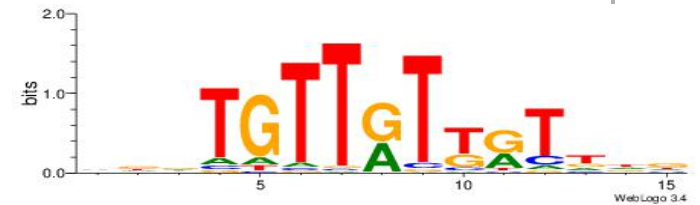
Original motif

Consensus sequence: HHHAYAAAYAACAHHH



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:

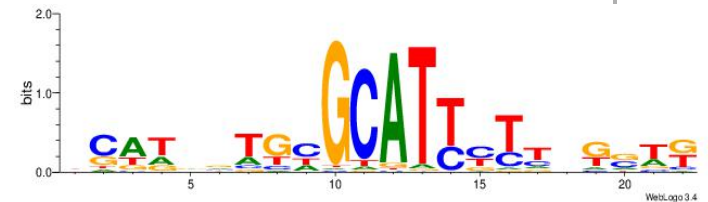
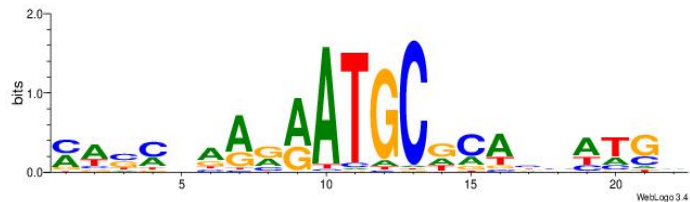
MWSMBAARRATGCD CABHATGD
CASABACWSACACA-----

Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD

Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR

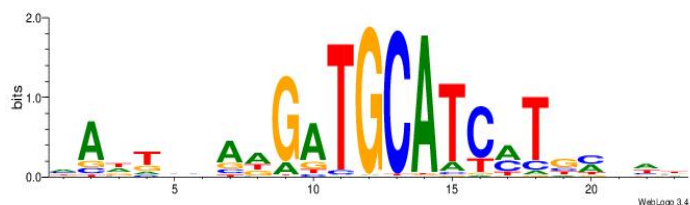


Motif ID: [UP00528](#)
 Motif name: Foxm1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0538393

Alignment:
 HADTBVADGATGCATCMTGMVHB
 CASABACWSACACA-----

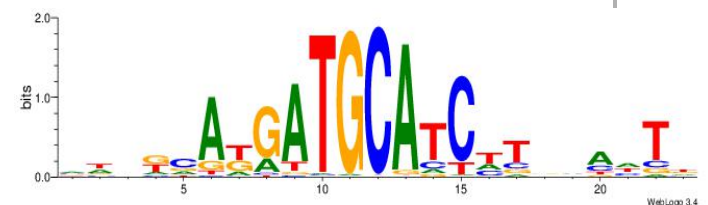
Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB



Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH



Motif ID: [UP00031](#)

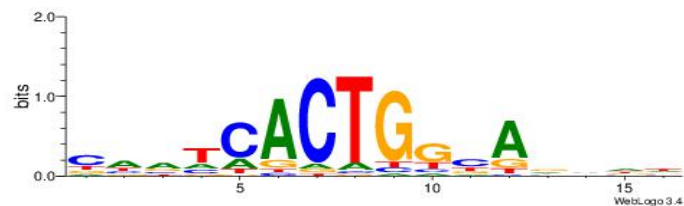
Motif name: Zbtb3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0538699

Alignment:

DDHHTBCCAGTGABHG
 --TGTGTSWGTBTSTG

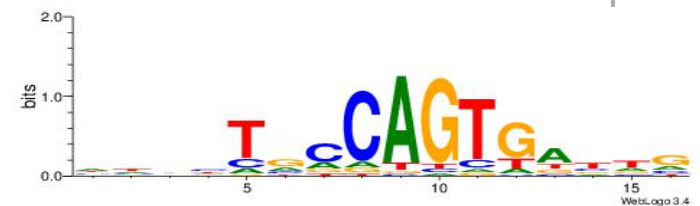
Original motif

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

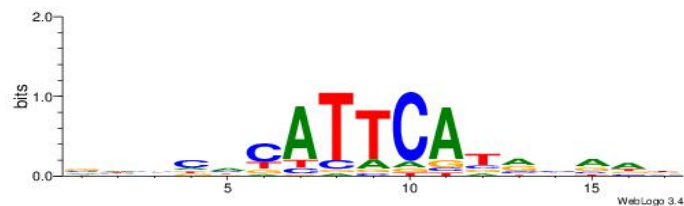
Similarity score: 0.0541456

Alignment:

VHBHHCATTCATRHVDD
---CASABACWSACACA

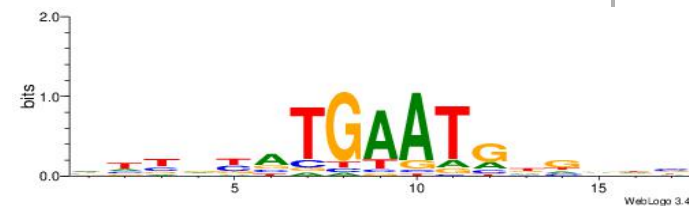
Original motif

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:

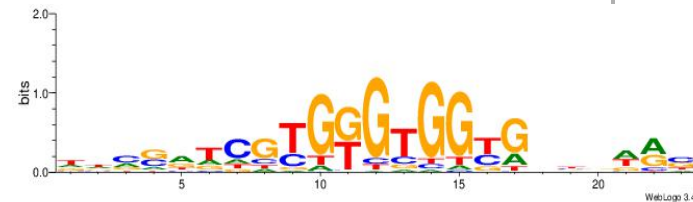
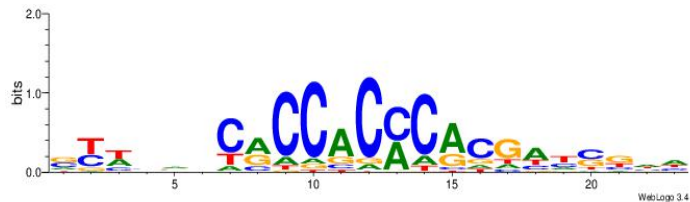
VYWVVHCRCCACMCACGAHSBHH
-----CASABACWSACACA

Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



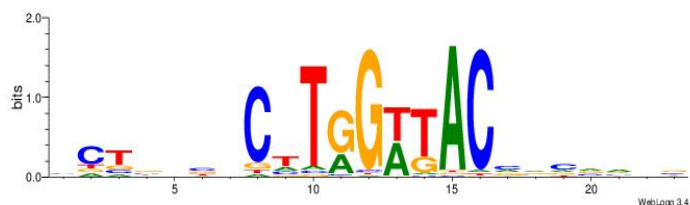
Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0545034

Alignment:

BDBBVBVGTAWCCAAGVBHBAGB
 -----TGTGTSWGTBTSTG-

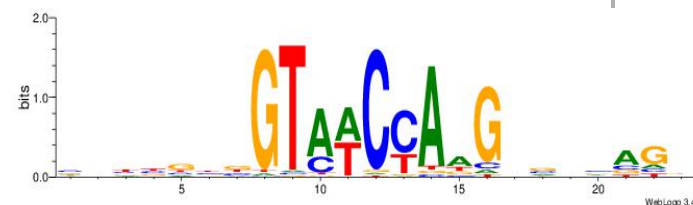
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



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

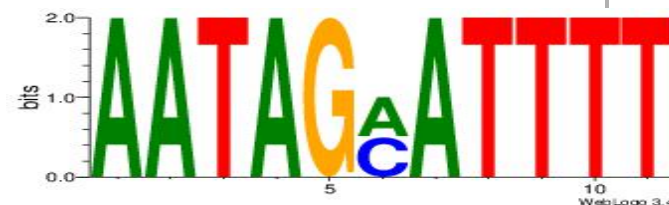
Original motif

Consensus sequence: AAAATKCTATT



Reverse complement motif

Consensus sequence: AATAGYATTTT



Best Matches for Motif ID 7 (Highest to Lowest)

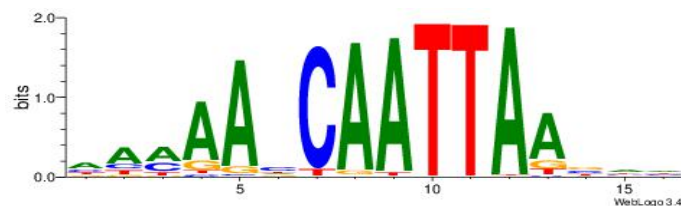
Motif ID:	UP00145
Motif name:	Barhl2
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	11
Similarity score:	0.0314776

Alignment:

```
HHBTTAATTGDTTYTH  
-----AATAGYATTTT
```

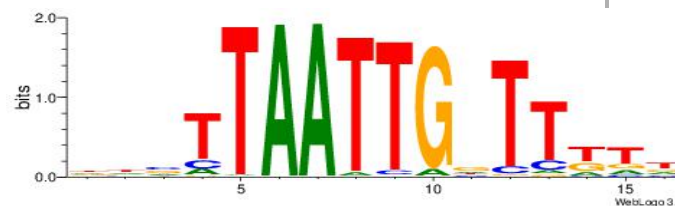
Original motif

Consensus sequence: HAMAAHCAATTAABHH



Reverse complement motif

Consensus sequence: HHBTTAATTGDTTYTH



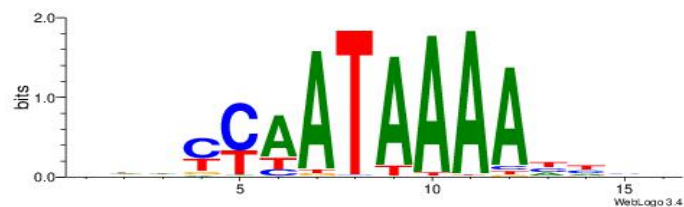
Motif ID: [UP00180](#)
 Motif name: Hoxd13
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0388915

Alignment:

HDHHTTTTATTKKHDD
 AAAATKCTATT-----

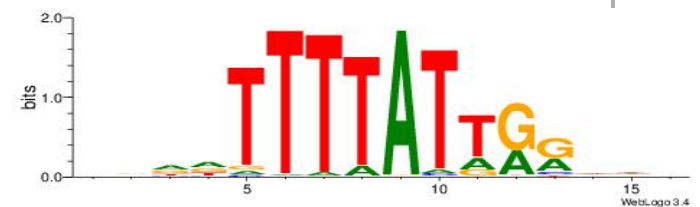
Original motif

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

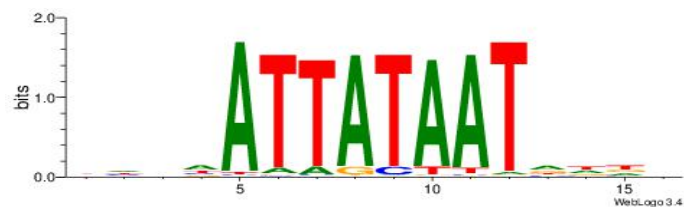
Number of overlap: 11
Similarity score: 0.039378

Alignment:

VDDDATTATAATHDHV
-AAAATKCTATT----

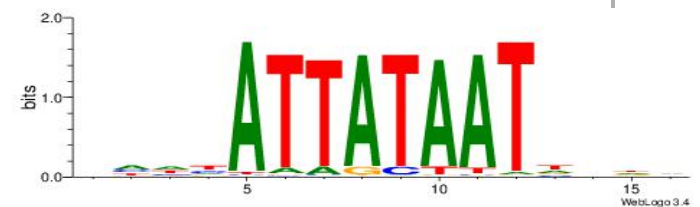
Original motif

Consensus sequence: BHDHATTATAATDDDV



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

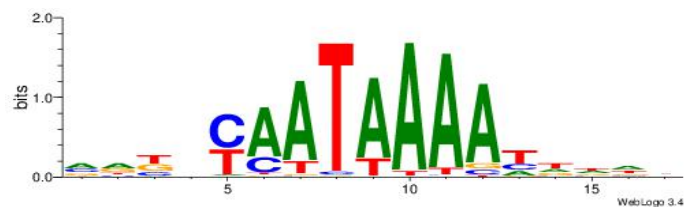
Alignment:

HDDDATTTTATTKVRDB
-AAAATKCTATT-----

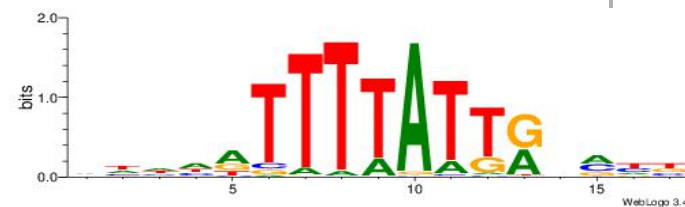
Original motif

Reverse complement motif

Consensus sequence: VDKVYAATAAAATDDDH



Consensus sequence: HDDDATTATTATTKVRDB



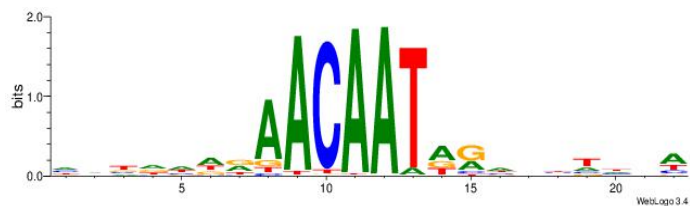
Motif ID: [UP00034](#)
Motif name: Sox7_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 11
Similarity score: 0.0403247

Alignment:

WBHHHHHMDATTGTTHDHDVHH
-AAAATKCTATT-----

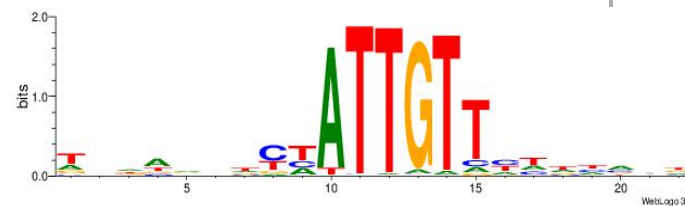
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



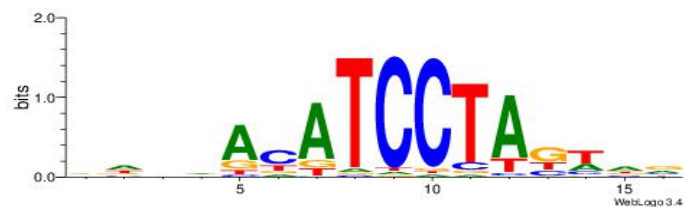
Motif ID: [UP00038](#)
 Motif name: Spdef_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0405096

Alignment:

DDBHACATCCTAKWDV
 ---AAAATKCTATT--

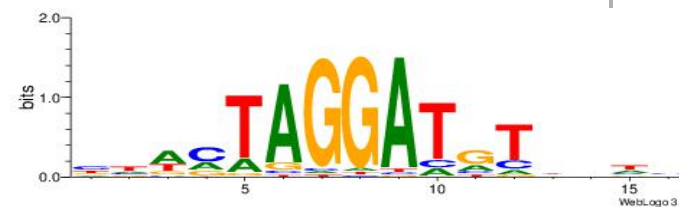
Original motif

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

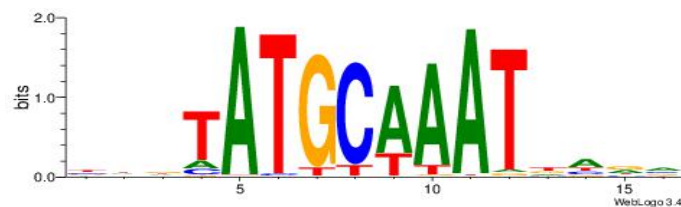
Number of overlap: 11
Similarity score: 0.0406764

Alignment:

BHHDATTTGCATAHHV
----AATAGYATTTT-

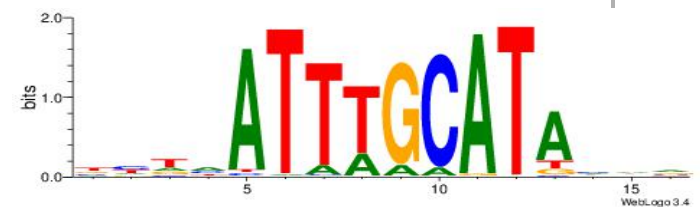
Original motif

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

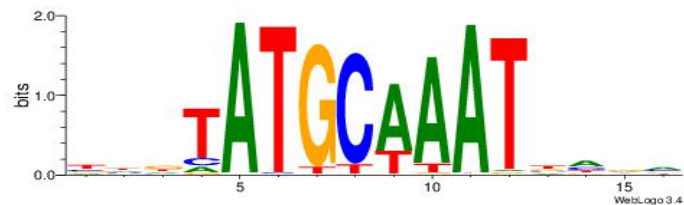
Alignment:

BHHVATTTGCATAHHV
----AATAGYATTTT-

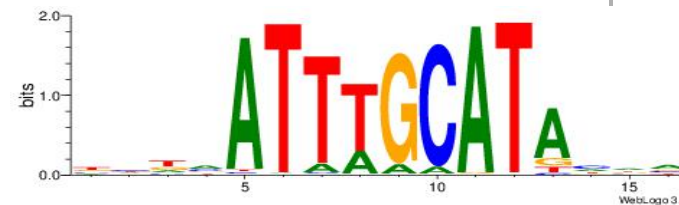
Original motif

Reverse complement motif

Consensus sequence: BHDTATGCAAATBHDV



Consensus sequence: BHHVATTTGCATAHHV



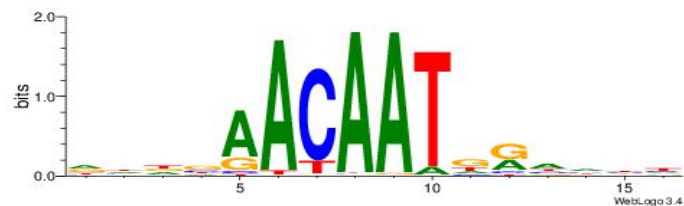
Motif ID: [UP00023](#)
Motif name: Sox30_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 6
Number of overlap: 11
Similarity score: 0.0413872

Alignment:

HHHHMHATTGTTBDHD
AATAGYATTTT-----

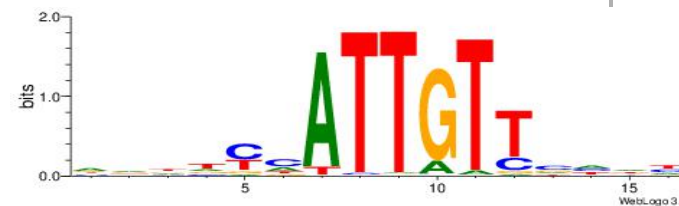
Original motif

Consensus sequence: DHDBAACAATDRHHHH



Reverse complement motif

Consensus sequence: HHHHMHATTGTTBDHD



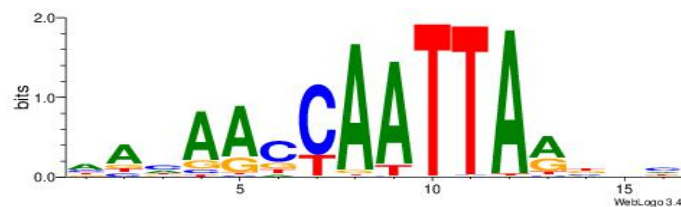
Motif ID: [UP00166](#)
 Motif name: Barhl1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0427435

Alignment:

HAHAAACCAATTARBDH
 AAAATKCTATT-----

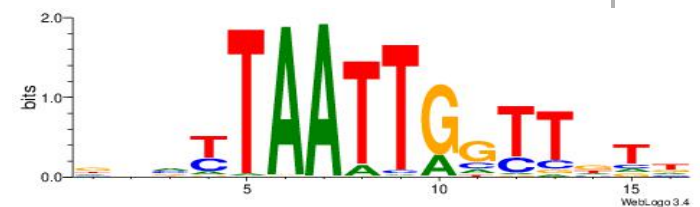
Original motif

Consensus sequence: HAHAAACCAATTARBDH



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)

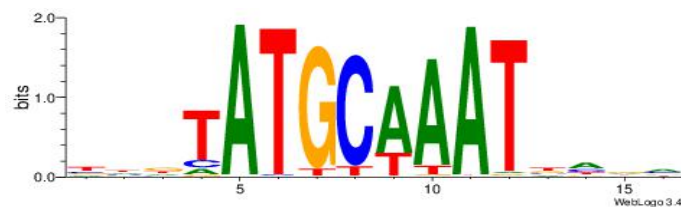
Motif ID: [UP00179](#)
 Motif name: Pou2f3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0170413

Alignment:

BHHVATTTGCATAHHV
 AAGSATTTTCA-----

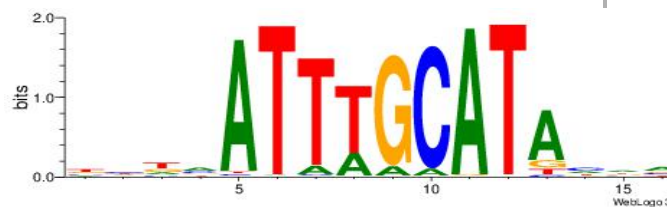
Original motif

Consensus sequence: BHDTATGCAAATBHDV



Reverse complement motif

Consensus sequence: BHHVATTTGCATAHHV



Motif ID: [UP00191](#)

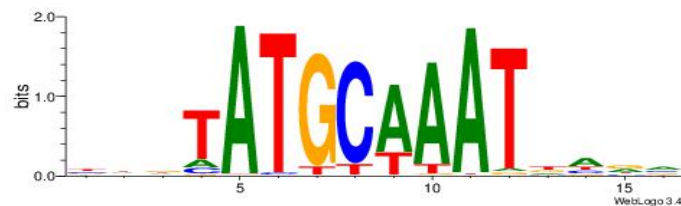
Motif name: Pou2f2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0186797

Alignment:

BHHDATTTGCATAHHV
 AAGSATTTTCA-----

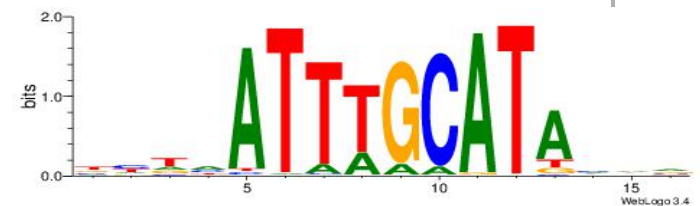
Original motif

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

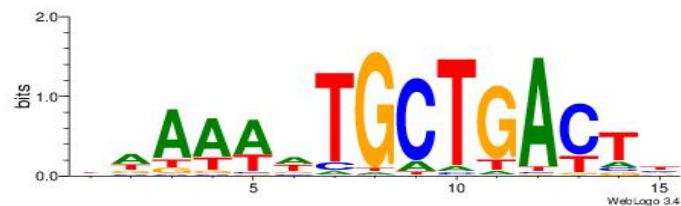
Alignment:

DWAAAWTGCTGACTH

TGAAAATSCTT----

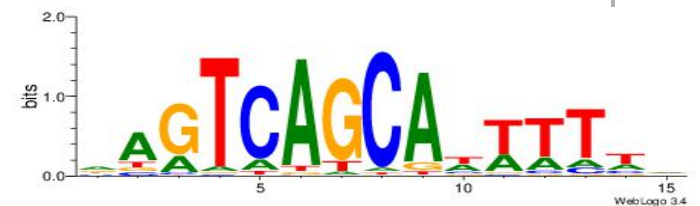
Original motif

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

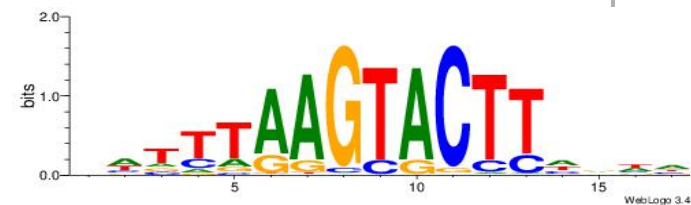
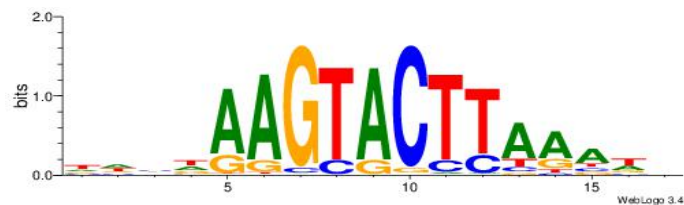
--TGAAAATSCTT----

Original motif

Consensus sequence: DDHDAAGTACTTAAADB

Reverse complement motif

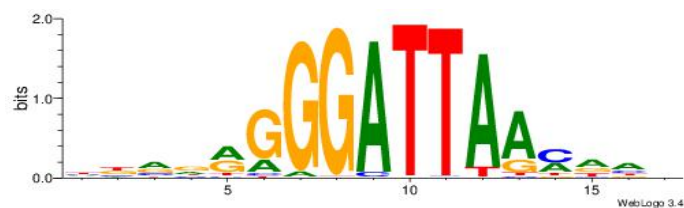
Consensus sequence: BDTTTAAGTACTTDDDD



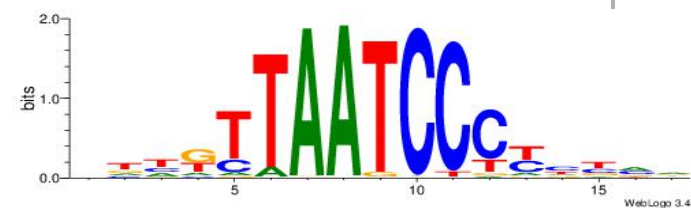
Motif ID: [UP00153](#)
 Motif name: Pitx1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.02834

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

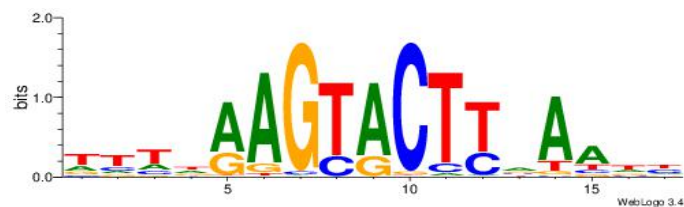
Number of overlap: 11
Similarity score: 0.0300831

Alignment:

HDTTBAAGTACTTDAAA
-----AAGSATTTTCA-

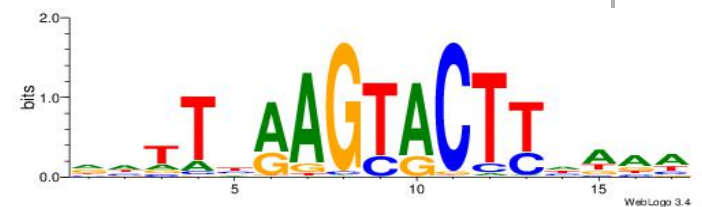
Original motif

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

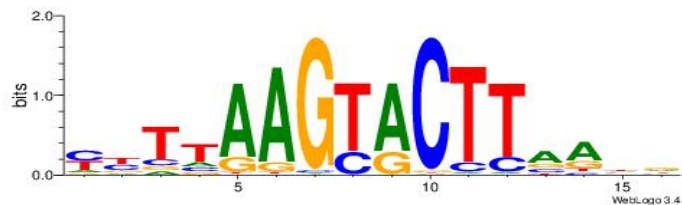
Alignment:

HHTTAAGTACTTAAMK
-----AAGSATTTTCA-

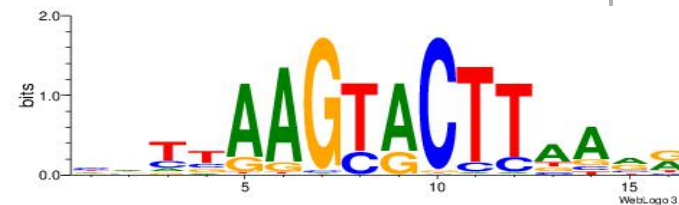
Original motif

Reverse complement motif

Consensus sequence: YYTTAAGTACTTAAHD



Consensus sequence: HHTTAAGTACTTAAMK



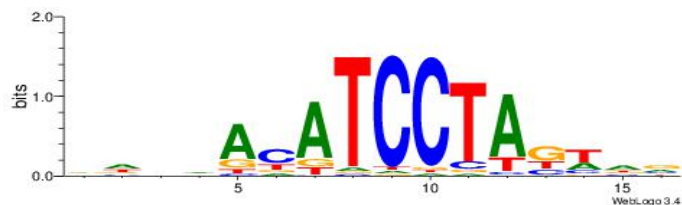
Motif ID: [UP00038](#)
Motif name: Spdef_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0318364

Alignment:

```
VDWYTAGGATGTHVDH  
-----AAGSATTTTCA-
```

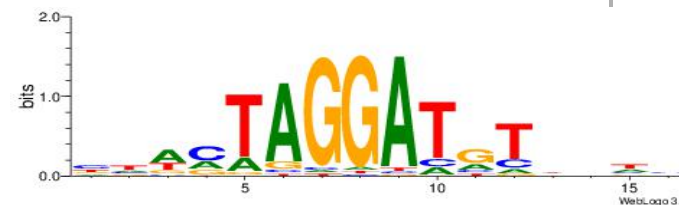
Original motif

Consensus sequence: DDBHACATCCTAKWDV



Reverse complement motif

Consensus sequence: VDWYTAGGATGTHVDH



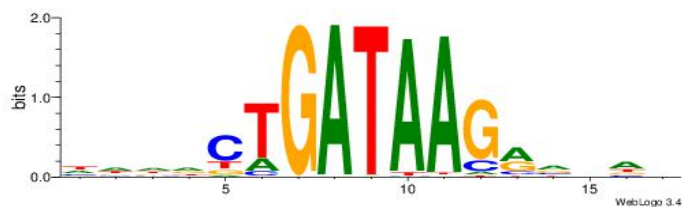
Motif ID: [UP00080](#)
 Motif name: Gata5_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0333422

Alignment:

DDHBKCTTATCAGDDDH
 -AAGSATTTTCA-----

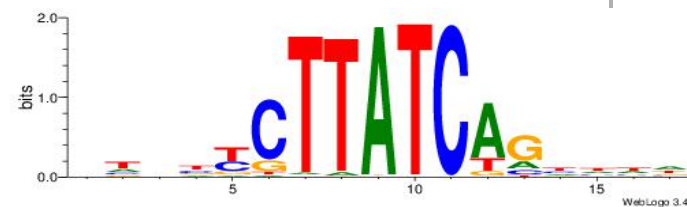
Original motif

Consensus sequence: HDDDCTGATAAGRVD



Reverse complement motif

Consensus sequence: DDHBKCTTATCAGDDDH



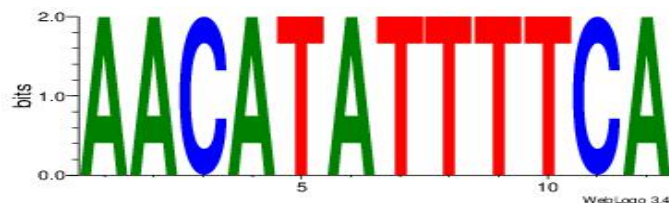
Dataset #: 1 **Motif ID: 9** **Motif name: Motif 9**

Original motif

Consensus sequence: AACATATTTTCA

Reverse complement motif

Consensus sequence: TGAAAATATGTT



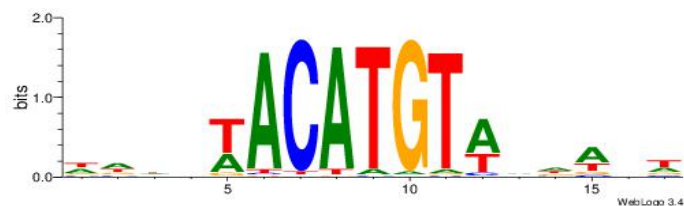
Best Matches for Motif ID 9 (Highest to Lowest)

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-----

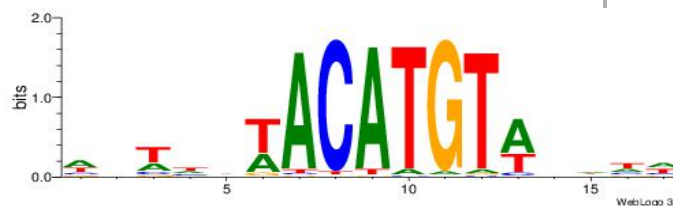
Original motif

Consensus sequence: DDDHWACATGTWHDABW



Reverse complement motif

Consensus sequence: WVT DHWACATGTWHD DD

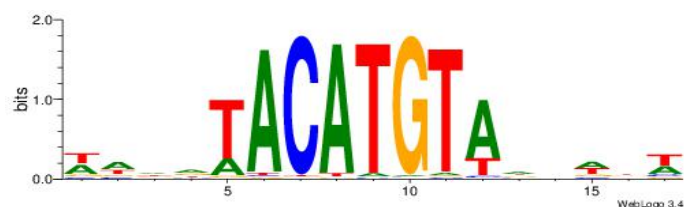


Motif ID: [UP00236](#)
 Motif name: Irx2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0267342

Alignment:
 WVWDDTACATGTADDDW
 TGAAAATATGTT-----

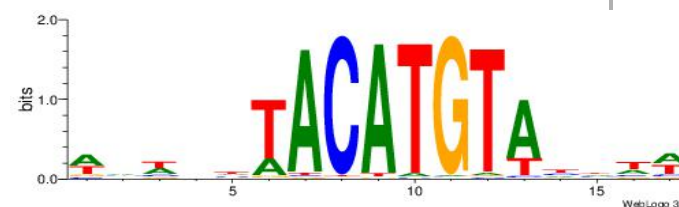
Original motif

Consensus sequence: WDDDTACATGTADDWBW



Reverse complement motif

Consensus sequence: WVWDDTACATGTADDDW



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

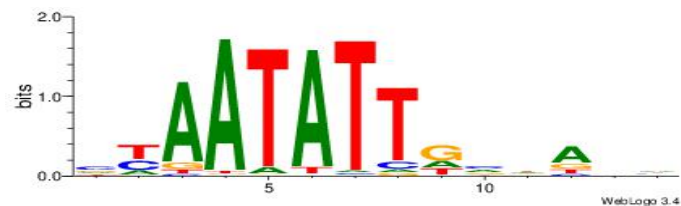
Alignment:

HDTDVCAATATTMV

--TGAAAATATGTT

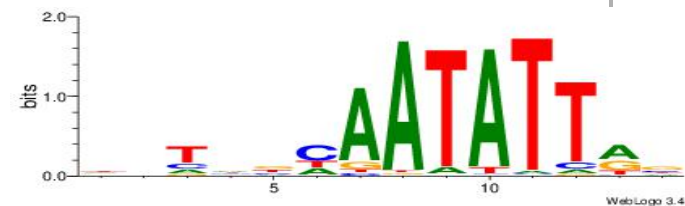
Original motif

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

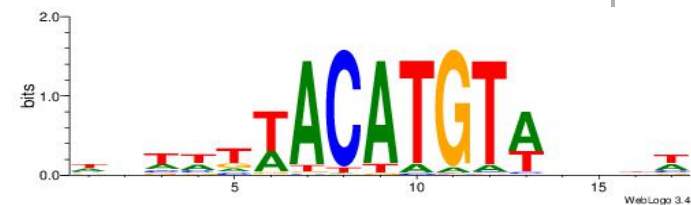
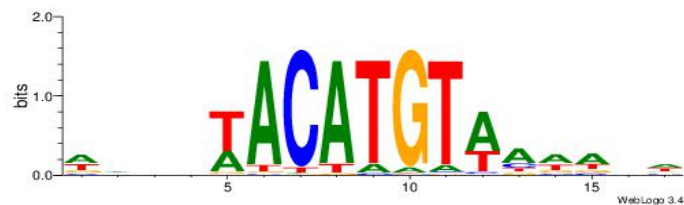
TGAAAATATGTT-----

Original motif

Consensus sequence: WDHDWACATGTWAWABD

Reverse complement motif

Consensus sequence: DBTWTWACATGTWDHDW



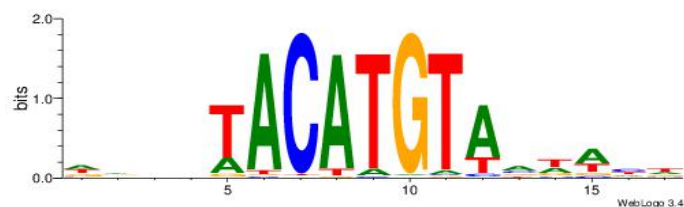
Motif ID: [UP00223](#)
 Motif name: Irx3_0920.1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.029857

Alignment:

DDDDTACATGTAVWWHD
 TGAAAATATGTT-----

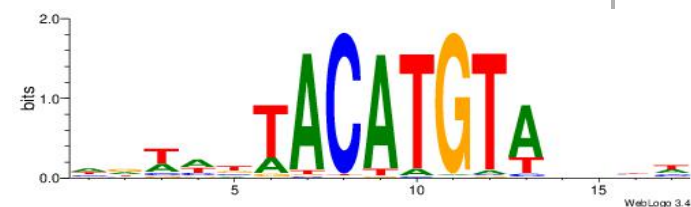
Original motif

Consensus sequence: DDDDTACATGTAVWWHD



Reverse complement motif

Consensus sequence: DDWWBTACATGTADDDD



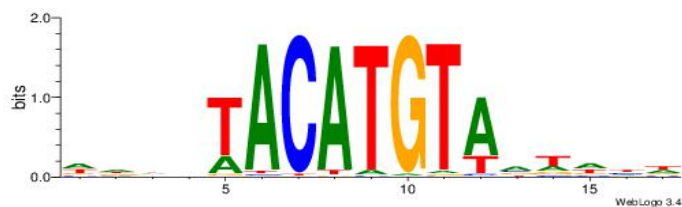
Motif ID: [UP00223](#)
 Motif name: Irx3_2226.1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 12
 Similarity score: 0.0299906

Alignment:

DDDHTACATGTAVWDHD
 TGAAAATATGTT-----

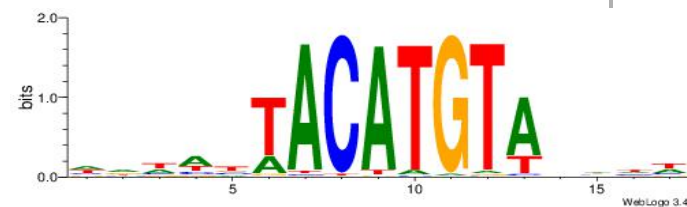
Original motif

Consensus sequence: DDDHTACATGTAVWDHD



Reverse complement motif

Consensus sequence: DHDWBTACATGTAHDDD



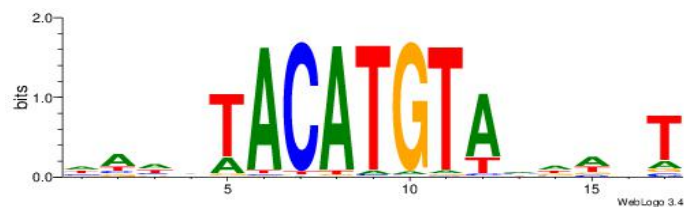
Motif ID: [UP00150](#)
 Motif name: Irx6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6

Number of overlap: 12
Similarity score: 0.0303256

Alignment:
HAHDTACATGTAVDWHT
TGAAAATATGTT-----

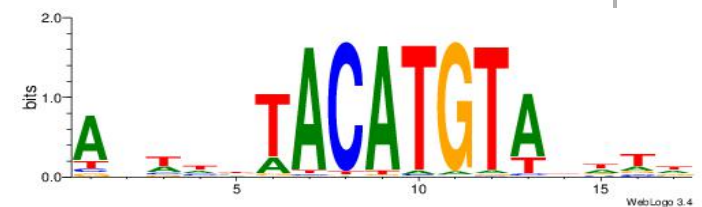
Original motif

Consensus sequence: HAHDTACATGTAVDWHT



Reverse complement motif

Consensus sequence: AHWDBTACATGTADHTH



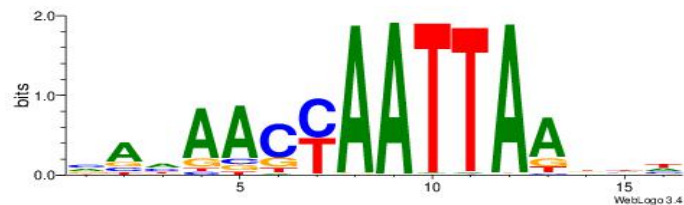
Motif ID: [UP00171](#)
Motif name: Msx3
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 12
Similarity score: 0.0315999

Alignment:
HHVTTAATTKGTTHTV
-TGAAAATATGTT---

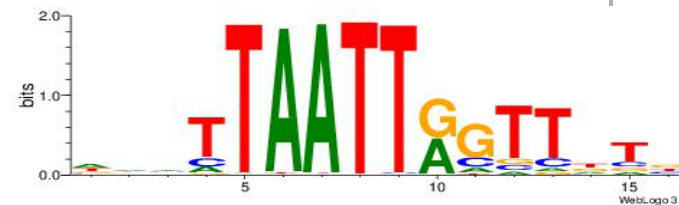
Original motif

Reverse complement motif

Consensus sequence: VAHAACYAATTAABHH



Consensus sequence: HHVTTAATTGTTHTV



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

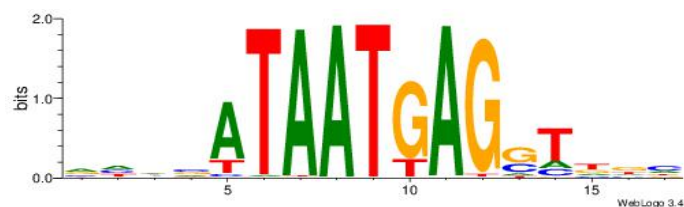
Alignment:

DHDASCTCATTATVHHB

---AACATATTTTCA---

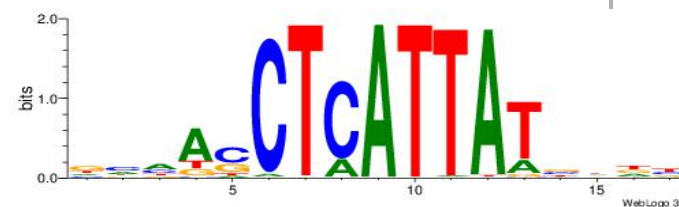
Original motif

Consensus sequence: VHHVATAATGAGSTDDH



Reverse complement motif

Consensus sequence: DHDASCTCATTATVHHB



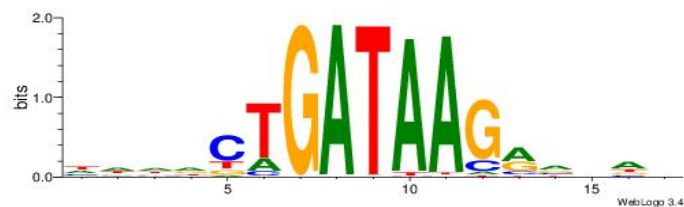
Motif ID: [UP00080](#)
 Motif name: Gata5_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0334048

Alignment:

DDHBKCTTATCAGDDDH
 AACATATTTTCA-----

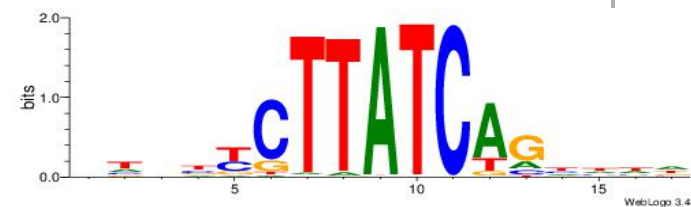
Original motif

Consensus sequence: HDDDCTGATAAGRVD



Reverse complement motif

Consensus sequence: DDHBKCTTATCAGDDDH



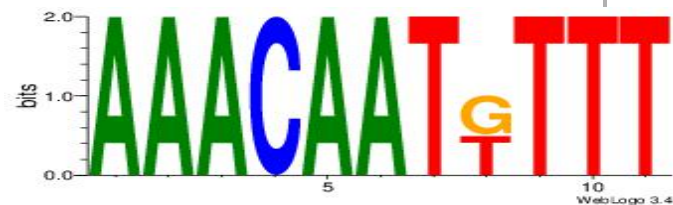
Dataset #: 1 Motif ID: 10 Motif name: Motif 10

Original motif

Consensus sequence: AAAMATTGTTT

Reverse complement motif

Consensus sequence: AAACAATYTTT



Best Matches for Motif ID 10 (Highest to Lowest)

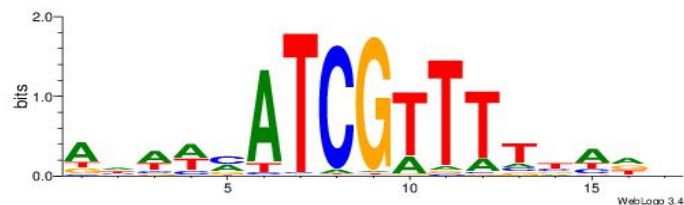
Motif ID: [UP00114](#)
 Motif name: Homez
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0148981

Alignment:

AHWWMATCGTTTTBADD
 -AAAMATTGTTT-----

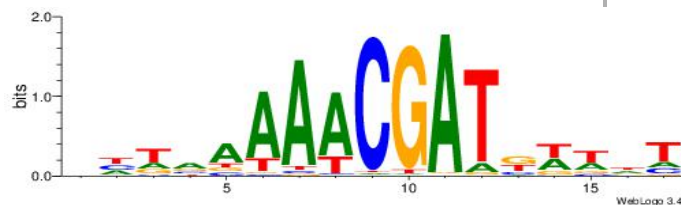
Original motif

Consensus sequence: AHWWMATCGTTTTBADD



Reverse complement motif

Consensus sequence: HDTVAAAACGATRWWHT



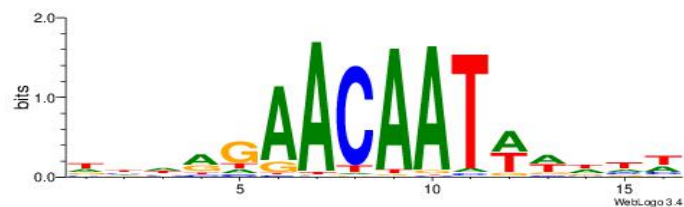
Motif ID: [UP00096](#)
 Motif name: Sox13_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0154717

Alignment:

WHDWWATTGTTCKDHD
 -AAAMATTGTTT-----

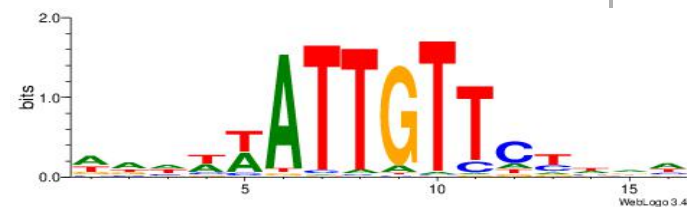
Original motif

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

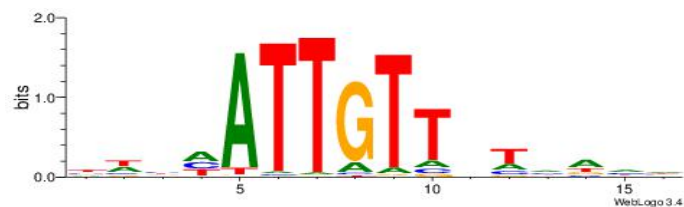
Number of overlap: 11
Similarity score: 0.0200897

Alignment:

HHDHABAACAATHBWV
-----AAACAATYTTT

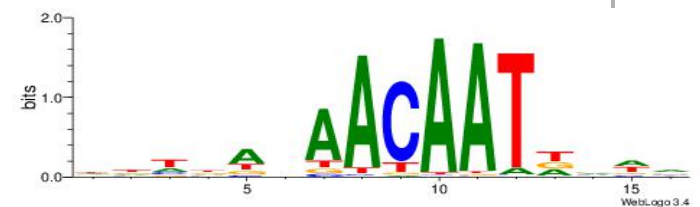
Original motif

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: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.020377

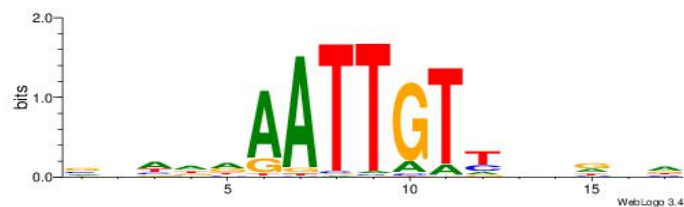
Alignment:

DDHVDAACAATTDDHVV
-----AAACAATYTTT--

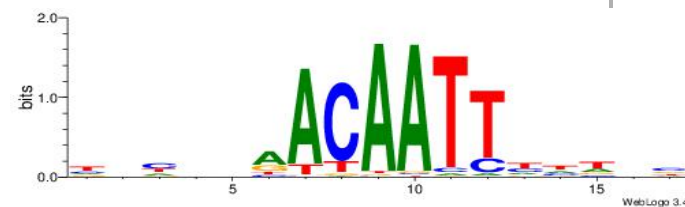
Original motif

Reverse complement motif

Consensus sequence: VVHDDAATTGTTDVDDD



Consensus sequence: DDHVDAACAATTDDHVV



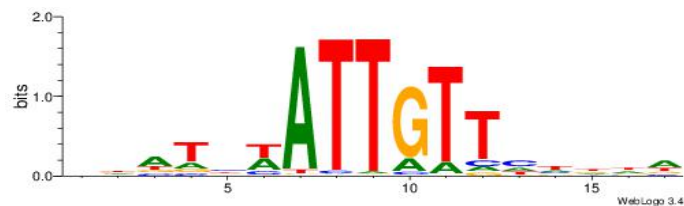
Motif ID: [UP00051](#)
Motif name: Sox8_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.0208116

Alignment:

DDDHDAACAATWBATDD
----AAACAATYTTT--

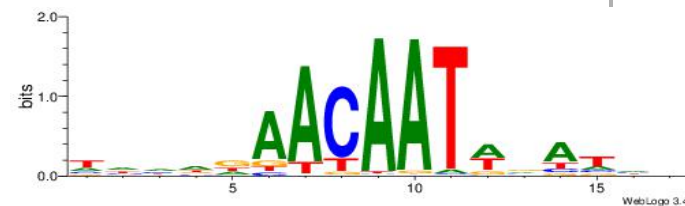
Original motif

Consensus sequence: DDATBWATTGTTHHDDD



Reverse complement motif

Consensus sequence: DDDHDAACAATWBATDD



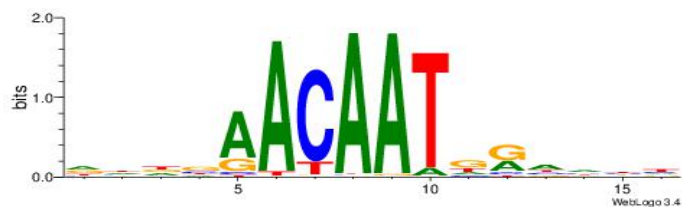
Motif ID: [UP00023](#)
 Motif name: Sox30_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0235407

Alignment:

HHHMHATTGTTBDHD
 --AAAMATTGTTT---

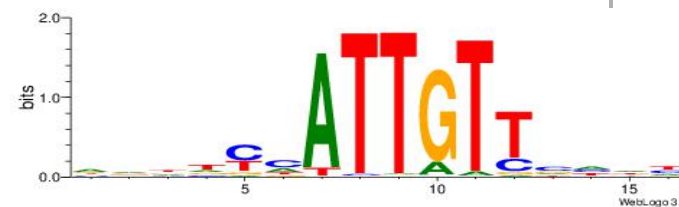
Original motif

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

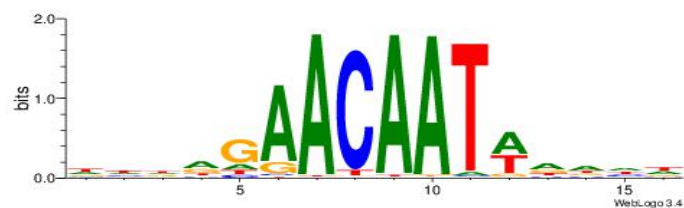
Number of overlap: 11
Similarity score: 0.0236834

Alignment:

DHDDGAACAATWDDHD
----AAACAATYTTT--

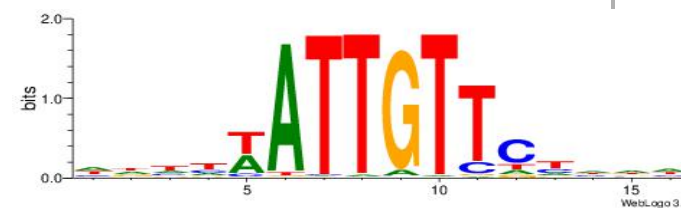
Original motif

Consensus sequence: DHDDGAACAATWDDHD



Reverse complement motif

Consensus sequence: DHDDWATTGTTTCDDHD



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

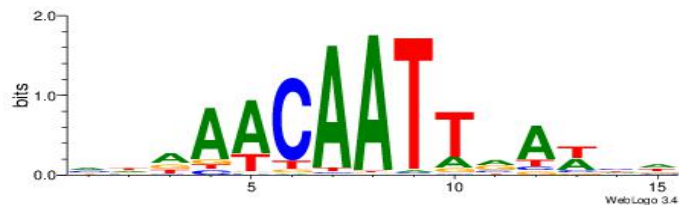
Alignment:

VDDAACAATTVAWHD
--AAACAATYTTT--

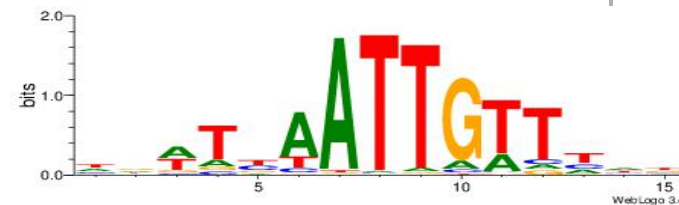
Original motif

Reverse complement motif

Consensus sequence: VDDAACAATTVAWHD



Consensus sequence: DDWTBAATTGTTDDB



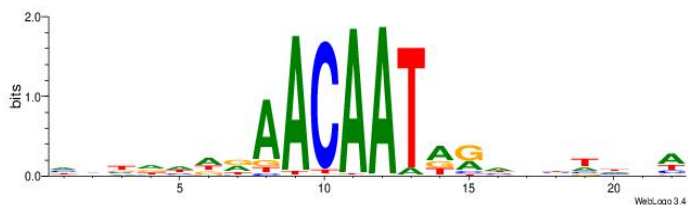
Motif ID: [UP00034](#)
Motif name: Sox7_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 11
Similarity score: 0.0264034

Alignment:

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

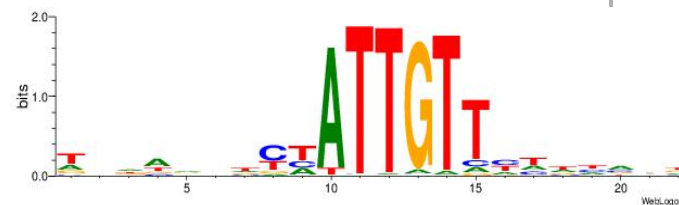
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTDHDVHH



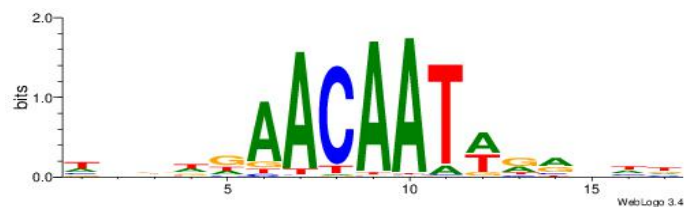
Motif ID: [UP00075](#)
 Motif name: Sox15_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0265966

Alignment:

DHVKMWATTGTTHDHDH
 --AAAMATTGTTT----

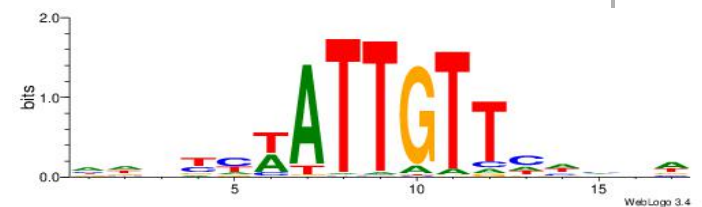
Original motif

Consensus sequence: HDDDDAACAATWRRBHD



Reverse complement motif

Consensus sequence: DHVKMWATTGTTHDHDH



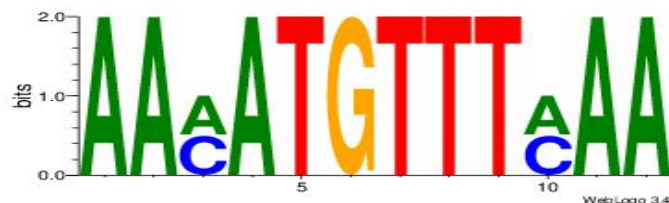
Dataset #: 1 Motif ID: 11 Motif name: Motif 11

Original motif

Consensus sequence: AAMATGTTTMAA

Reverse complement motif

Consensus sequence: TTYAACATYTT



Best Matches for Motif ID 11 (Highest to Lowest)

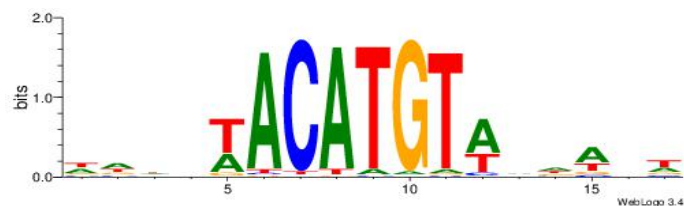
Motif ID: [UP00250](#)
 Motif name: Irx5
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 12
 Similarity score: 0.00569393

Alignment:

WVTDHWACATGTWHDDD
 -----AAMATGTTTMAA

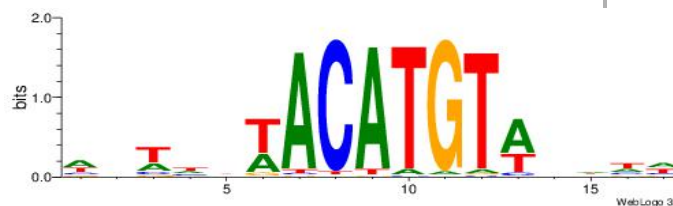
Original motif

Consensus sequence: DDDHWACATGTWHDABW



Reverse complement motif

Consensus sequence: WVTDHWACATGTWHDDD

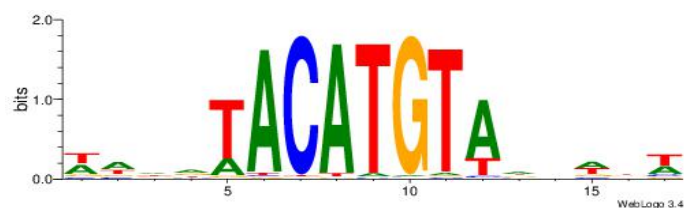


Motif ID: [UP00236](#)
 Motif name: Irx2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.00753568

Alignment:
 WDDDTACATGTADDWBW
 -----AAMATGTTTMAA

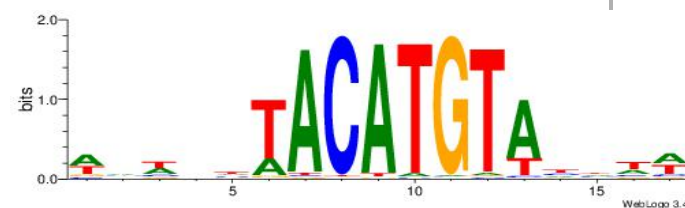
Original motif

Consensus sequence: WDDDTACATGTADDWBW



Reverse complement motif

Consensus sequence: WVDWDTACATGTADDDW



Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12

Similarity score: 0.00927938

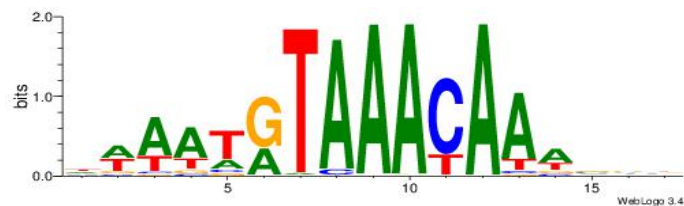
Alignment:

VVVWTTGTTTAMATTWD

-AAMATGTTTMAA-----

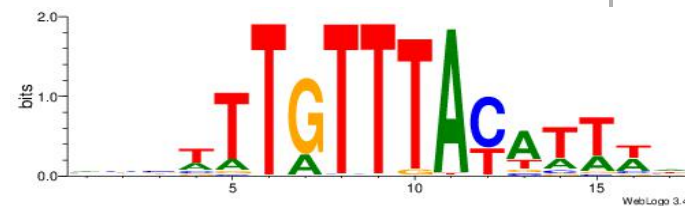
Original motif

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: Forward
Position number: 5
Number of overlap: 12
Similarity score: 0.0104366

Alignment:

HAHDTACATGTAVDWHT

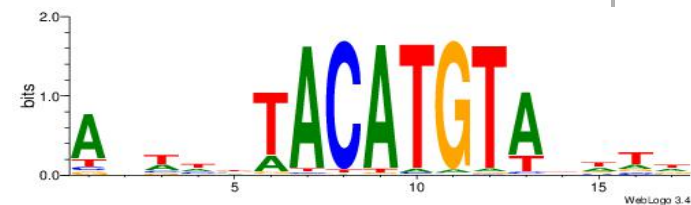
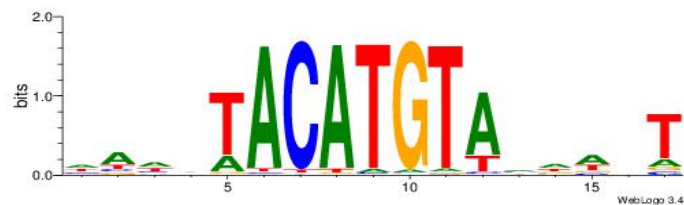
-----AAMATGTTTMAA-

Original motif

Consensus sequence: HAHDTACATGTAVDWHT

Reverse complement motif

Consensus sequence: AHWDBTACATGTADHTH



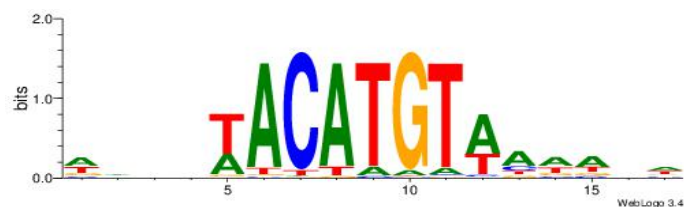
Motif ID: [UP00194](#)
 Motif name: Irx4
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0110074

Alignment:

WDHDWACATGTWAWABD
 ----AAMATGTTTMAA-

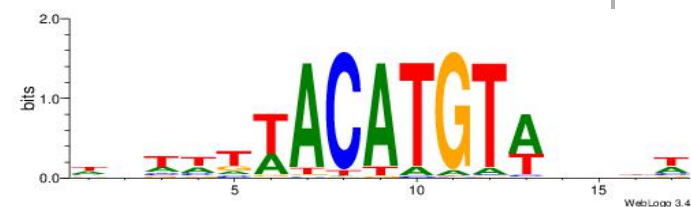
Original motif

Consensus sequence: WDHDWACATGTWAWABD



Reverse complement motif

Consensus sequence: DBTWTWACATGTWDHDW



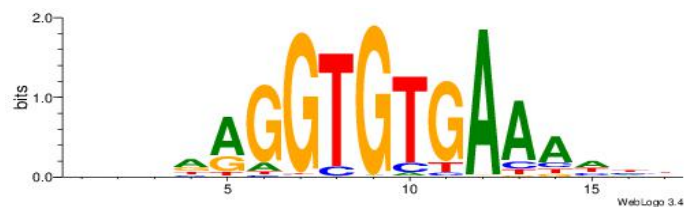
Motif ID: [UP00068](#)
 Motif name: Eomes_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0113539

Alignment:

HHHTTTCACACCTDHBV
 ----TTYAAACATYTT-

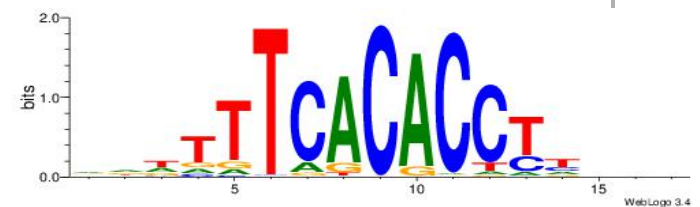
Original motif

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

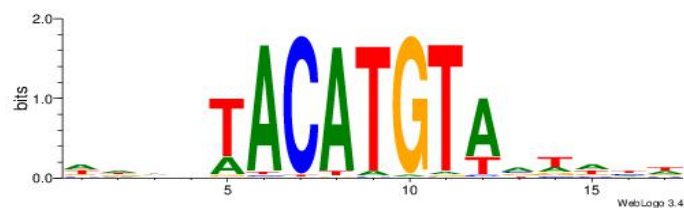
Number of overlap: 12
Similarity score: 0.0118824

Alignment:

DHDWBTACATGTAHDDD
-----AAMATGTTTMAA

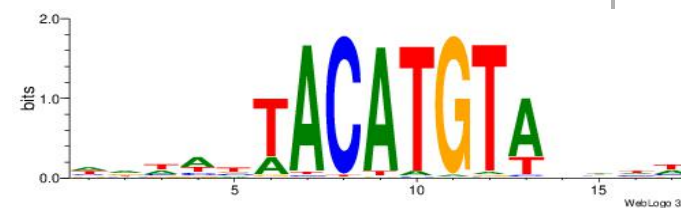
Original motif

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:

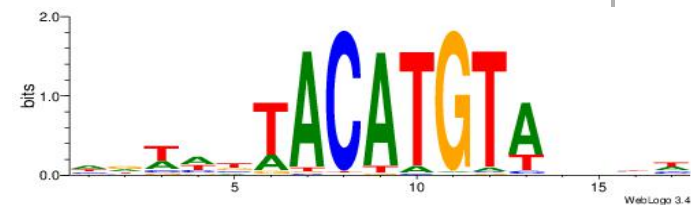
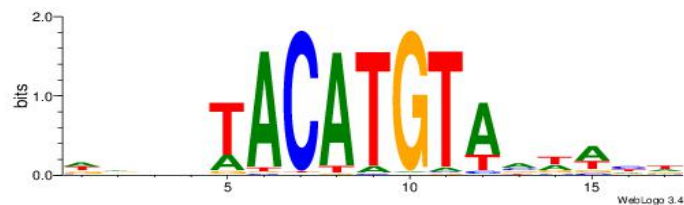
DDDDTACATGTAVWWHD
-----AAMATGTTTMAA

Original motif

Consensus sequence: DDDDTACATGTAVWWHD

Reverse complement motif

Consensus sequence: DDWWBTACATGTADDDD

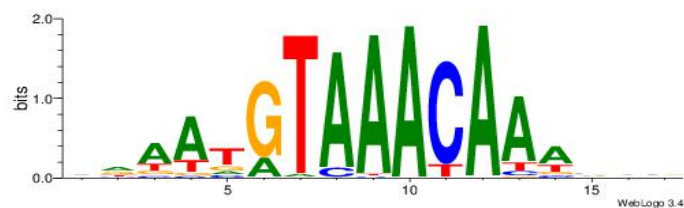


Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0142458

Alignment:
 BBVTTTGTTTACATTDD
 -AAMATGTTTMAA-----

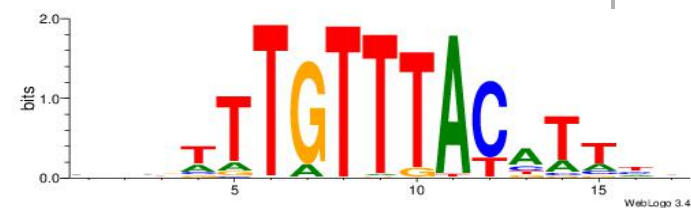
Original motif

Consensus sequence: DDAATGTAAACAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD



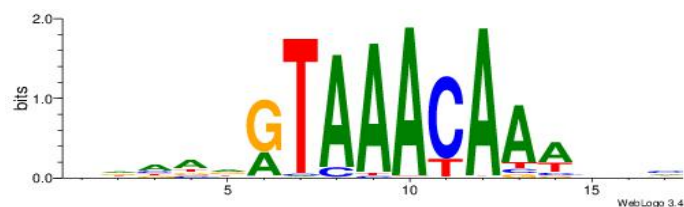
Motif ID: [UP00039](#)

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-----

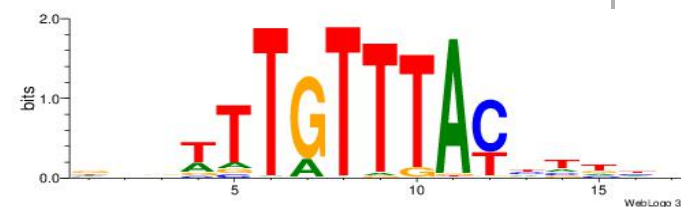
Original motif

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



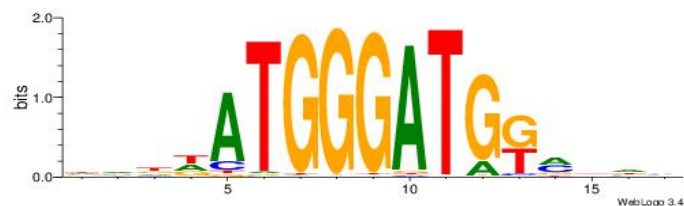
Best Matches for Motif ID 12 (Highest to Lowest)

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: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0181

Alignment:
 DVDDATGGGATGKMDDV
 --AAATGTTGTTGT----

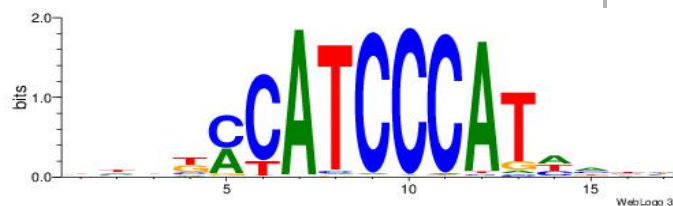
Original motif

Consensus sequence: DVDDATGGGATGKMDDV



Reverse complement motif

Consensus sequence: BDDYYCATCCCATDDBD



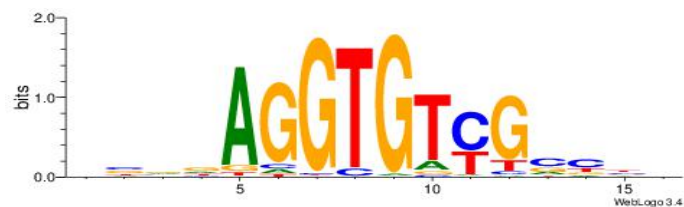
Motif ID: [UP00068](#)
 Motif name: Eomes_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0202807

Alignment:

VBVDAGGTGTYGVBBV
 --AAATGTGTTGT---

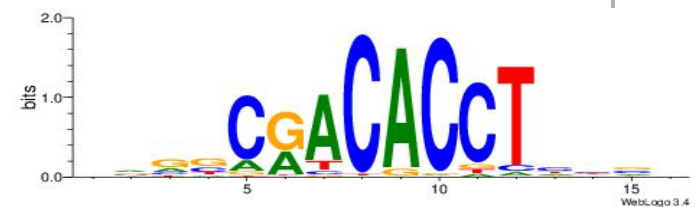
Original motif

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

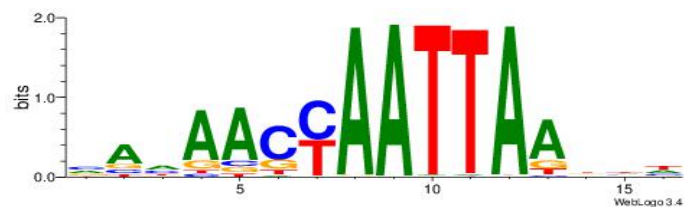
Number of overlap: 11
Similarity score: 0.0211208

Alignment:

HHVTTAATTKGTTHTV
----AAATGTGTTGT--

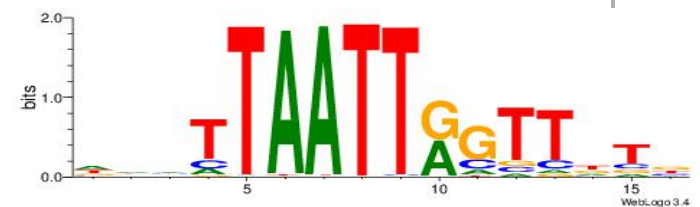
Original motif

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: Backward
Position number: 5
Number of overlap: 11
Similarity score: 0.0216511

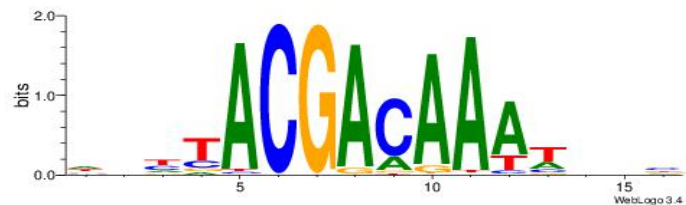
Alignment:

BHDWTTTGTCTAHDD
-AAATGTGTTGT----

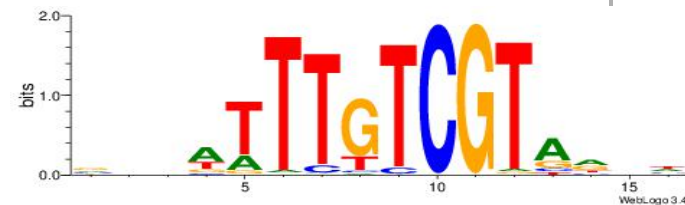
Original motif

Reverse complement motif

Consensus sequence: DDHTACGACAAWDDDB



Consensus sequence: BHDWTTTGTCTGTAHDD



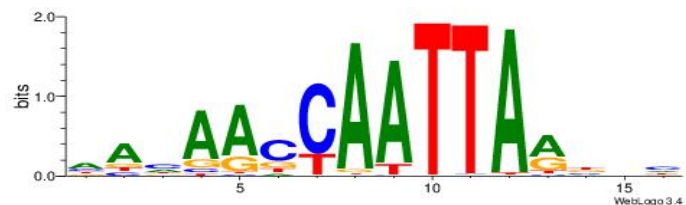
Motif ID: [UP00166](#)
Motif name: Barhl1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0230664

Alignment:

DDVKTAATTGGTTDTH
-----AAATGTGTTGT-

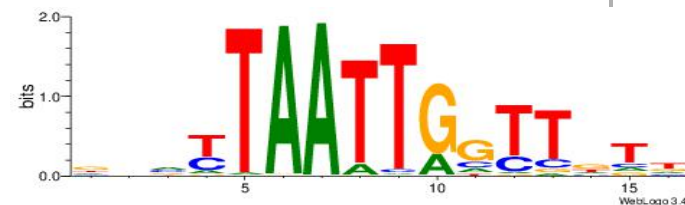
Original motif

Consensus sequence: HAHAAACCAATTARBDH



Reverse complement motif

Consensus sequence: DDVKTAATTGGTTDTH



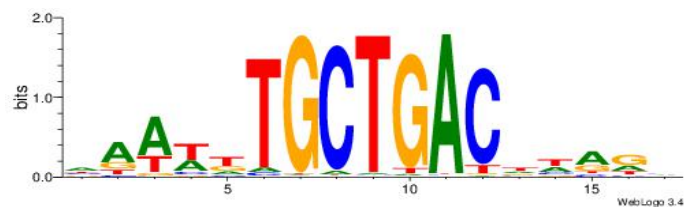
Motif ID: [UP00045](#)
 Motif name: Mafb_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0231414

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: Backward
 Position number: 10

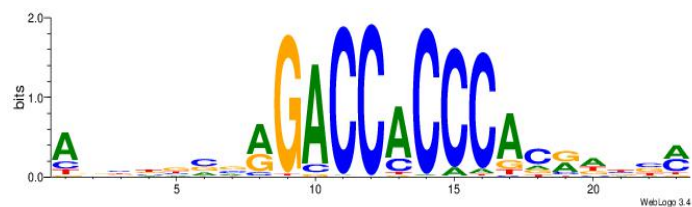
Number of overlap: 11
Similarity score: 0.0270722

Alignment:

YBVDMSGTGGGTGGTCKVVBVBBT
---AAATGTGTTGT-----

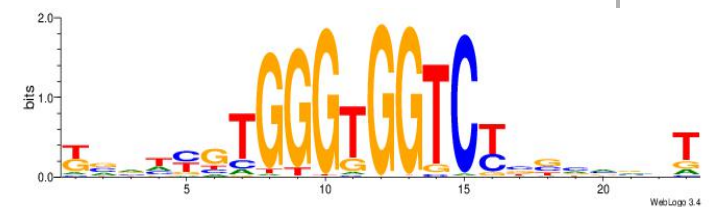
Original motif

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

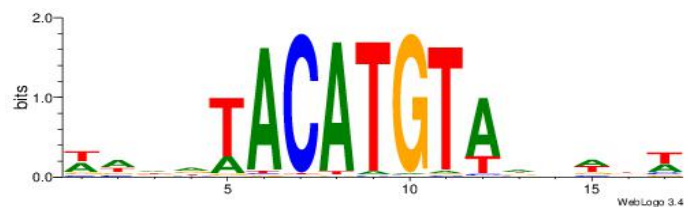
Alignment:

WVWDDTACATGTADDDW
-----AAATGTGTTGT

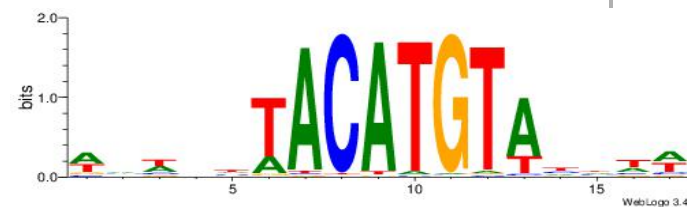
Original motif

Reverse complement motif

Consensus sequence: WDDDTACATGTADDWBW



Consensus sequence: WVWDDTACATGTADDDW



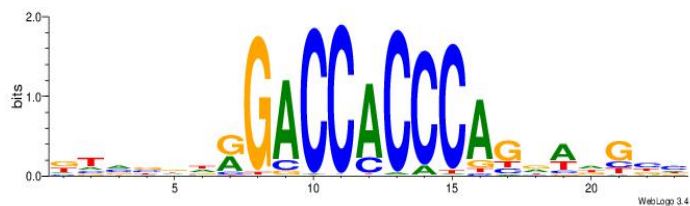
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 9
Number of overlap: 11
Similarity score: 0.0274347

Alignment:

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

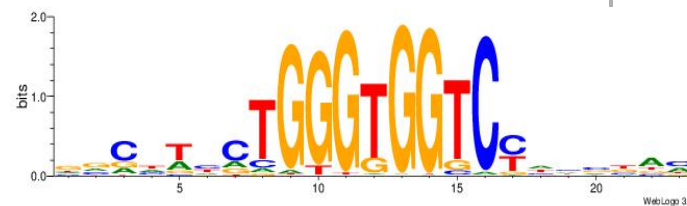
Original motif

Consensus sequence: DTVBD DRGACCACCCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



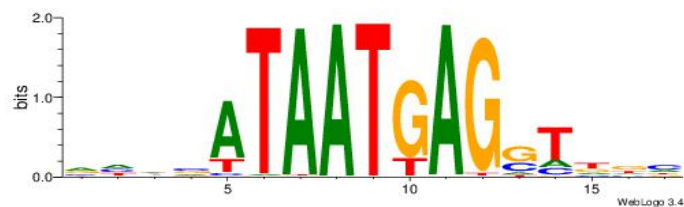
Motif ID: [UP00146](#)
 Motif name: Pou6f1_3733.1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0275808

Alignment:

VHHVATAATGAGSTDDH
 -----AAATGTGTTGT-

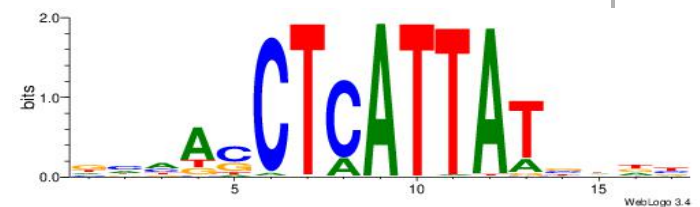
Original motif

Consensus sequence: VHHVATAATGAGSTDDH



Reverse complement motif

Consensus sequence: DHDASCTCATTATVHHB



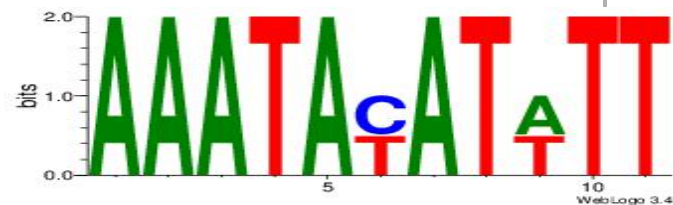
Dataset #: 1 Motif ID: 13 Motif name: Motif 13

Original motif

Consensus sequence: AAWATRTATTT

Reverse complement motif

Consensus sequence: AAATAKATWTT



Best Matches for Motif ID 13 (Highest to Lowest)

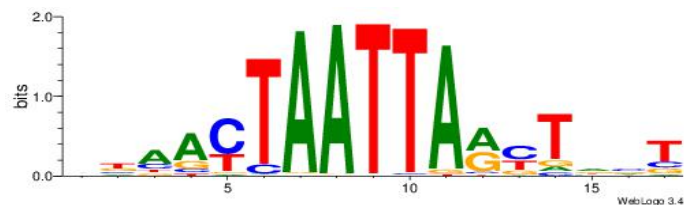
Motif ID: [UP00266](#)
 Motif name: Prrx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0142423

Alignment:

AVDAKKTAATTAGTTVV
 AAWATRTATTT-----

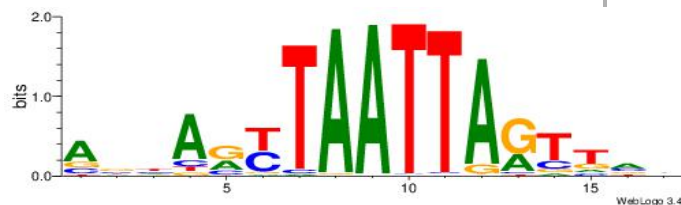
Original motif

Consensus sequence: VBAACTAATTARYTDVT



Reverse complement motif

Consensus sequence: AVDAKKTAATTAGTTVV



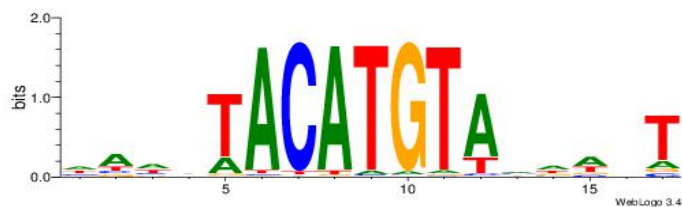
Motif ID: [UP00150](#)
 Motif name: Irx6
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.020069

Alignment:

AHWDBTACATGTADHHTH
 -----AAWATRTATTT-

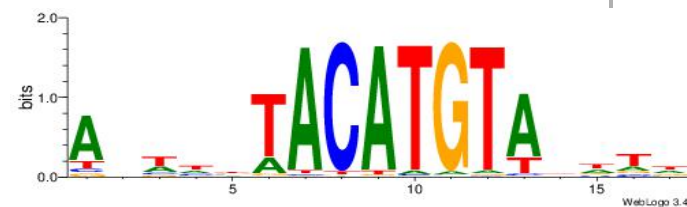
Original motif

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

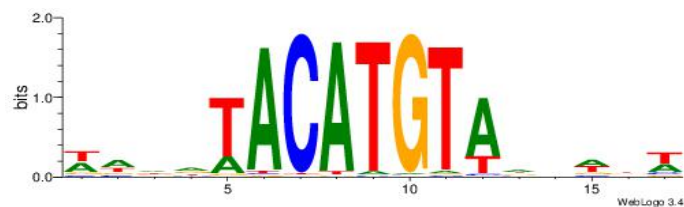
Number of overlap: 11
Similarity score: 0.0214423

Alignment:

WVWDDTACATGTADDDW
-----AAWATRTATTT-

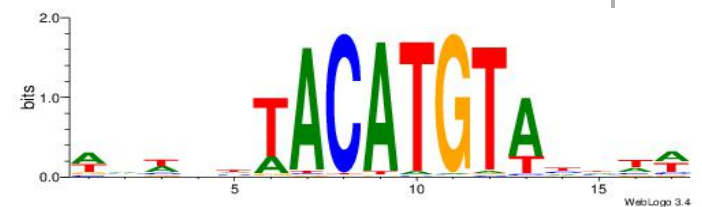
Original motif

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

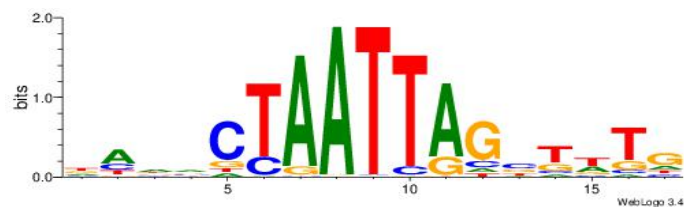
Alignment:

DADVCTAATTAGBTWTG
-----AAATAKATWTT

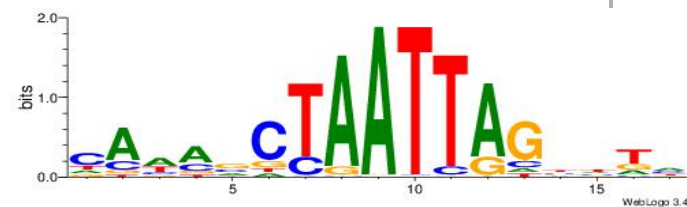
Original motif

Reverse complement motif

Consensus sequence: DADVCTAATTAGBTWTG



Consensus sequence: CAWABCTAATTAGBDTD



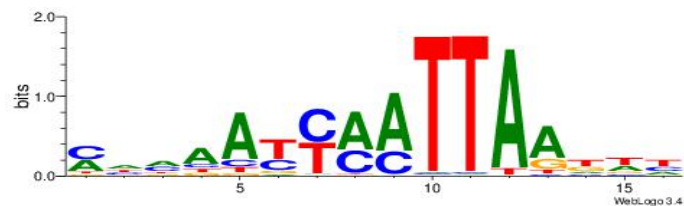
Motif ID: [UP00170](#)
Motif name: Isl2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 11
Similarity score: 0.0233945

Alignment:

HWDTTAATYKMTTHHR
-----AAATAKATWTT-

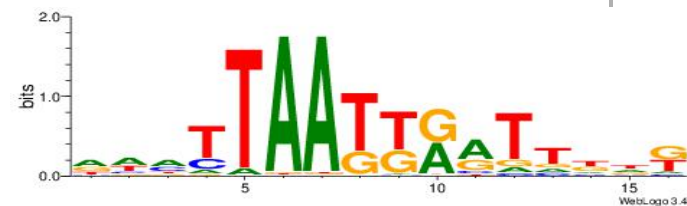
Original motif

Consensus sequence: MHHAAYYMATTAADWH



Reverse complement motif

Consensus sequence: HWDTTAATYKMTTHHR



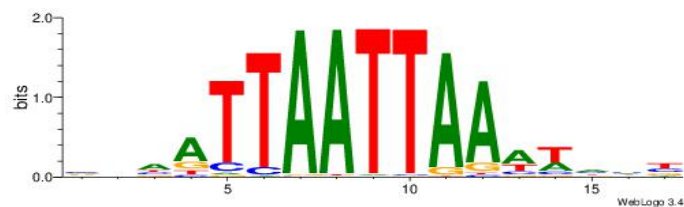
Motif ID: [UP00212](#)
 Motif name: Lhx5
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0236276

Alignment:

VDHWTTTAATTAATHHV
 AAWATRTATTT-----

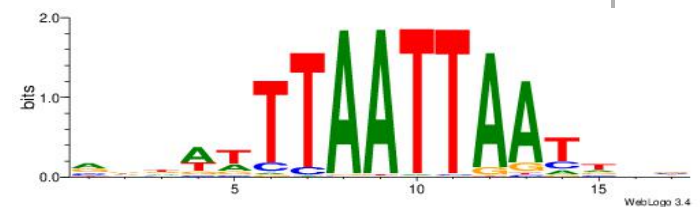
Original motif

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: Forward
 Position number: 1
 Number of overlap: 11

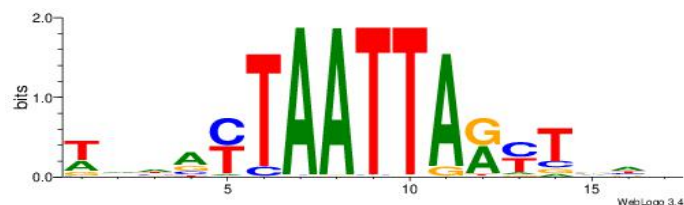
Similarity score: 0.0243258

Alignment:

WVHAYTAATTARYTVHV
AAWATRTATTT-----

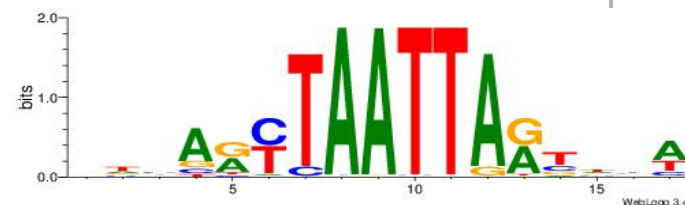
Original motif

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:

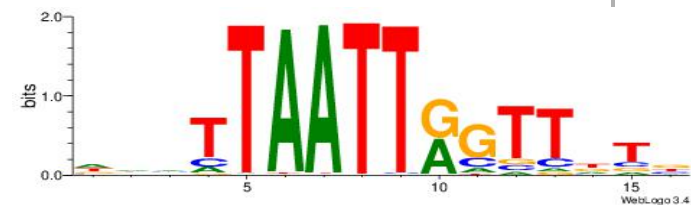
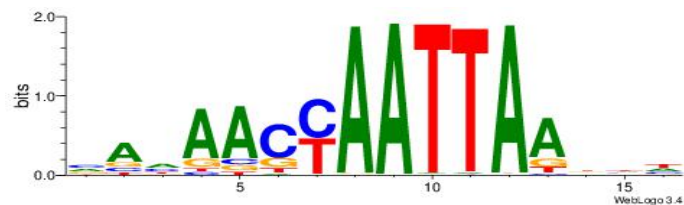
HHVTTAATTKGTTHTV
----AAATAKATWTT-

Original motif

Consensus sequence: VAHAACYAATTAABHH

Reverse complement motif

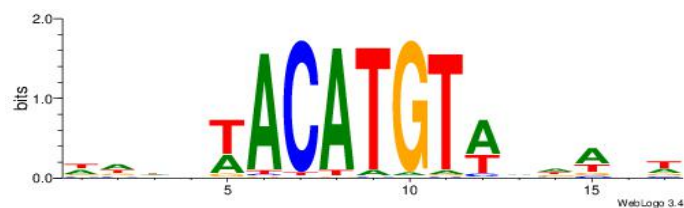
Consensus sequence: HHVTTAATTKGTTHTV



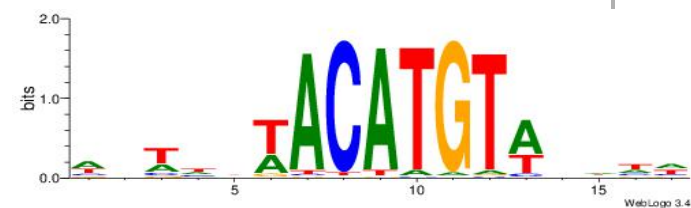
Motif ID: [UP00250](#)
 Motif name: Irx5
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0259267

Alignment:
 WVTDHWACATGTWHDDD
 -----AAWATRTATTT-

Original motif
 Consensus sequence: DDDHWACATGTWHDABW



Reverse complement motif
 Consensus sequence: WVTDHWACATGTWHDDD



Motif ID: [UP00223](#)

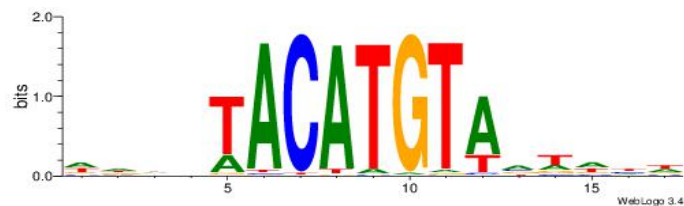
Motif name: Irx3_2226.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0263428

Alignment:

DDDHTACATGTAVWDHD
 ----AAWATRTATTT--

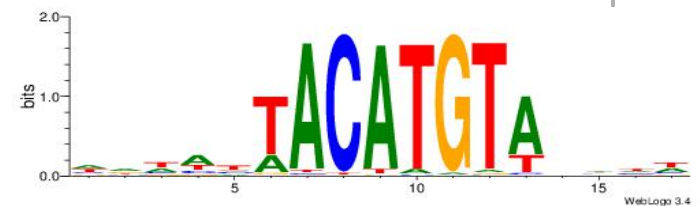
Original motif

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



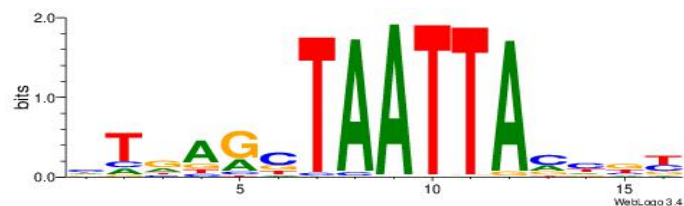
Best Matches for Motif ID 14 (Highest to Lowest)

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-

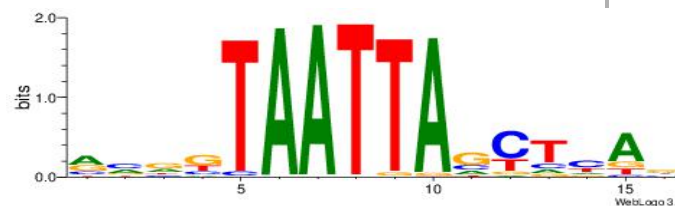
Original motif

Consensus sequence: HTDAGCTAATTAMHBY



Reverse complement motif

Consensus sequence: MBDRTAATTAGCTHAD

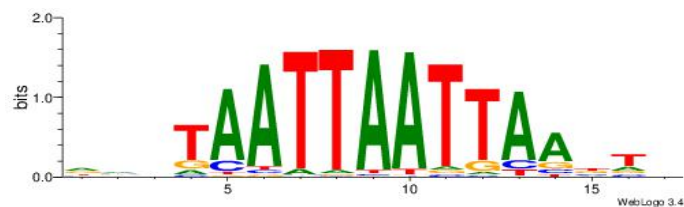


Motif ID: [UP00129](#)
Motif name: Pou3f1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 11
Similarity score: 0.02767

Alignment:
DVBTAATTAATTAABTH
---TAATKATATAA---

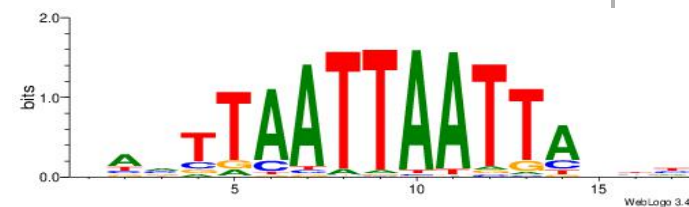
Original motif

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: Forward
Position number: 6

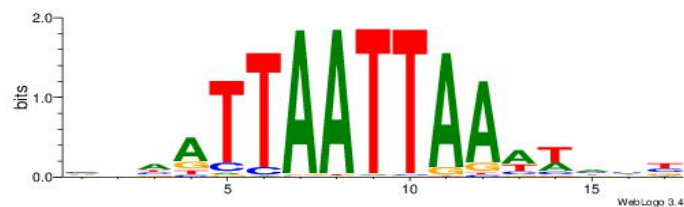
Number of overlap: 11
Similarity score: 0.0295456

Alignment:

VDHATTAATTAAWHHB
-----TAATKATATAA-

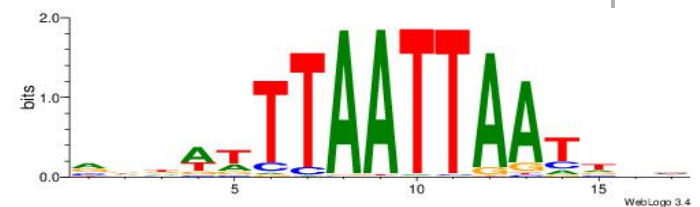
Original motif

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: Forward
Position number: 6
Number of overlap: 11
Similarity score: 0.0295647

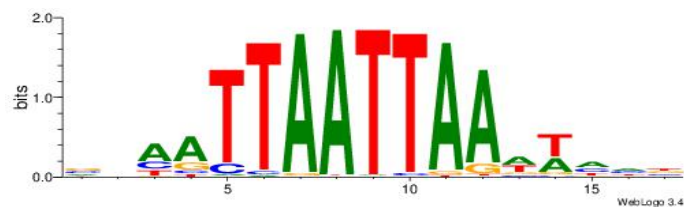
Alignment:

VDAATTAATTAAWHHB
-----TAATKATATAA-

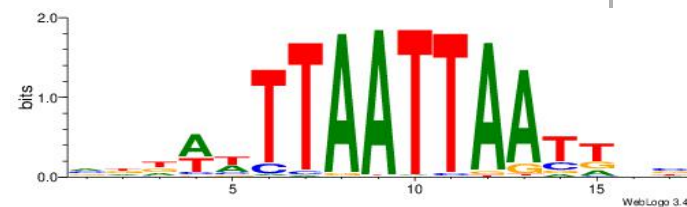
Original motif

Reverse complement motif

Consensus sequence: VDAATTAATTAAWWHHB



Consensus sequence: VHHWWTTAATTAATTDV



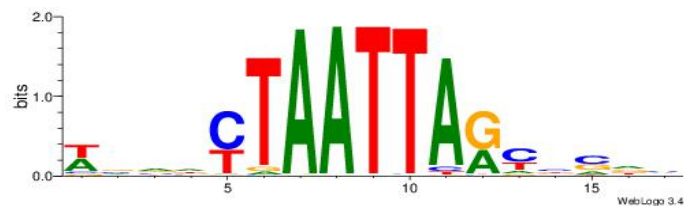
Motif ID: [UP00247](#)
Motif name: Pax4
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0309932

Alignment:

DDSBKMTAATTAKDBVW
-----TAATKATATAA

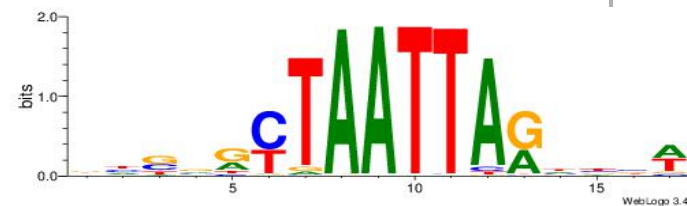
Original motif

Consensus sequence: WVVDYTAATTARYBSDH



Reverse complement motif

Consensus sequence: DDSBKMTAATTAKDBVW



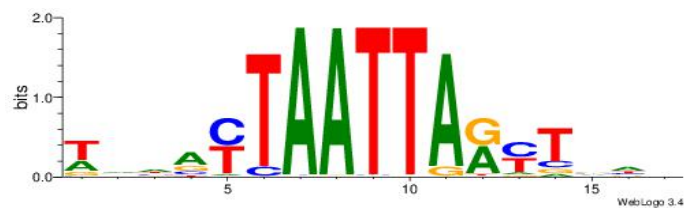
Motif ID: [UP00108](#)
 Motif name: Alx3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0319078

Alignment:

VHVAKMTAATTAKTHBW
 -----TAATKATATAA

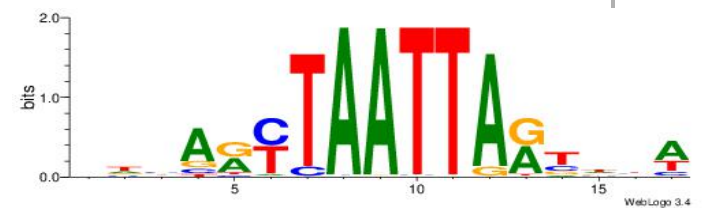
Original motif

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

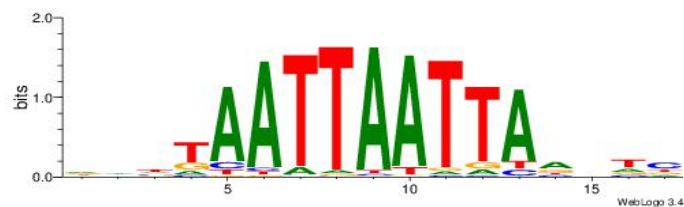
Number of overlap: 11
Similarity score: 0.0323543

Alignment:

DVHTAATTAATTADDDDB
---TAATKATATAA---

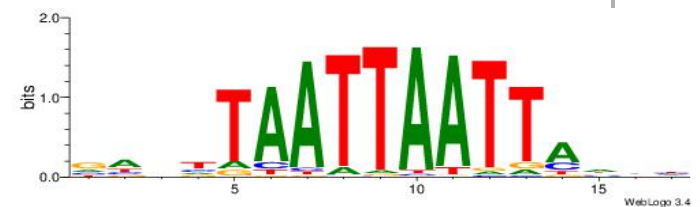
Original motif

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: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0327446

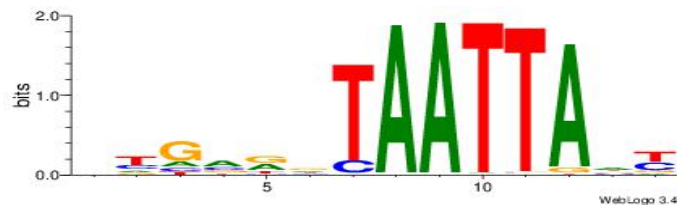
Alignment:

MDTAATTAHMBCHB
--TAATKATATAA-

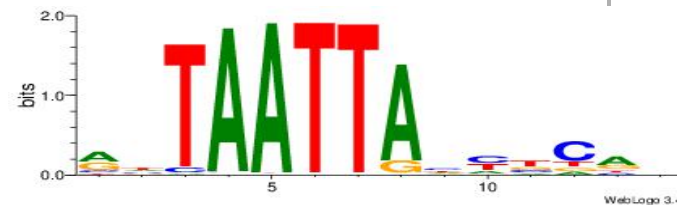
Original motif

Reverse complement motif

Consensus sequence: BHGVRDTAATTADY



Consensus sequence: MDTAATTAHMBCHB

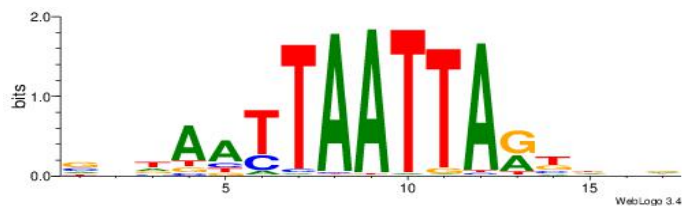


Motif ID: [UP00128](#)
Motif name: Pou3f2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 11
Similarity score: 0.0328898

Alignment:
HHDVMTAATTAATTDDV
-----TAATKATATAA-

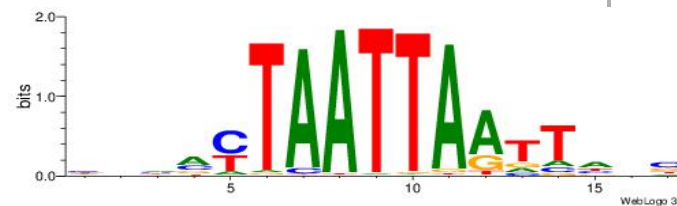
Original motif

Consensus sequence: VDDAATTAATTARBDHD



Reverse complement motif

Consensus sequence: HHDVMTAATTAATTDDV



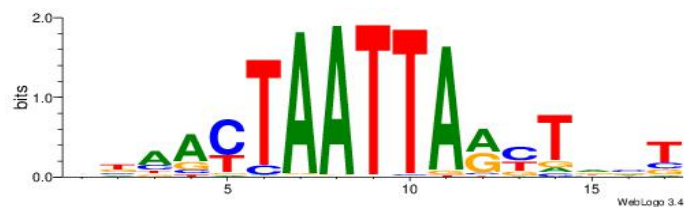
Motif ID: [UP00266](#)
 Motif name: Prrx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0331473

Alignment:

AVDAKKTAATTAGTTVV
 -----TAATKATATAA

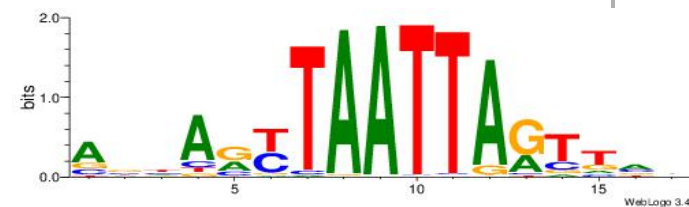
Original motif

Consensus sequence: VBAACTAATTARYTDVT



Reverse complement motif

Consensus sequence: AVDAKKTAATTAGTTVV



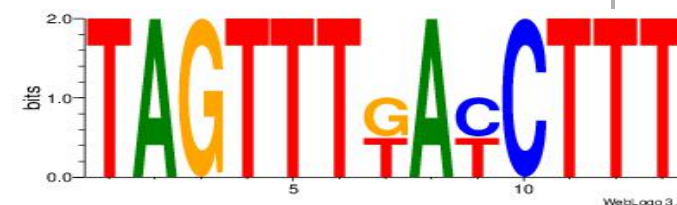
Dataset #: 1 Motif ID: 15 Motif name: Motif 15

Original motif

Consensus sequence: AAAGRTMAAACTA

Reverse complement motif

Consensus sequence: TAGTTTYAKCTTT



Best Matches for Motif ID 15 (Highest to Lowest)

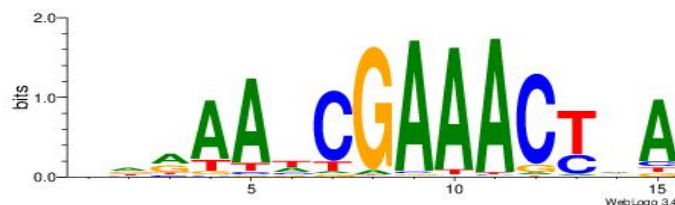
Motif ID: [UP00074](#)
 Motif name: Isgf3g_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0359564

Alignment:

TDAGTTTCGWTTKDV
 -TAGTTTYAKCTTT-

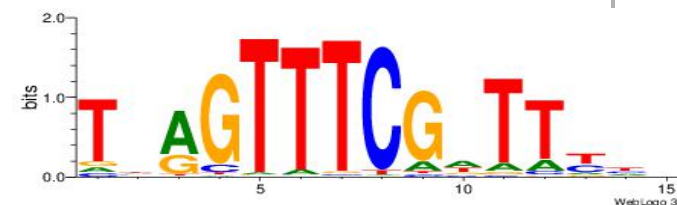
Original motif

Consensus sequence: VDRAAWCGAAACTDA



Reverse complement motif

Consensus sequence: TDAGTTTCGWTTKDV



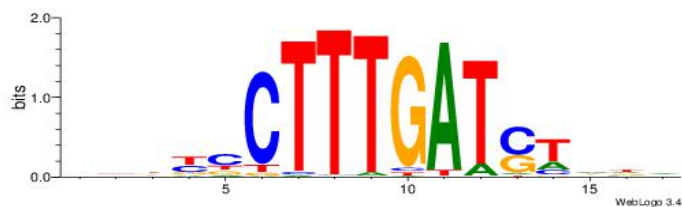
Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 13
 Similarity score: 0.0371142

Alignment:

BDDASATCAAAGGMDDD
 -AAAGRTMAAACTA---

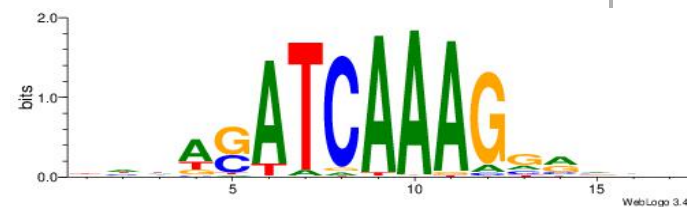
Original motif

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

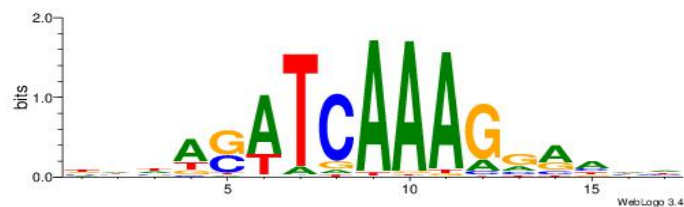
Number of overlap: 13
Similarity score: 0.0377174

Alignment:

BHHASATCAAAGGAHHH
-AAAGRTMAAACTA---

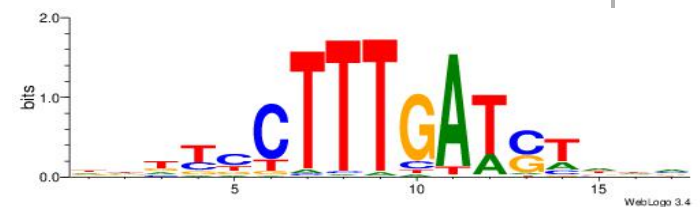
Original motif

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

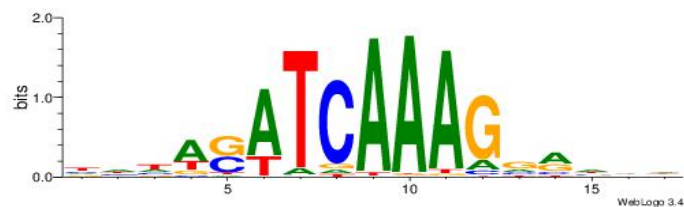
Alignment:

HHHASATCAAAGVRHHH
-AAAGRTMAAACTA---

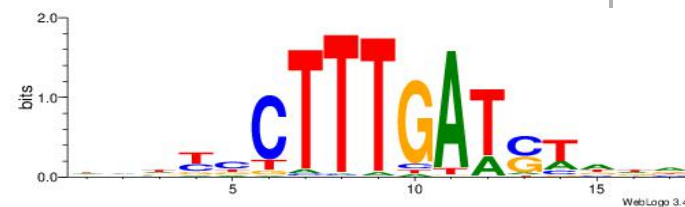
Original motif

Reverse complement motif

Consensus sequence: HHHASATCAAAGVRHHH



Consensus sequence: HHHKVCTTTGATSTHHH



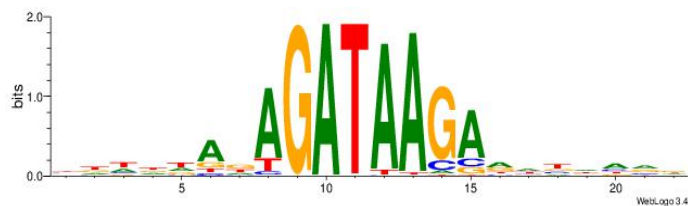
Motif ID: [UP00032](#)
Motif name: Gata3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 6
Number of overlap: 13
Similarity score: 0.0406011

Alignment:

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

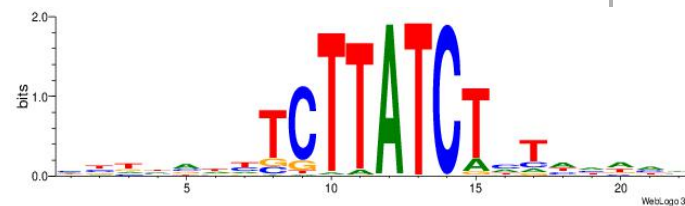
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



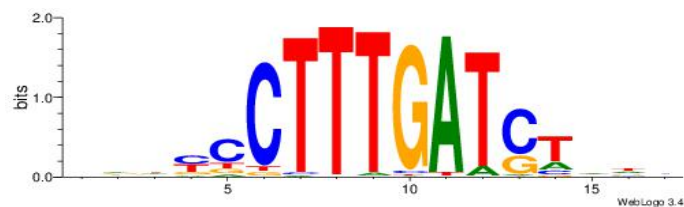
Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 13
 Similarity score: 0.0411941

Alignment:

VDDAGATCAAAGGKDDD
 -AAAGRTMAAACTA---

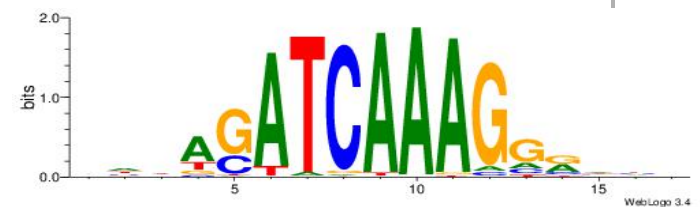
Original motif

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

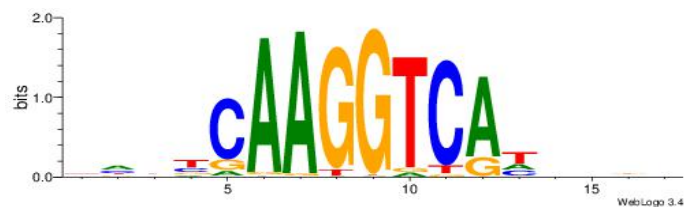
Similarity score: 0.042799

Alignment:

DHDBCAAGGTCAHVBDH
----AAAGRTMAAACTA

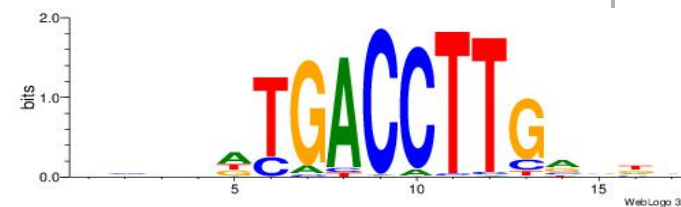
Original motif

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:

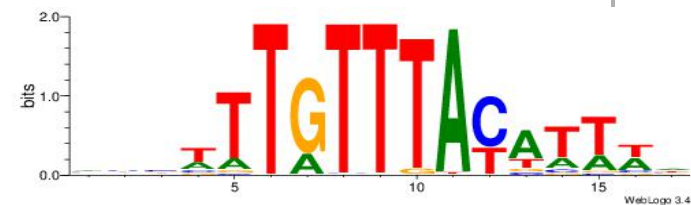
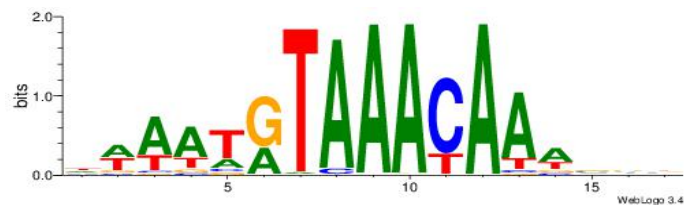
DWAATRТАААСАWVVВ
-AAAGRTMAAACTA---

Original motif

Consensus sequence: DWAATRТАААСАWVVВ

Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD

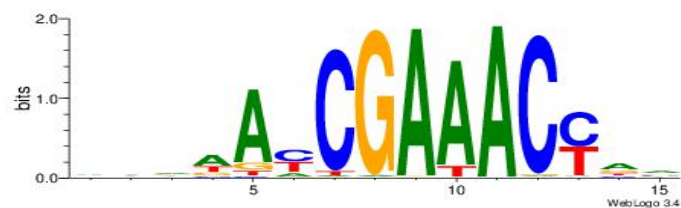


Motif ID: [UP00040](#)
 Motif name: Irf5_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0474515

Alignment:
 BDKGTTTCGKTWDDD
 -TAGTTTYAKCTTT-

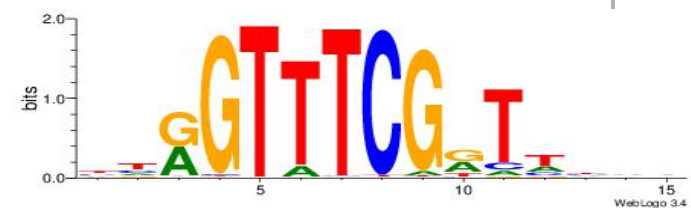
Original motif

Consensus sequence: DDDWAYCGAAACYDV



Reverse complement motif

Consensus sequence: BDKGTTTCGKTWDDD



Motif ID: [UP00199](#)

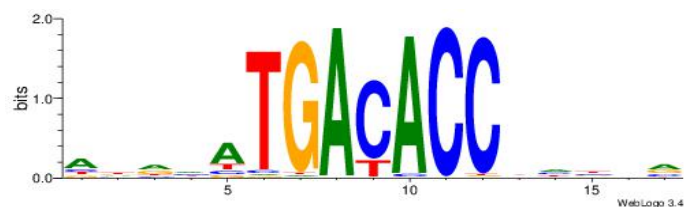
Motif name: Six4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0477024

Alignment:

BBVHVGGTGTCA THDDT
 ----TAGTTTYAKCTTT

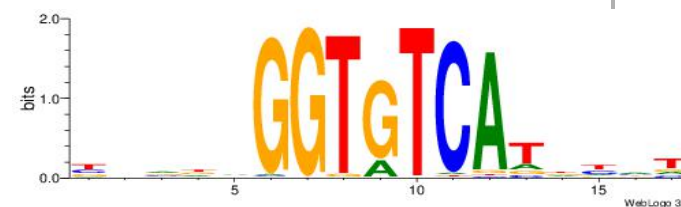
Original motif

Consensus sequence: ADDHATGACACCBHBBV



Reverse complement motif

Consensus sequence: BBVHVGGTGTCA THDDT



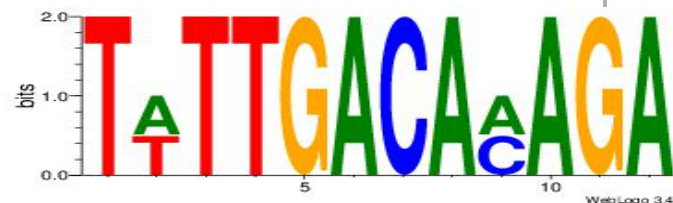
Dataset #: 1 Motif ID: 16 Motif name: Motif 16

Original motif

Consensus sequence: TCTKTGTCAAWA

Reverse complement motif

Consensus sequence: TWTTGACAYAGA



Best Matches for Motif ID 16 (Highest to Lowest)

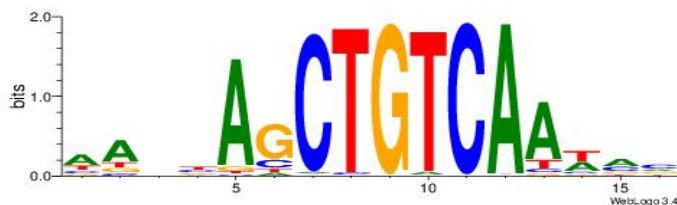
Motif ID: [UP00258](#)
 Motif name: Tgif2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.00294541

Alignment:

VBWTTGACAGCTVBTT
 -TWTTGACAYAGA---

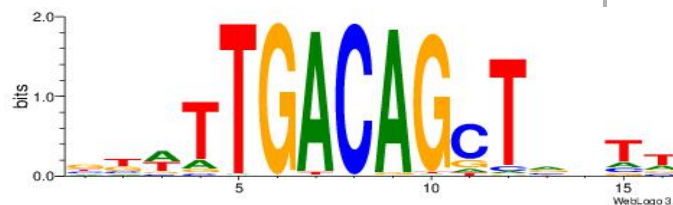
Original motif

Consensus sequence: AABGAGCTGTCAAWV



Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT



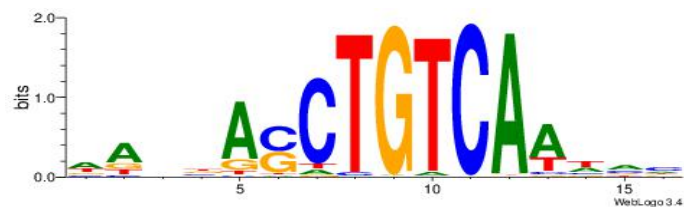
Motif ID: [UP00210](#)
 Motif name: Mrg2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.00709656

Alignment:

DBHTTGACAGSTVDTD
 -TWTTGACAYAGA---

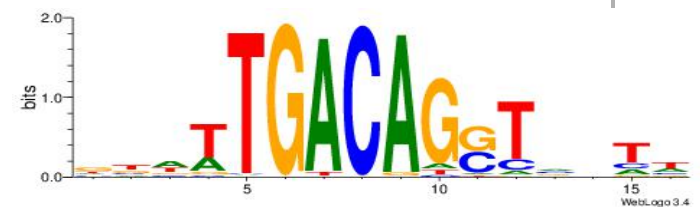
Original motif

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

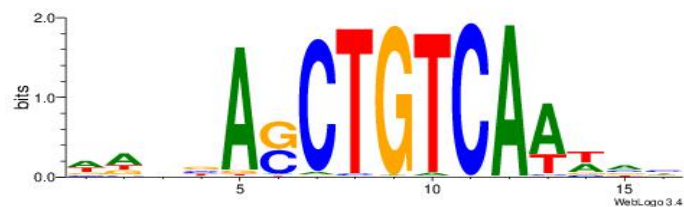
Number of overlap: 12
Similarity score: 0.00883873

Alignment:

WAVBASCTGTCAAWVH
---TCTKTGTCAAWA-

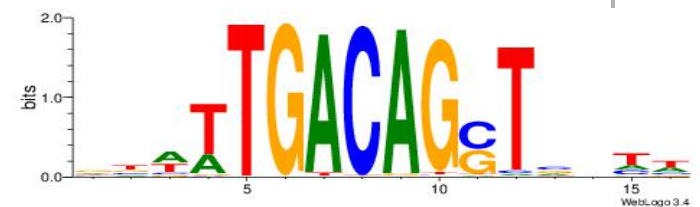
Original motif

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

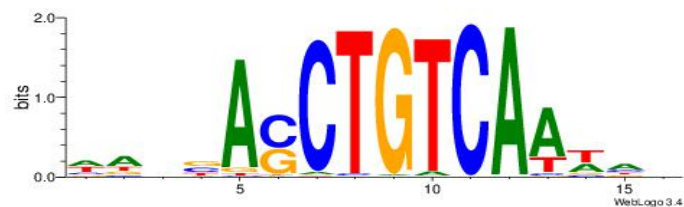
Alignment:

WAVBASCTGTCAAWHB
---TCTKTGTCAAWA-

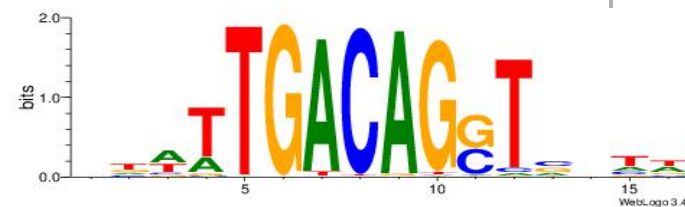
Original motif

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

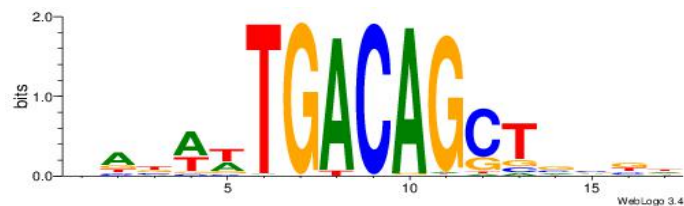
Alignment:

DABWWTGACAGCTVVBD

--TWTGACAYAGA----

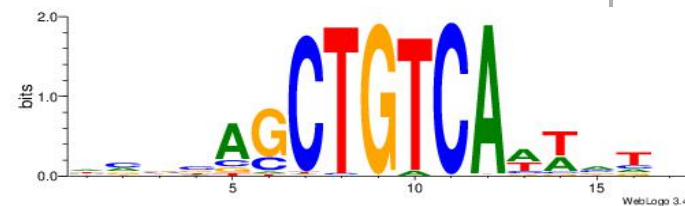
Original motif

Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



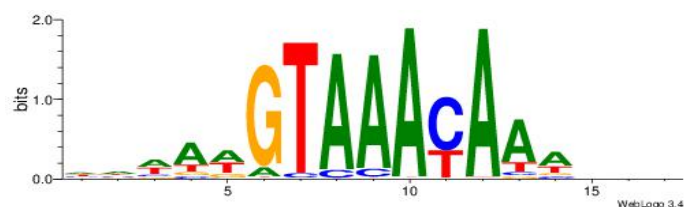
Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0145754

Alignment:

BDVTTTKTTTACWTWHH
 -----TWTGACAYAGA

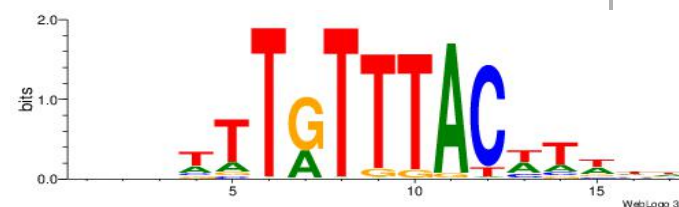
Original motif

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

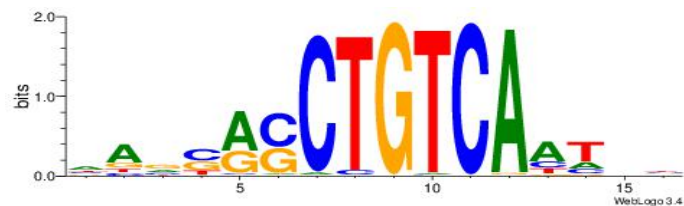
Alignment:

VHATTGACAGSKSVTH

-TWTTGACAYAGA---

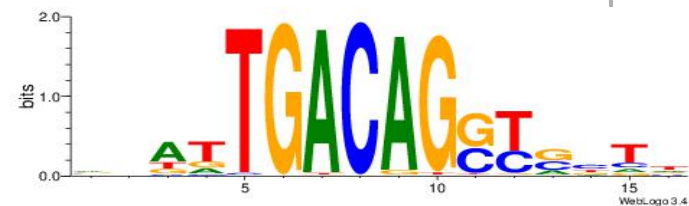
Original motif

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

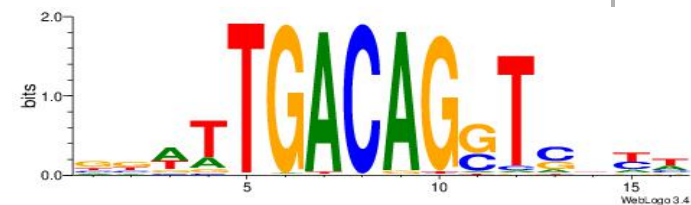
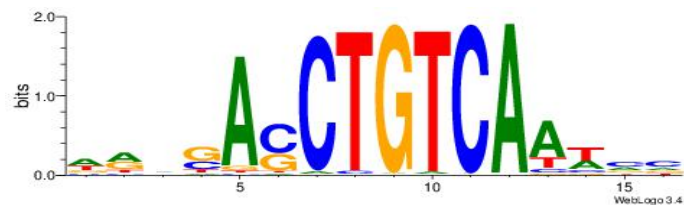
---TCTKTGTCAAWA-

Original motif

Consensus sequence: DRVSASCTGTCAAWVV

Reverse complement motif

Consensus sequence: VVWTTGACAGSTSBKD



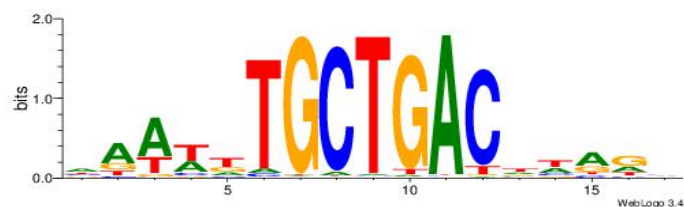
Motif ID: [UP00045](#)
 Motif name: Mafb_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0150474

Alignment:

HAAWDTGCTGACDWARH
 -----TWTGACAYAGA

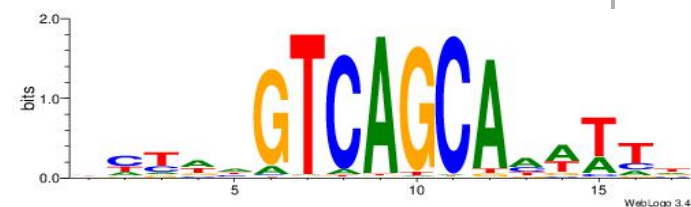
Original motif

Consensus sequence: HAAWDTGCTGACDWARH



Reverse complement motif

Consensus sequence: DMTWDGTCAGCADWTH

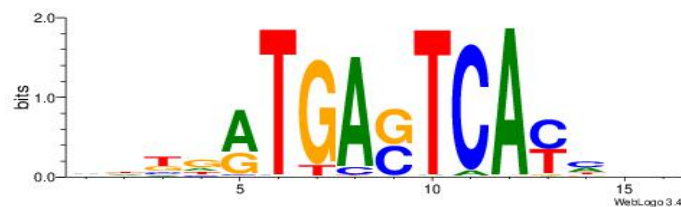


Motif ID: [UP00103](#)
 Motif name: Jundm2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0167106

Alignment:
 HDDKTGASTCAKHRDB
 -TWTTGACAYAGA---

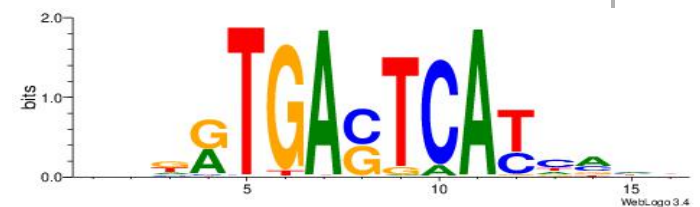
Original motif

Consensus sequence: VDKDRTGASTCAYHDH



Reverse complement motif

Consensus sequence: HDDKTGASTCAKHRDB



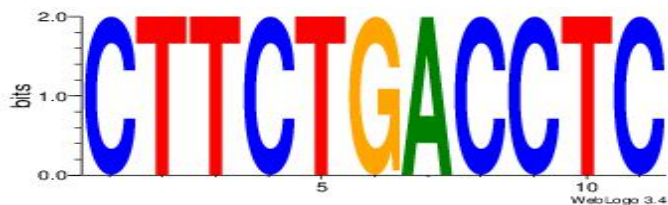
Dataset #: 1 Motif ID: 17 Motif name: Motif 17

Original motif

Consensus sequence: CTTCTGACCTC

Reverse complement motif

Consensus sequence: GAGGTCAGAAG



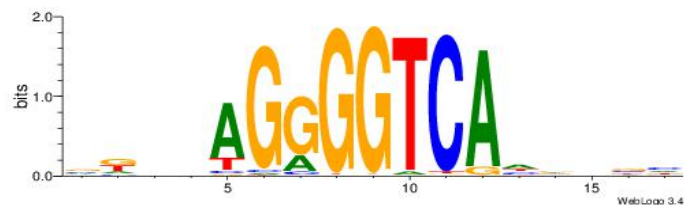
Best Matches for Motif ID 17 (Highest to Lowest)

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-

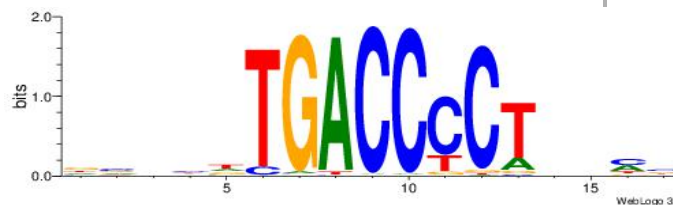
Original motif

Consensus sequence: VKBBAGGGGTCAHDBBH



Reverse complement motif

Consensus sequence: DBBHHTGACCCCTBBYV



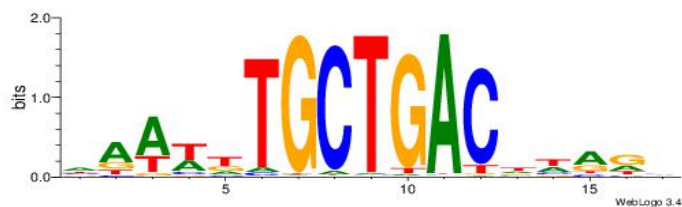
Motif ID: [UP00045](#)
 Motif name: Mafb_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.00315419

Alignment:

DMTWDGTCAGCADWTTH
 --GAGGTCAGAAG----

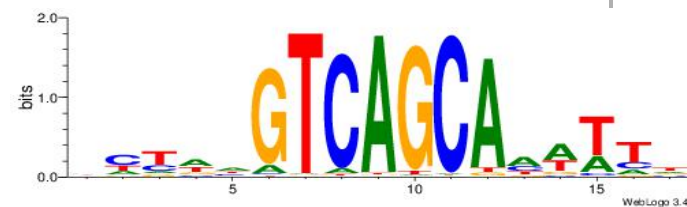
Original motif

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

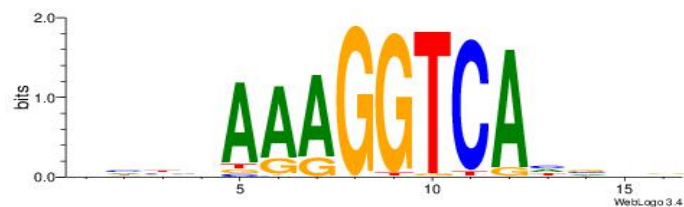
Number of overlap: 11
Similarity score: 0.00435047

Alignment:

DHBHAAAGGTCAHVHB
-----GAGGTCAGAAG

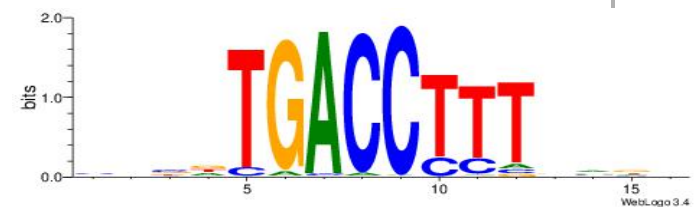
Original motif

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: Forward
Position number: 6
Number of overlap: 11
Similarity score: 0.00499607

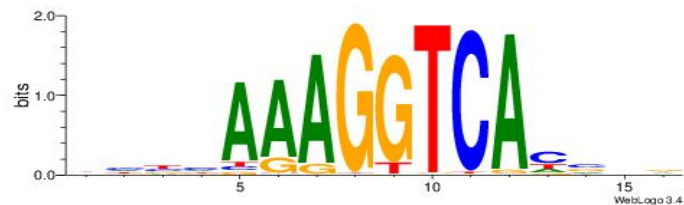
Alignment:

DHBHAAAGGTCACVHD
-----GAGGTCAGAAG

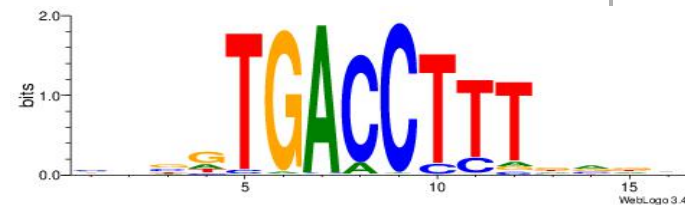
Original motif

Reverse complement motif

Consensus sequence: DHBHAAAGGTCACVHD



Consensus sequence: HHVGTGACCTTTDVDD



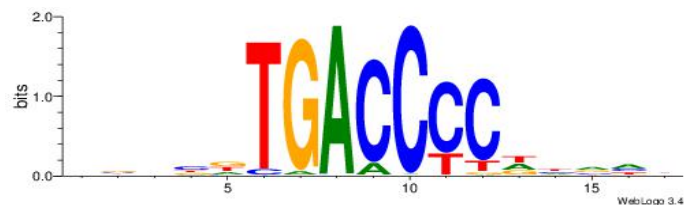
Motif ID: [UP00053](#)
Motif name: Rxra_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 11
Similarity score: 0.00503678

Alignment:

DBHBDTGACCCCDHVHB
-CTTCTGACCTC-----

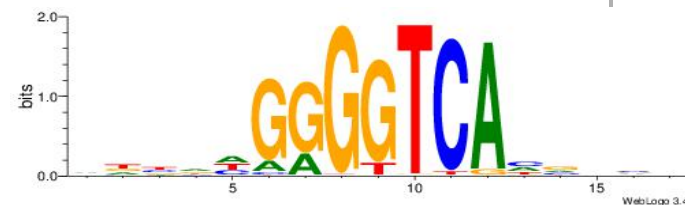
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHBD

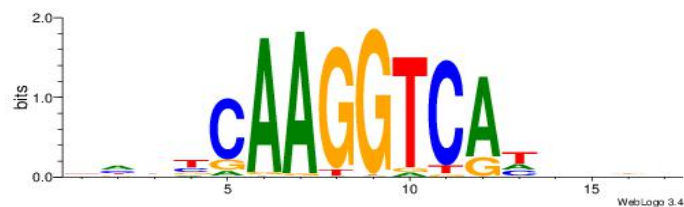


Motif ID: [UP00079](#)
 Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.00855607

Alignment:
 HHBVHTGACCTTGVDHD
 -CTTCTGACCTC-----

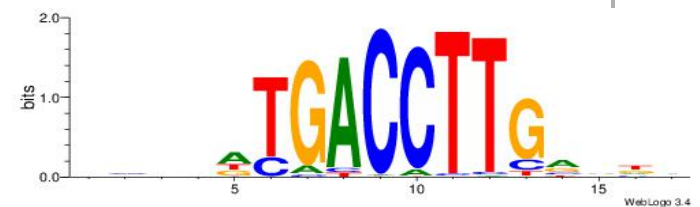
Original motif

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

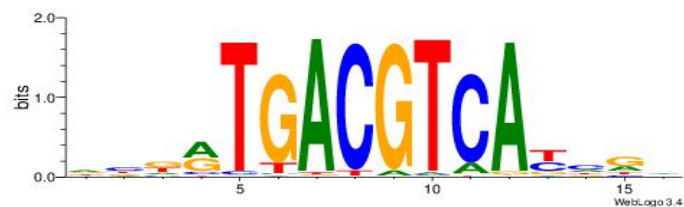
Similarity score: 0.0106472

Alignment:

DMDMTGACGTCACHBD
-----GAGGTCAGAAG

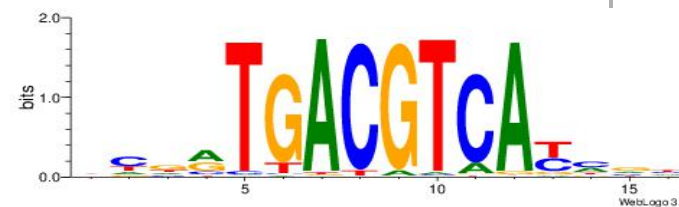
Original motif

Consensus sequence: DBDRTGACGTCAYHRD



Reverse complement motif

Consensus sequence: DMDMTGACGTCACHBD



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:

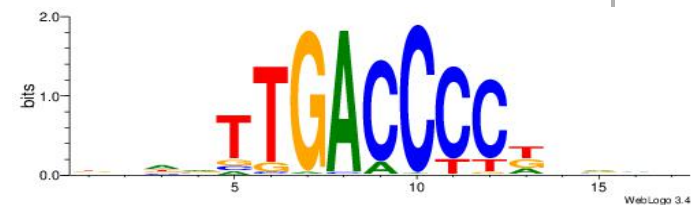
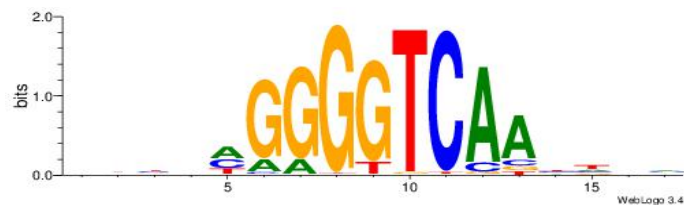
BDBVMGGGGTCAABHDV
-----GAGGTCAGAAG-

Original motif

Consensus sequence: BDBVMGGGGTCAABHDV

Reverse complement motif

Consensus sequence: BHHVTTGACCCCYVVD

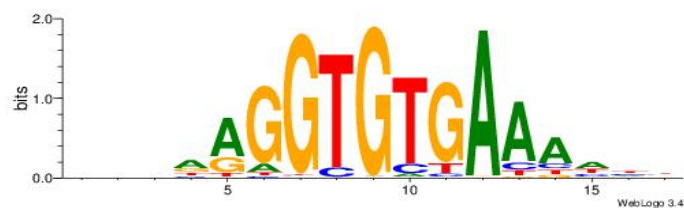


Motif ID: [UP00068](#)
 Motif name: Eomes_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0131175

Alignment:
 BVHDAGGTGTGAAHHH
 ---GAGGTCAGAAG---

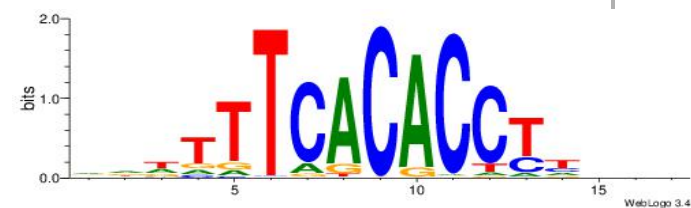
Original motif

Consensus sequence: BVHDAGGTGTGAAHHH



Reverse complement motif

Consensus sequence: HHHTTTCACACCTDHBV



Motif ID: [UP00103](#)

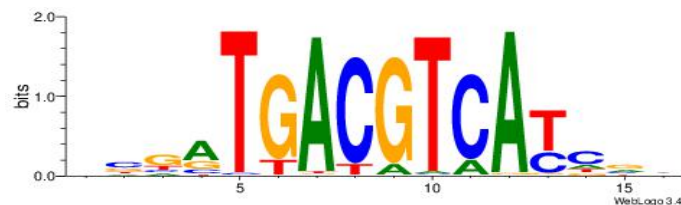
Motif name: Jundm2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0132197

Alignment:

HVGMTGACGTCATCBB
 CTTCTGACCTC-----

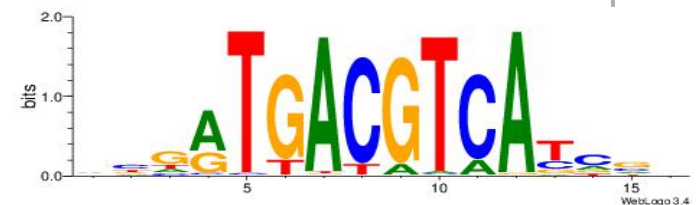
Original motif

Consensus sequence: BBGATGACGTCA YCVH



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



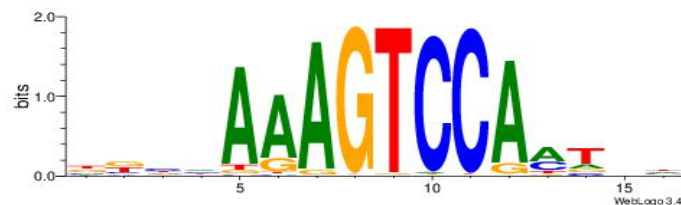
Best Matches for Motif ID 18 (Highest to Lowest)

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---

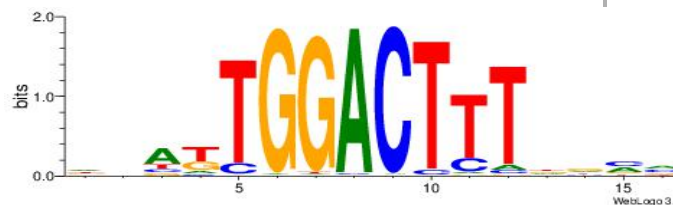
Original motif

Consensus sequence: BBHHAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTTHDBV



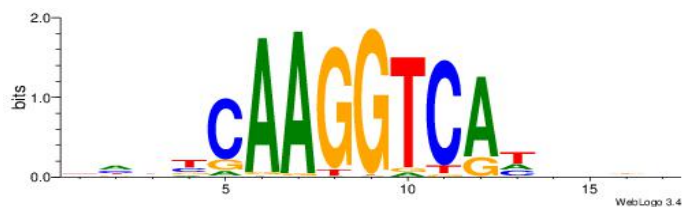
Motif ID: [UP00079](#)
 Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0313848

Alignment:

HHBVHTGACCTTGVDHD
 --GCTGGACTTTG----

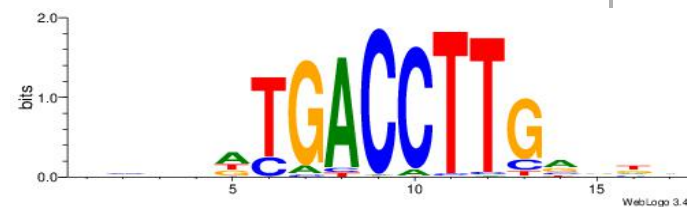
Original motif

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

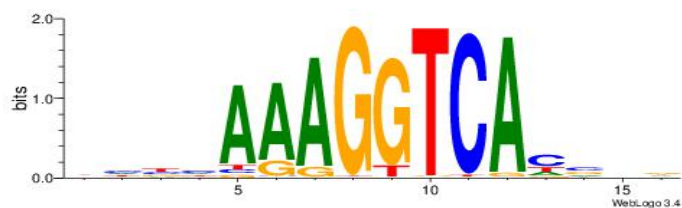
Number of overlap: 11
Similarity score: 0.0347594

Alignment:

DHBHAAAGGTCACVHD
---CAAAGTCCAGC--

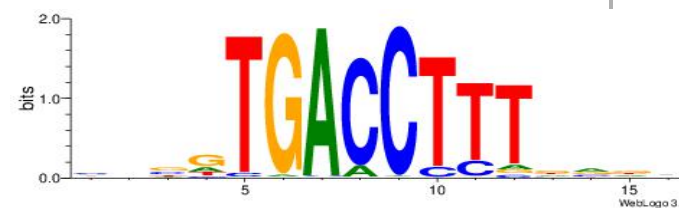
Original motif

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

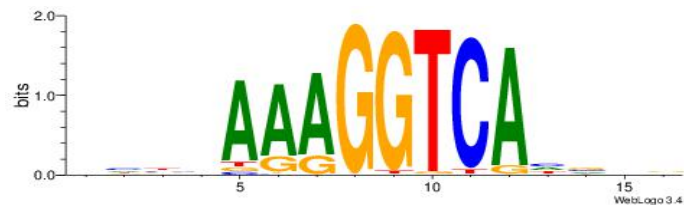
Alignment:

DHBHAAAGGTCAHVHB
---CAAAGTCCAGC--

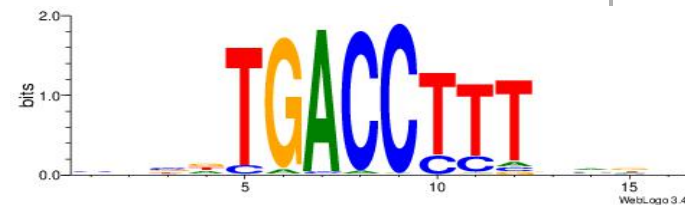
Original motif

Reverse complement motif

Consensus sequence: DHBHAAAGGTCAHVHB



Consensus sequence: BHVDTGACCTTTDVDD



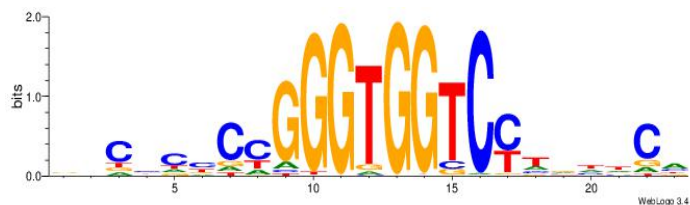
Motif ID: [UP00538](#)
Motif name: Gli1_v016060_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 10
Number of overlap: 11
Similarity score: 0.0461676

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
-----GCTGGACTTTG----

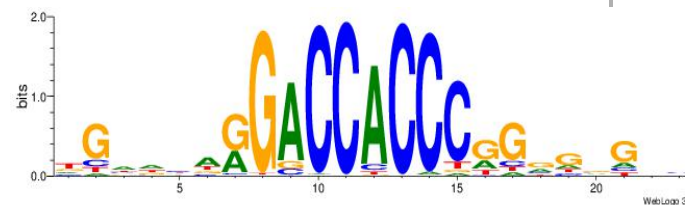
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVVHKGACCACCCGGBGBGDB



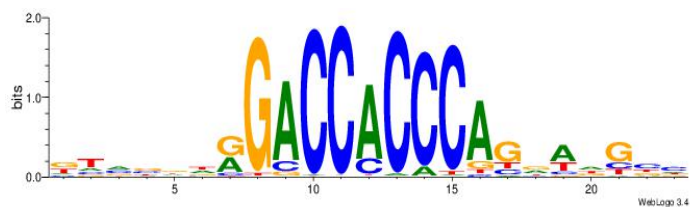
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0468432

Alignment:

DTVBDDRGACCACCCAGDWDGBH
 ---CAAAGTCCAGC-----

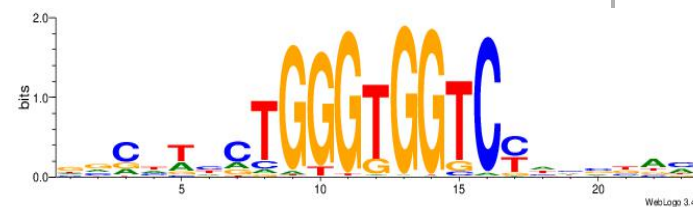
Original motif

Consensus sequence: DTVBDDRGACCACCCAGDWDGBH



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: Backward
 Position number: 2

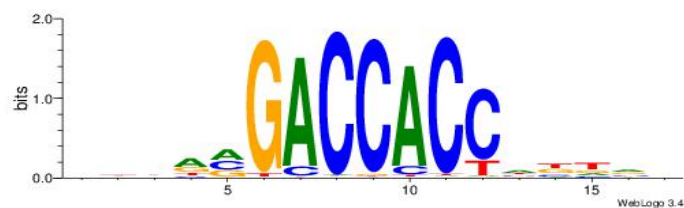
Number of overlap: 11
Similarity score: 0.0474554

Alignment:

BBDVHGGTGGTCBKDDDB
-----GCTGGACTTTG-

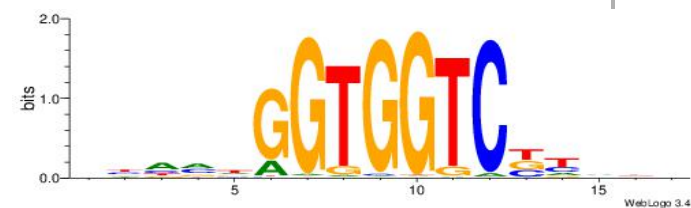
Original motif

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: Forward
Position number: 4
Number of overlap: 11
Similarity score: 0.0475257

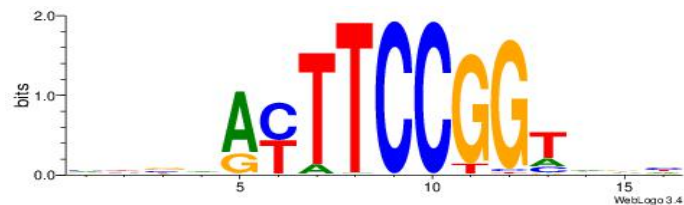
Alignment:

DHDACCGGAAKTBBVV
---GCTGGACTTTG--

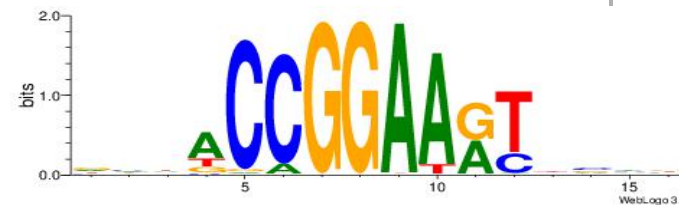
Original motif

Reverse complement motif

Consensus sequence: VBBVAYTTCCGGTDDH



Consensus sequence: DHDACCGGAAKTBBVV



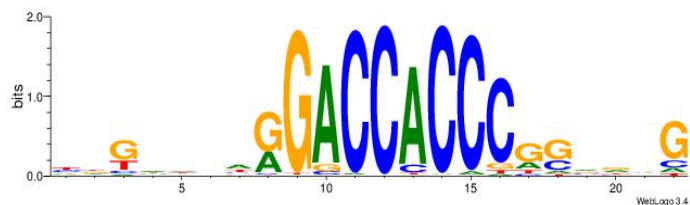
Motif ID: [UP00540](#)
Motif name: Gli3_v016060_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 11
Similarity score: 0.0476315

Alignment:

```
HDGHHBHRGACCACCCGSVDVG  
-----CAAAGTCCAGC-----
```

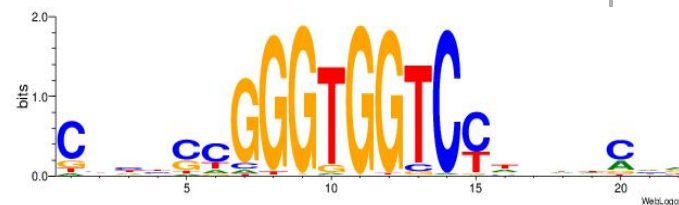
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



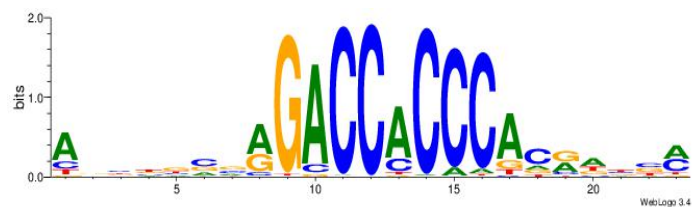
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0492402

Alignment:

ABBBBVVRGACCACCCACRDBBM
 ----CAAAGTCCAGC-----

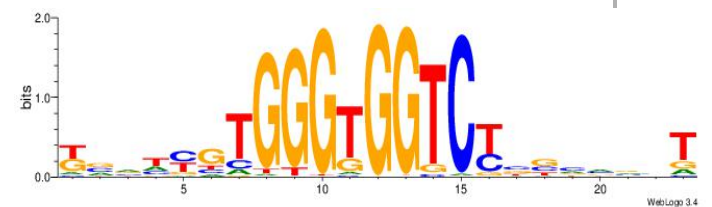
Original motif

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)

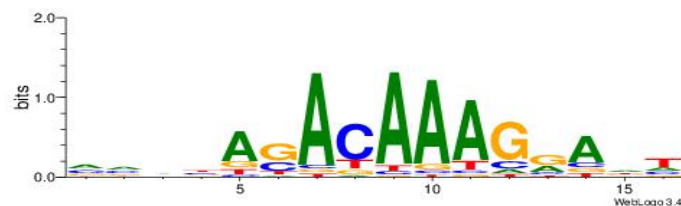
Motif ID: [UP00101](#)
 Motif name: Sox12_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0

Alignment:

VVDBASACAAAGRADH
 -----AGAGAAAG-----

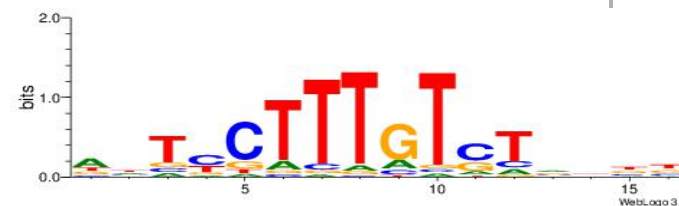
Original motif

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:

VAAAGMGAAGTWD
 ---AGAGAAAG---

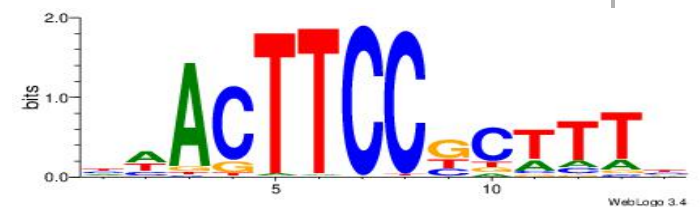
Original motif

Consensus sequence: VAAAGMGAAGTWD



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

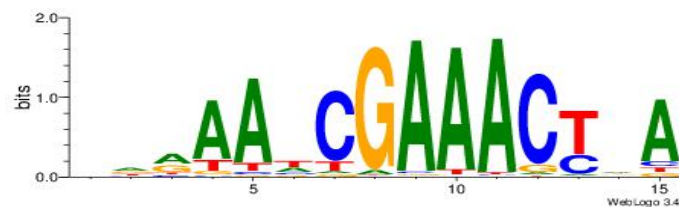
Number of overlap: 8
Similarity score: 0.0130365

Alignment:

TDAGTTTCGWTTKDV
---CTTTCTCT----

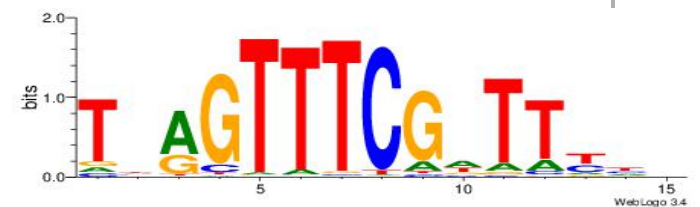
Original motif

Consensus sequence: VDRAAWCGAAACTDA



Reverse complement motif

Consensus sequence: TDAGTTTCGWTTKDV



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

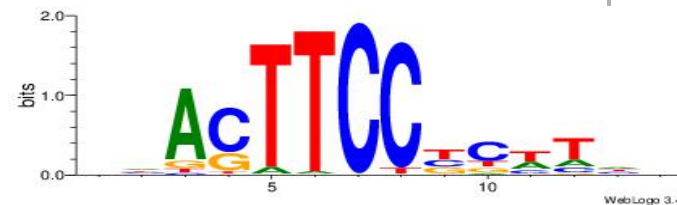
Original motif

Reverse complement motif

Consensus sequence: BDAWGVGGAAGTDH



Consensus sequence: HDACTTCCBCWTDV



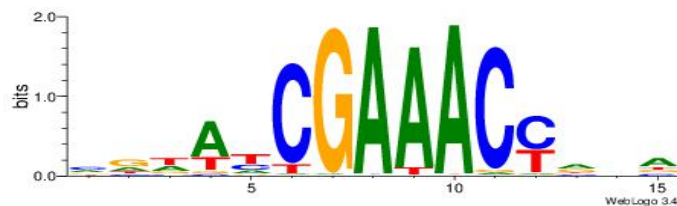
Motif ID: [UP00018](#)
Motif name: Irf4_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 8
Similarity score: 0.0150506

Alignment:

TBDKGTTCGMDHV
----CTTTCTCT---

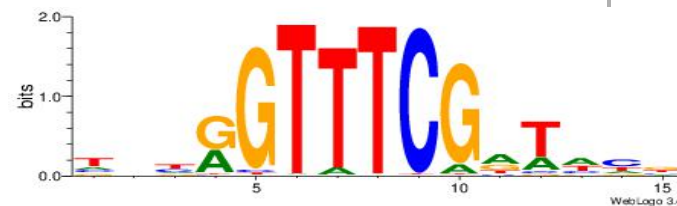
Original motif

Consensus sequence: VDDAYCGAAACYDVA



Reverse complement motif

Consensus sequence: TBDKGTTCGMDHV



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---

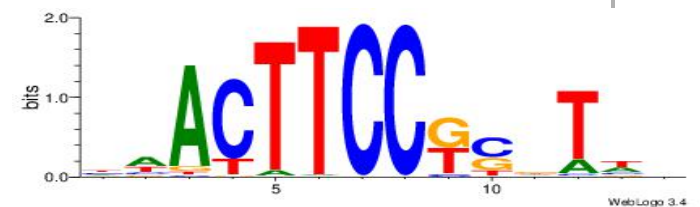
Original motif

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

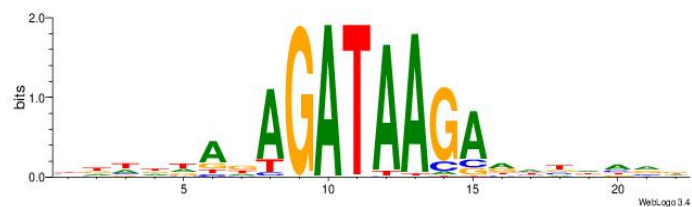
Number of overlap: 8
Similarity score: 0.0177379

Alignment:

BDHDDADAGATAAGADHBDHVD
-----AGAGAAAG-----

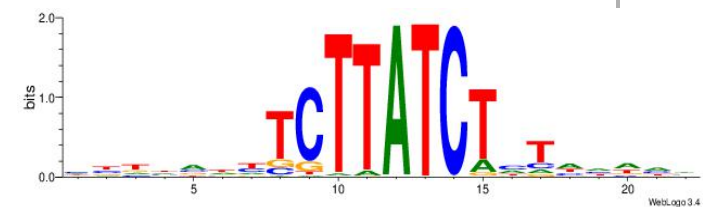
Original motif

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

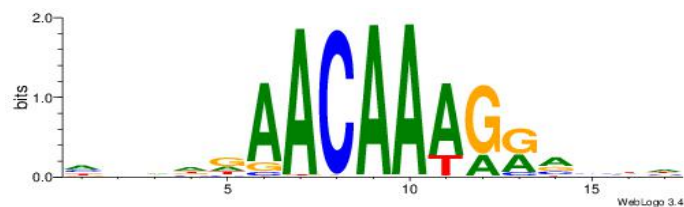
Alignment:

HBDDDAACAAAGRVBHH
----AGAGAAAG-----

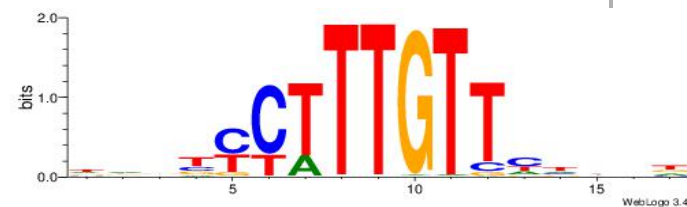
Original motif

Reverse complement motif

Consensus sequence: HBDDDAACAAAGRVBHH



Consensus sequence: HHBBMCTTTGTTHDDBH



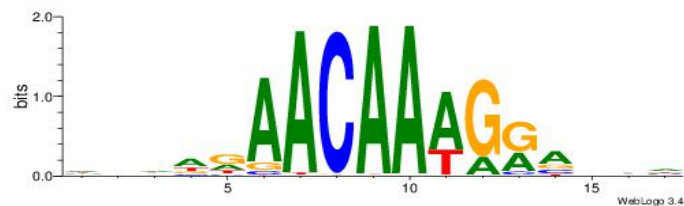
Motif ID: [UP00030](#)
Motif name: Sox11_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 8
Similarity score: 0.019138

Alignment:

HBDDRAACAAAGRABHH
-----AGAGAAAG-----

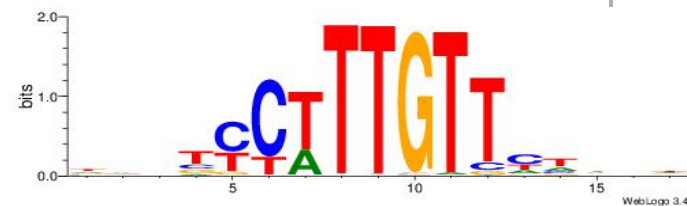
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



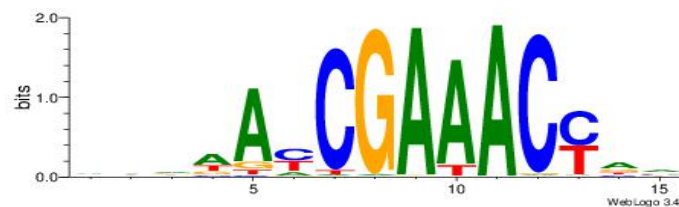
Motif ID: [UP00040](#)
 Motif name: Irf5_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0202543

Alignment:

BDKGTTTCGKTWDDD
 ---CTTTCTCT----

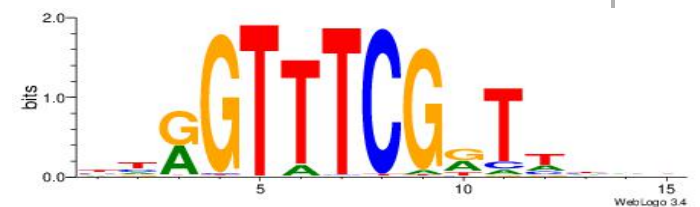
Original motif

Consensus sequence: DDDWAYCGAAACYDV



Reverse complement motif

Consensus sequence: BDKGTTTCGKTWDDD



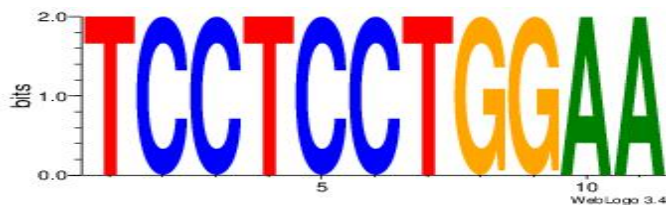
Dataset #: 1 Motif ID: 20 Motif name: Motif 20

Original motif

Consensus sequence: TCCTCCTGGAA

Reverse complement motif

Consensus sequence: TTCCAGGAGGA



Best Matches for Motif ID 20 (Highest to Lowest)

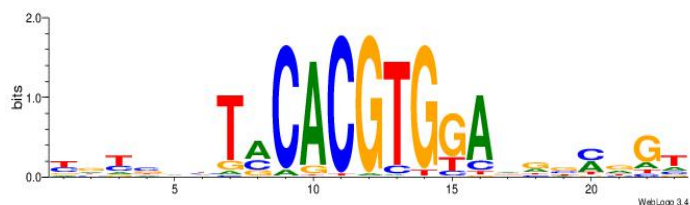
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 11
 Similarity score: 0.0142508

Alignment:

YDYBDHTMCACGTGGADDBMDGT
 -----TTCCAGGAGGA-----

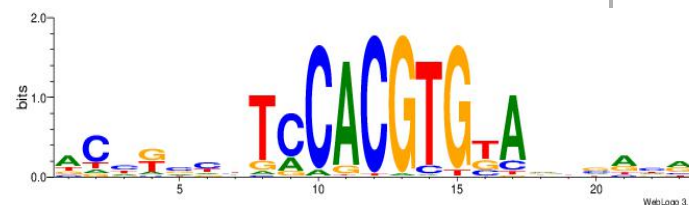
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



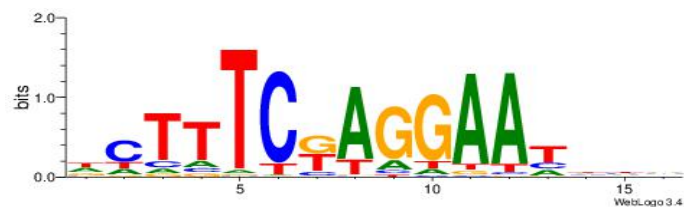
Motif ID: [UP00043](#)
 Motif name: Bcl6b_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0219794

Alignment:

VHHATTCCTYGAAAGD
 --TCCTCCTGGAA---

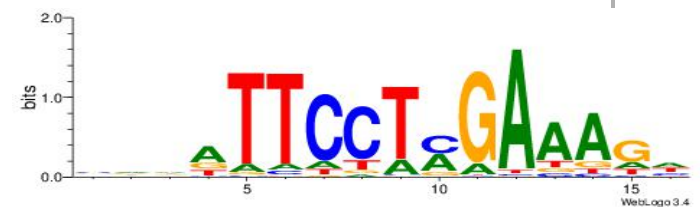
Original motif

Consensus sequence: DCTTTCKAGGAATHHV



Reverse complement motif

Consensus sequence: VHHATTCCTYGAAAGD



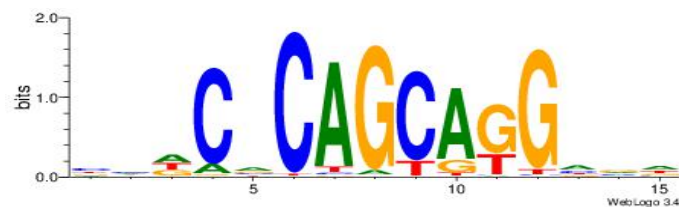
Motif ID: [UP00102](#)
 Motif name: Zic1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3

Number of overlap: 11
Similarity score: 0.0220915

Alignment:
DVHCCTGCTGBGDDDB
--TCCTCCTGGAA--

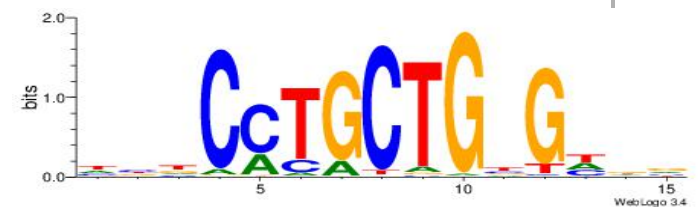
Original motif

Consensus sequence: BHDCVCAGCAGGHVD



Reverse complement motif

Consensus sequence: DVHCCTGCTGBGDDDB



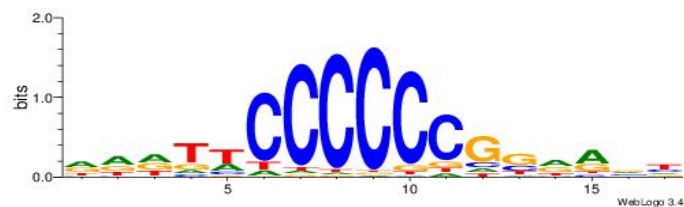
Motif ID: [UP00022](#)
Motif name: Zfp740_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 11
Similarity score: 0.0240277

Alignment:
DDDTWCCCCCGGDRVH
----TCCTCCTGGAA--

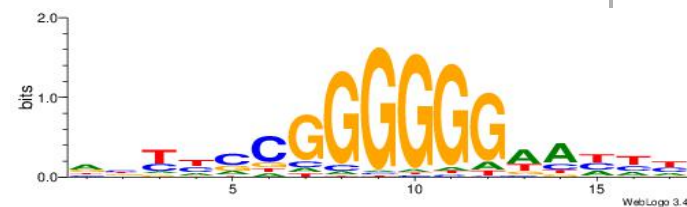
Original motif

Reverse complement motif

Consensus sequence: DDDTWCCCCCGGDRVH



Consensus sequence: HVKDCCGGGGGGWADDD



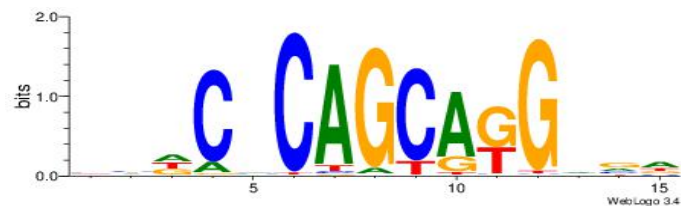
Motif ID: [UP00057](#)
Motif name: Zic2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.0255161

Alignment:

DVBCYTGCTGBGDDD
--TCCTCCTGGAA--

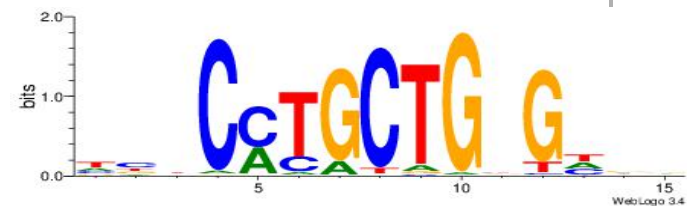
Original motif

Consensus sequence: HHDCVCAGCAKGVVD



Reverse complement motif

Consensus sequence: DVBCYTGCTGBGDDD



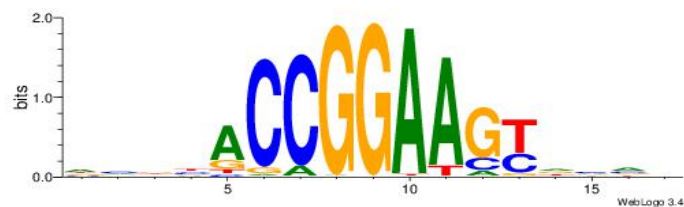
Motif ID: [UP00420](#)
 Motif name: Elk3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0258834

Alignment:

VBVDMCTTCCGGTVBVD
 -----TTCCAGGAGGA

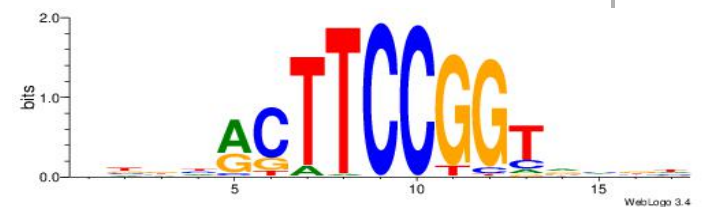
Original motif

Consensus sequence: DVBBACCGGAAGYDVVV



Reverse complement motif

Consensus sequence: VBVDMCTTCCGGTVBVD



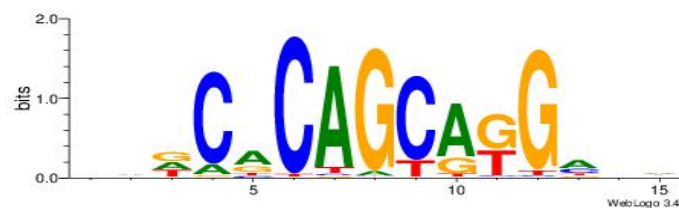
Motif ID: [UP00006](#)
 Motif name: Zic3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3

Number of overlap: 11
Similarity score: 0.0261265

Alignment:
DVHCYTGCTGTGHDH
--TCCTCCTGGAA--

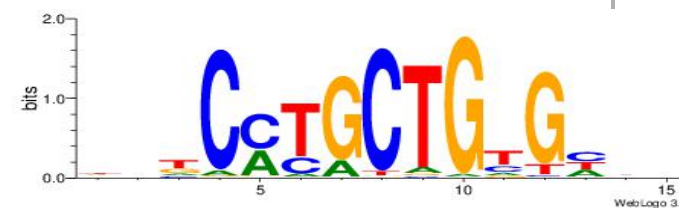
Original motif

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

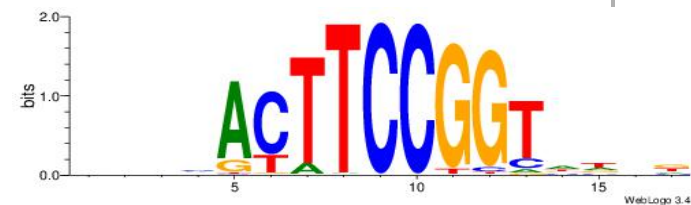
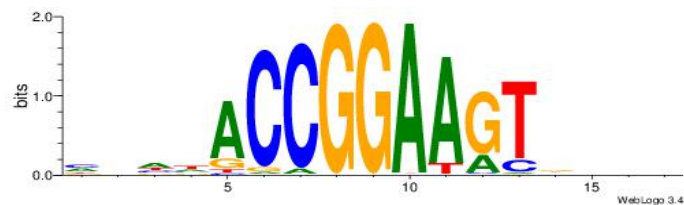
Alignment:
BHHHACTTCCGGTHHBD
-----TTCCAGGAGGA

Original motif

Consensus sequence: HVHHACCGGAAGTDHHV

Reverse complement motif

Consensus sequence: BHHHACTTCCGGTHHBD

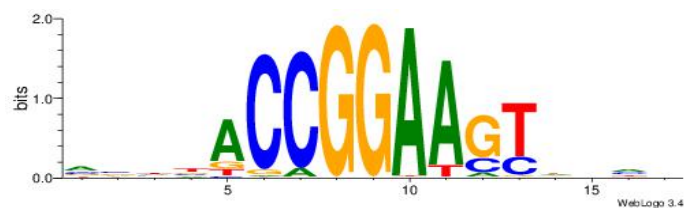


Motif ID: [UP00410](#)
 Motif name: Elk1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0292751

Alignment:
 DHBD ACTTCCGGTVHVB
 -----TTCCAGGAGGA

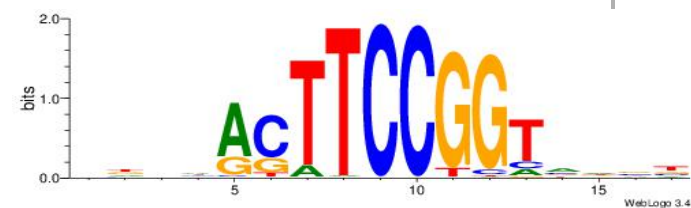
Original motif

Consensus sequence: VVHBACCGGAAGTDBHD



Reverse complement motif

Consensus sequence: DHBD ACTTCCGGTVHVB



Motif ID: [UP00183](#)

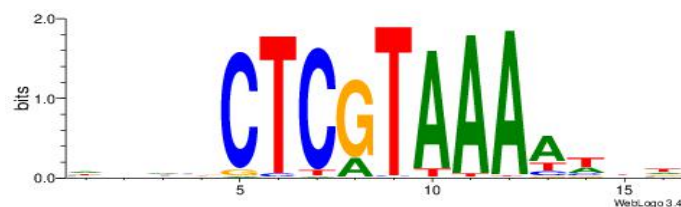
Motif name: Hoxa13
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0307181

Alignment:

HDHBCTCGTAAAWBD
 --TCCTCCTGGAA---

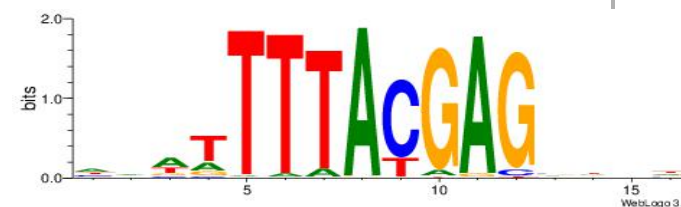
Original motif

Consensus sequence: HDHBCTCGTAAAWBD



Reverse complement motif

Consensus sequence: DVWTTTTACGAGBHDH



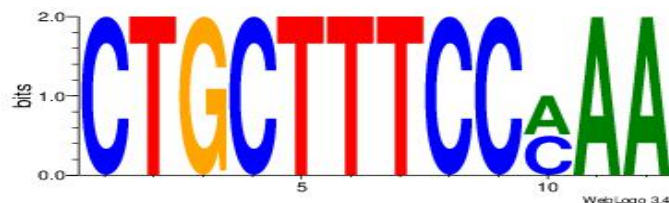
Dataset #: 1 Motif ID: 21 Motif name: Motif 21

Original motif

Consensus sequence: CTGCTTCCMAA

Reverse complement motif

Consensus sequence: TTYGGAAAGCAG



Best Matches for Motif ID 21 (Highest to Lowest)

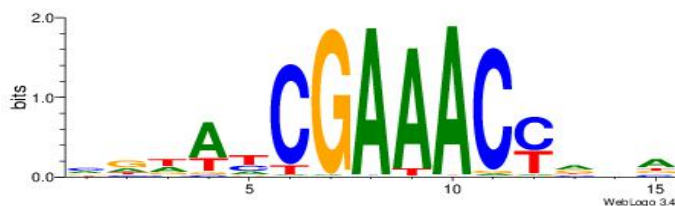
Motif ID: [UP00018](#)
 Motif name: Irf4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0328573

Alignment:

TBDKGTTTCGMDHV
 -CTGCTTTCCMAA--

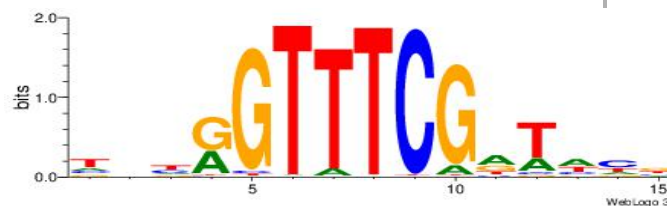
Original motif

Consensus sequence: VDDAYCGAAACYDVA



Reverse complement motif

Consensus sequence: TBDKGTTTCGMDHV



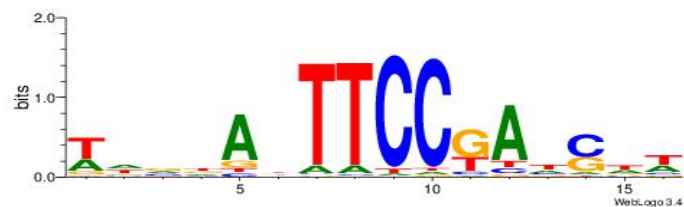
Motif ID: [UP00015](#)
 Motif name: Ehf_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0339295

Alignment:

WDSHTYGGAAVTDVDW
 ---TTYGGAAAGCAG--

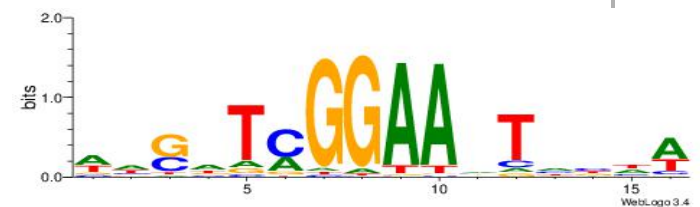
Original motif

Consensus sequence: WDV DABTTCC AHS DW



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

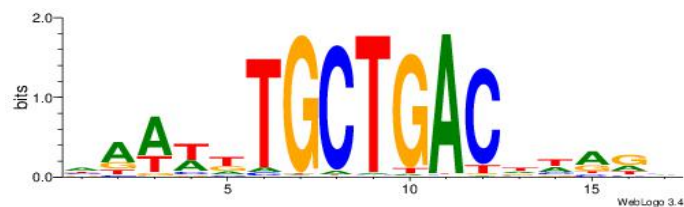
Number of overlap: 12
Similarity score: 0.0362612

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

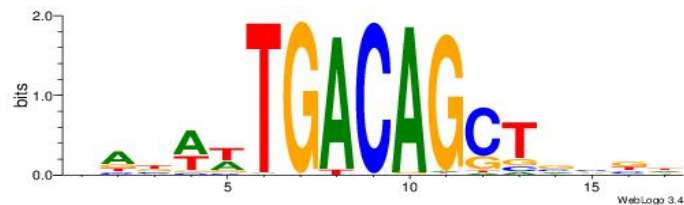
Alignment:

DBVVAGCTGTCAWWVTH
---CTGCTTTCCMAA--

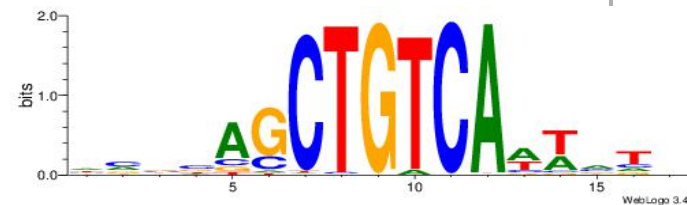
Original motif

Reverse complement motif

Consensus sequence: DABWWTGACAGCTVVBD



Consensus sequence: DBVVAGCTGTCAWWVTH



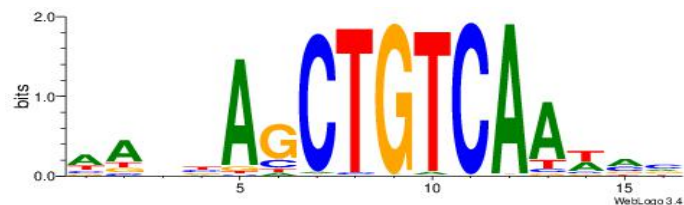
Motif ID: [UP00258](#)
Motif name: Tgif2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 12
Similarity score: 0.0385167

Alignment:

AABBAGCTGTCAAWVV
---CTGCTTTCCMAA--

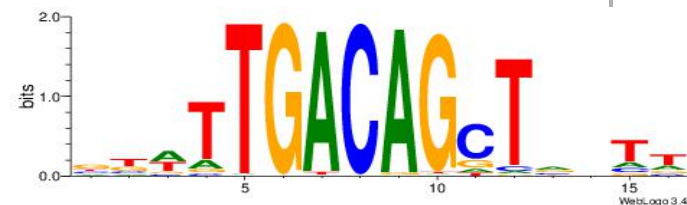
Original motif

Consensus sequence: AABBAGCTGTCAAWVV



Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT



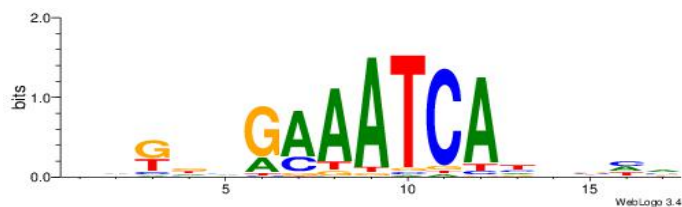
Motif ID: [UP00148](#)
 Motif name: Hdx
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0391678

Alignment:

DDKDHGAAATCAHHBH
 -TTYGGAAAGCAG----

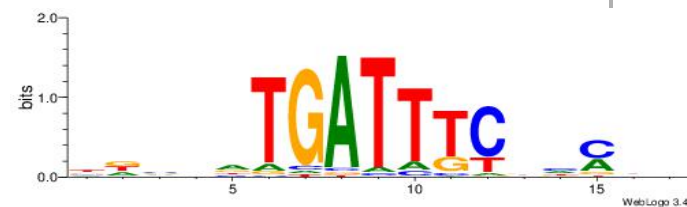
Original motif

Consensus sequence: DDKDHGAAATCAHHBH



Reverse complement motif

Consensus sequence: BDBDHTGATTTC DHYDD



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

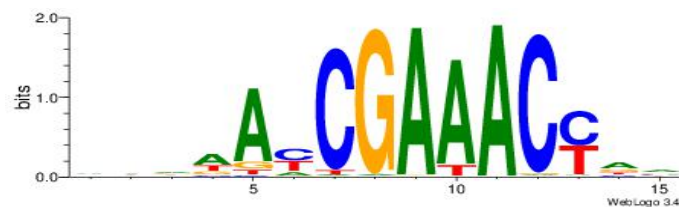
Number of overlap: 12
Similarity score: 0.04057

Alignment:

DDWAYCGAAACYDV
---TTYGGAAAGCAG

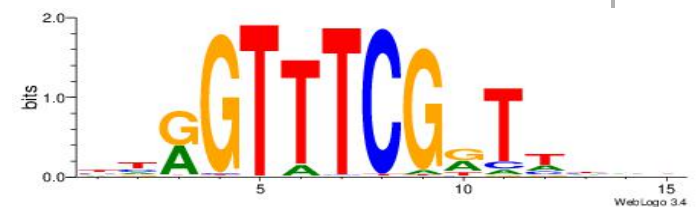
Original motif

Consensus sequence: DDDWAYCGAAACYDV



Reverse complement motif

Consensus sequence: BDKGTTTCGKTWDDD



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

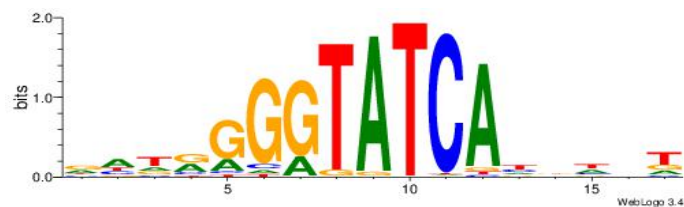
Alignment:

AVHDHTGATACCCMDHH
----CTGCTTTCMAA-

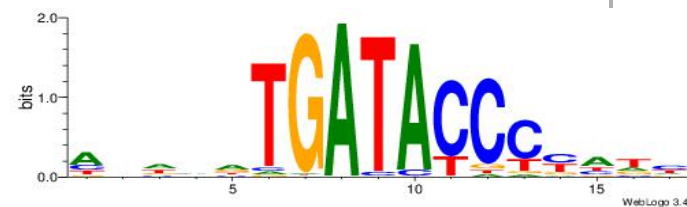
Original motif

Reverse complement motif

Consensus sequence: DHDRGGGTATCAHDHBT



Consensus sequence: AVHDHTGATACCCMDHH



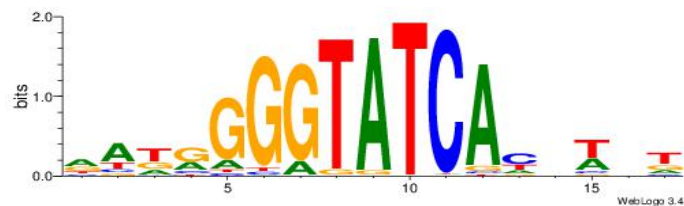
Motif ID: [UP00159](#)
Motif name: Six2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 12
Similarity score: 0.0420524

Alignment:

AHWDGTGATACCCMRTD
----CTGCTTTCMAA--

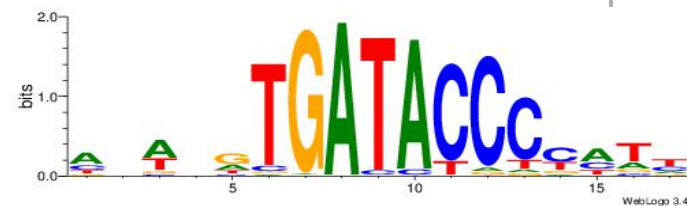
Original motif

Consensus sequence: DAKRGGGTATCACDWHT



Reverse complement motif

Consensus sequence: AHWDGTGATACCCMRTD



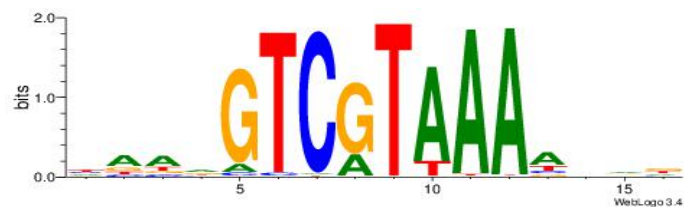
Motif ID: [UP00235](#)
 Motif name: Hoxc11
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0421437

Alignment:

HAADGTCGTAAAAHDD
 ----TTYGGAAAGCAG

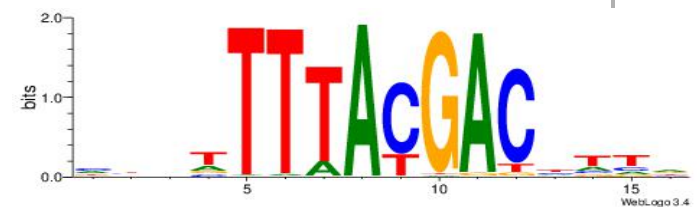
Original motif

Consensus sequence: HAADGTCGTAAAAHDD



Reverse complement motif

Consensus sequence: HDHTTTTACGACDTTH



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

Original motif

Consensus sequence: TTTATGGTGAGCAT

Reverse complement motif

Consensus sequence: ATGCTCACCATAAA



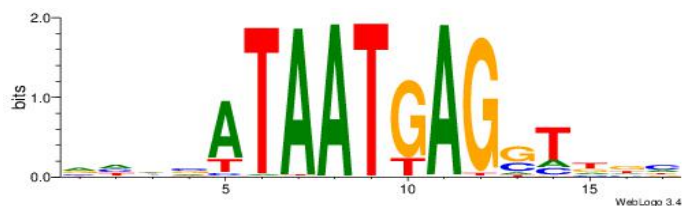
Best Matches for Motif ID 22 (Highest to Lowest)

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--

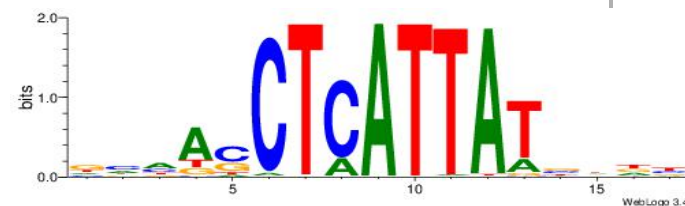
Original motif

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

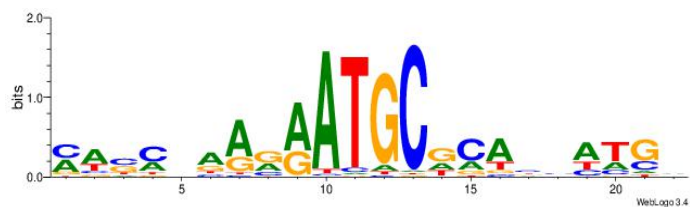
Alignment:

```

-DCATDBTGHGCATKMTTBRSWR
TTTATGGTGAGCAT-----
  
```

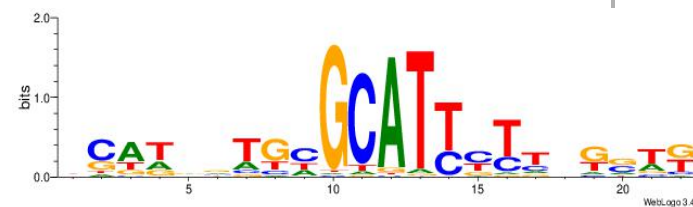
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR

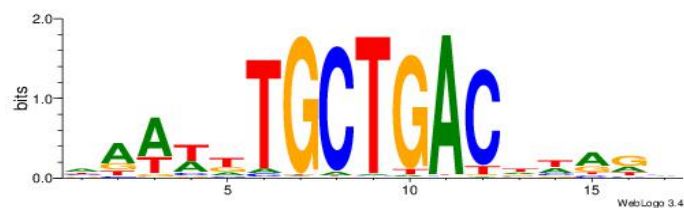


Motif ID: [UP00045](#)
 Motif name: Mafb_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5

Alignment:

```
HAAWDTGCTGACDWARH-  
-----ATGCTCACCATAAA
```

Consensus sequence: HAAWDTGCTGACDWARH



Consensus sequence: DMTWDGTCAGCADWTTH

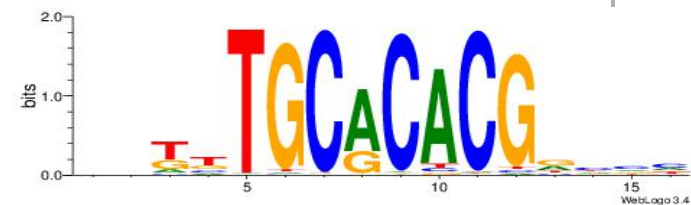
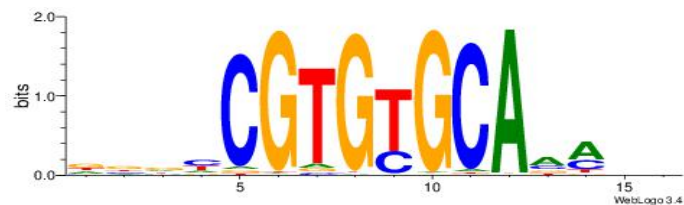


Alignment:

```
DBDHCGTGTGCAAMDH-  
-TTTATGGTGAGCAT--
```

Consensus sequence: DBDHC GTGTGCAAMDH

Consensus sequence: HDYTTGCACACGDHBH

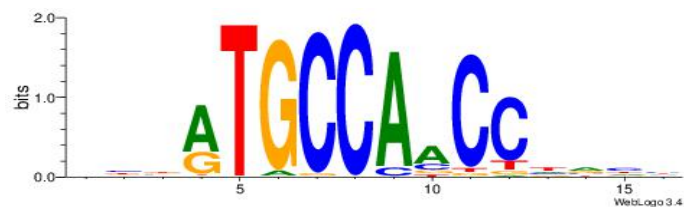


Motif ID: [UP00035](#)
 Motif name: Hic1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 13
 Similarity score: 0.524109

Alignment:
 -DDBHGGTTGGCATVBD
 TTTATGGTGAGCAT---

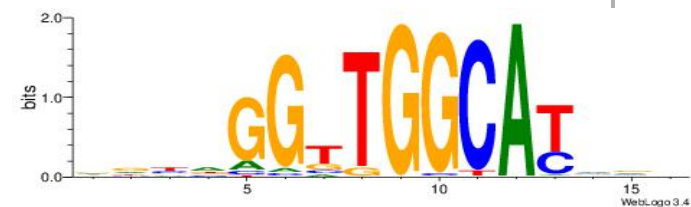
Original motif

Consensus sequence: DBBATGCCAACCHVHH



Reverse complement motif

Consensus sequence: DDBHGGTTGGCATVBD



Motif ID: [UP00072](#)

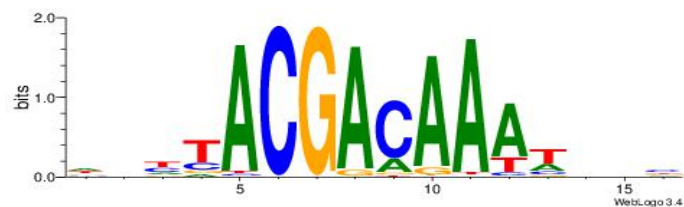
Motif name: IRC900814_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 1.01715

Alignment:

--DDHTACGACAAWDDDB
 --TTTATGGTGAGCAT--

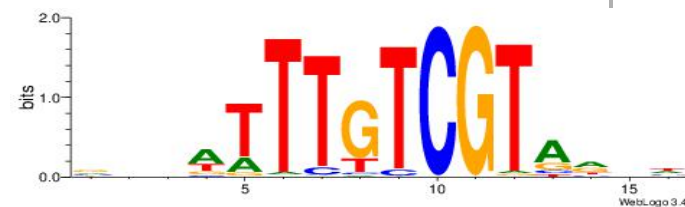
Original motif

Consensus sequence: DDHTACGACAAWDDDB



Reverse complement motif

Consensus sequence: BHDWTTTGTCTAHDD



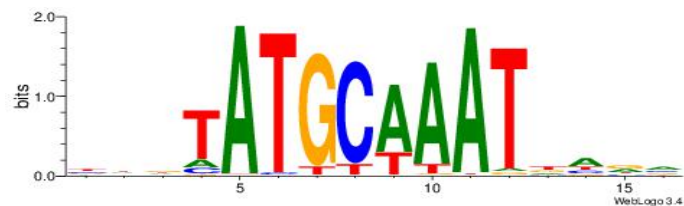
Motif ID: [UP00191](#)
 Motif name: Pou2f2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 1.0174

Alignment:

BHDTATGCAAATDHDV--
--TTTATGGTGAGCAT--

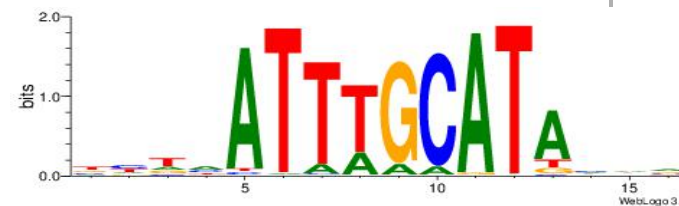
Original motif

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:

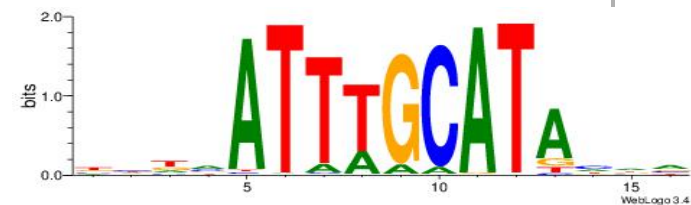
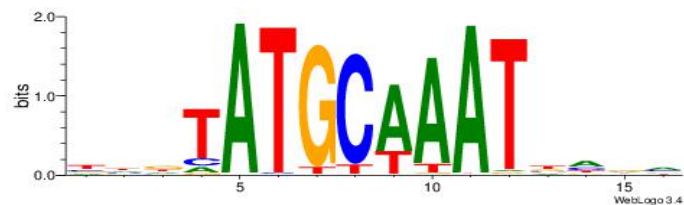
BHDTATGCAAATBHDV--
--TTTATGGTGAGCAT--

Original motif

Consensus sequence: BHDTATGCAAATBHDV

Reverse complement motif

Consensus sequence: BHHDATTTGCATAHHV

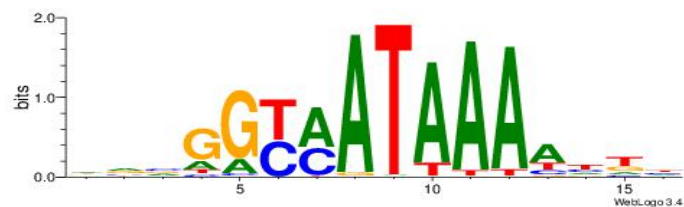


Motif ID: [UP00133](#)
 Motif name: Cdx2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 12
 Similarity score: 1.02211

Alignment:
 --DVVGGYMATAAAAHKH
 ATGCTCACCATAAA----

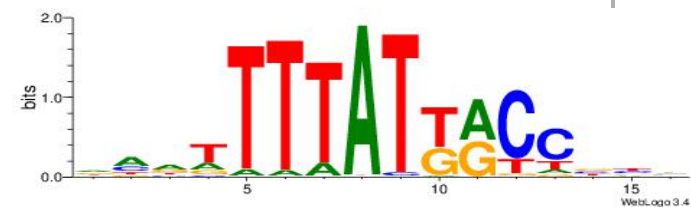
Original motif

Consensus sequence: DVVGGYMATAAAAHKH



Reverse complement motif

Consensus sequence: HRHTTTTATYMCCVBD



Motif ID: [UP00173](#)

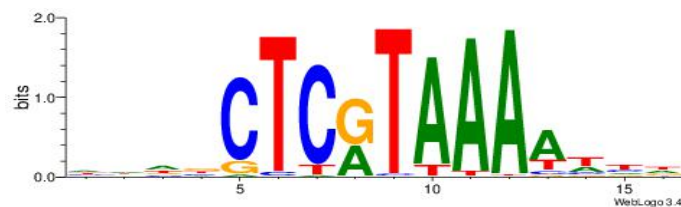
Motif name: Hoxc13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 1.02921

Alignment:

DHWTTTTAMGAGBDHH--
 --ATGCTCACCATAAA--

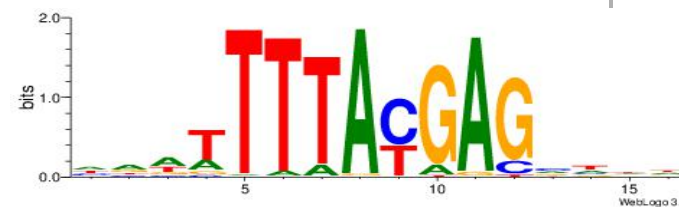
Original motif

Consensus sequence: HHDBCTCRTAAAWHD



Reverse complement motif

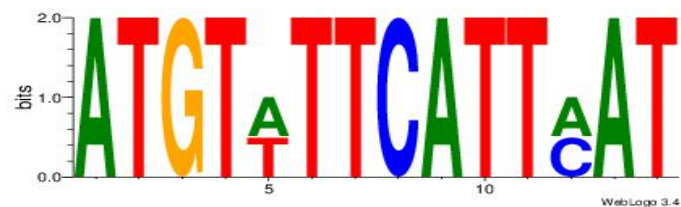
Consensus sequence: DHWTTTTAMGAGBDHH



Dataset #: 1 Motif ID: 23 Motif name: Motif 23

Original motif

Consensus sequence: ATGTWTTTCATTMAT



Reverse complement motif

Consensus sequence: ATYAATGAAWACAT



Best Matches for Motif ID 23 (Highest to Lowest)

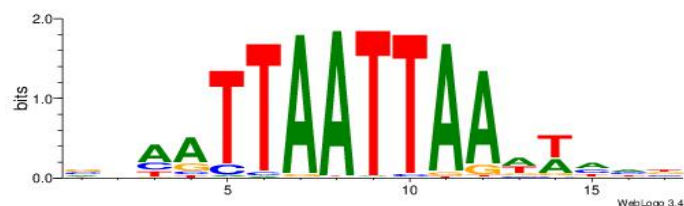
Motif ID: [UP00130](#)
Motif name: Lhx3
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0285638

Alignment:

VDAATTAATTAAWWHB
---ATYAATGAAWACAT

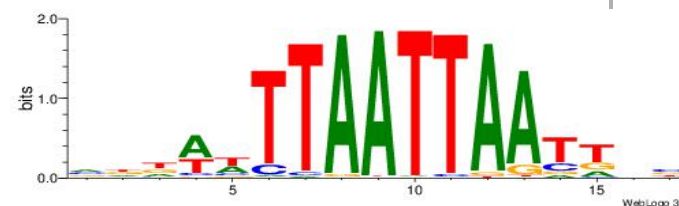
Original motif

Consensus sequence: VDAATTAATTAAWWHB



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:

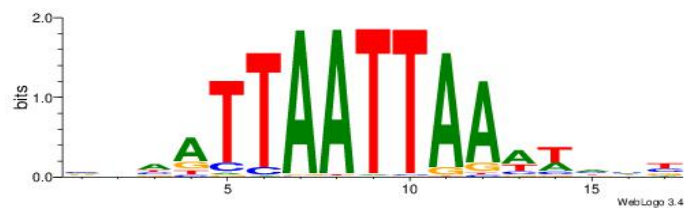
```

VDHATTAATTAAWHHB
---ATYAATGAAWACAT

```

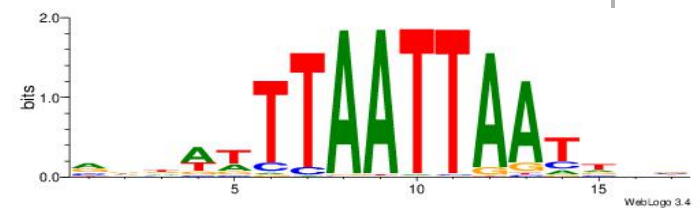
Original motif

Consensus sequence: VDHATTAATTAAWHHB



Reverse complement motif

Consensus sequence: VDHWTTTAAATTAATHHV



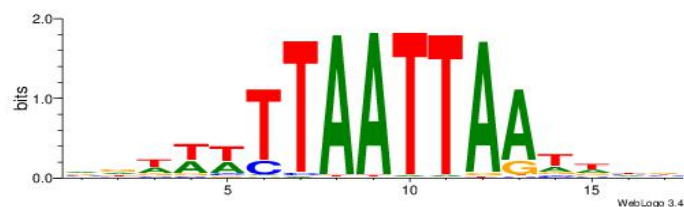
Motif ID:	UP00169
Motif name:	Lmx1b
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0343199

Alignment:

VDWWTTAATTAATDHB
ATGTWTCATTMAT---

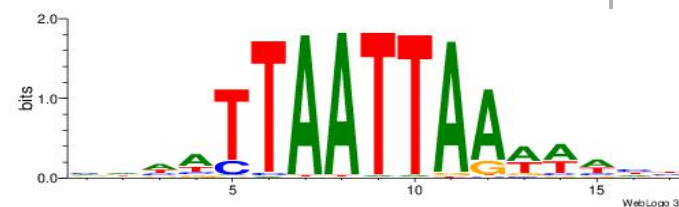
Original motif

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:

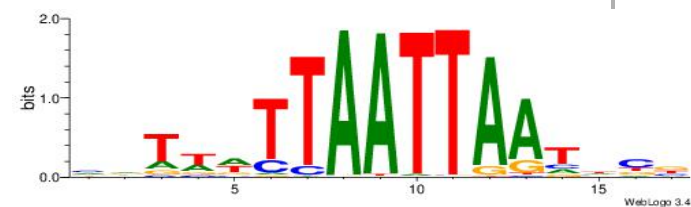
VVDATTAATTAAWWAHB
---ATYAATGAAWACAT

Original motif

Consensus sequence: VVDATTAATTAAWWAHB

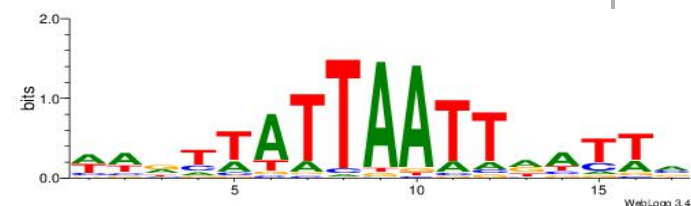
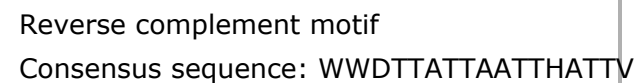
Reverse complement motif

Consensus sequence: BHTWWTTAATTAATDVV



Alignment:
WWDTTATTAATTHATTV
-ATGTWTTCAATMAT--

Consensus sequence: BAATHAATTAATAHWW



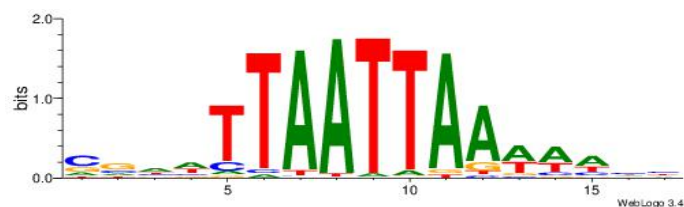
Motif name: Lmx1a
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0375132

Alignment:

CVHHTTAATTAAWWWHB
 ---ATYAATGAAWACAT

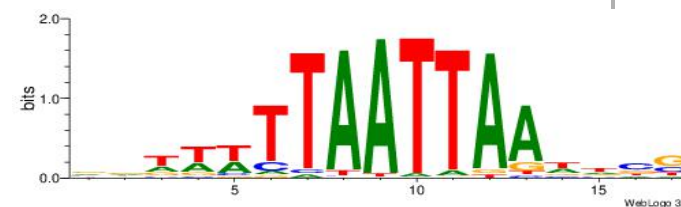
Original motif

Consensus sequence: CVHHTTAATTAAWWWHB



Reverse complement motif

Consensus sequence: BDWWWTTAATTAHHVG



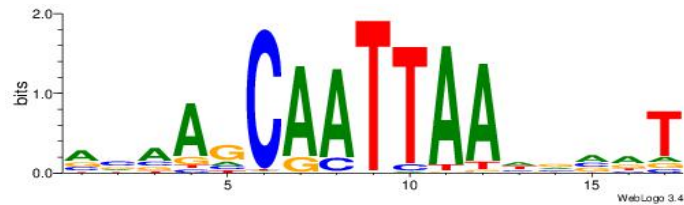
Motif ID: [UP00155](#)
 Motif name: Hmx2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0386004

Alignment:

ADBVHTTAATTGCTTVB
---ATYAATGAAWACAT

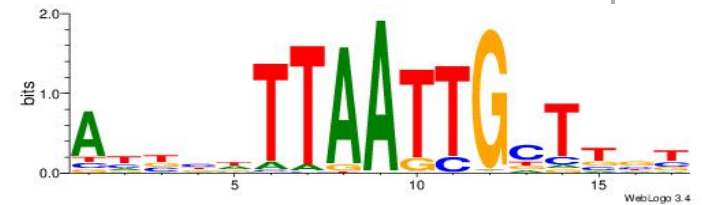
Original motif

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:

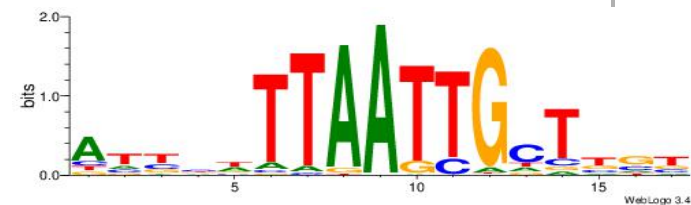
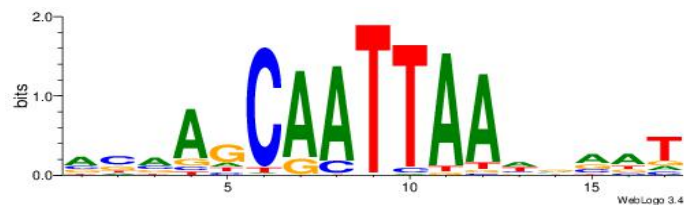
VBVAGCAATTAAHVVD
---ATYAATGAAWACAT

Original motif

Consensus sequence: VBVAGCAATTAAHVVD

Reverse complement motif

Consensus sequence: ATBVHTTAATTGCTBB



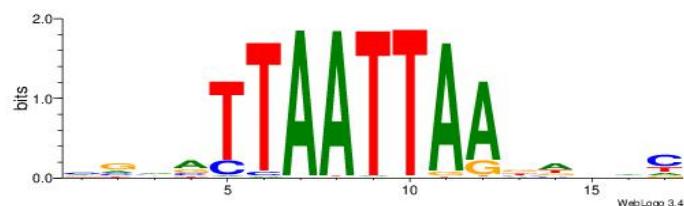
Motif ID: [UP00172](#)
 Motif name: Prop1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0397917

Alignment:

VVVTTAATTAABDDDC
 ---ATYAATGAAWACAT

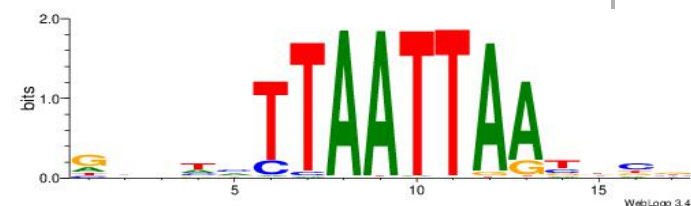
Original motif

Consensus sequence: VVVTTAATTAABDDDC



Reverse complement motif

Consensus sequence: GDDDBTTAATTAABBVV



Motif ID: [UP00237](#)

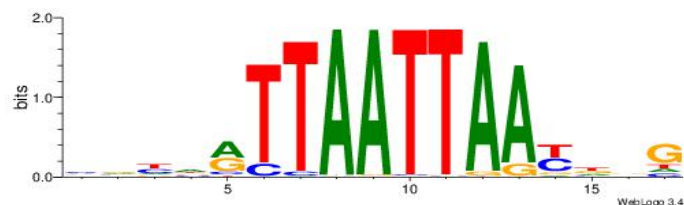
Motif name: Otp
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.041444

Alignment:

CHDMTTAATTAAKDHVV
 ---ATYAATGAAWACAT

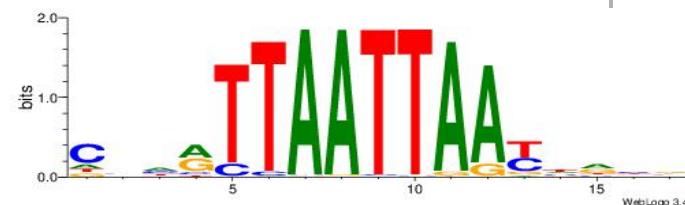
Original motif

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)

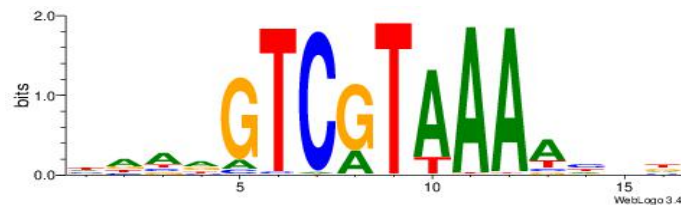
Motif ID: [UP00246](#)
Motif name: Hoxa11
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 11
Similarity score: 0.011591

Alignment:

HDADGTCGTAAAAHDD
-AAAGWCATWAA-----

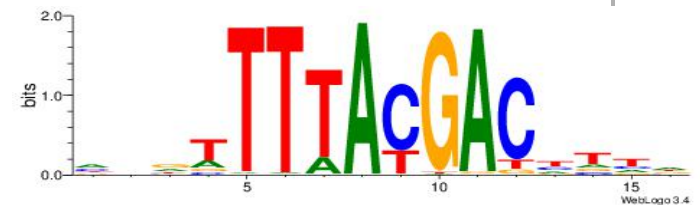
Original motif

Consensus sequence: HDADGTCGTAAAAHDD



Reverse complement motif

Consensus sequence: DDDTTTACGACDTH



Motif ID: [UP00235](#)
Motif name: Hoxc11
Species: Mus musculus
Matching format of first motif: Original Motif

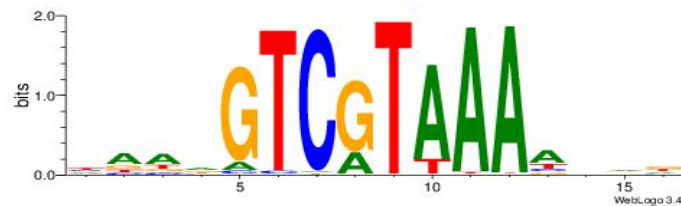
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	11
Similarity score:	0.0124232

Alignment:

```
HAADGTCGTAAAAHDD
-AAAGWCATWAA-----
```

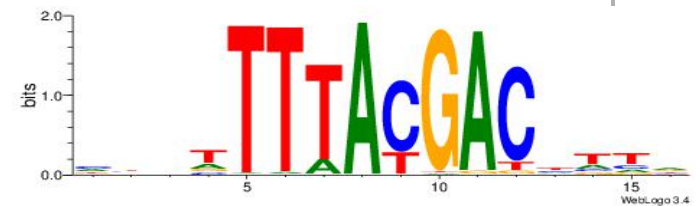
Original motif

Consensus sequence: HAADGTCGTAAAAHDD



Reverse complement motif

Consensus sequence: HDHTTTTACGACDTTH



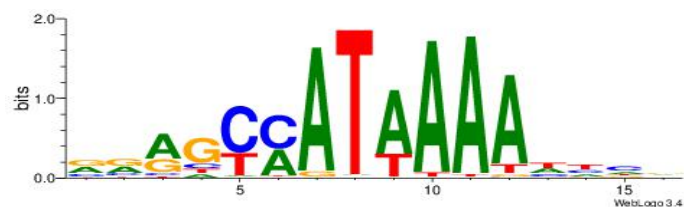
Motif ID:	UP00207
Motif name:	Hoxb9
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	11
Similarity score:	0.0163525

Alignment:

VRRGCMATAAAHHHD
AAAGWCATWAA-----

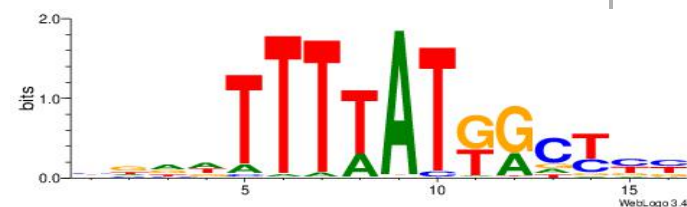
Original motif

Consensus sequence: VRRGCMATAAAHHHD



Reverse complement motif

Consensus sequence: HDHHTTTTATRGCKMV



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:

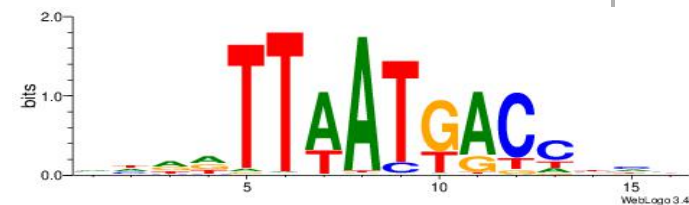
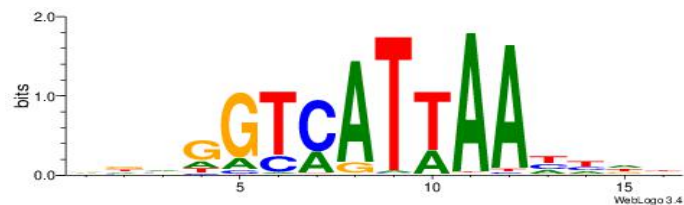
VDHHTTAATGACCBHV
-----TTWATGWCTTT-

Original motif

Consensus sequence: VDVGGTCATTAAHHDB

Reverse complement motif

Consensus sequence: VDHHTTAATGACCBHV

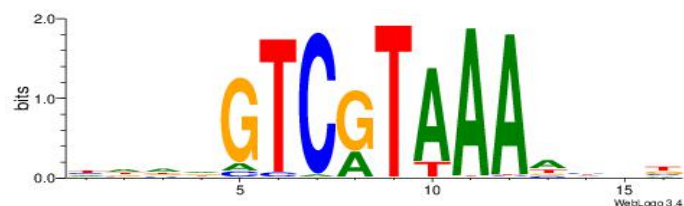


Motif ID: [UP00245](#)
 Motif name: Hoxc10
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.01781

Alignment:
 HDDDGTTCGTAAADHBB
 -AAAGWCATWAA-----

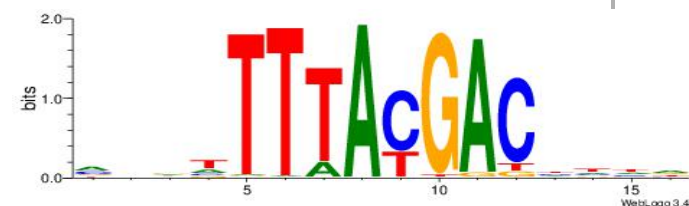
Original motif

Consensus sequence: HDDDGTTCGTAAADHBB



Reverse complement motif

Consensus sequence: VBDDTTTACGACDDDH



Motif ID: [UP00117](#)

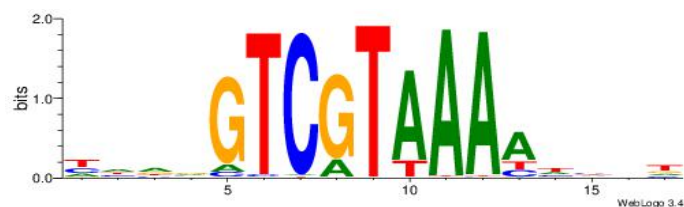
Motif name: Hoxd11
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0206572

Alignment:

HHDVGTCGTAAAAHHHD
 -AAAGWCATWAA-----

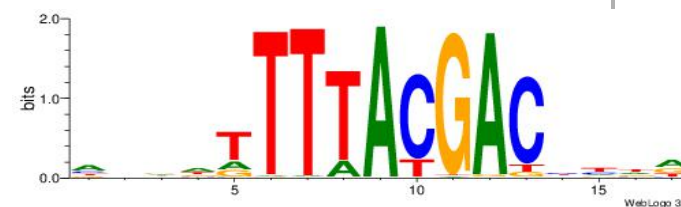
Original motif

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

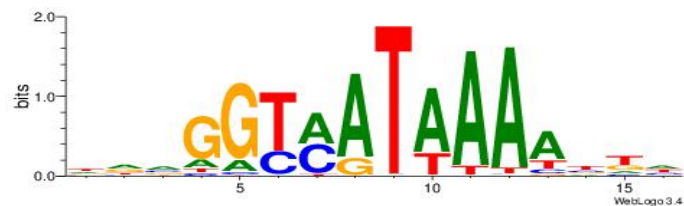
Alignment:

DDVGGTMATAAAAABKH

-AAAGWCATWAA-----

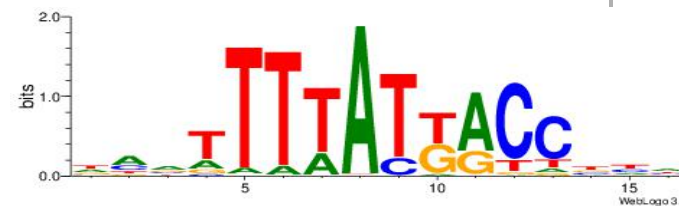
Original motif

Consensus sequence: DDVGGTMATAAAAABKH



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: Backward
Position number: 7
Number of overlap: 11
Similarity score: 0.0241179

Alignment:

DCGGYCATWAAAWTADW

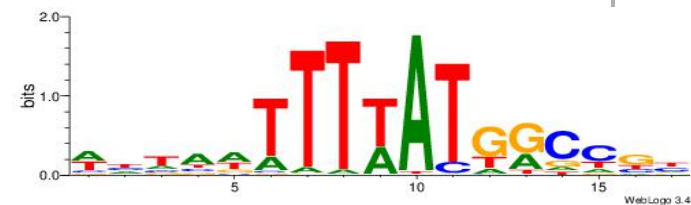
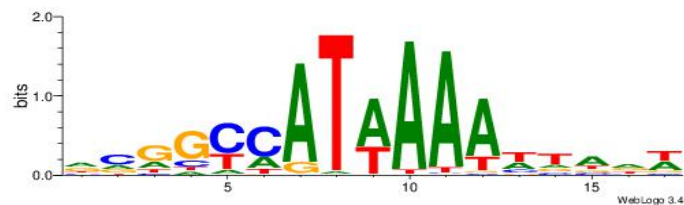
AAAGWCATWAA-----

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

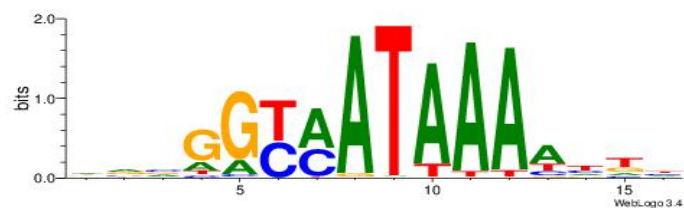
Alignment:

```

DVVGGMATAAAAHKH
-AAAGWCATWAA----
  
```

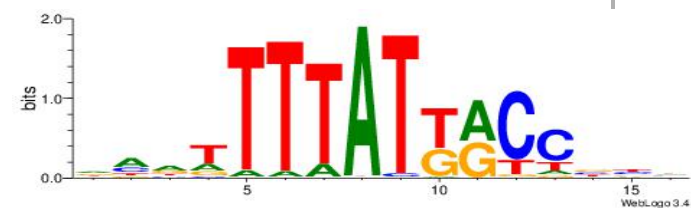
Original motif

Consensus sequence: DVVGGMATAAAAHKH



Reverse complement motif

Consensus sequence: HRHTTTTATYMCCVBD



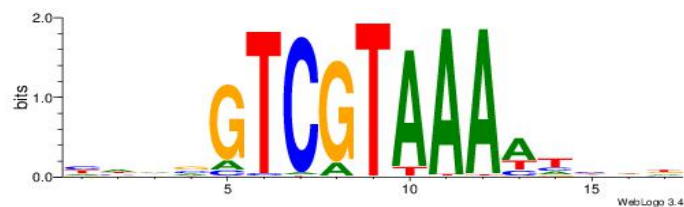
Motif ID: [UP00177](#)
 Motif name: Hoxd12
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0271901

Alignment:

HHDVGTCGTAAAAHHHD
 -AAAGWCATWAA-----

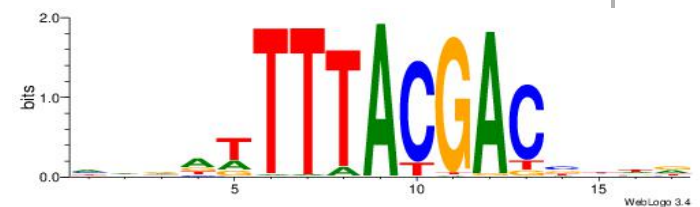
Original motif

Consensus sequence: HHDVGTCGTAAAAHHHD



Reverse complement motif

Consensus sequence: DHDHTTTTACGACVDHD



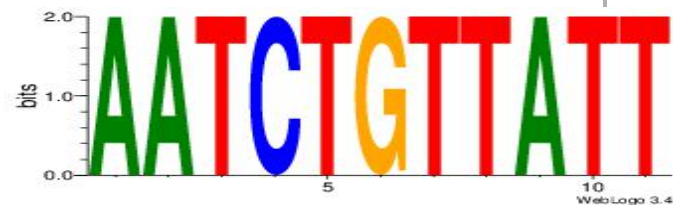
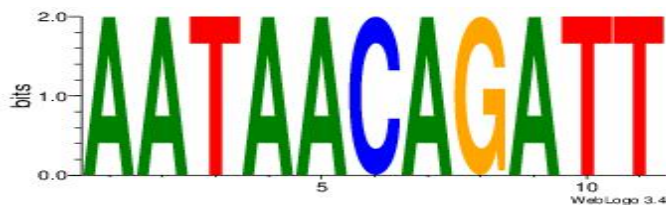
Dataset #: 1 Motif ID: 25 Motif name: Motif 25

Original motif

Consensus sequence: AATAACAGATT

Reverse complement motif

Consensus sequence: AATCTGTTATT



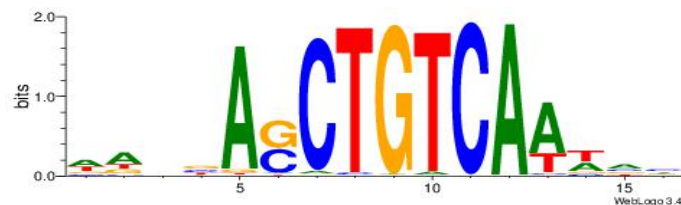
Best Matches for Motif ID 25 (Highest to Lowest)

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--

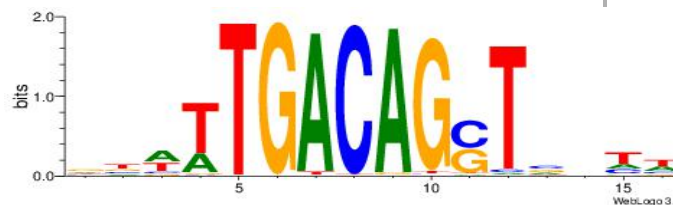
Original motif

Consensus sequence: WAVBASCTGTCAAWVH



Reverse complement motif

Consensus sequence: DBWTTGACAGSTBVTW



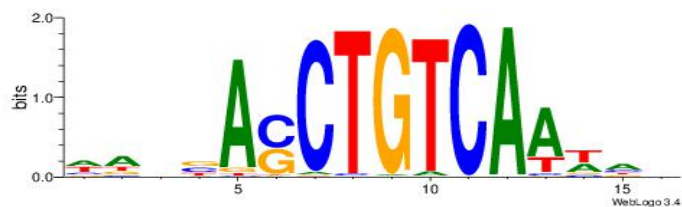
Motif ID: [UP00226](#)
 Motif name: Mrg1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0361504

Alignment:

BHWTTGACAGSTBBTW
 --AATAACAGATT---

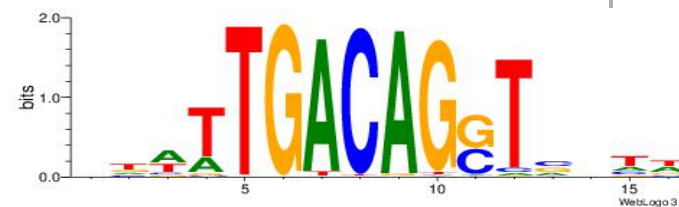
Original motif

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

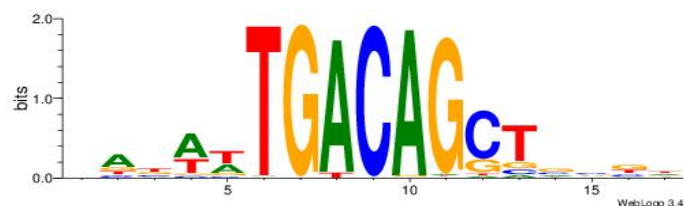
Number of overlap: 11
Similarity score: 0.0367255

Alignment:

DBVVAGCTGTCAWWVTH
---AATCTGTTATT---

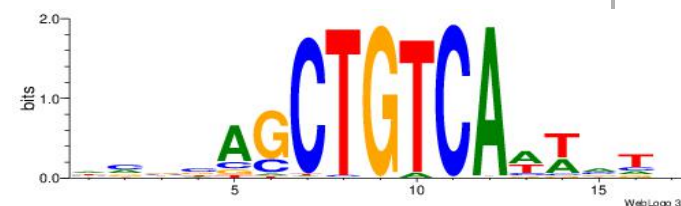
Original motif

Consensus sequence: DABWWTGACAGCTVVB



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



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: 11
Similarity score: 0.0373644

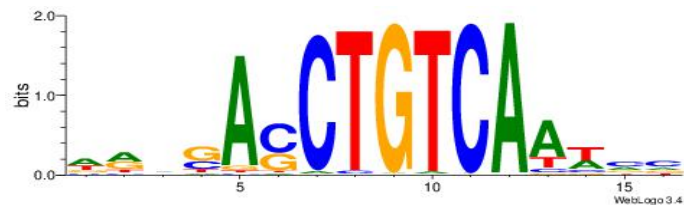
Alignment:

VVWTTGACAGSTSBKD
--AATAACAGATT---

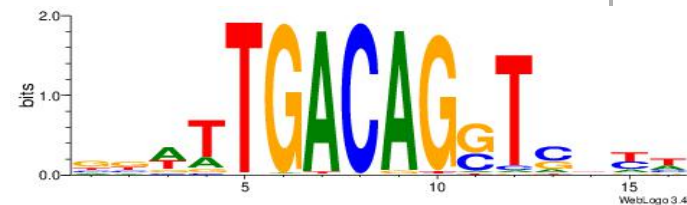
Original motif

Reverse complement motif

Consensus sequence: DRVSASCTGTCAAWVV



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

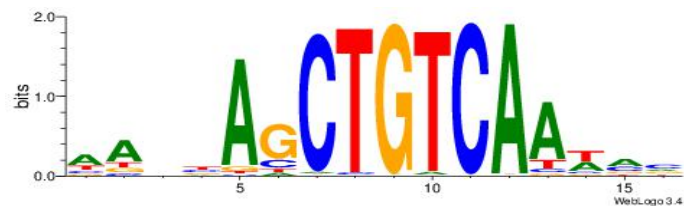
Alignment:

AABBAGCTGTCAAWVV

---AATCTGTTATT---

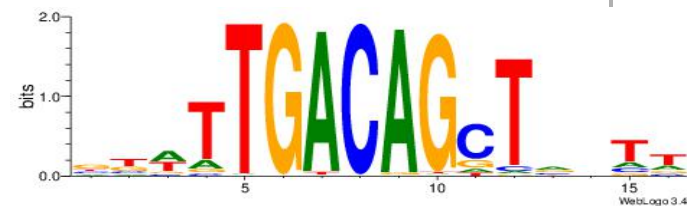
Original motif

Consensus sequence: AABBAGCTGTCAAWVV



Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT



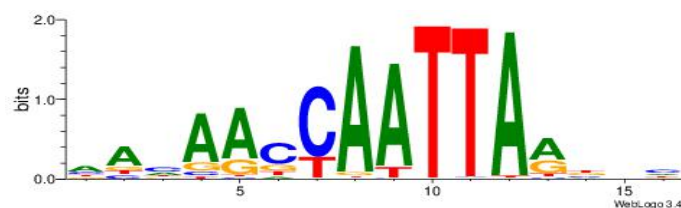
Motif ID: [UP00166](#)
 Motif name: Barhl1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0408157

Alignment:

DDVKTAAATTGGTTDTH
 -----AATCTGTTATT

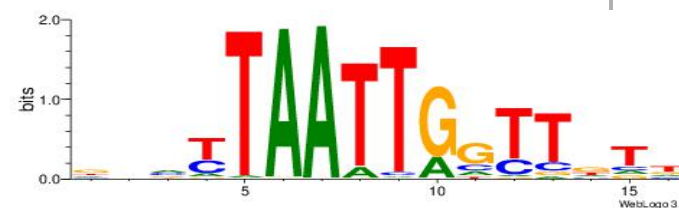
Original motif

Consensus sequence: HAHAACCAATTARBDH



Reverse complement motif

Consensus sequence: DDVKTAAATTGGTTDTH



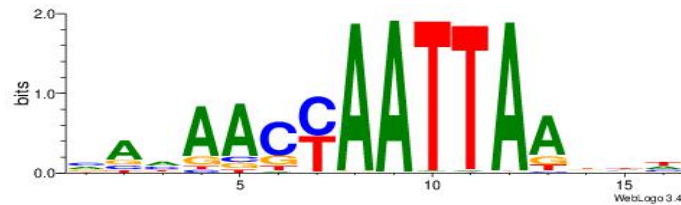
Motif ID: [UP00171](#)
 Motif name: Msx3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.040907

Alignment:

```
HHVTTAATTKGTTHTV
-----AATCTGTTATT
```

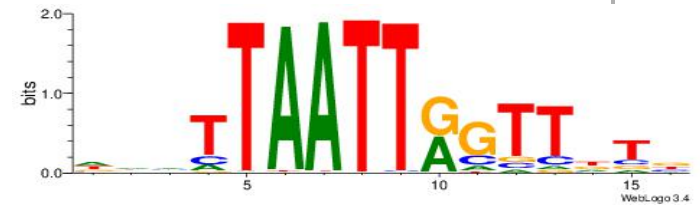
Original motif

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:

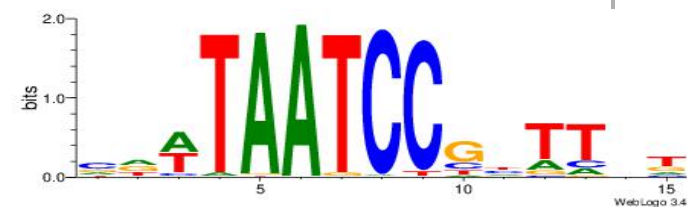
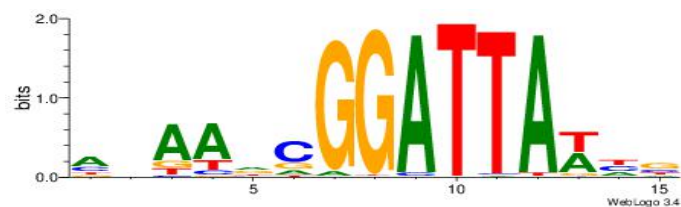
```
AHAADCGGATTAWHB
AATAACAGATT----
```

Original motif

Consensus sequence: AHAADCGGATTAWHB

Reverse complement motif

Consensus sequence: BHWTAAATCCGDTTHT

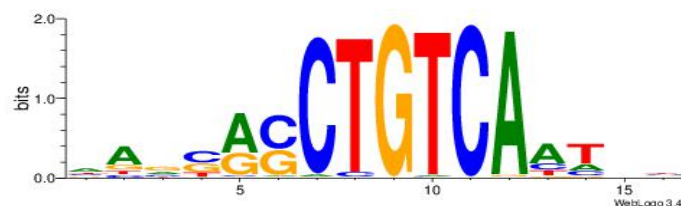


Motif ID: [UP00205](#)
 Motif name: Pknox2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0430579

Alignment:
 VHATTGACAGSKSVTH
 --AATAACAGATT---

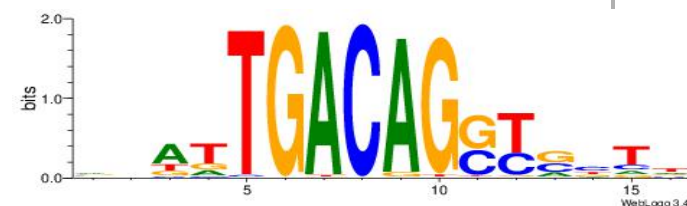
Original motif

Consensus sequence: HAVSRCTGTCAATHB



Reverse complement motif

Consensus sequence: VHATTGACAGSKSVTH



Motif ID: [UP00081](#)

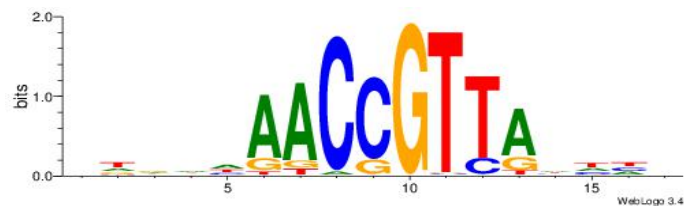
Motif name: Mybl1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0431149

Alignment:

HDDDHAACCGTTAHHHD
 ----AATCTGTTATT--

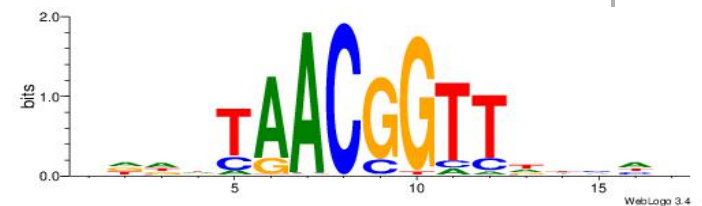
Original motif

Consensus sequence: HDDDHAACCGTTAHHHD



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)

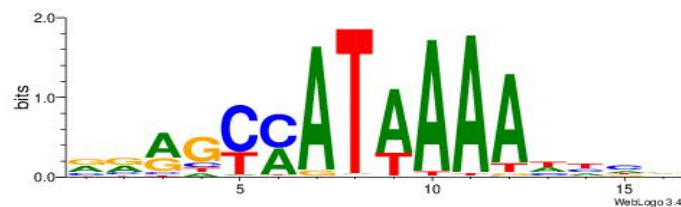
Motif ID: [UP00207](#)
 Motif name: Hoxb9
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.030167

Alignment:

HDHHTTTTATRGCKMV
 -----ATWAAAACAG

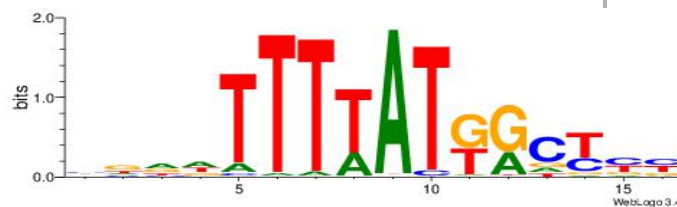
Original motif

Consensus sequence: VRRGCMATAAAHHHD



Reverse complement motif

Consensus sequence: HDHHTTTTATRGCKMV



Motif ID: [UP00213](#)

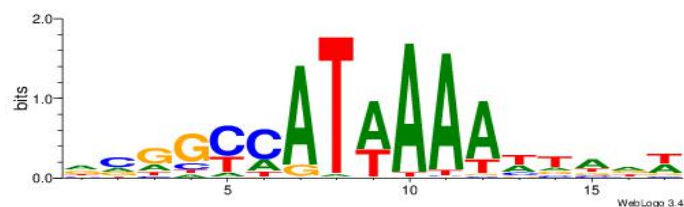
Motif name: Hoxa9
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0323471

Alignment:

DCGGYCATWAAAWTADW
 -----ATWAAAACAG-

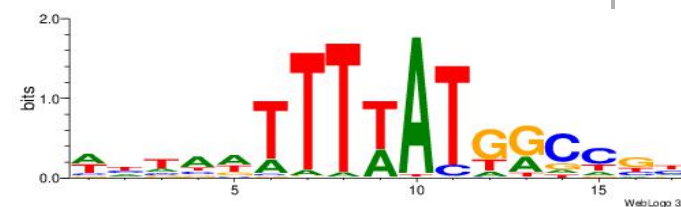
Original motif

Consensus sequence: DCGGYCATWAAAWTADW



Reverse complement motif

Consensus sequence: WDTAWTTTWATGKCCGD



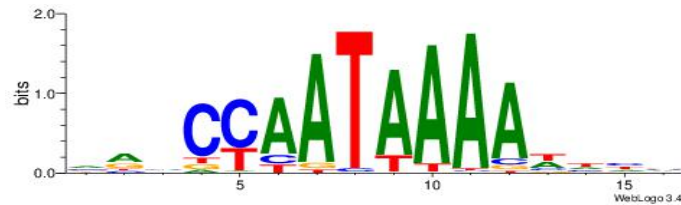
Motif ID: [UP00134](#)
 Motif name: Hoxb13
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0362663

Alignment:

VRHCCAATAAAWHHV
CTGTTTWTAT-----

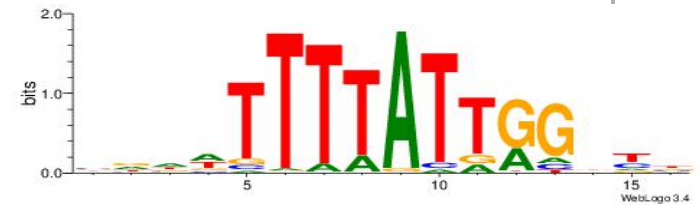
Original motif

Consensus sequence: VRHCCAATAAAWHHV



Reverse complement motif

Consensus sequence: VDHWTTTATTGGDKB



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:

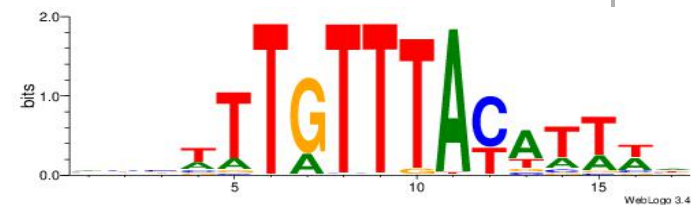
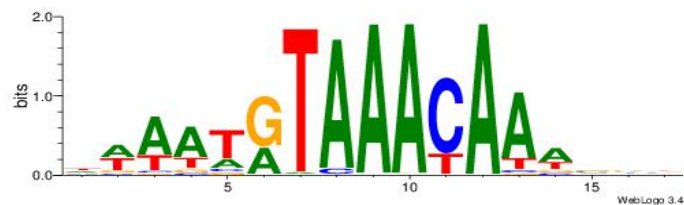
VVVWTTGTTTAMATTWD
-----CTGTTTWTAT---

Original motif

Consensus sequence: DWAATRTAAACAAWVVB

Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD

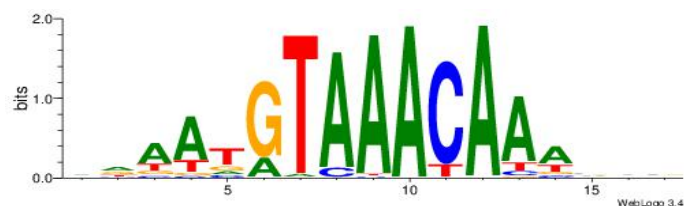


Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0386784

Alignment:
 BBVTTTGTTTACATTDD
 ----CTGTTTTWAT---

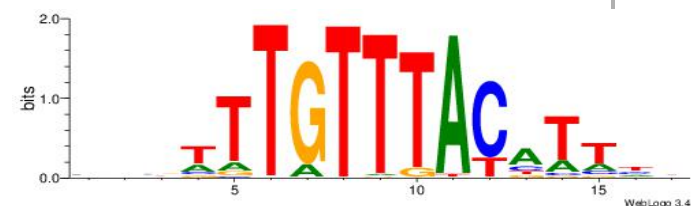
Original motif

Consensus sequence: DDAATGTAAACAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD



Motif ID: [UP00180](#)

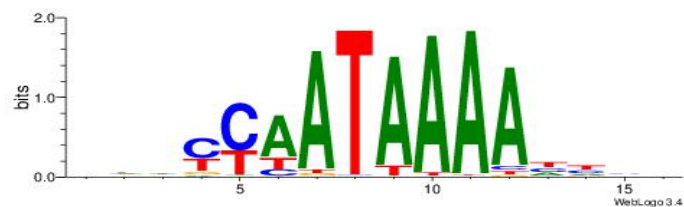
Motif name: Hoxd13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0390272

Alignment:

HDHHTTTTATTKKHDD
 -----ATWAAAACAG

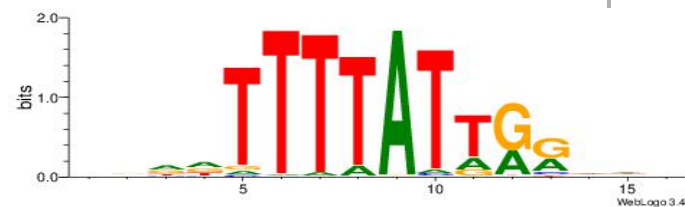
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD



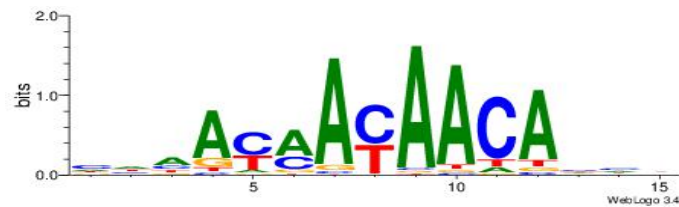
Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0396761

Alignment:

HDDTGTTKTTKTHHD
--CTGTTTTWAT---

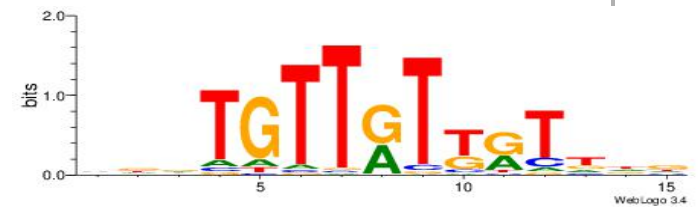
Original motif

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:

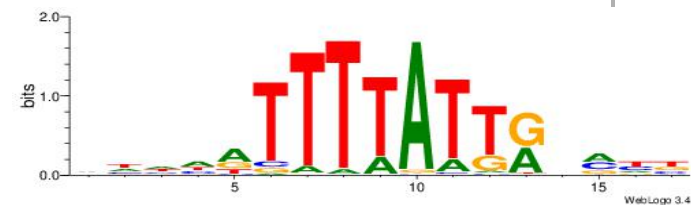
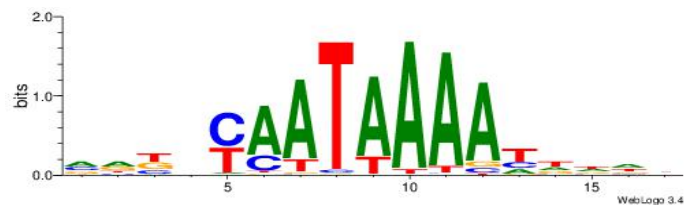
HDDDATTTTATTKVRDB
-CTGTTTTWAT-----

Original motif

Consensus sequence: VDKVYAATAAAATDDDH

Reverse complement motif

Consensus sequence: HDDDATTTTATTKVRDB

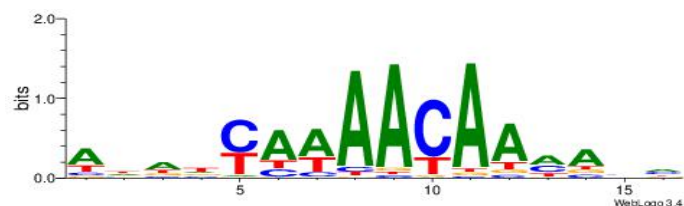


Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0451436

Alignment:
 ADDDYAWAACAAMAHH
 --ATWAAAACAG----

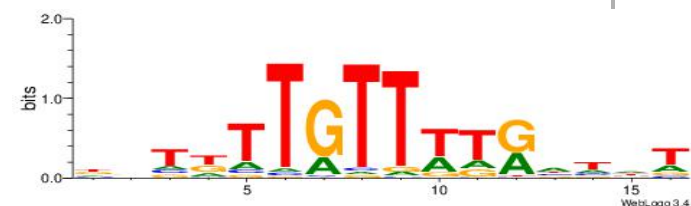
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



Motif ID: [UP00101](#)

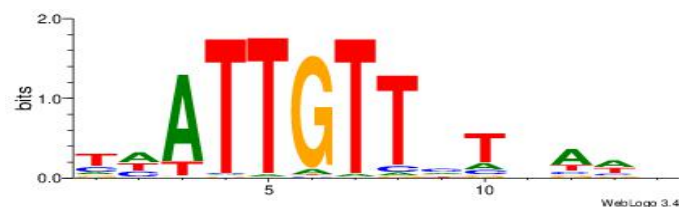
Motif name: Sox12_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0452358

Alignment:

DWTHAVAACAATHA
 -ATWAAAACAG---

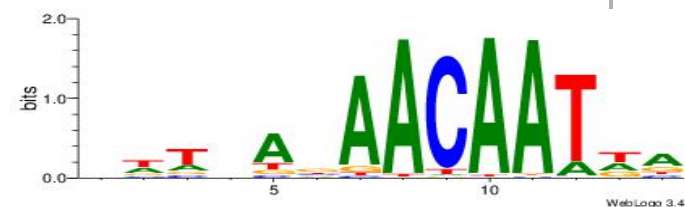
Original motif

Consensus sequence: THATTGTTVTHAWH



Reverse complement motif

Consensus sequence: DWTHAVAACAATHA



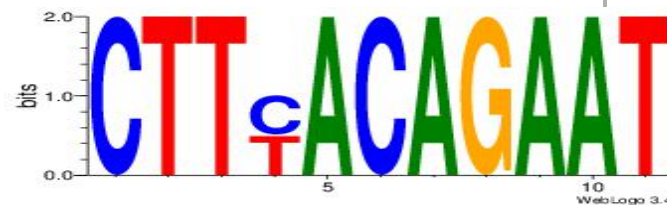
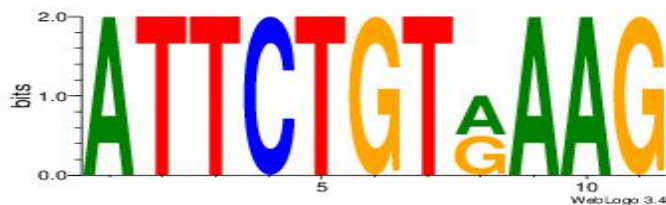
Dataset #: 1 Motif ID: 27 Motif name: Motif 27

Original motif

Consensus sequence: ATTCTGTRAAG

Reverse complement motif

Consensus sequence: CTTKACAGAAT



Best Matches for Motif ID 27 (Highest to Lowest)

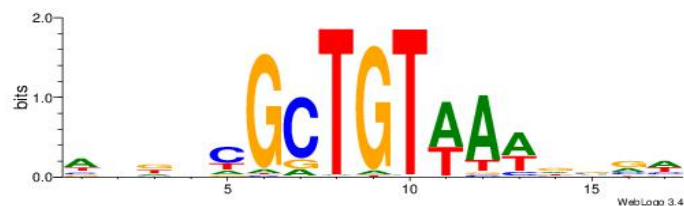
Motif ID: [UP00193](#)
 Motif name: Rhox11_2205.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.022933

Alignment:

AVDHCGCTGTWAWDVVW
 ---ATTCTGTRAAG---

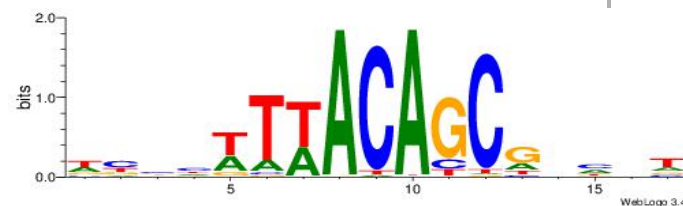
Original motif

Consensus sequence: AVDHCGCTGTWAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGHHVT



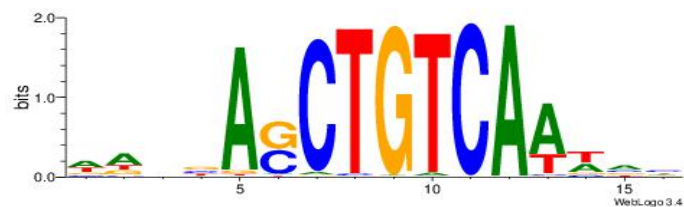
Motif ID: [UP00186](#)
 Motif name: Meis1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0231555

Alignment:

DBWTTGACAGSTBVTW
 --CTTKACAGAAT---

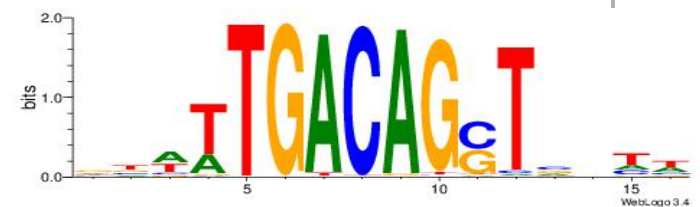
Original motif

Consensus sequence: WAVBASCTGTCAAWVH



Reverse complement motif

Consensus sequence: DBWTTGACAGSTBVTW

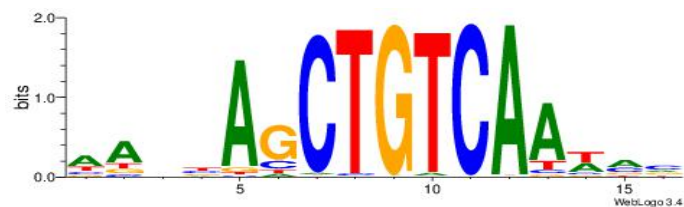


Motif ID: [UP00258](#)
 Motif name: Tgif2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3

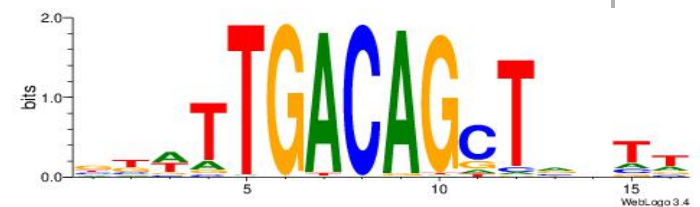
Alignment:

```
VBWTTGACAGCTVBTT
--CTTKACAGAAT---
```

Consensus sequence: AAB BAGCTGTCAAWV



Consensus sequence: VBWTTGACAGCTVBTT

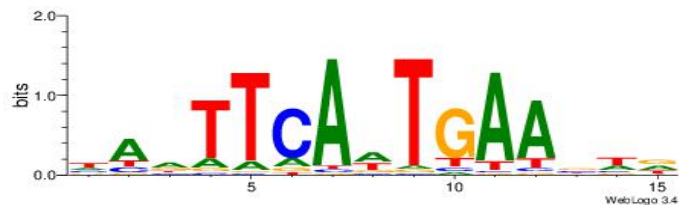


Alignment:

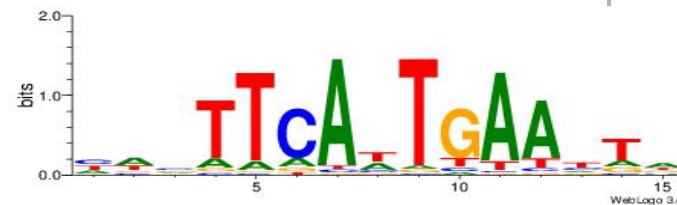
```
HADTTCAWTGAABWD
--ATTCTGTRAAG--
```

Reverse complement motif

Consensus sequence: HADTTCAWTGAABWD



Consensus sequence: HWBTTCAWTGAADTH



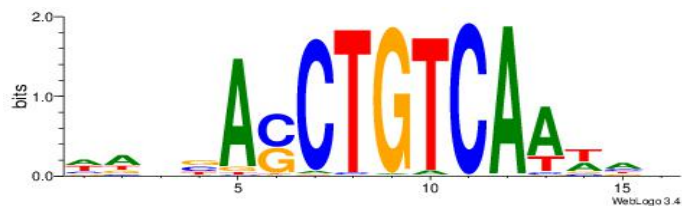
Motif ID: [UP00226](#)
Motif name: Mrg1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0239764

Alignment:

BHWTTGACAGSTBBTW
--CTTKACAGAAT---

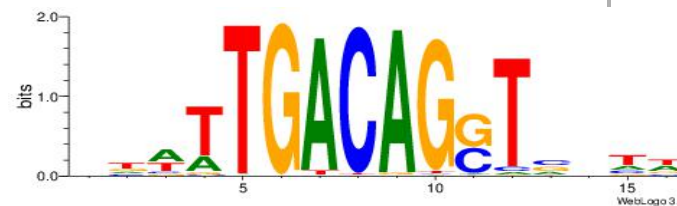
Original motif

Consensus sequence: WAVBASCTGTCAAWHB



Reverse complement motif

Consensus sequence: BHWTTGACAGSTBBTW



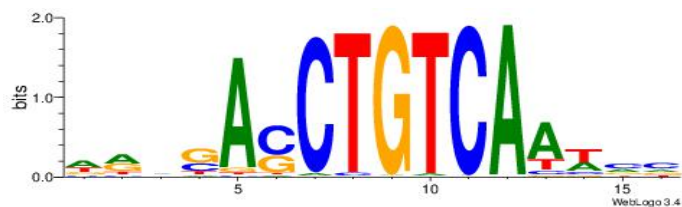
Motif ID: [UP00203](#)
 Motif name: Pknx1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.025386

Alignment:

VVWTTGACAGSTSBKD
 --CTTKACAGAAT---

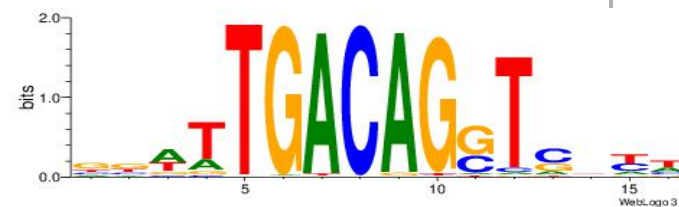
Original motif

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

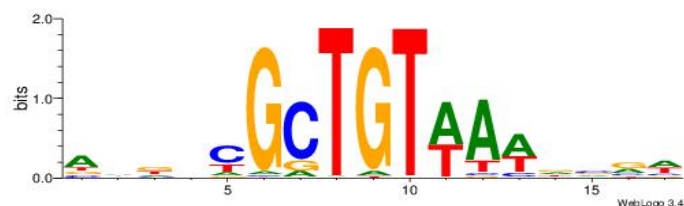
Number of overlap: 11
Similarity score: 0.0259448

Alignment:

AVDVCGCTGTWAWDVVW
---ATTCTGTRAAG---

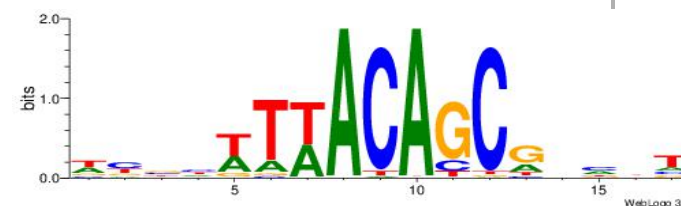
Original motif

Consensus sequence: AVDVCGCTGTWAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGBHBT



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

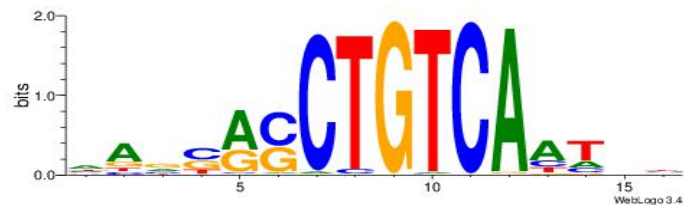
Alignment:

VHATTGACAGSKSVTH
--CTTKACAGAAT---

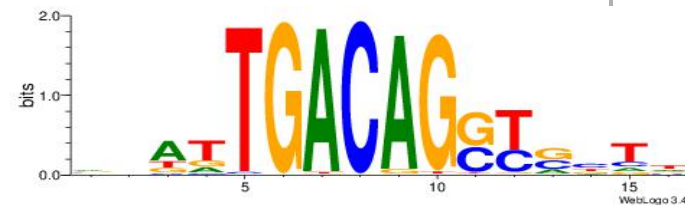
Original motif

Reverse complement motif

Consensus sequence: HAVSRCTGTCAATHB



Consensus sequence: VHATTGACAGSKSVTH



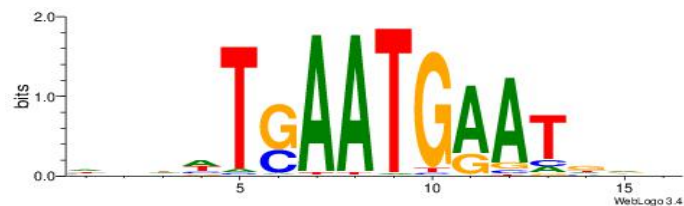
Motif ID: [UP00055](#)
Motif name: Hbp1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0287967

Alignment:

HHDWTSATGAATDDB
--CTTKACAGAAT---

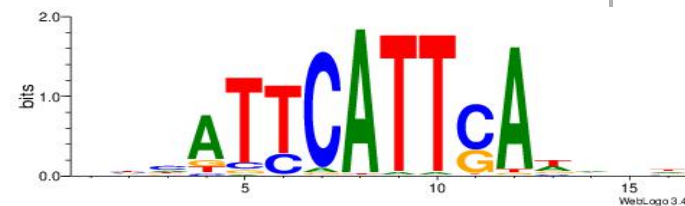
Original motif

Consensus sequence: HHDWTSATGAATDDB



Reverse complement motif

Consensus sequence: VDHATTCATTSAWDDH



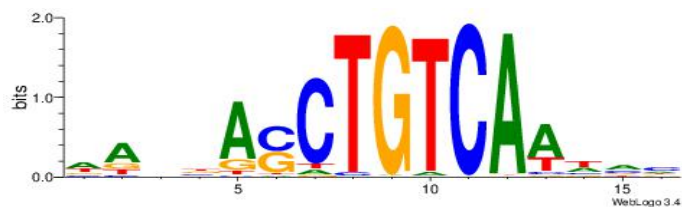
Motif ID: [UP00210](#)
 Motif name: Mrg2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0289027

Alignment:

DBHTTGACAGSTVDTD
 --CTTKACAGAAT--

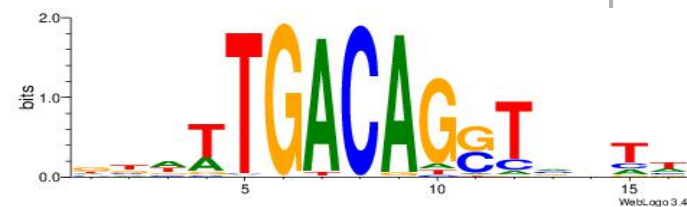
Original motif

Consensus sequence: DADBASCTGTCAAHVH



Reverse complement motif

Consensus sequence: DBHTTGACAGSTVDTD



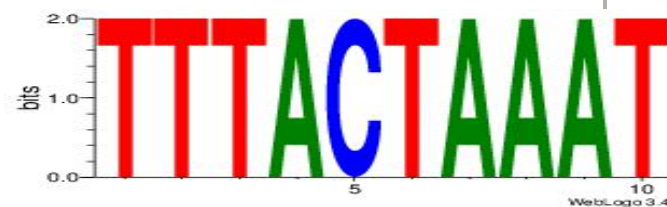
Dataset #: 1 Motif ID: 28 Motif name: Motif 28

Original motif

Consensus sequence: ATTTAGTAAA

Reverse complement motif

Consensus sequence: TTTACTAAAT



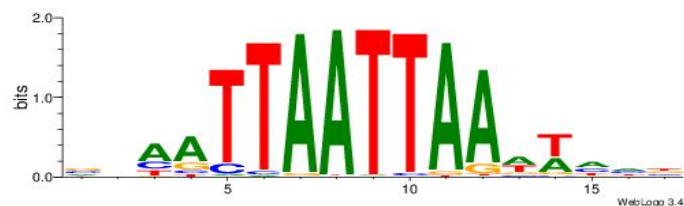
Best Matches for Motif ID 28 (Highest to Lowest)

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:
 VHHWTTAATTAATTDV
 ----TTTACTAAAT----

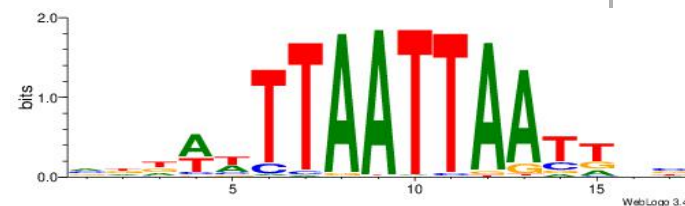
Original motif

Consensus sequence: VDAATTAATTAAWWHHB



Reverse complement motif

Consensus sequence: VHHWTTAATTAATTDV



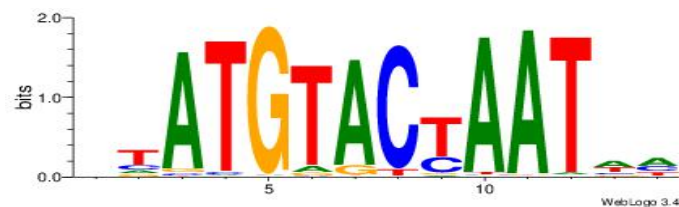
Motif ID: [UP00082](#)
 Motif name: Zfp187_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.00275365

Alignment:

HWATTAGTACATAV
 -ATTTAGTAAA---

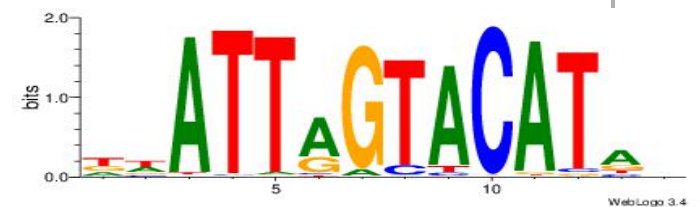
Original motif

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: Backward
 Position number: 4

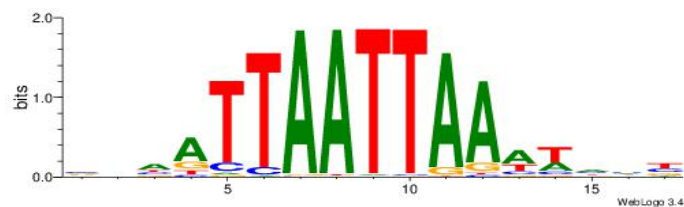
Number of overlap: 10
Similarity score: 0.00285069

Alignment:

VDHWTTTAATTAATHHV
----TTTACTAAAT---

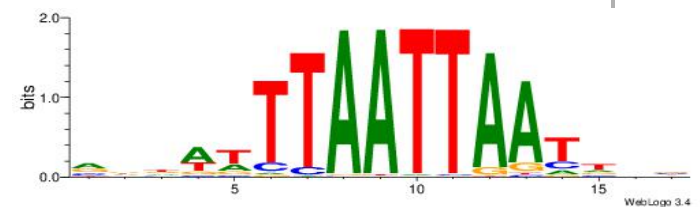
Original motif

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

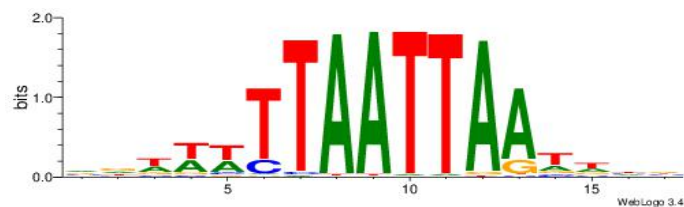
Alignment:

BHDATTAATTAAWWHHB
---ATTAGTAAA---

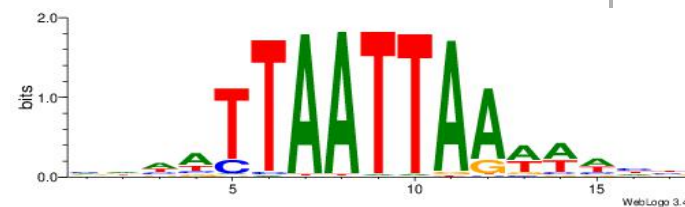
Original motif

Reverse complement motif

Consensus sequence: VDWWTTAATTAATDHB



Consensus sequence: BHDATTAATTAAWWWHB



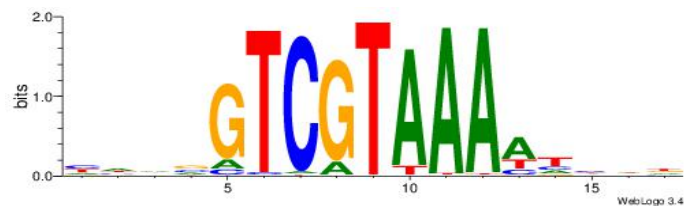
Motif ID: [UP00177](#)
Motif name: Hoxd12
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 10
Similarity score: 0.00747245

Alignment:

```
DHDHTTTTACGACVDHD  
-----TTTACTAAAT--
```

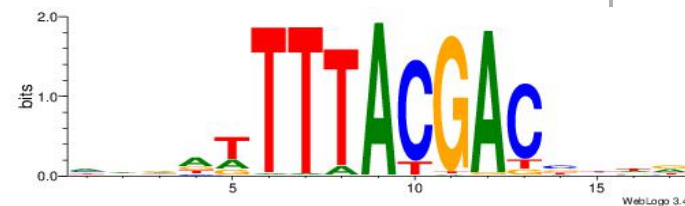
Original motif

Consensus sequence: HHDVGTCGTAAAHHHD



Reverse complement motif

Consensus sequence: DHDHTTTTACGACVDHD



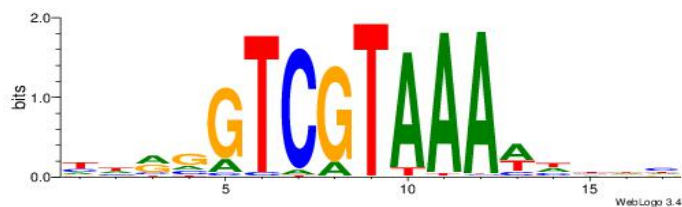
Motif ID: [UP00135](#)
 Motif name: Hoxc12
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0076403

Alignment:

DDVHWTTTACGACCKHH
 -----TTTACTAAAT--

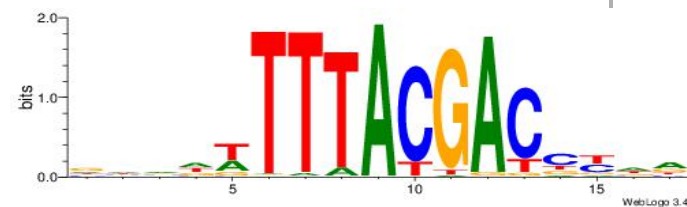
Original motif

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

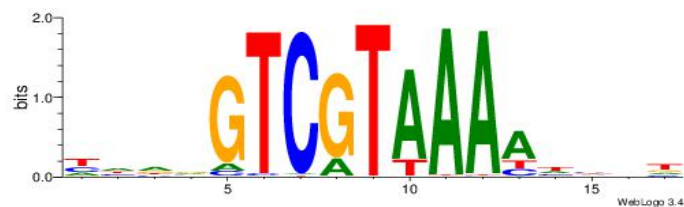
Number of overlap: 10
Similarity score: 0.00864633

Alignment:

DDDHTTTTACGACVDHH
-----TTTACTAAAT--

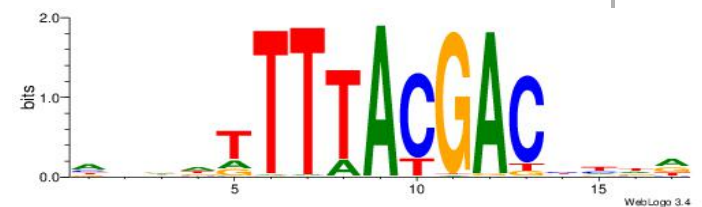
Original motif

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: Forward
Position number: 4
Number of overlap: 10
Similarity score: 0.0100967

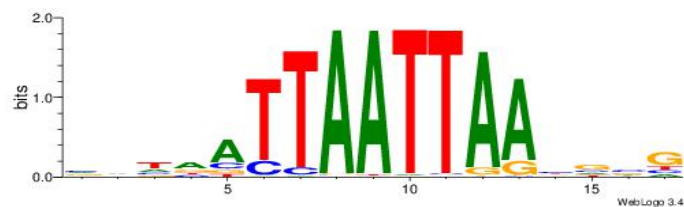
Alignment:

CVVBTTAATTAATDHDV
---TTTACTAAAT----

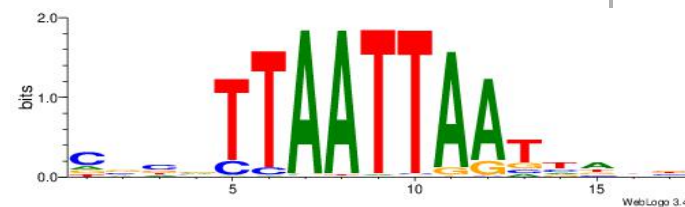
Original motif

Reverse complement motif

Consensus sequence: VDHDATTAATTAABVVG



Consensus sequence: CVVBTTAATTAATDHDV



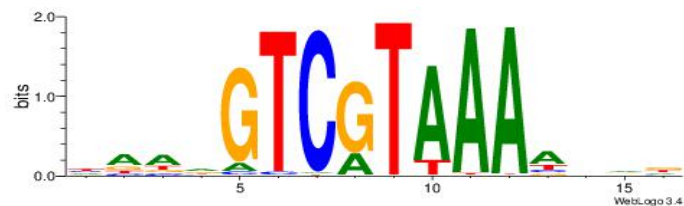
Motif ID: [UP00235](#)
Motif name: Hoxc11
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 10
Similarity score: 0.010176

Alignment:

```
HDHTTTTACGACDTTH  
----TTTACTAAAT--
```

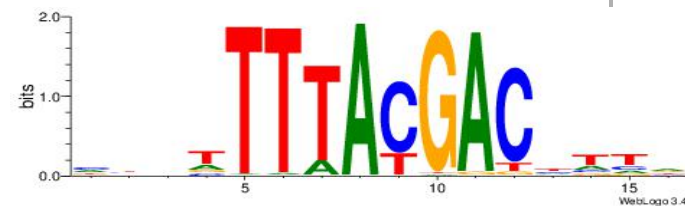
Original motif

Consensus sequence: HAADGTCGTAAAHDD



Reverse complement motif

Consensus sequence: HDHTTTTACGACDTTH



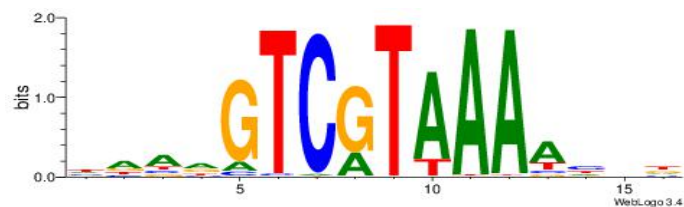
Motif ID: [UP00246](#)
 Motif name: Hoxa11
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0105914

Alignment:

DDDTTTACGACDTH
 ----TTACTAAAT--

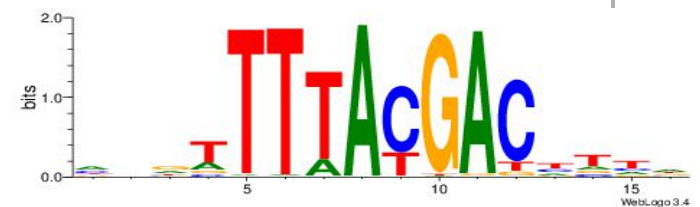
Original motif

Consensus sequence: HDADGTCGTAAAHDD



Reverse complement motif

Consensus sequence: DDDTTTACGACDTH



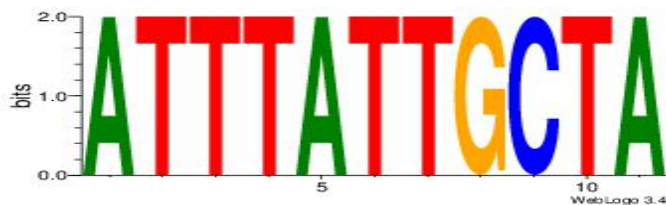
Dataset #: 1 Motif ID: 29 Motif name: Motif 29

Original motif

Consensus sequence: ATTTATTGCTA

Reverse complement motif

Consensus sequence: TAGCAATAAAT



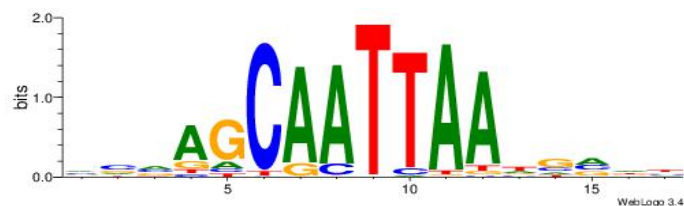
Best Matches for Motif ID 29 (Highest to Lowest)

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----

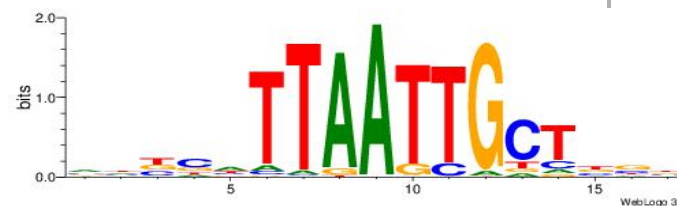
Original motif

Consensus sequence: VVVAGCAATTAADGVDB



Reverse complement motif

Consensus sequence: VDBCDDTAATTGCTBVB



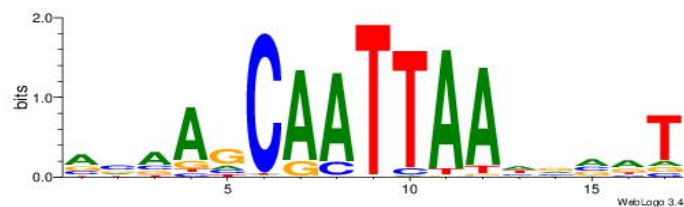
Motif ID: [UP00155](#)
 Motif name: Hmx2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.00544084

Alignment:

VVAAGCAATTAAHVVD
 --TAGCAATAAAT----

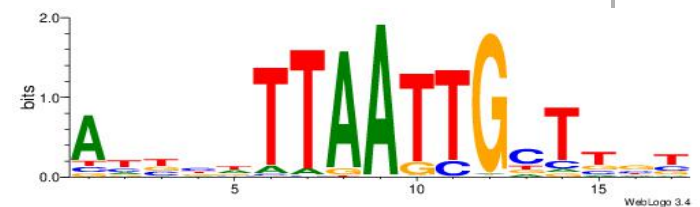
Original motif

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: 3

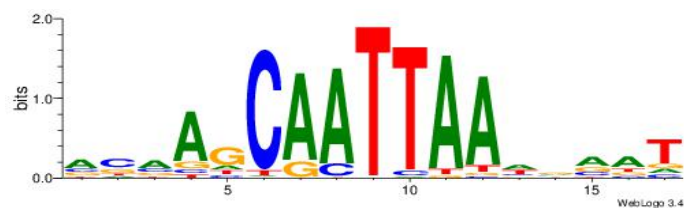
Number of overlap: 11
Similarity score: 0.00624569

Alignment:

VBVAGCAATTAAHV VAT
--TAGCAATAAAT----

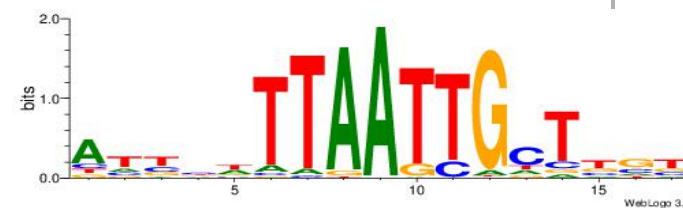
Original motif

Consensus sequence: VBVAGCAATTAAHV VAT



Reverse complement motif

Consensus sequence: ATBVHTTAATTGCTBBB



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

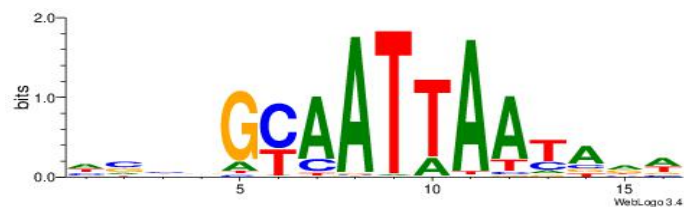
Alignment:

HVBDGYAATTAATADW
--TAGCAATAAAT---

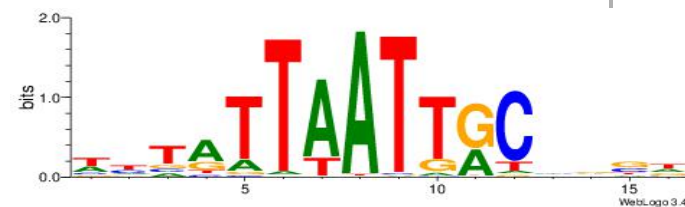
Original motif

Reverse complement motif

Consensus sequence: HVBDGYAATTAATADW



Consensus sequence: WDTATTAATTKCHBVH



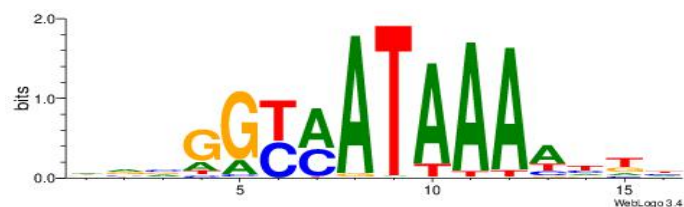
Motif ID: [UP00133](#)
Motif name: Cdx2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0101377

Alignment:

DVVGGMATAAAHKH
--TAGCAATAAAT---

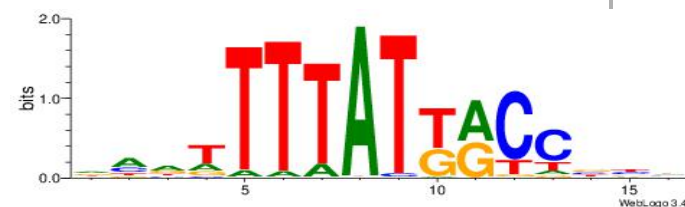
Original motif

Consensus sequence: DVVGGMATAAAHKH



Reverse complement motif

Consensus sequence: HRHTTTTATYMCCVBD



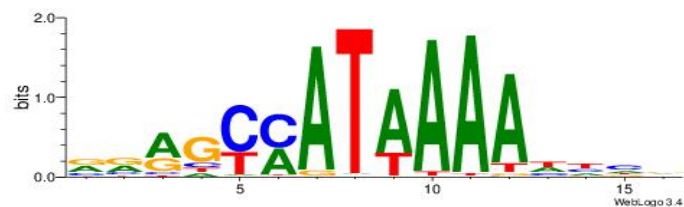
Motif ID: [UP00207](#)
 Motif name: Hoxb9
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0107409

Alignment:

VRRGCMATAAAHHHD
 -TAGCAATAAAT-----

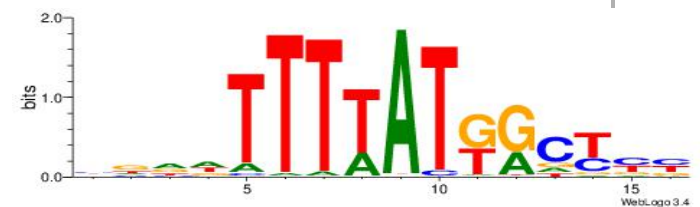
Original motif

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: Forward
 Position number: 4

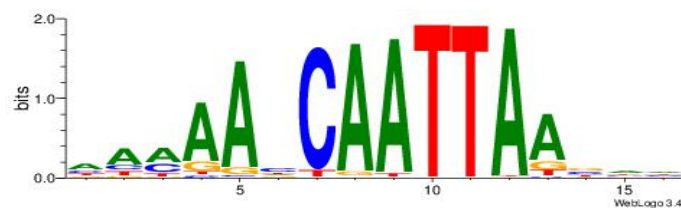
Number of overlap: 11
Similarity score: 0.0138179

Alignment:

HAMAAHCAATTAABHH
---TAGCAATAAAT---

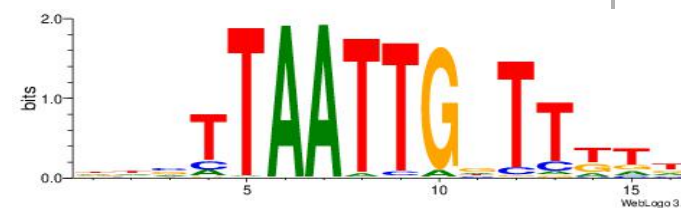
Original motif

Consensus sequence: HAMAAHCAATTAABHH



Reverse complement motif

Consensus sequence: HHBTTAATTGDDTTYTH



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

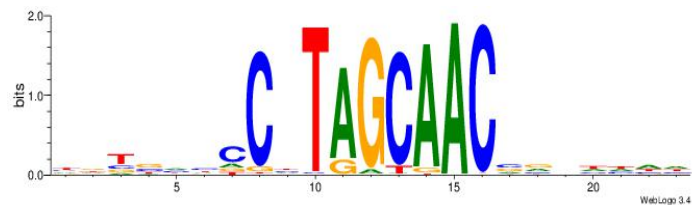
Alignment:

HDTBHHCCHTAGCAACVVDHHHH
-----TAGCAATAAAT---

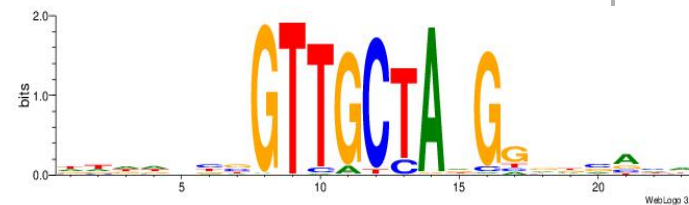
Original motif

Reverse complement motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH



Consensus sequence: HHHHDVVGTGCTAHGGDHBAAH



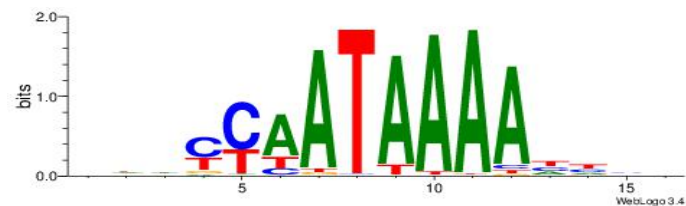
Motif ID: [UP00180](#)
Motif name: Hoxd13
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.01435

Alignment:

```
HDHHTTTTATTKKHDD  
----ATTATGCTA--
```

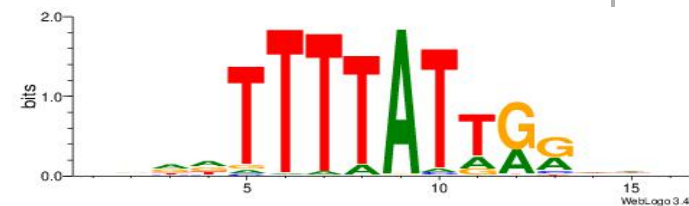
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD



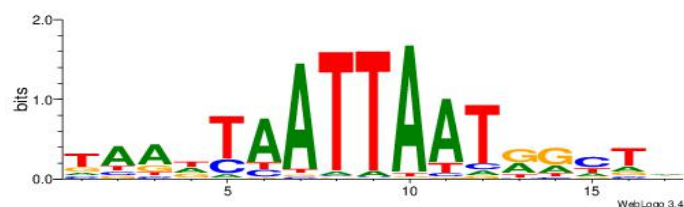
Motif ID: [UP00168](#)
 Motif name: Hoxd8
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0169109

Alignment:

HADCMATTAATTADTTA
 TAGCAATAAAT-----

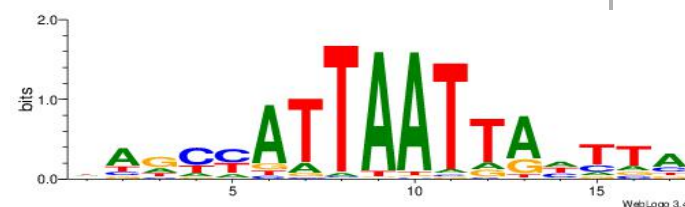
Original motif

Consensus sequence: TAADTAATTAATRGHTH



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)

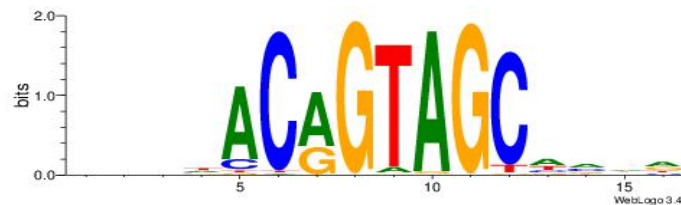
Motif ID: [UP00027](#)
Motif name: Osr1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.00770725

Alignment:

DHBHGCTACKGTHDHH
--TTGCTGCTTTT---

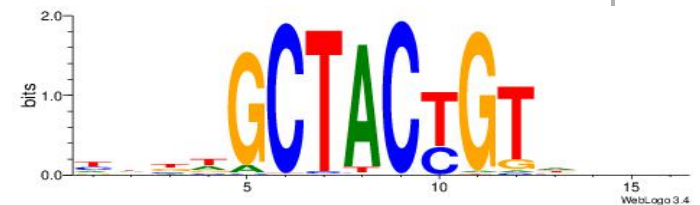
Original motif

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



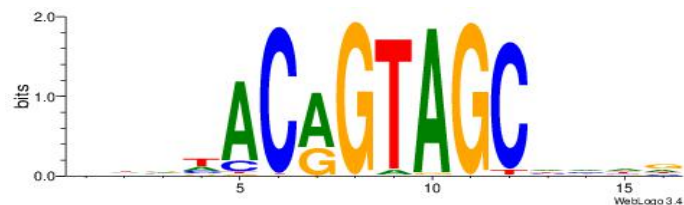
Motif ID:	UP00052
Motif name:	Osr2_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	11
Similarity score:	0.0117169

Alignment:

HHHHGCTACKGTHVHH
--TTGCTGCTTTT---

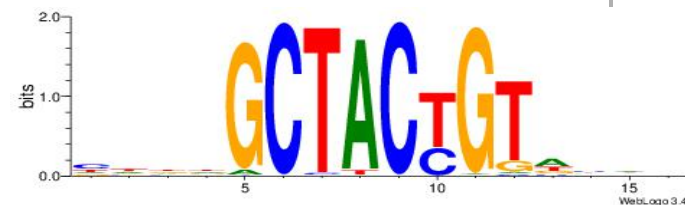
Original motif

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:

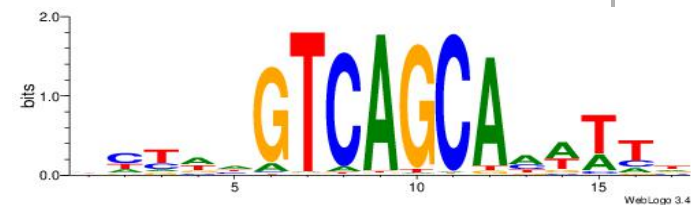
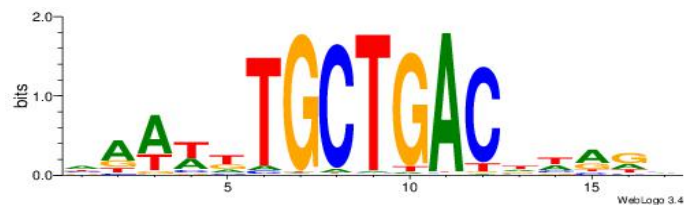
HAAWDTGCTGACDWARH
----TTGCTGCTTTT--

Original motif

Consensus sequence: HAAWDTGCTGACDWARH

Reverse complement motif

Consensus sequence: DMTWDGTCAGCADWTTT

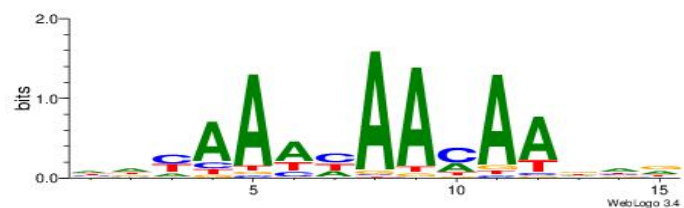


Motif ID: [UP00037](#)
 Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0204182

Alignment:
 HHHTTRTTDTTTKDH
 ---TTGCTGCTTTT-

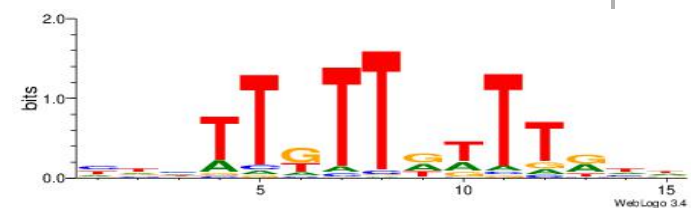
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTTRTTDTTTKDH



Motif ID: [UP00057](#)

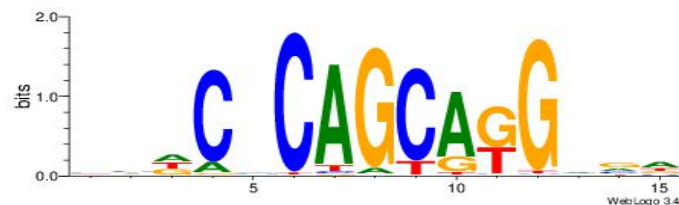
Motif name: Zic2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0211824

Alignment:

DVBCYTGCTGBGDDD
 ----TTGCTGCTTTT

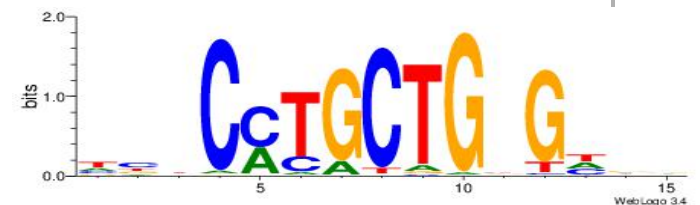
Original motif

Consensus sequence: HHDCVCAGCAKGVD



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

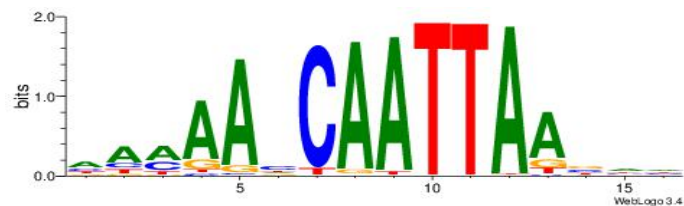
Similarity score: 0.0241392

Alignment:

HHBTTAATTGDDTTYTH
----TTGCTGCTTTT--

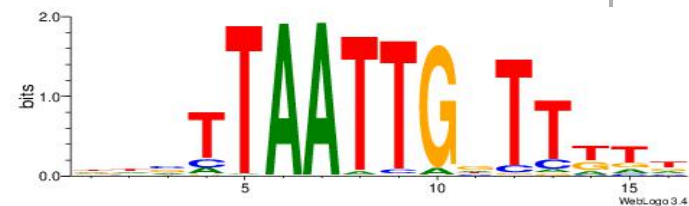
Original motif

Consensus sequence: HMAAHCAATTAABHH



Reverse complement motif

Consensus sequence: HHBTTAATTGDDTTYTH



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:

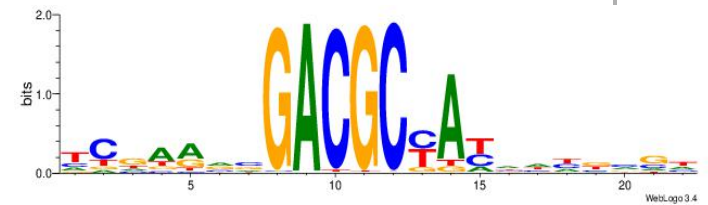
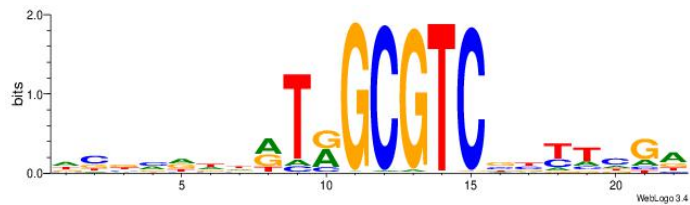
TCDAMVBGACGCMKDDDVBBB
---AAAAGCAGCAA-----

Original motif

Consensus sequence: DBBVDDDRTRGCGTCBBYTHGA

Reverse complement motif

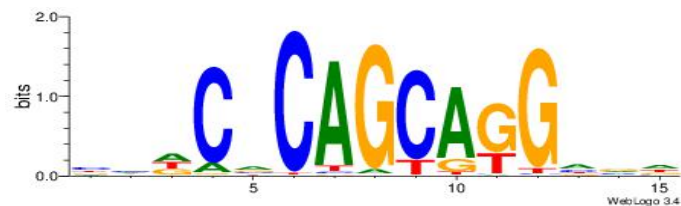
Consensus sequence: TCDAMVBGACGCMKDDDVBBB



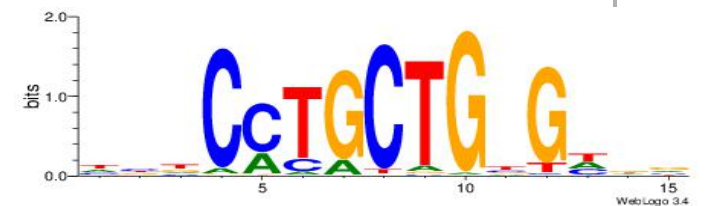
Motif ID: [UP00102](#)
 Motif name: Zic1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0245177

Alignment:
 DVHCCTGCTGBGDDDB
 ----TTGCTGCTTTT

Original motif
 Consensus sequence: BHDCVCAGCAGGHVD



Reverse complement motif
 Consensus sequence: DVHCCTGCTGBGDDDB



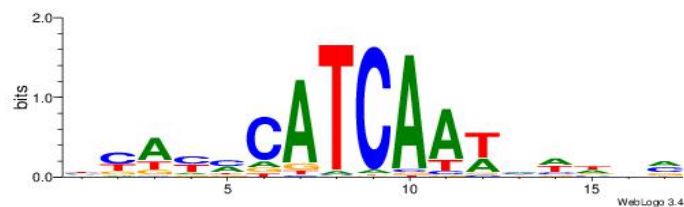
Motif ID: [UP00185](#)
 Motif name: Pbx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0245464

Alignment:

BVDWHWTTGATGRKTKH
 -----TTGCTGCTTTT

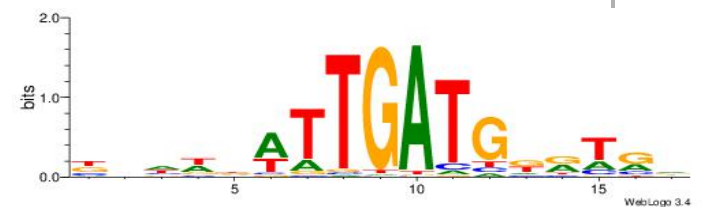
Original motif

Consensus sequence: HYAYMCATCAAWHWDVV



Reverse complement motif

Consensus sequence: BVDWHWTTGATGRKTKH



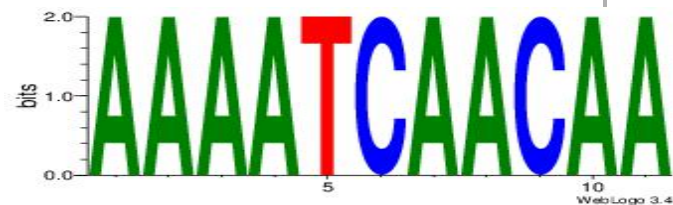
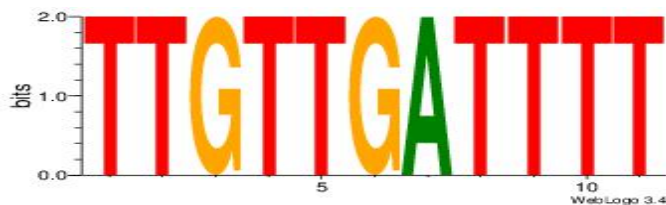
Dataset #: 1 Motif ID: 31 Motif name: Motif 31

Original motif

Consensus sequence: TTGTTGATTTT

Reverse complement motif

Consensus sequence: AAAATCAACAA



Best Matches for Motif ID 31 (Highest to Lowest)

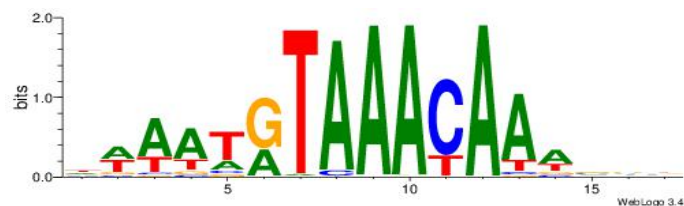
Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0

Alignment:

DWAATRTAAACAAWVVB
 --AAAATCAACAA-----

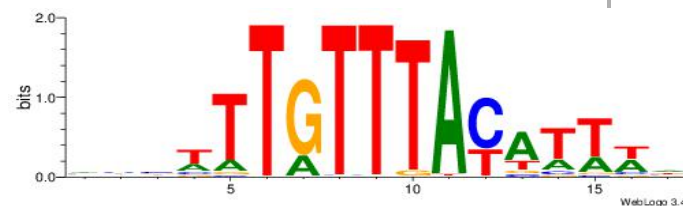
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



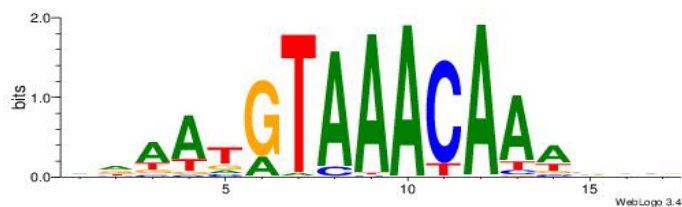
Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.00256455

Alignment:

DDAATGTAAACAAVVB
 --AAAATCAACAA----

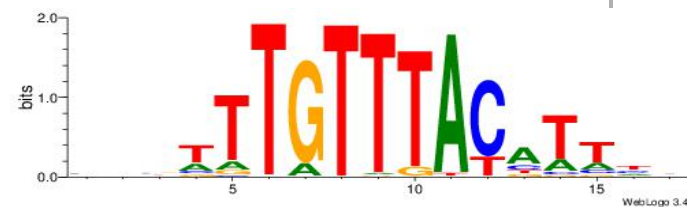
Original motif

Consensus sequence: DDAATGTAAACAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTCATTTDD



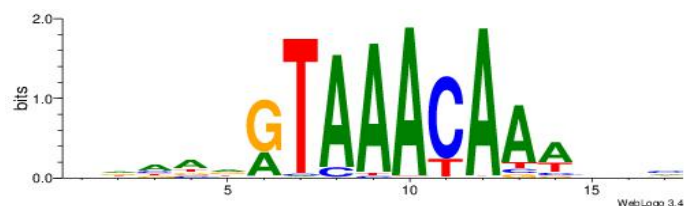
Motif ID: [UP00039](#)
 Motif name: Foxj3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5

Number of overlap: 11
Similarity score: 0.00497188

Alignment:
HDHADGTAAACAAAVVH
--AAAATCAACAA----

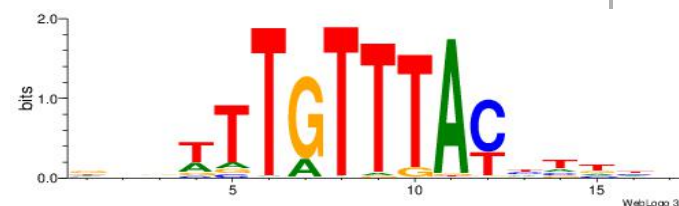
Original motif

Consensus sequence: HDHADGTAAACAAAVVH



Reverse complement motif

Consensus sequence: DVVTTTGTTTACDTHDH



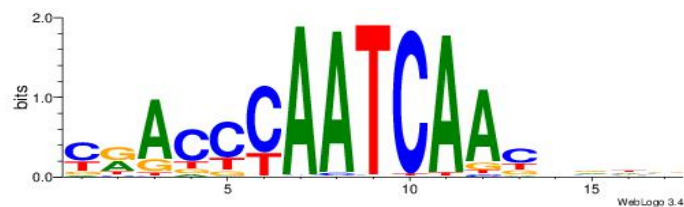
Motif ID: [UP00227](#)
Motif name: Duxl
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 11
Similarity score: 0.00721745

Alignment:
VHVVGTTGATTGGGTMK
--TTGTTGATTTT----

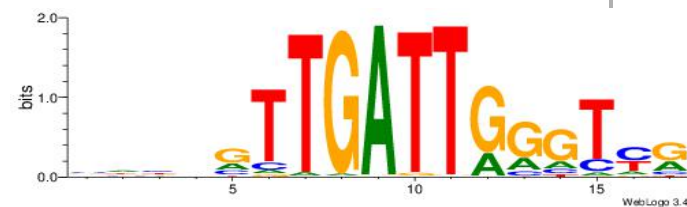
Original motif

Reverse complement motif

Consensus sequence: YRACCCAATCAACVVHV



Consensus sequence: VHVVGTTGATTGGGTMK



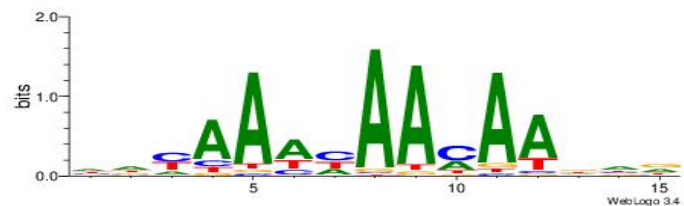
Motif ID: [UP00037](#)
Motif name: Zfp105_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0101946

Alignment:

HHHTTRTTDTTTKDH
---TTGTTGATTTT---

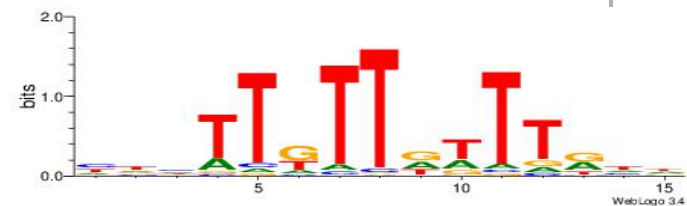
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTTRTTDTTTKDH



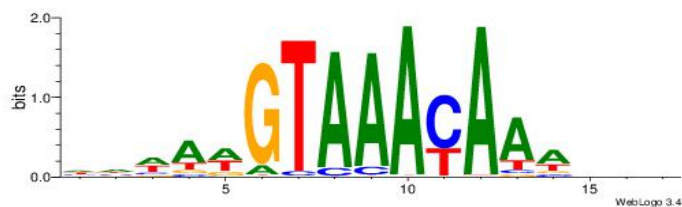
Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0135831

Alignment:

HHWAWGTAAAYAAVDB
 --AAAATCAACAA-----

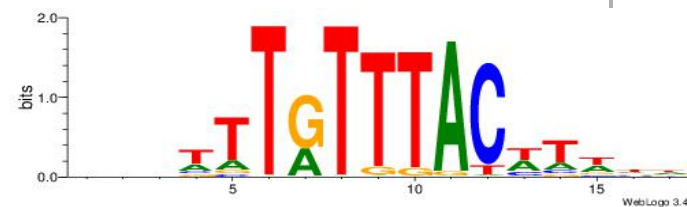
Original motif

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

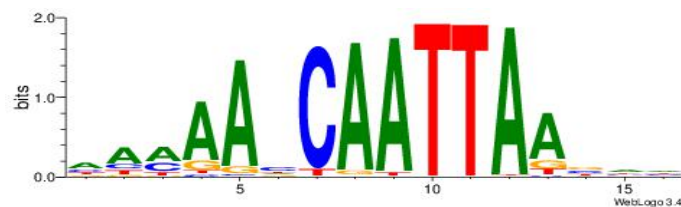
Number of overlap: 11
Similarity score: 0.0139419

Alignment:

HAMAAHCAATTAABHH
-AAAATCAACAA-----

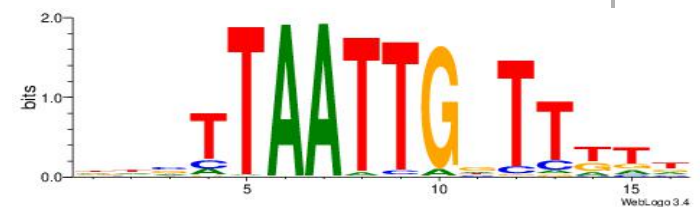
Original motif

Consensus sequence: HAMAAHCAATTAABHH



Reverse complement motif

Consensus sequence: HHBTTAATTGDDTTYTH



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

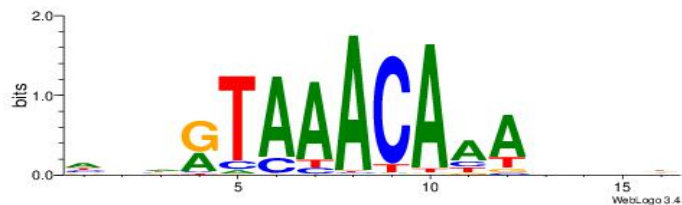
Alignment:

HDHRTAAACAAAHDDD
AAAATCAACAA-----

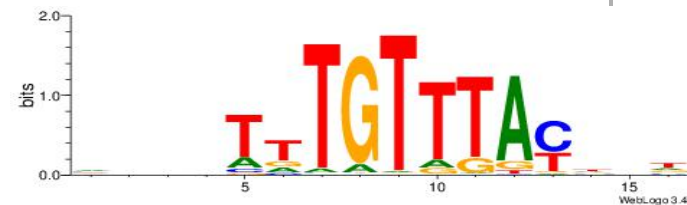
Original motif

Reverse complement motif

Consensus sequence: HDHRTAAACAAHDDD



Consensus sequence: DDDHTTTGTTTAMHDDH



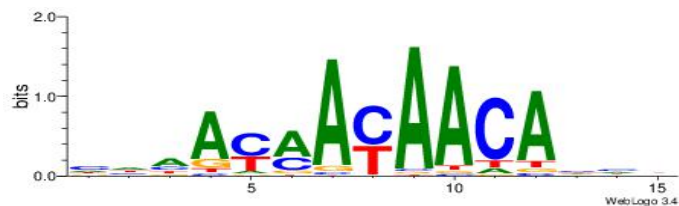
Motif ID: [UP00025](#)
Motif name: Foxk1_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.0220198

Alignment:

HDDTGTTKTTKTHHD
--TTGTTGATTTT--

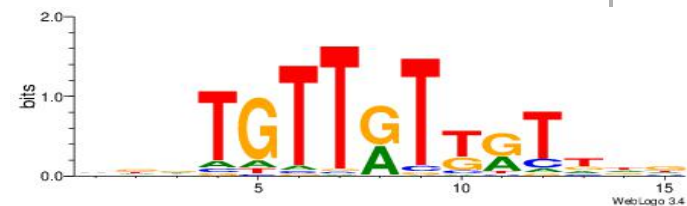
Original motif

Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif

Consensus sequence: HDDTGTTKTTKTHHD



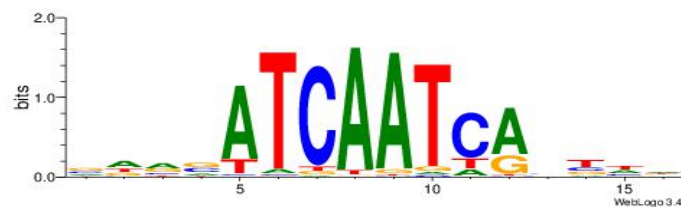
Motif ID: [UP00067](#)
 Motif name: Lef1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0242838

Alignment:

DHVDTGATTGATVBDV
 ----TTGTTGATTTT-

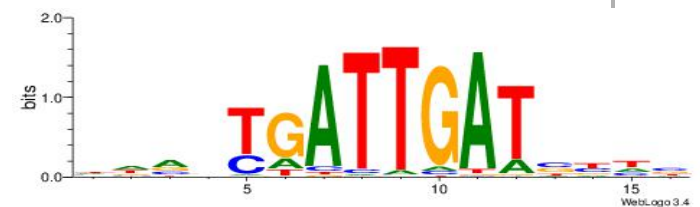
Original motif

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



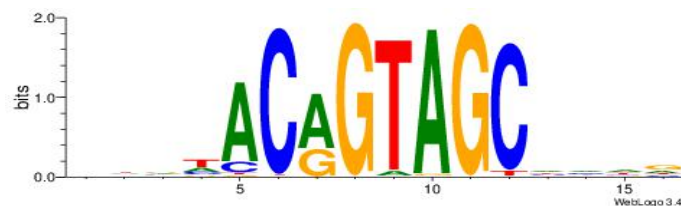
Best Matches for Motif ID 32 (Highest to Lowest)

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-----

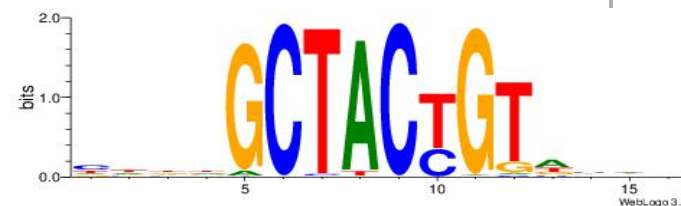
Original motif

Consensus sequence: HHVHACRGTAGCHHHD



Reverse complement motif

Consensus sequence: HHHHGCTACKGTHVHH

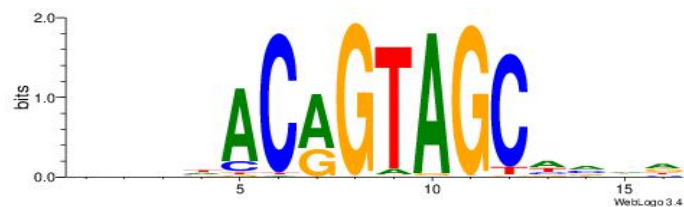


Motif ID: [UP00027](#)
 Motif name: Osr1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 9
 Similarity score: 0.0205632

Alignment:
 HHDHACRGTAGCHVHD
 --AAACWGTAA-----

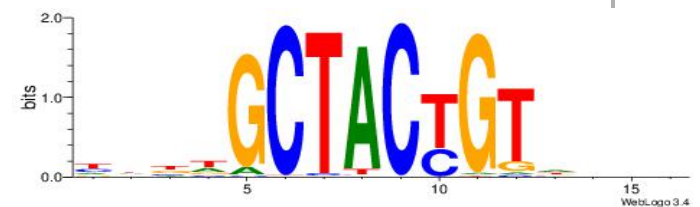
Original motif

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: Forward
 Position number: 9

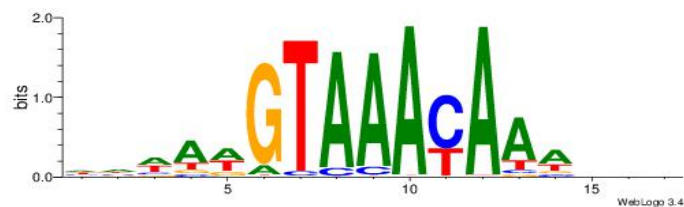
Number of overlap: 9
Similarity score: 0.0212082

Alignment:

BDVTTTKTTTACWTWHH
-----TTACWGTTT

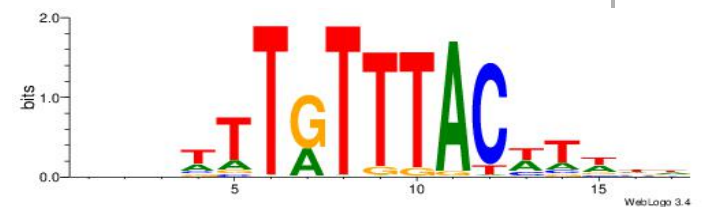
Original motif

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

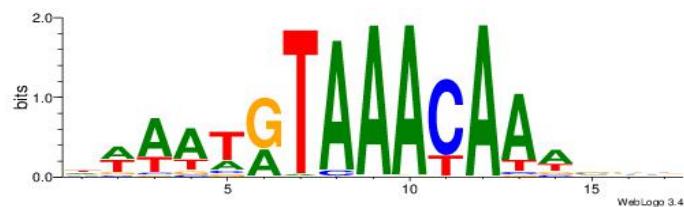
Alignment:

VVVWTTGTTTAMATTWD
-----TTACWGTTT

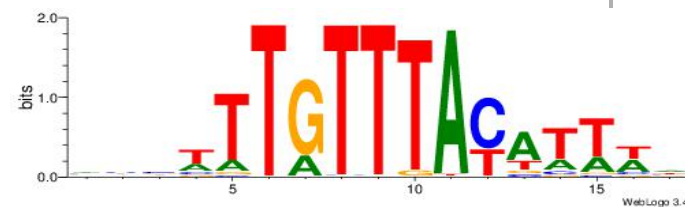
Original motif

Reverse complement motif

Consensus sequence: DWAATRTAAACAAWVVB



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

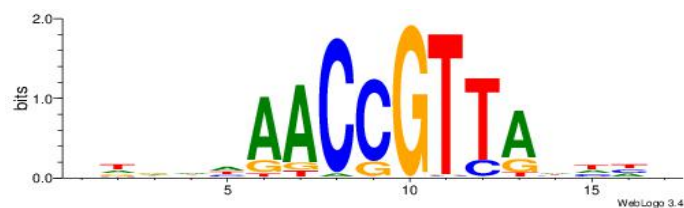
Alignment:

DHHHTAACGGTTHDHDH

-----TTACWGTTT-----

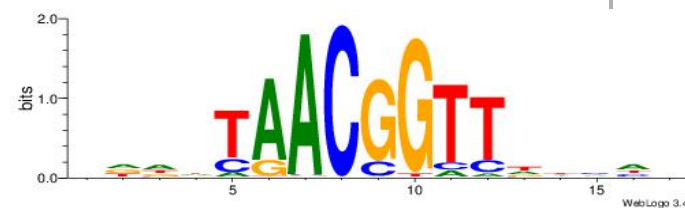
Original motif

Consensus sequence: HDDDHAACCGTTAHHHD



Reverse complement motif

Consensus sequence: DHHHTAACGGTTHDHDH



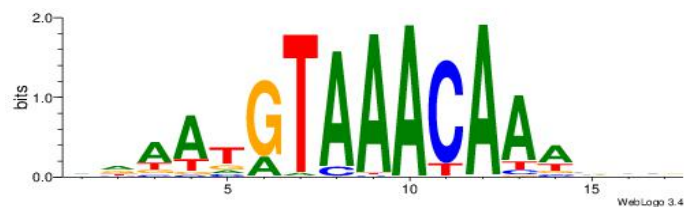
Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 9
 Similarity score: 0.0240192

Alignment:

BBVTTTGTTTACATTDD
 -----TTACWGTTT

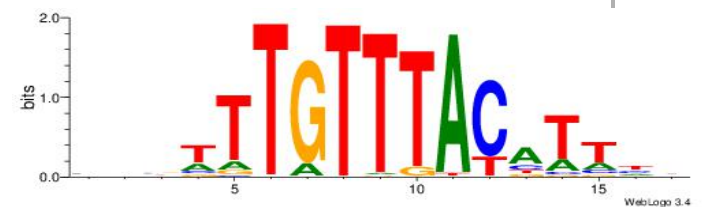
Original motif

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

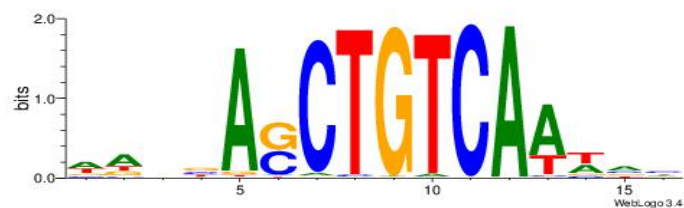
Number of overlap: 9
Similarity score: 0.0245505

Alignment:

DBWTTGACAGSTBVTW
-----TTACWGTTT---

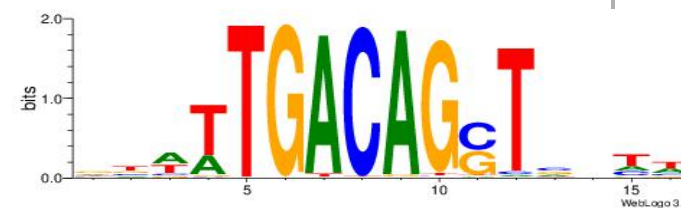
Original motif

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

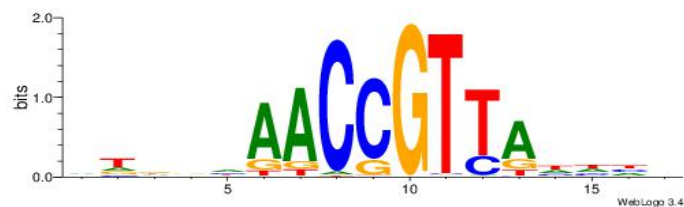
Alignment:

HDDDHAACCGTTAHHHD
-----AAACWGTA-----

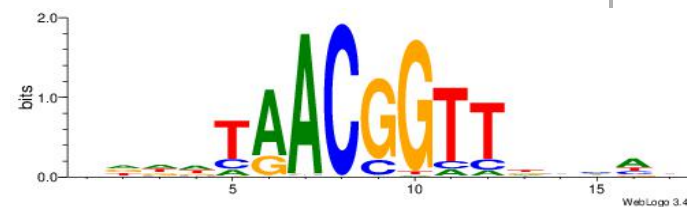
Original motif

Reverse complement motif

Consensus sequence: HDDDHAACCGTTAHHHD



Consensus sequence: DHHHTAACGGTTHHHDH



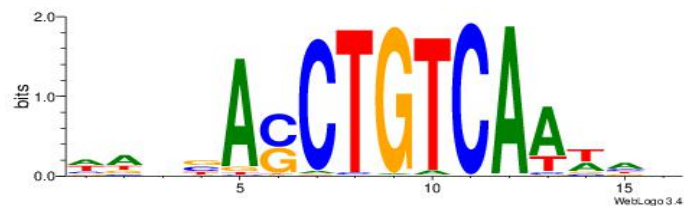
Motif ID: [UP00226](#)
Motif name: Mrg1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 9
Similarity score: 0.0267732

Alignment:

BHWTTGACAGSTBBTW
-----TTACWGTTT---

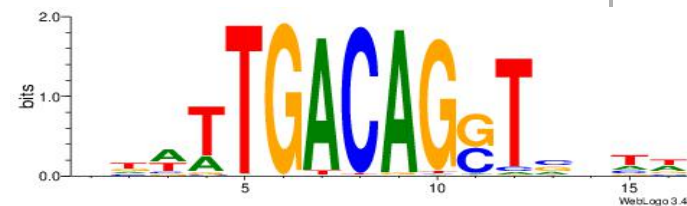
Original motif

Consensus sequence: WAVBASCTGTCAAWHB



Reverse complement motif

Consensus sequence: BHWTTGACAGSTBBTW



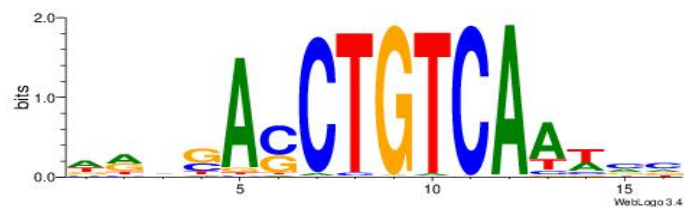
Motif ID: [UP00203](#)
 Motif name: Pknox1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 9
 Similarity score: 0.0277187

Alignment:

VVWTTGACAGSTSBKD
 ----TTACWGTTT---

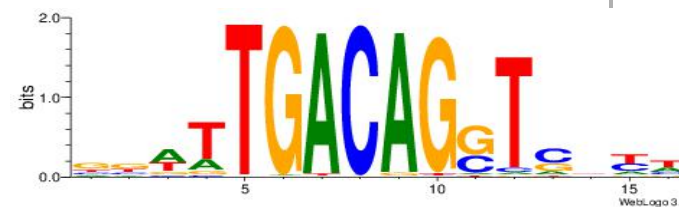
Original motif

Consensus sequence: DRVSASCTGTCAAWVV



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



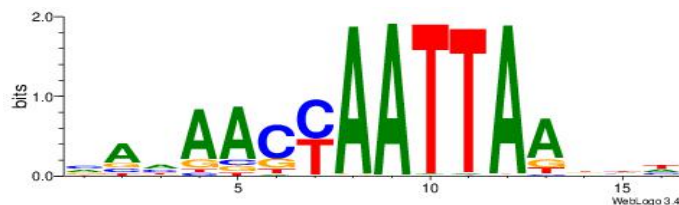
Best Matches for Motif ID 33 (Highest to Lowest)

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

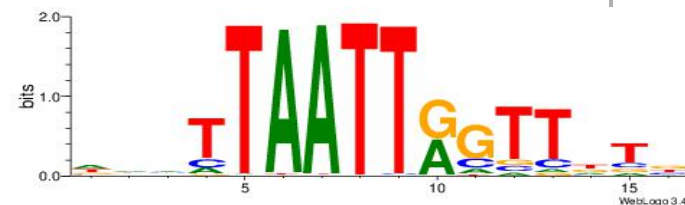
Original motif

Consensus sequence: VAHAACYAATTAABHH



Reverse complement motif

Consensus sequence: HHVTTAATTKGTTHTV



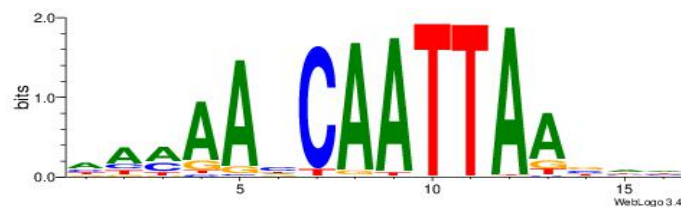
Motif ID: [UP00145](#)
 Motif name: Barhl2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0149596

Alignment:

HHBTTAATTGDTTYTH
 --TTTAATGTYTTTWA

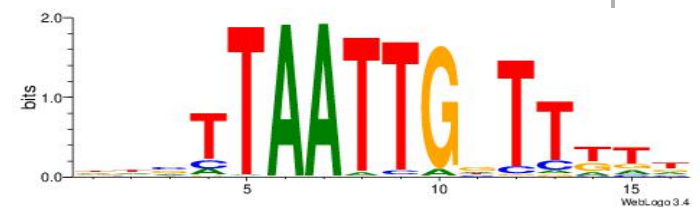
Original motif

Consensus sequence: HMAAAHCAATTAABHH



Reverse complement motif

Consensus sequence: HHBTTAATTGDTTYTH



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

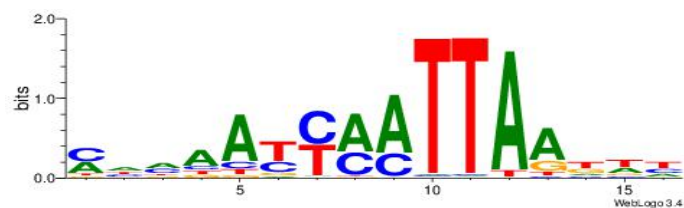
Number of overlap: 14
 Similarity score: 0.0226802

Alignment:

HWDTTAATYKMTTHHR
 --TTTAATGTYTTTWA

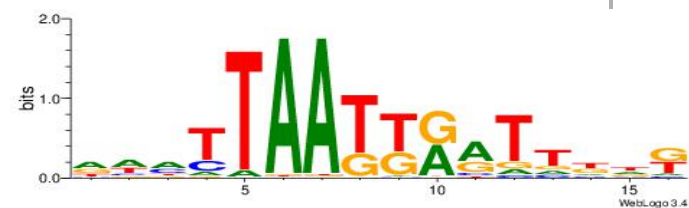
Original motif

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:

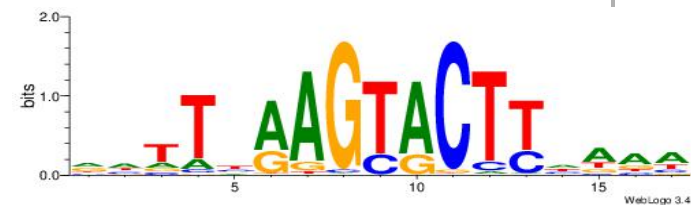
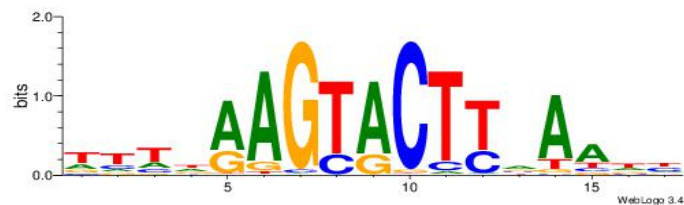
HDTTBAAGTACTTDAAA
 ---TWAAAKACATTAAA

Original motif

Consensus sequence: TTTDAAGTACTTVAADH

Reverse complement motif

Consensus sequence: HDTTBAAGTACTTDAAA

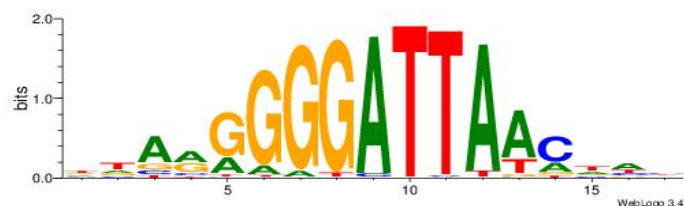


Motif ID: [UP00216](#)
 Motif name: Obox1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0255021

Alignment:
 DDARGGGGATTAACDHH
 TWAAAKACATTAAA---

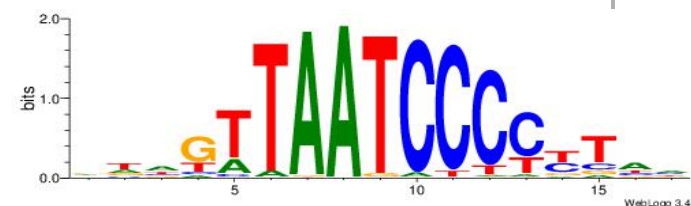
Original motif

Consensus sequence: DDARGGGGATTAACDHH



Reverse complement motif

Consensus sequence: DHDGTTAATCCCCCKTDD



Motif ID: [UP00051](#)

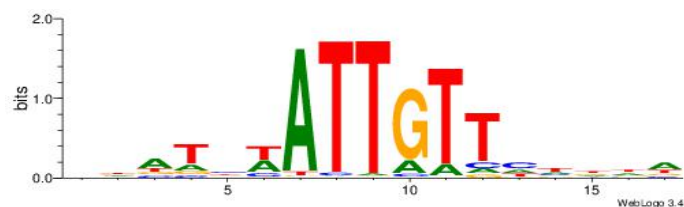
Motif name:	Sox8_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	14
Similarity score:	0.0266643

Alignment:

```
DDATBWATTGTTHHDDD
---TTTAATGTYTTTWA
```

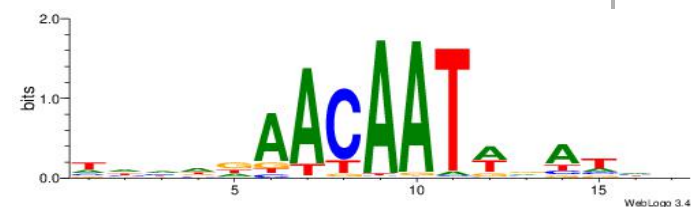
Original motif

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

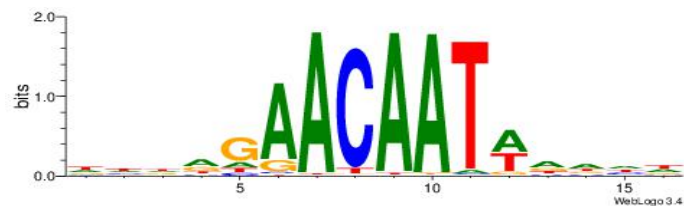
Similarity score: 0.0288082

Alignment:

DHDDWATTGTTCDHHD
--TTTAATGTYTTTWA

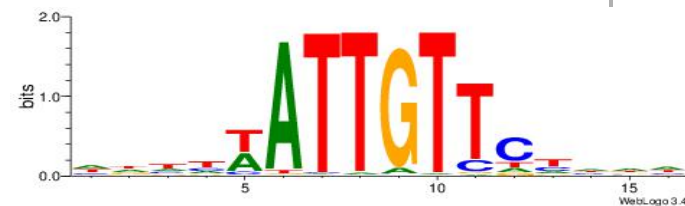
Original motif

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:

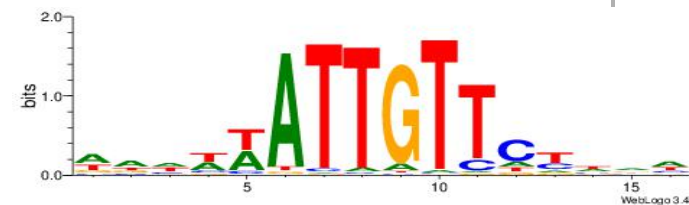
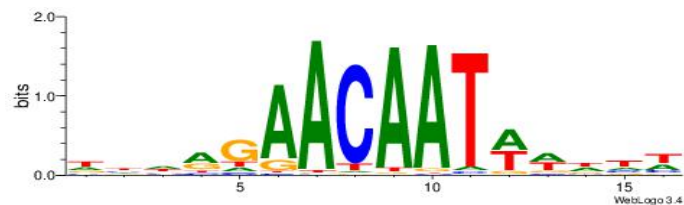
DHDRGAACAATWWDHW
--TTTAATGTYTTTWA

Original motif

Consensus sequence: DHDRGAACAATWWDHW

Reverse complement motif

Consensus sequence: WHDWWATTGTTCKDHD

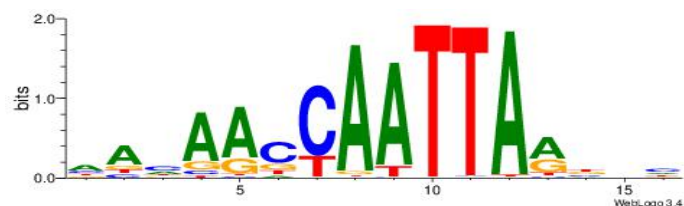


Motif ID: [UP00166](#)
 Motif name: Barhl1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0303352

Alignment:
 DDVKTAATTGGTTDTH
 --TTTAATGTYTTTWA

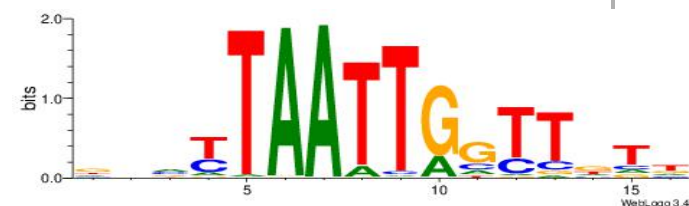
Original motif

Consensus sequence: HAHAAACCAATTARBDH



Reverse complement motif

Consensus sequence: DDVKTAATTGGTTDTH



Motif ID: [UP00032](#)

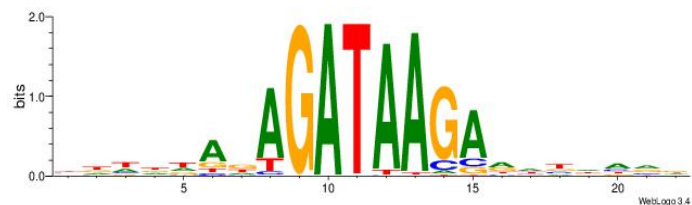
Motif name: Gata3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 14
 Similarity score: 0.0304836

Alignment:

BDHDDADAGATAAGADHBDHVD
 -TWAAAKACATTAAA-----

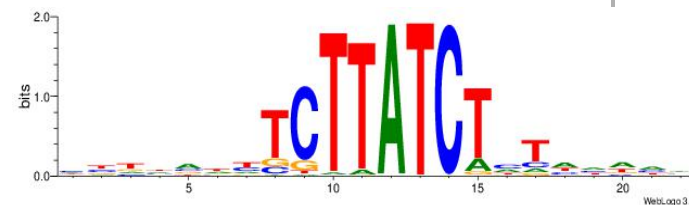
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHVD



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)

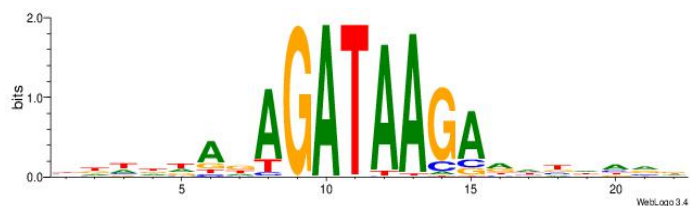
Motif ID: [UP00032](#)
 Motif name: Gata3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0235901

Alignment:

HBHDVHDTCTTATCTHTDDHDV
 -----TCATCTTT-----

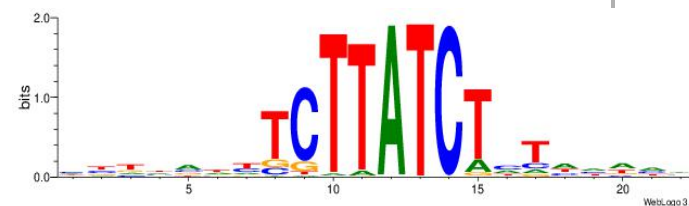
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



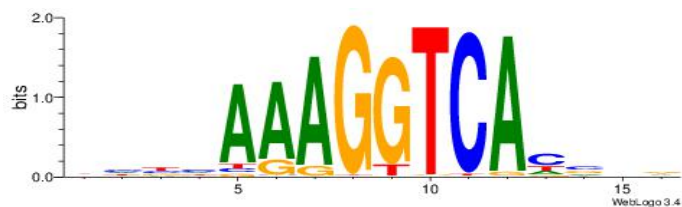
Motif ID: [UP00048](#)
 Motif name: Rara
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0248583

Alignment:

HHVGTGACCTTTDVDD
 ----TCATCTTT----

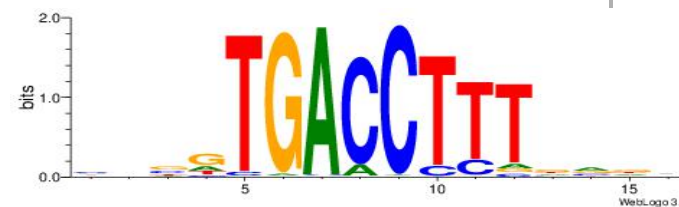
Original motif

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

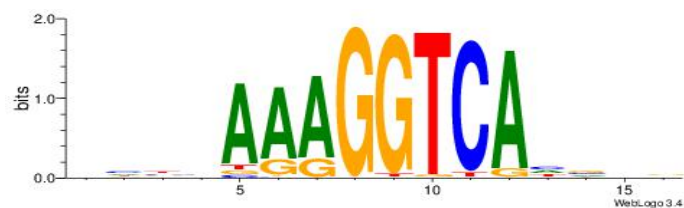
Number of overlap: 8
Similarity score: 0.0320787

Alignment:

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

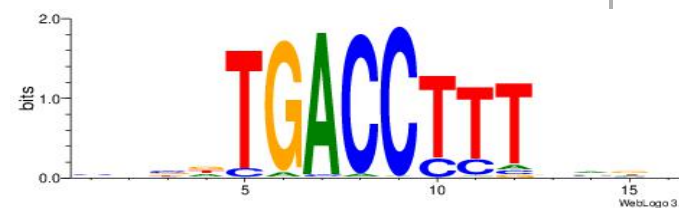
Original motif

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

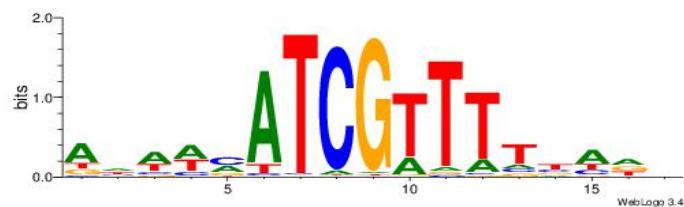
Alignment:

HDTVAAAACGATRWHT
-----AAAGATGA---

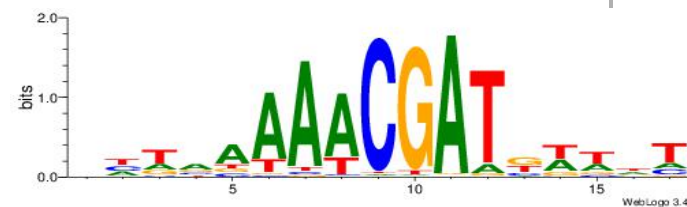
Original motif

Reverse complement motif

Consensus sequence: AHWWMATCGTTTTBADD



Consensus sequence: HDTVAAAACGATRWWHT



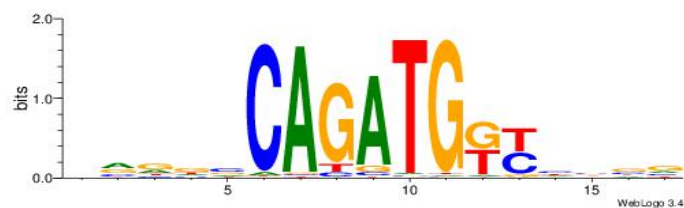
Motif ID: [UP00046](#)
Motif name: Tcfe2a_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 8
Similarity score: 0.0375145

Alignment:

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

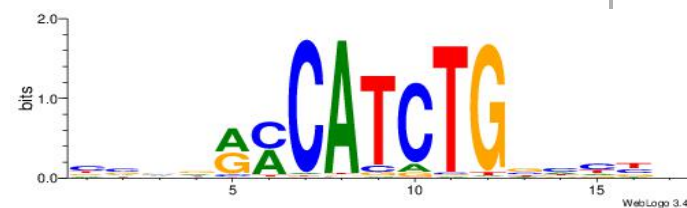
Original motif

Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif

Consensus sequence: VBBDMYCATCTGVHBBH



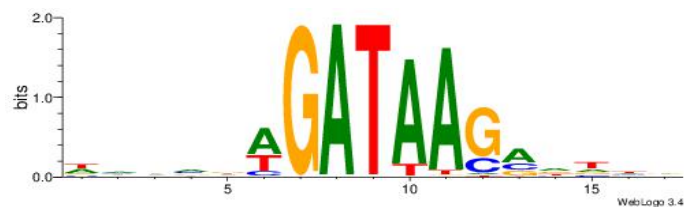
Motif ID: [UP00100](#)
 Motif name: Gata6_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0391681

Alignment:

VHDDTCTTATCWHBDHD
 -----TCATCTTT----

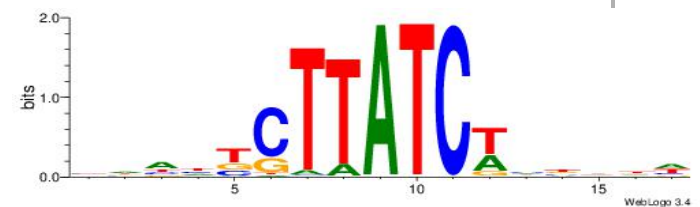
Original motif

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:
VAAAGMGGAAAGTWD
-AAAGATGA-----

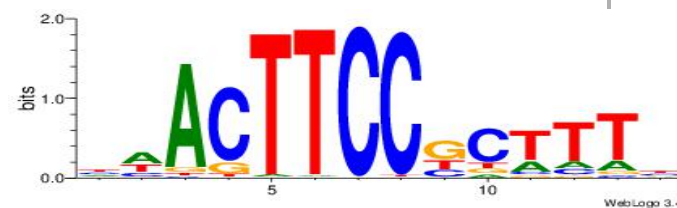
Original motif

Consensus sequence: VAAAGMGGAAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRCTTTB



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

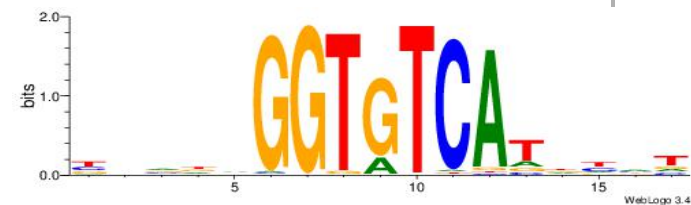
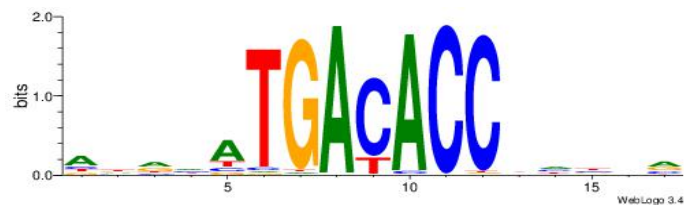
Alignment:
BBVHVGGTGTCA THDDT
-----TCATCTTT

Original motif

Consensus sequence: ADDHATGACACCBHBBV

Reverse complement motif

Consensus sequence: BBVHVGGTGTCA THDDT



Motif ID: [UP00219](#)
 Motif name: Cutl1_3494.2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.0483168

Alignment:
 DADTGATMATCABTD
 -----TCATCTTT-

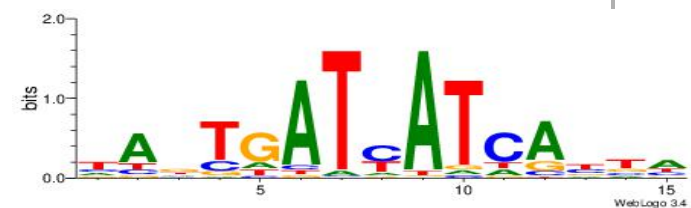
Original motif

Consensus sequence: DAVTGATRATCAHTD



Reverse complement motif

Consensus sequence: DADTGATMATCABTD



Motif ID: [UP00208](#)

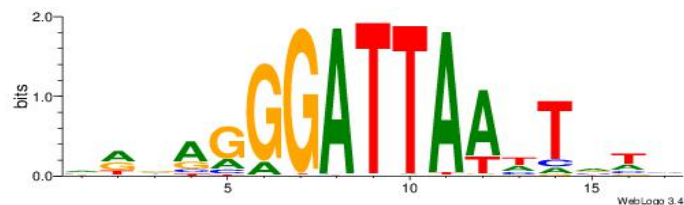
Motif name: Obox5_3963.2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0488248

Alignment:

VRVAGGGATTAAHTVWV
 ---AAAGATGA-----

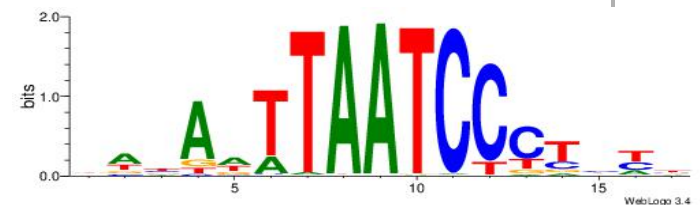
Original motif

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)

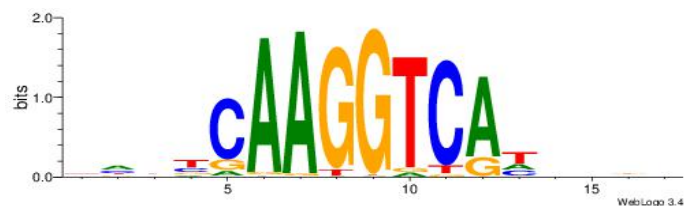
Motif ID: [UP00079](#)
 Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0140765

Alignment:

DHDBCAAGGTCAHVBDH
 ----CAAGAKCATCT--

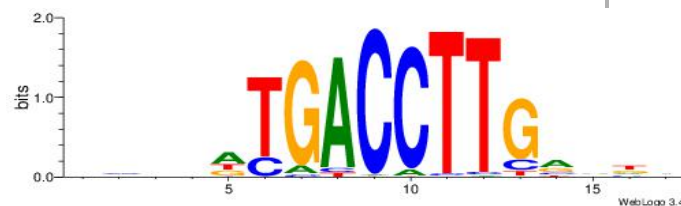
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



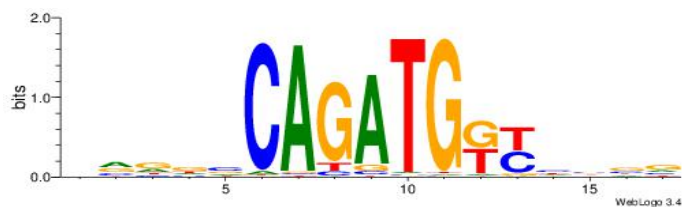
Motif ID: [UP00046](#)
 Motif name: Tcfe2a_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0175222

Alignment:

HVDDVCAGATGKYHBBV
 -----AGATGYTCTTG

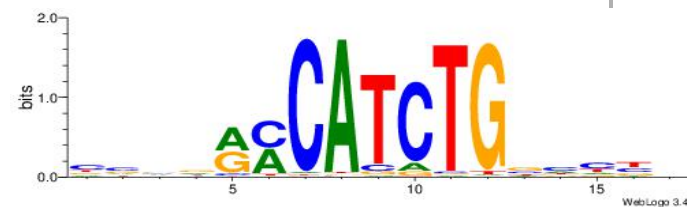
Original motif

Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif

Consensus sequence: VBBDMYCATCTGVHBBH



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

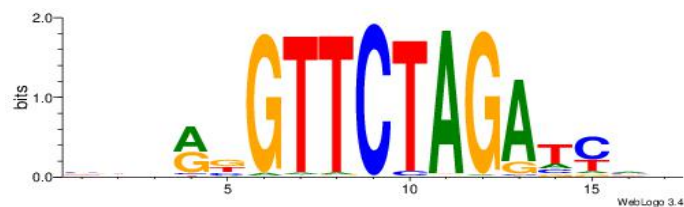
Number of overlap: 11
Similarity score: 0.0209646

Alignment:

BDHRBGTTCTAGATCVB
-AGATGYTCTTG-----

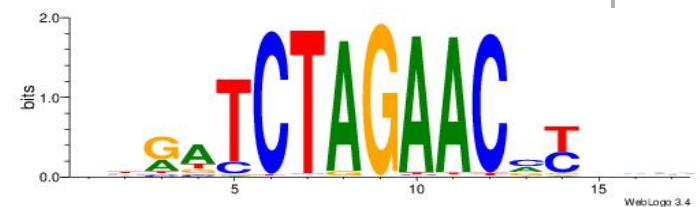
Original motif

Consensus sequence: BDHRBGTTCTAGATCVB



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

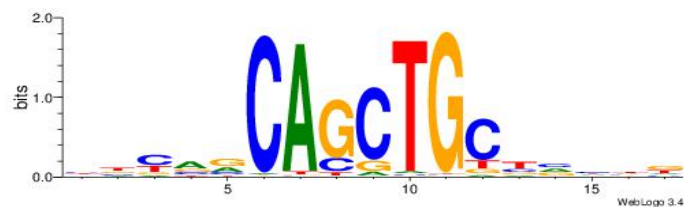
Alignment:

BBYVVCAGCTGCBVHHD
-----AGATGYTCTTG

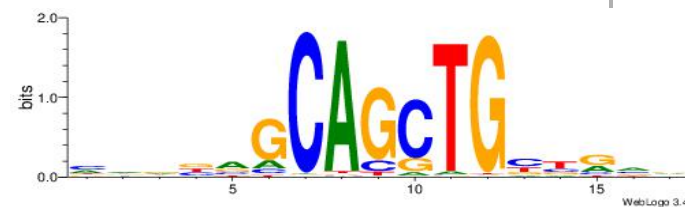
Original motif

Reverse complement motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Consensus sequence: HHDVVGCAGCTGVBKVB



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

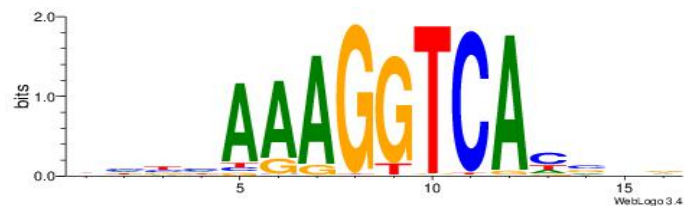
Alignment:

DHBHAAAGGTCACVHD

-----CAAGAKCATCT-

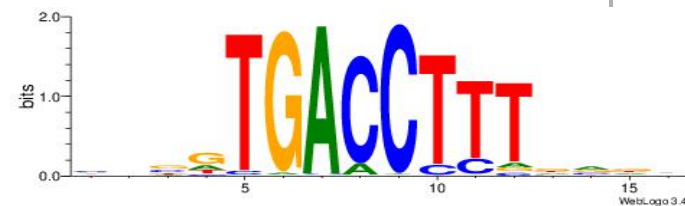
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD



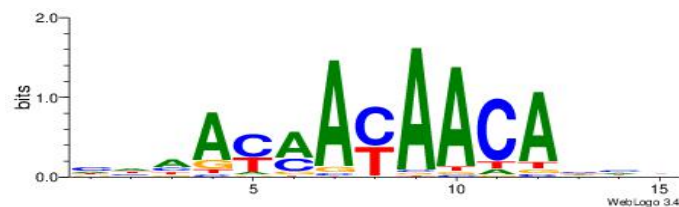
Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0329048

Alignment:

HDDTGTTKTTKTHHD
 AGATGYTCTTG----

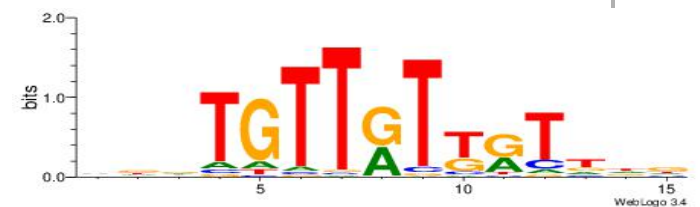
Original motif

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

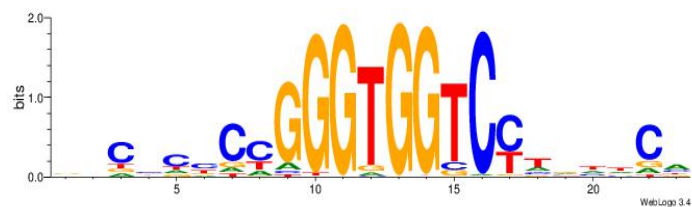
Number of overlap: 11
Similarity score: 0.0350601

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
-----AGATGYTCTTG-----

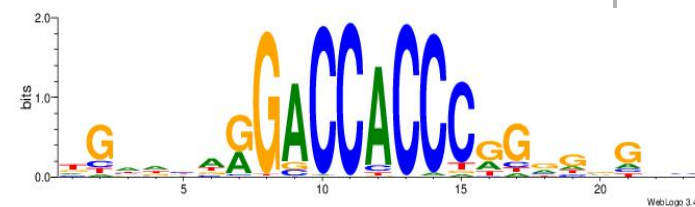
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVKHKGACCACCCGGBGBGDB



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

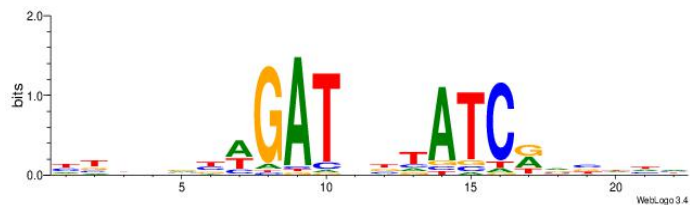
Alignment:

HBHDVBWGATHBTATCRVBHHH
-----AGATGYTCTTG-----

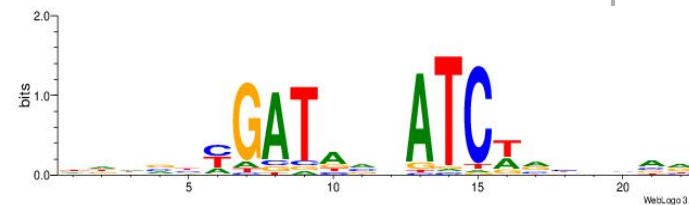
Original motif

Reverse complement motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Consensus sequence: HHHBBMGATAVHATCWVVDHVH



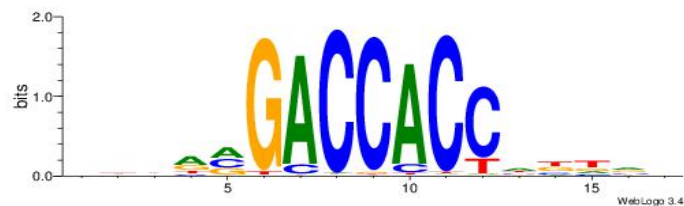
Motif ID: [UP00047](#)
Motif name: Zbtb7b_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 11
Similarity score: 0.0367981

Alignment:

```
BBDVHGGTGGTCBKDDDB  
-----AGATGYTCTTG--
```

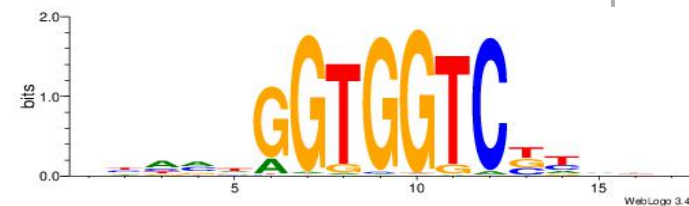
Original motif

Consensus sequence: BDDRVGACCACCHBDVB



Reverse complement motif

Consensus sequence: BBDVHGGTGGTCBKDDDB



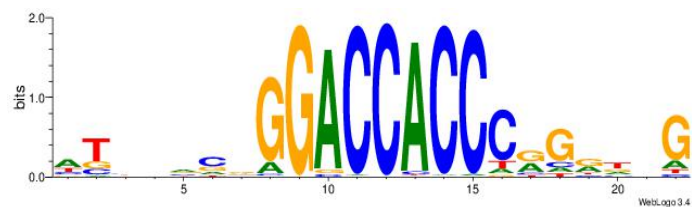
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.038145

Alignment:

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

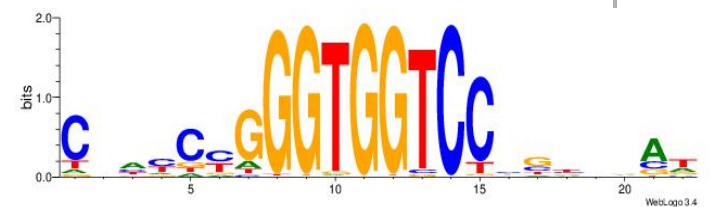
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCCHVBVBAH



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

Original motif

Consensus sequence: TGGTGTCA

Reverse complement motif

Consensus sequence: TGACACCA



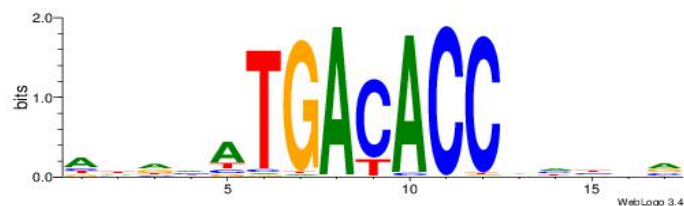
Best Matches for Motif ID 36 (Highest to Lowest)

Motif ID: [UP00199](#)
 Motif name: Six4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0

Alignment:
 ADDHATGACACCBHBBV
 -----TGACACCA-----

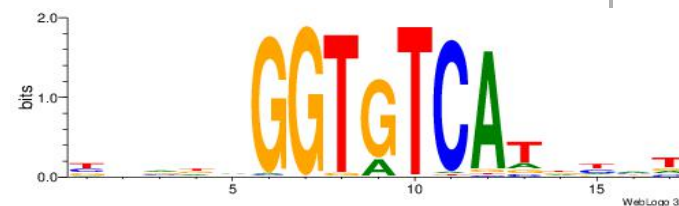
Original motif

Consensus sequence: ADDHATGACACCBHBBV



Reverse complement motif

Consensus sequence: BBVHVGGTGTCAHDDT



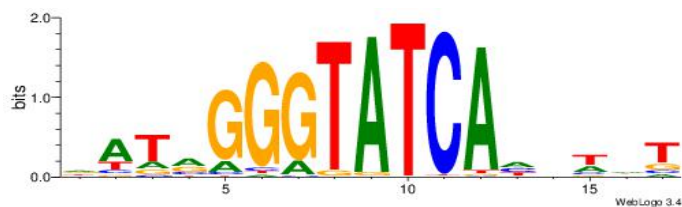
Motif ID: [UP00388](#)
 Motif name: Six6_2267.4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0335611

Alignment:

AHWDHTGATACCCCKATD
 -----TGACACCA-----

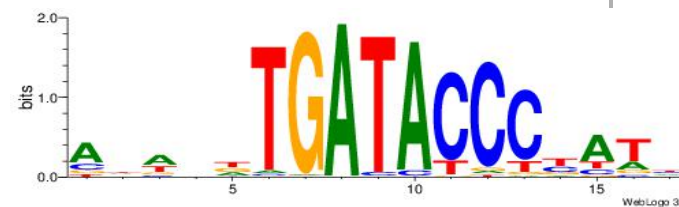
Original motif

Consensus sequence: DATRGGGTATCAHDWHT



Reverse complement motif

Consensus sequence: AHWDHTGATACCCCKATD

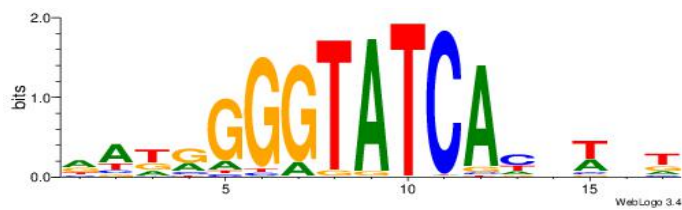


Motif ID: [UP00159](#)
 Motif name: Six2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5

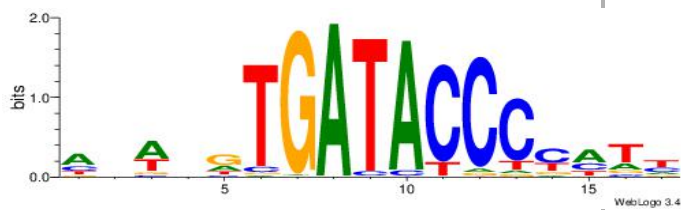
Number of overlap: 8
Similarity score: 0.0342894

Alignment:
AHWDGTGATACCCMRTD
-----TGACACCA-----

Original motif
Consensus sequence: DAKRGGGTATCACDWHT



Reverse complement motif
Consensus sequence: AHWDGTGATACCCMRTD

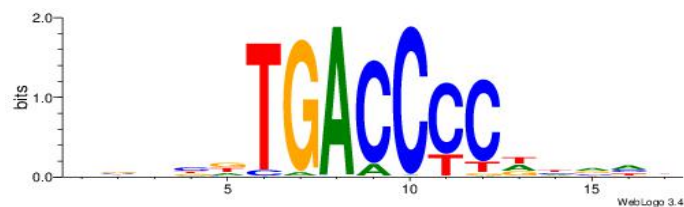


Motif ID: [UP00053](#)
Motif name: Rxra_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 8
Similarity score: 0.034602

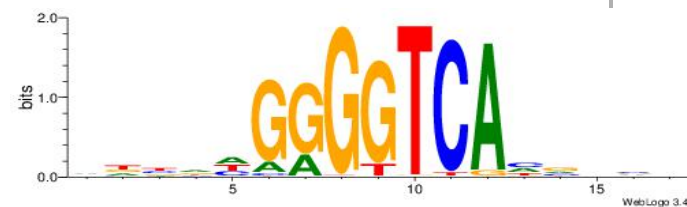
Alignment:
DBHBDTGACCCCDHVHB
-----TGACACCA-----

Original motif Reverse complement motif

Consensus sequence: DBHBDTGACCCCDHVHB



Consensus sequence: VHBHDGGGGTCAHBHBD



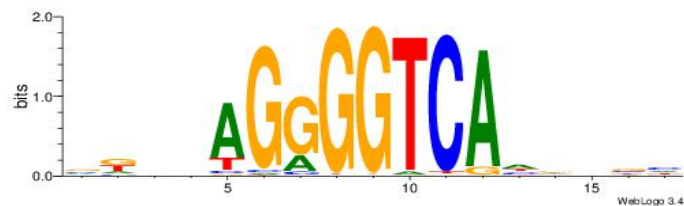
Motif ID: [UP00079](#)
Motif name: Esrra_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 8
Similarity score: 0.0349175

Alignment:

VKBBAGGGGTCAHDBBH
-----TGGTGTCA-----

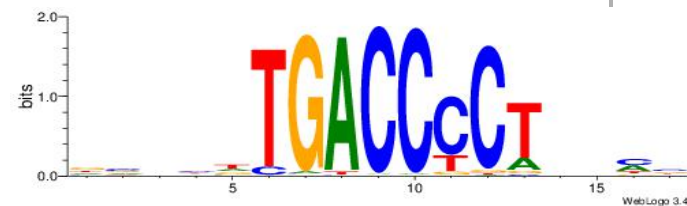
Original motif

Consensus sequence: VKBBAGGGGTCAHDBBH



Reverse complement motif

Consensus sequence: DBBHHTGACCCCTBBYV



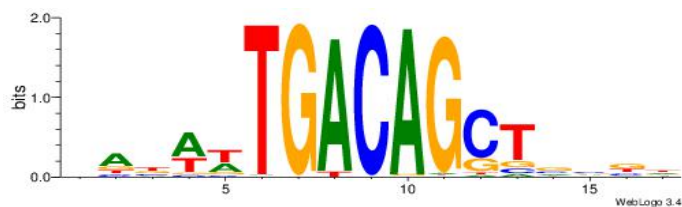
Motif ID: [UP00122](#)
 Motif name: Tgif1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0354712

Alignment:

DBVVAGCTGTCAWWVTH
 ----TGGTGTCA-----

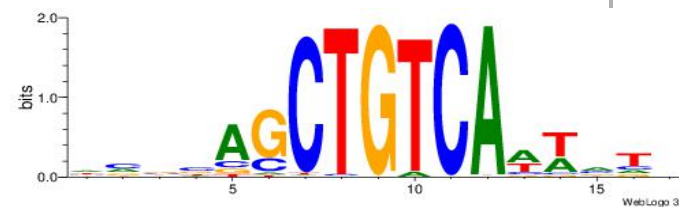
Original motif

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

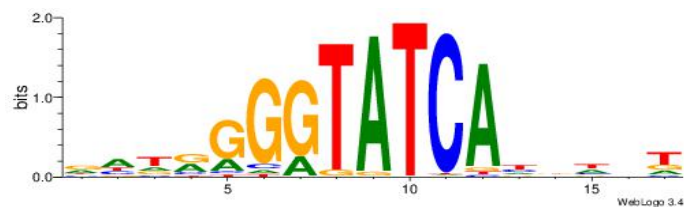
Number of overlap: 8
Similarity score: 0.0355547

Alignment:

AVHDHTGATACCCMDHH
-----TGACACCA-----

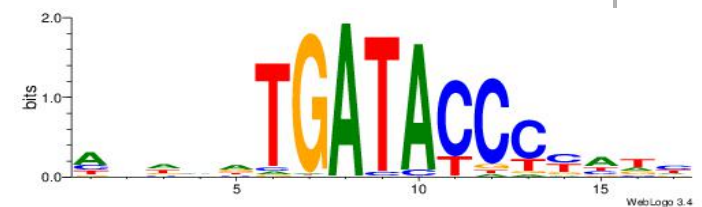
Original motif

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

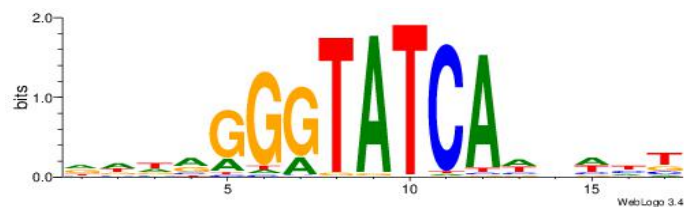
Alignment:

AHWHWTGATACCKDDD
-----TGACACCA-----

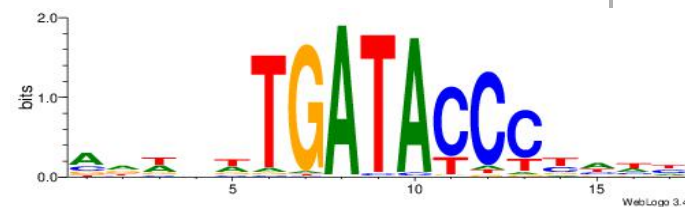
Original motif

Reverse complement motif

Consensus sequence: DDRGGGTATCAWHWHT



Consensus sequence: AHWHTGATACCKKDD

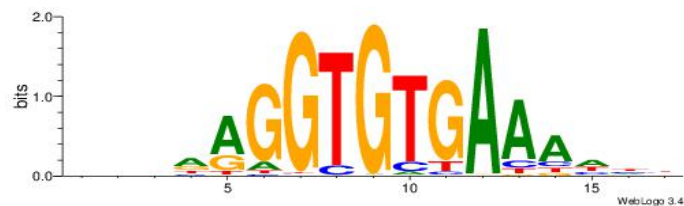


Motif ID: [UP00068](#)
Motif name: Eomes_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 8
Similarity score: 0.0362156

Alignment:
HHHTTTCACACCTDHBV
-----TGACACCA-----

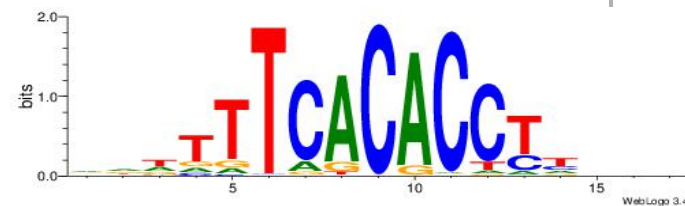
Original motif

Consensus sequence: BVHDAGGTGTGAAHHH



Reverse complement motif

Consensus sequence: HHHTTTCACACCTDHBV



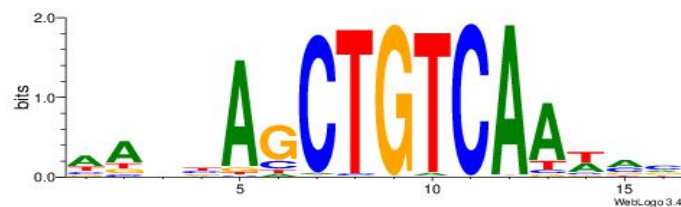
Motif ID: [UP00258](#)
 Motif name: Tgif2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0373826

Alignment:

VBWTTGACAGCTVBTT
 ----TGACACCA----

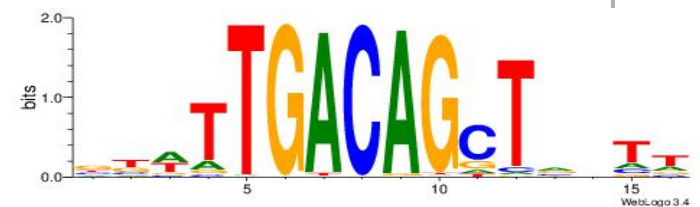
Original motif

Consensus sequence: AABAGCTGTCAAWVV



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



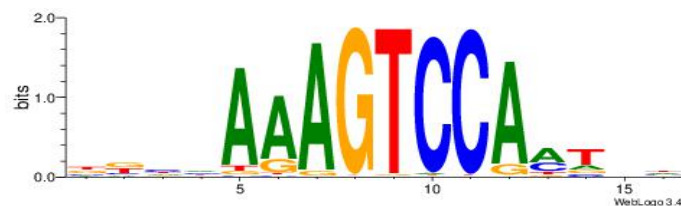
Best Matches for Motif ID 37 (Highest to Lowest)

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-----

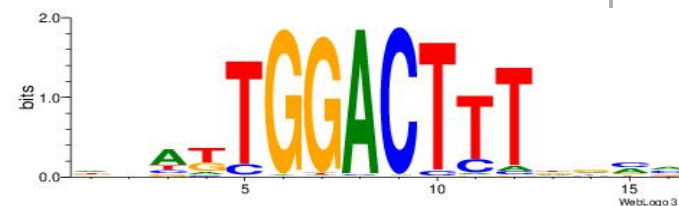
Original motif

Consensus sequence: BBHHAAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTTHDBV



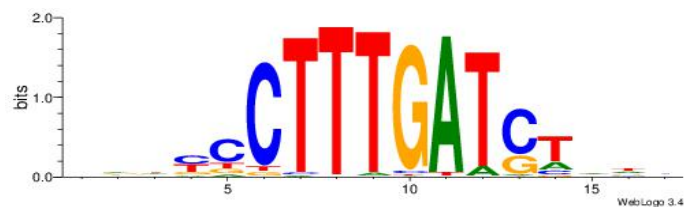
Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 7
 Similarity score: 0.0128381

Alignment:

VDDAGATCAAAGGKDDD
 -----CCAAAGT-----

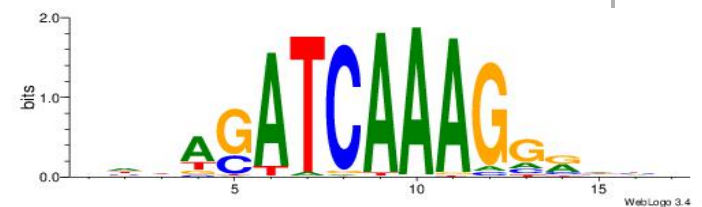
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD



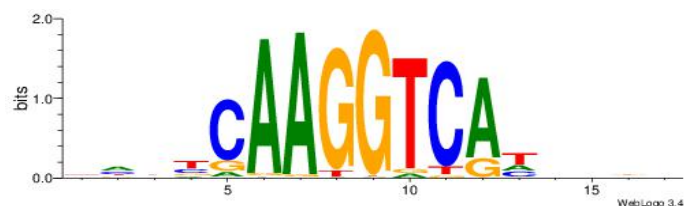
Motif ID: [UP00079](#)
 Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8

Number of overlap: 7
Similarity score: 0.0140846

Alignment:
DHDBCAAGGTCAHVBDH
---CCAAAGT-----

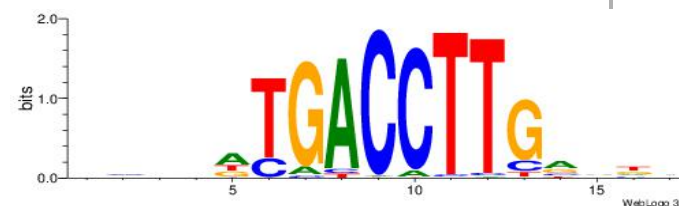
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



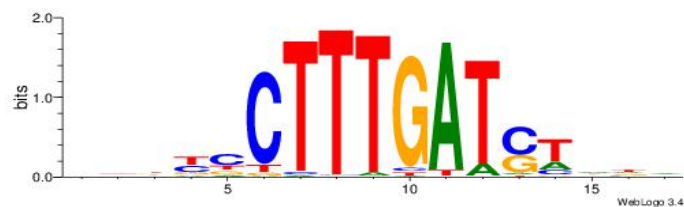
Motif ID: [UP00083](#)
Motif name: Tcf7l2_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 7
Similarity score: 0.0141156

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

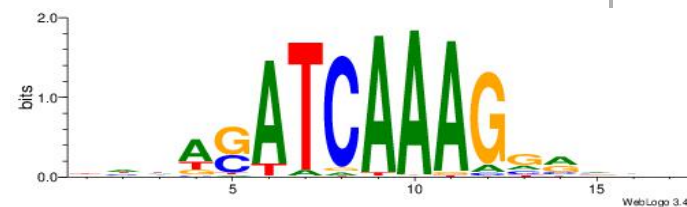
Original motif

Reverse complement motif

Consensus sequence: DDDYCCTTTGATSTDDV



Consensus sequence: BDDASATCAAAGMDDD

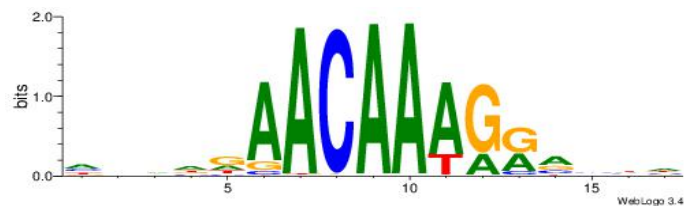


Motif ID: [UP00062](#)
Motif name: Sox4_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 7
Similarity score: 0.0159798

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

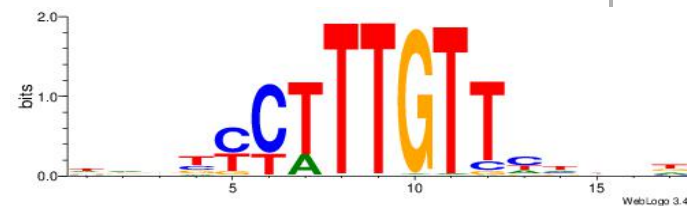
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTTHDDBH



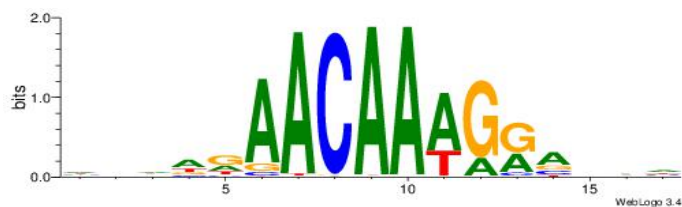
Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 7
 Similarity score: 0.0181605

Alignment:

HHBTMCTTTGTTMDDVH
 ----ACTTTGG-----

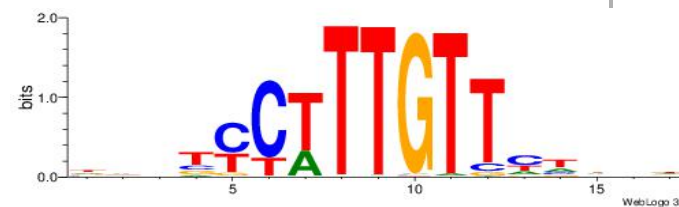
Original motif

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

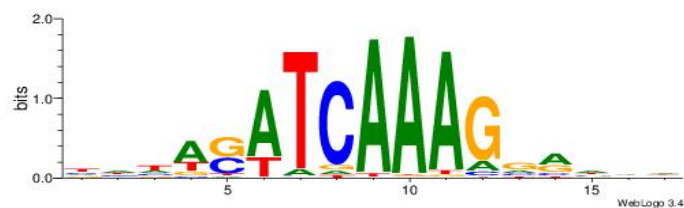
Number of overlap: 7
Similarity score: 0.0200761

Alignment:

HHHKVCTTTGATSTHHH
-----ACTTTGG-----

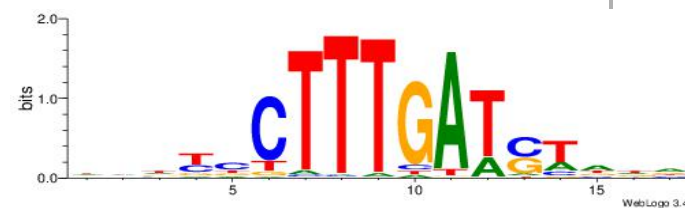
Original motif

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

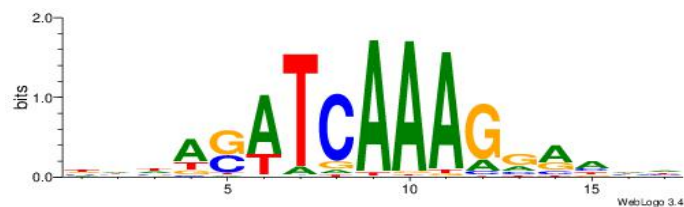
Alignment:

HHHTCCTTTGATSTHHV
-----ACTTTGG-----

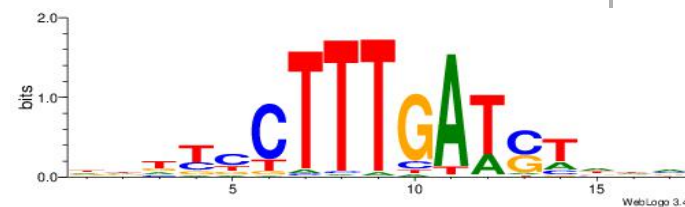
Original motif

Reverse complement motif

Consensus sequence: BHHASATCAAAGGAHHH



Consensus sequence: HHHTCCTTTGATSTHHV



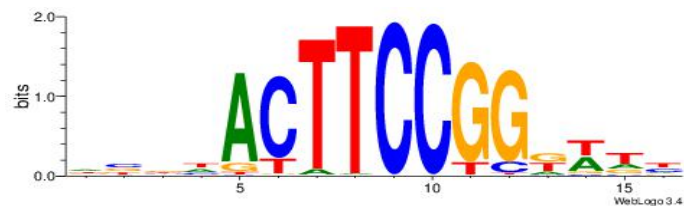
Motif ID: [UP00413](#)
Motif name: Elf4
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 7
Similarity score: 0.0283328

Alignment:

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

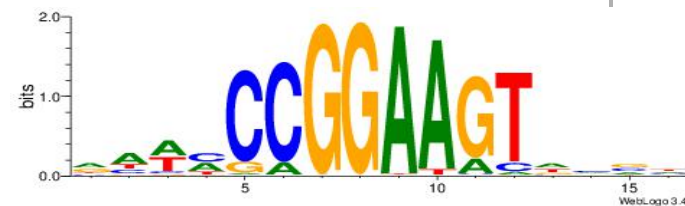
Original motif

Consensus sequence: DBBHACTTCCGGKWTH



Reverse complement motif

Consensus sequence: HAWYCCGGAAGTHBBD



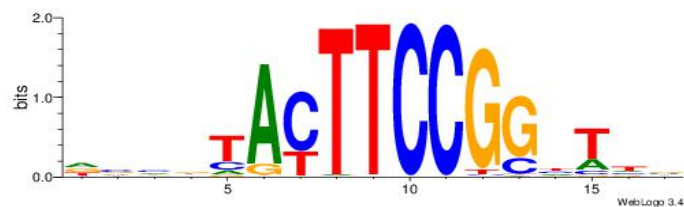
Motif ID: [UP00418](#)
 Motif name: Etv6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 7
 Similarity score: 0.0287289

Alignment:

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

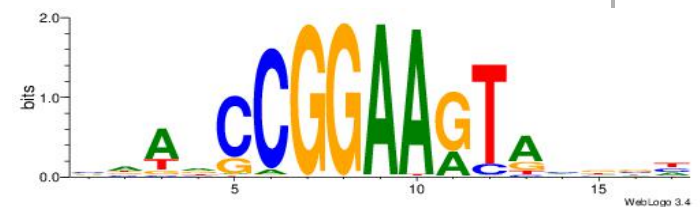
Original motif

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



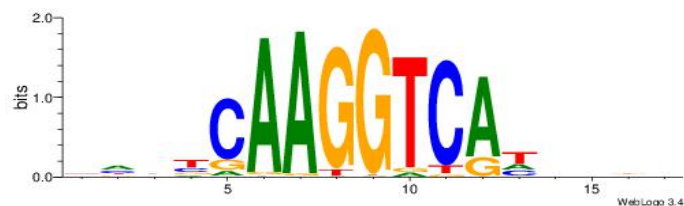
Best Matches for Motif ID 38 (Highest to Lowest)

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----

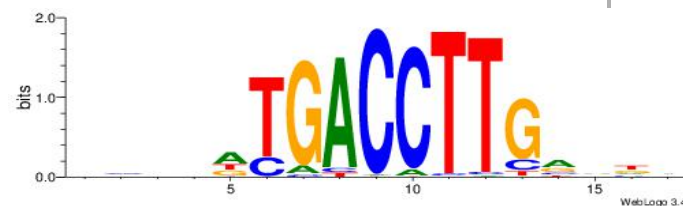
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



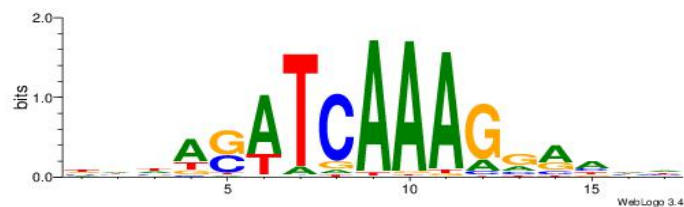
Motif ID: [UP00054](#)
 Motif name: Tcf7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 9
 Similarity score: 0.0182772

Alignment:

HHHTCCTTTGATSTHHV
 -ATKAYTTTG-----

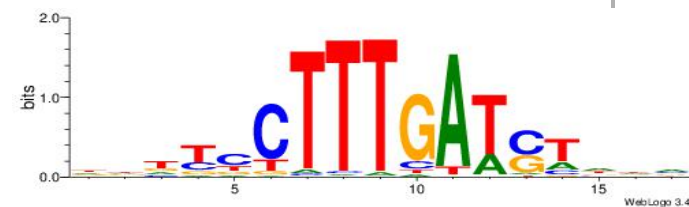
Original motif

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

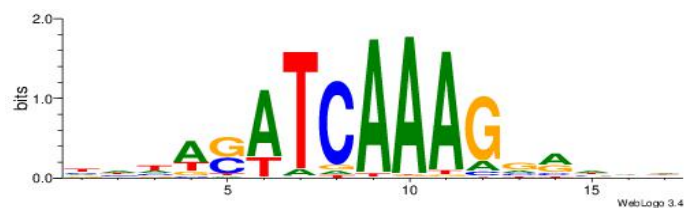
Number of overlap: 9
Similarity score: 0.01865

Alignment:

HHHKVCTTTGATSTHHH
-ATKAYTTTG-----

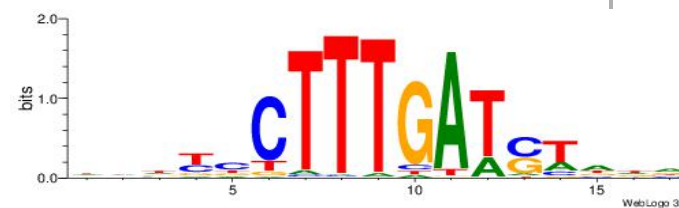
Original motif

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

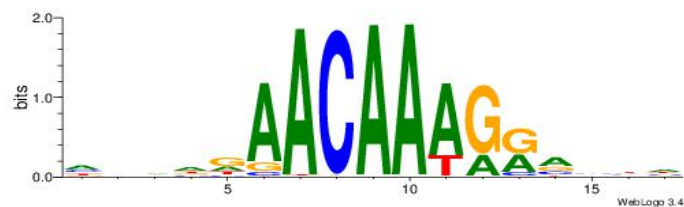
Alignment:

HHBBMCTTTGTTHDDBH
-ATKAYTTTG-----

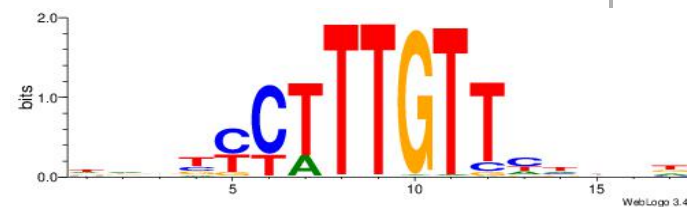
Original motif

Reverse complement motif

Consensus sequence: HBDDDAACAAAGRVBH



Consensus sequence: HHBBMCTTTGTTTHDDBH



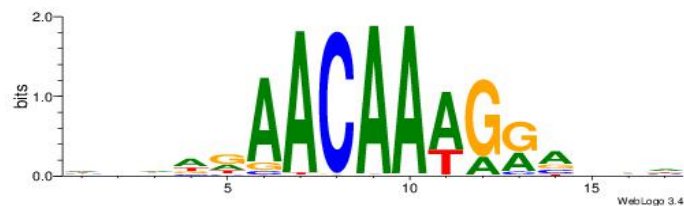
Motif ID: [UP00030](#)
Motif name: Sox11_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 9
Similarity score: 0.022524

Alignment:

HHBTMCTTTGTTMDDVH
-ATKAYTTTG-----

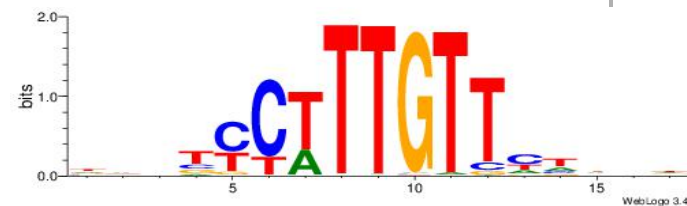
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



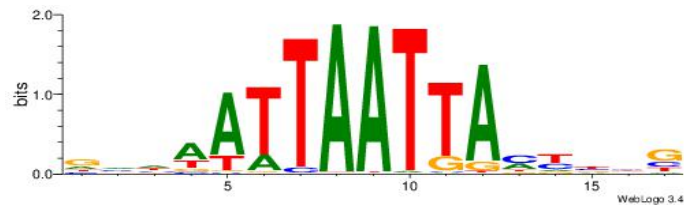
Motif ID: [UP00200](#)
 Motif name: Nkx6-1_2825.1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 9
 Similarity score: 0.0239738

Alignment:

DVHAATTAATTAMYBBG
 -----ATKAYTTTG

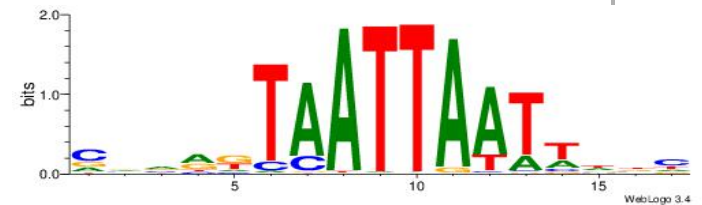
Original motif

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

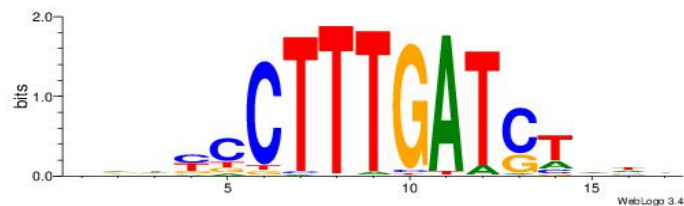
Alignment:

VDDAGATCAAAGGKDDD

-----CAA AKTYAT-

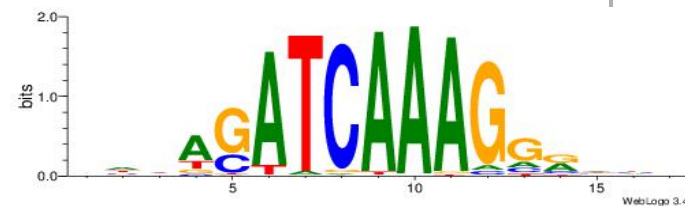
Original motif

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

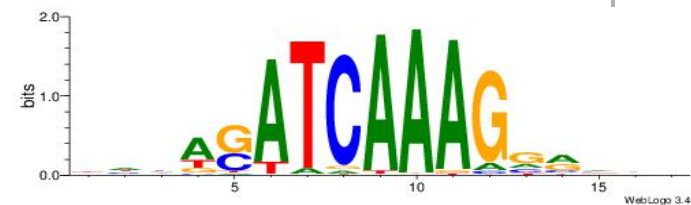
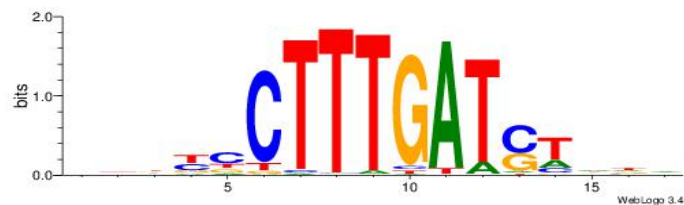
-ATKAYTTTG-----

Original motif

Consensus sequence: DDDYCCTTTGATSTDDV

Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDDD



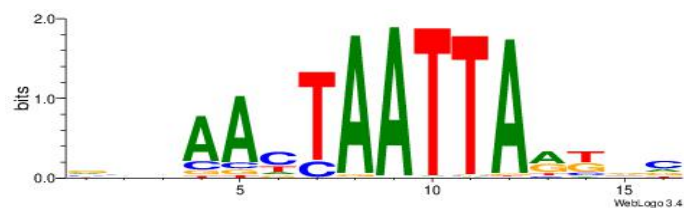
Motif ID: [UP00167](#)
 Motif name: En1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 9
 Similarity score: 0.0259902

Alignment:

VHRKTAATTAGTTVVV
 -----ATKAYTTTG-

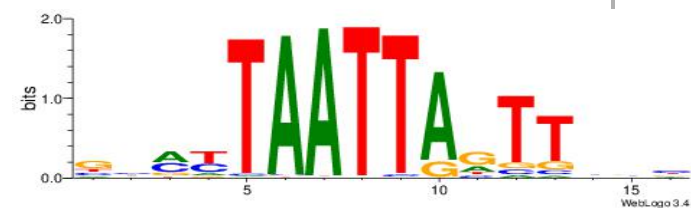
Original motif

Consensus sequence: VVVA ACTAATTARKDV



Reverse complement motif

Consensus sequence: VHRKTAATTAGTTVVV



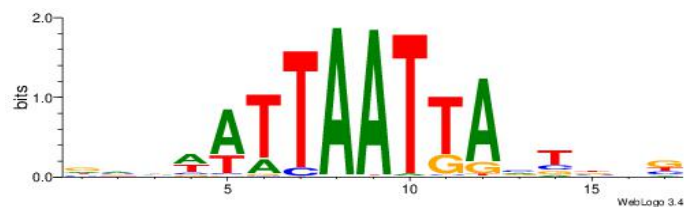
Motif ID: [UP00238](#)
 Motif name: Nkx6-3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 9
 Similarity score: 0.0262036

Alignment:

DVHWATTAATTAVTBBB
 -----ATKAYTTTG

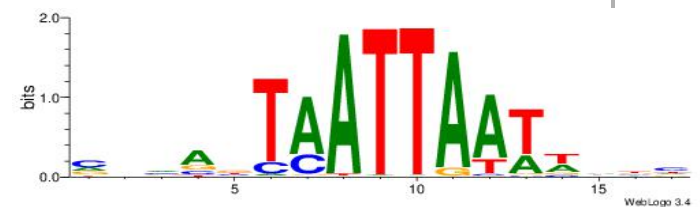
Original motif

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)

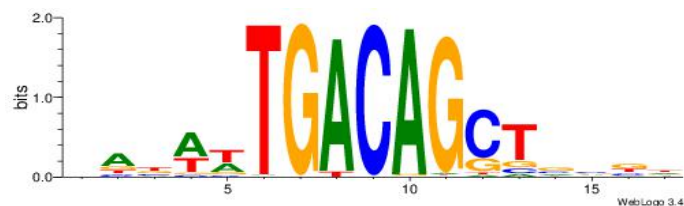
Motif ID: [UP00122](#)
 Motif name: Tgif1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0

Alignment:

DABWWTGACAGCTVVBD
 -----GTCACAGC-----

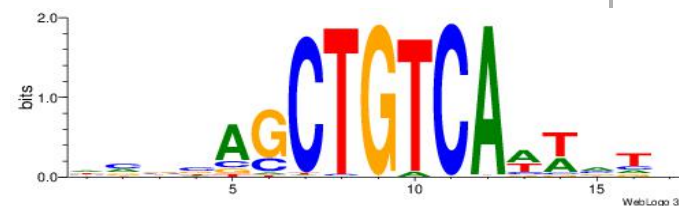
Original motif

Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



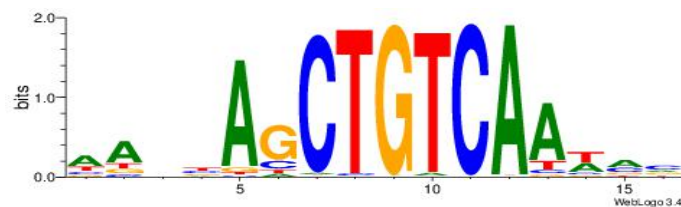
Motif ID: [UP00258](#)
 Motif name: Tgif2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.00241817

Alignment:

AAB BAGCTGTCAAWVV
 -----GCTGTGAC---

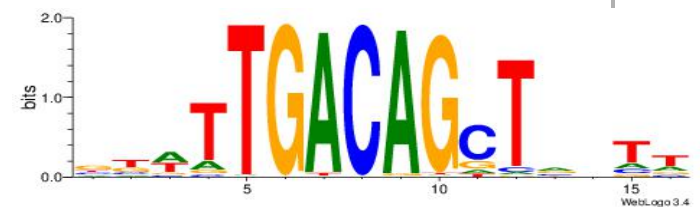
Original motif

Consensus sequence: AAB BAGCTGTCAAWVV



Reverse complement motif

Consensus sequence: VBWTTGACAGCTVBTT

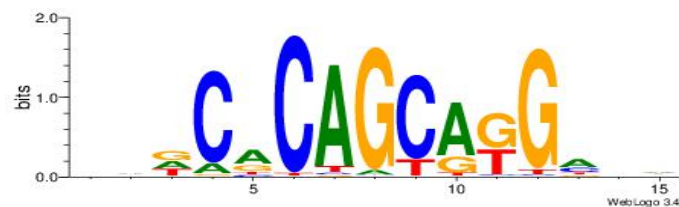


Motif ID: [UP00006](#)
 Motif name: Zic3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7

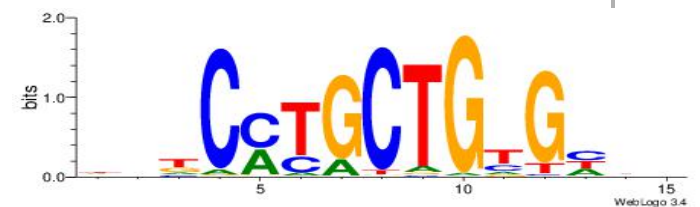
Number of overlap: 8
Similarity score: 0.00553853

Alignment:
DDDCACAGCAKGHVD
-GTCACAGC-----

Original motif
Consensus sequence: DDDCACAGCAKGHVD



Reverse complement motif
Consensus sequence: DVHCYTGCTGTGHDH



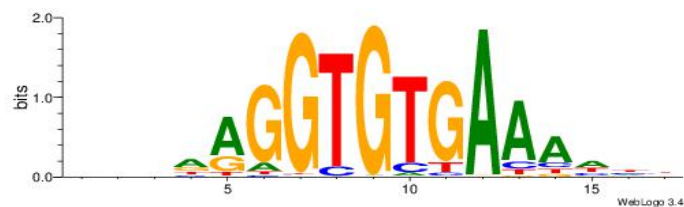
Motif ID: [UP00068](#)
Motif name: Eomes_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 8
Similarity score: 0.00578189

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

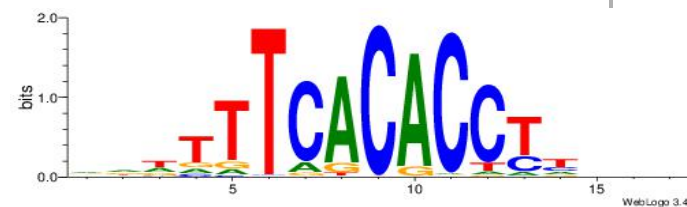
Original motif

Reverse complement motif

Consensus sequence: BVHDAGGTGTGAAHHH



Consensus sequence: HHHTTTCACACCTDHBV



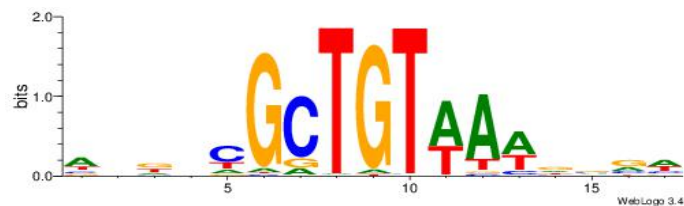
Motif ID: [UP00193](#)
Motif name: Rhox11_2205.1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 8
Similarity score: 0.00629536

Alignment:

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

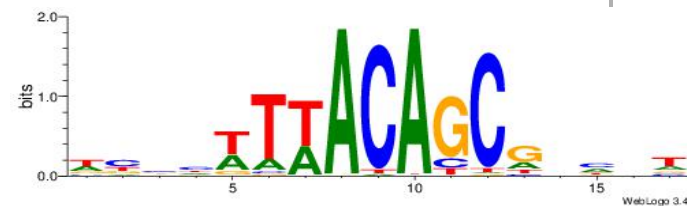
Original motif

Consensus sequence: AVDHCGCTGTWAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGHHVT



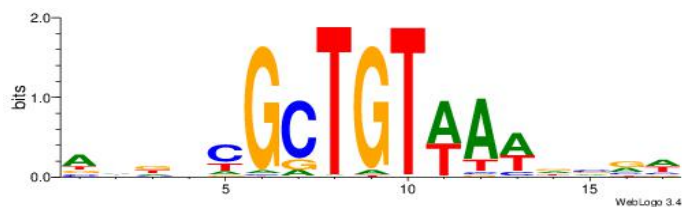
Motif ID: [UP00193](#)
 Motif name: Rhox11_1765.2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.00666342

Alignment:

AVDVCGCTGTWAWDVVW
 -----GCTGTGAC-----

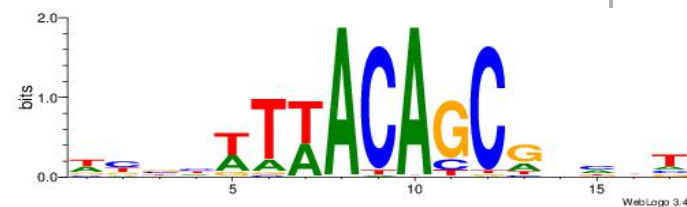
Original motif

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: Forward
 Position number: 6

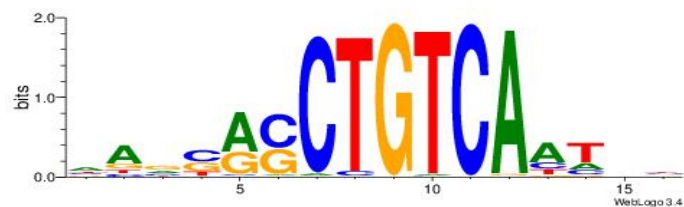
Number of overlap: 8
Similarity score: 0.00747692

Alignment:

HAVSRSCTGTCAATHB
-----GCTGTGAC---

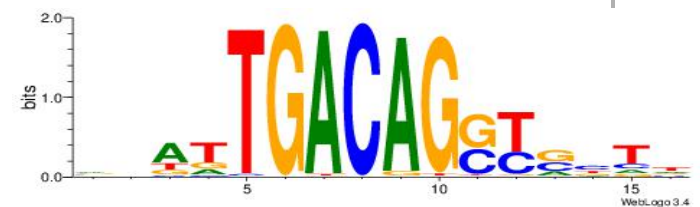
Original motif

Consensus sequence: HAVSRSCTGTCAATHB



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

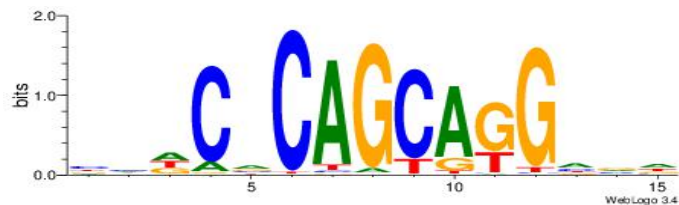
Alignment:

BHDCVCAGCAGGHVD
-GTCACAGC-----

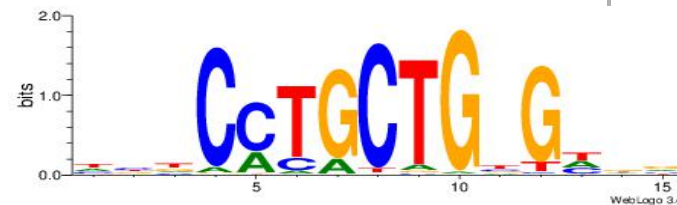
Original motif

Reverse complement motif

Consensus sequence: BHDCVCAGCAGGHVD



Consensus sequence: DVHCCTGCTGBGDDB



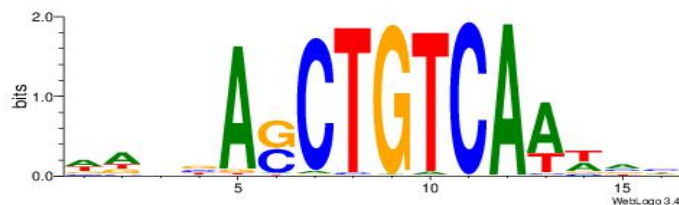
Motif ID: [UP00186](#)
Motif name: Meis1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 8
Similarity score: 0.00956623

Alignment:

WAVBASCTGTCAAWVH
-----GCTGTGAC---

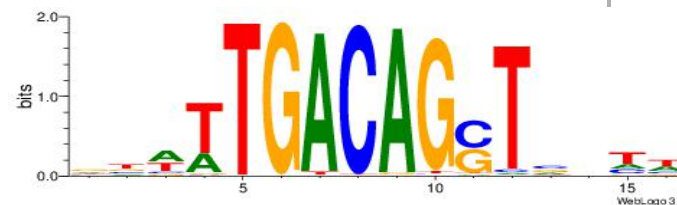
Original motif

Consensus sequence: WAVBASCTGTCAAWVH



Reverse complement motif

Consensus sequence: DBWTTGACAGSTBVTW



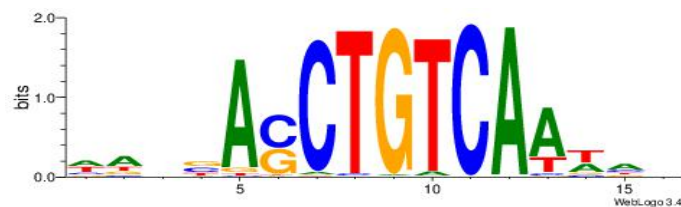
Motif ID: [UP00226](#)
 Motif name: Mrg1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0124611

Alignment:

WAVBASCTGTCAAWHB
 -----GCTGTGAC---

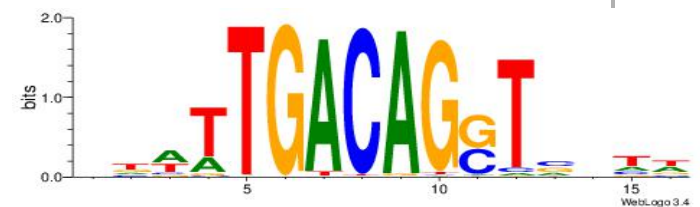
Original motif

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: TGAACCT



Best Matches for Motif ID 40 (Highest to Lowest)

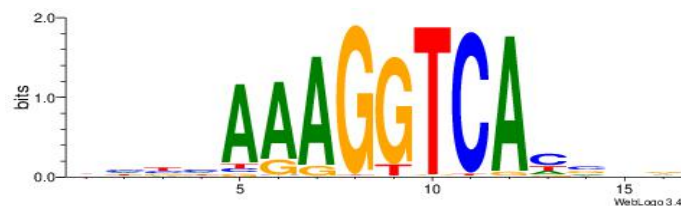
Motif ID: [UP00048](#)
 Motif name: Rara
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 7
 Similarity score: 0

Alignment:

DHBHAAAGGTCACVHD
 -----AAGTTCA-----

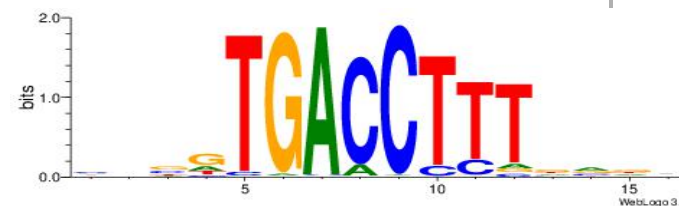
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD

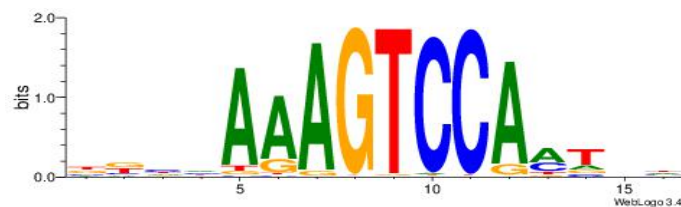


Motif ID: [UP00066](#)
 Motif name: Hnf4a_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 7
 Similarity score: 0.00516503

Alignment:
 HHAYTGGACTTTHDBV
 ----TGAAC TT-----

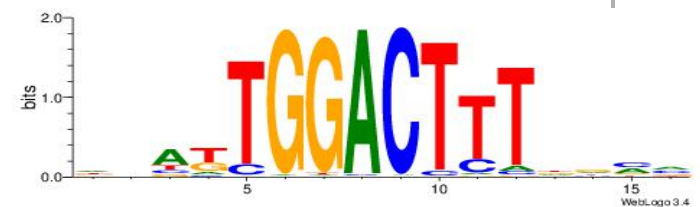
Original motif

Consensus sequence: BBHHAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTHDBV



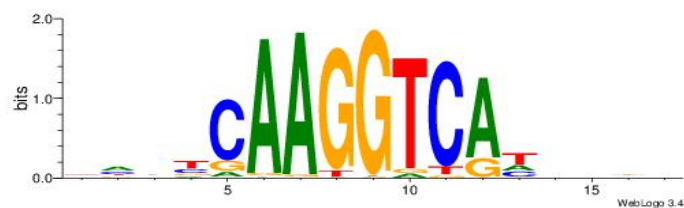
Motif ID: [UP00079](#)
 Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6

Number of overlap: 7
Similarity score: 0.00773155

Alignment:
DHDBCAAGGTCAHVBDH
-----AAGTTCA-----

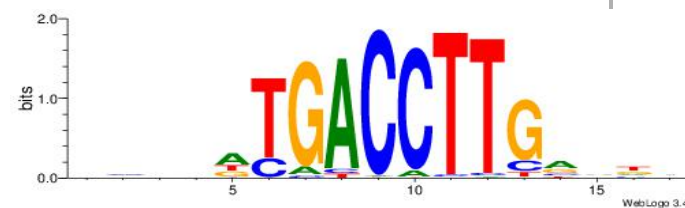
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



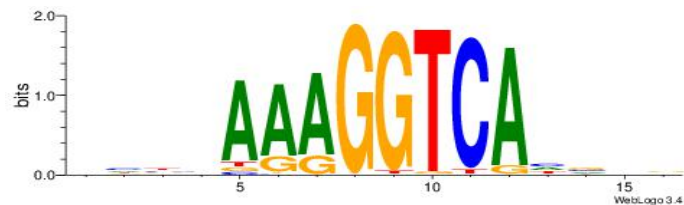
Motif ID: [UP00009](#)
Motif name: Nr2f2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 7
Similarity score: 0.00909243

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

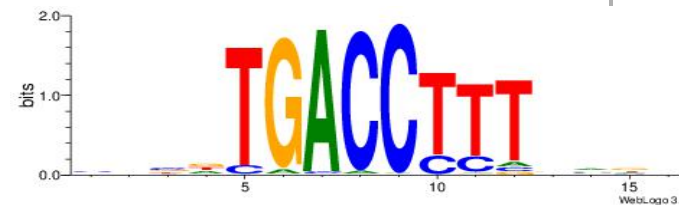
Original motif

Reverse complement motif

Consensus sequence: DHBHAAAGGTCAHVHB



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

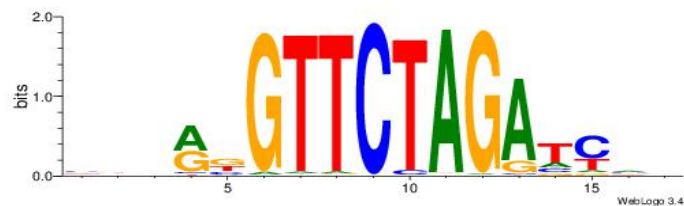
Alignment:

BBGATCTAGAACBKHDB

-----TGAAC TT----

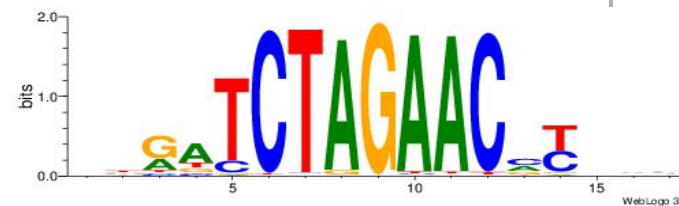
Original motif

Consensus sequence: BDHRBGTTCTAGATCVB



Reverse complement motif

Consensus sequence: BBGATCTAGAACBKHDB



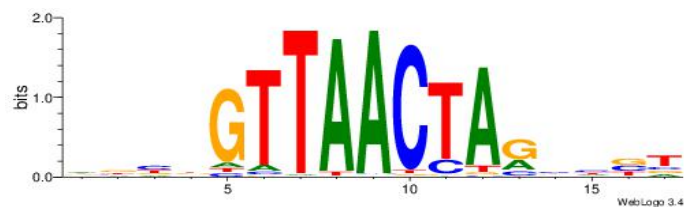
Motif ID: [UP00222](#)
 Motif name: Tcf2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 7
 Similarity score: 0.0379796

Alignment:

ABDBCTAGTTAACVBBD
 -----AAGTTCA-----

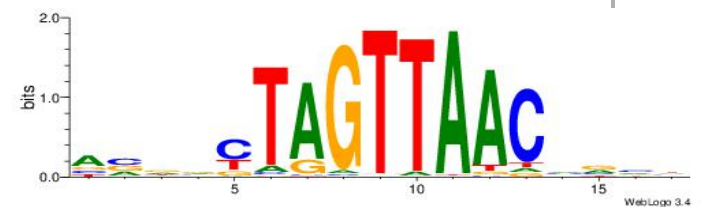
Original motif

Consensus sequence: DBBBGTTAACTAGBHBT



Reverse complement motif

Consensus sequence: ABDBCTAGTTAACVBBD



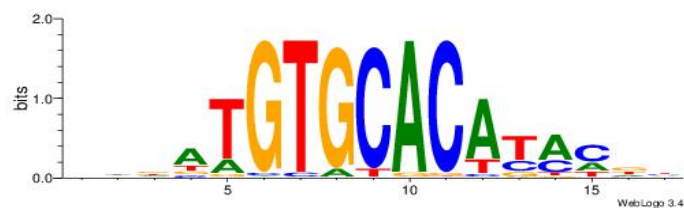
Motif ID: [UP00042](#)
 Motif name: Gm397_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7

Number of overlap: 7
Similarity score: 0.0388625

Alignment:
HHRTATGTGCACATHHD
-----AAGTTCA-----

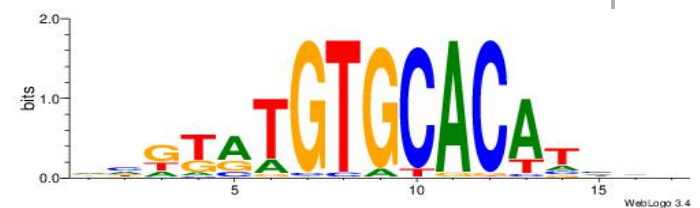
Original motif

Consensus sequence: HHDATGTGCACATAMDH



Reverse complement motif

Consensus sequence: HHRTATGTGCACATHHD



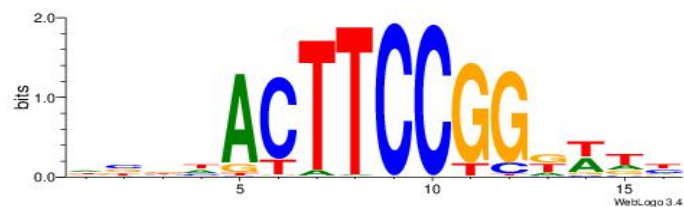
Motif ID: [UP00413](#)
Motif name: Elf4
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 7
Similarity score: 0.0421261

Alignment:
DBBHACTTCCGGKWTH
-TGAAC TT-----

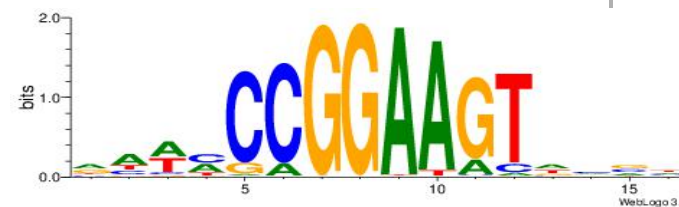
Original motif

Reverse complement motif

Consensus sequence: DBBHACTTCCGGKWITH



Consensus sequence: HAWYCCGGAAGTHBBD



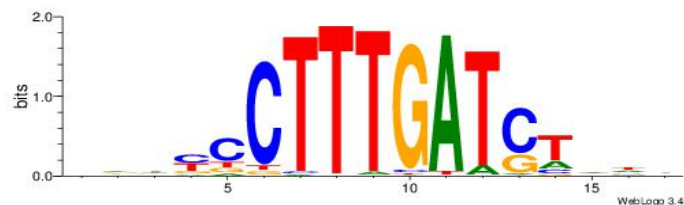
Motif ID: [UP00067](#)
Motif name: Lef1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 9
Number of overlap: 7
Similarity score: 0.0424658

Alignment:

VDDAGATCAAAGGKDDD
--AAGTTCA-----

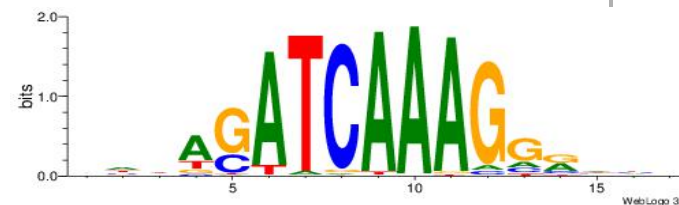
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD

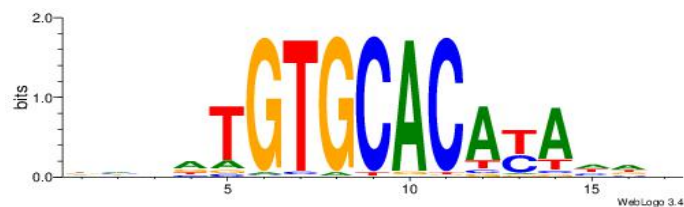


Motif ID: [UP00026](#)
 Motif name: Zscan4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 7
 Similarity score: 0.0427674

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

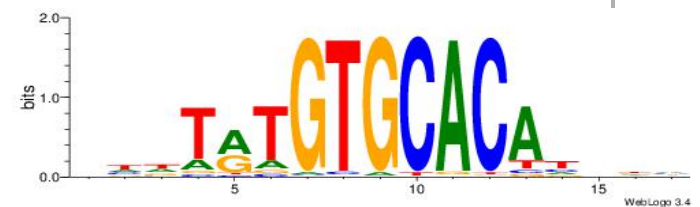
Original motif

Consensus sequence: DHVDTGTGCACAYAHDH



Reverse complement motif

Consensus sequence: HDHTMTGTGCACADVHD



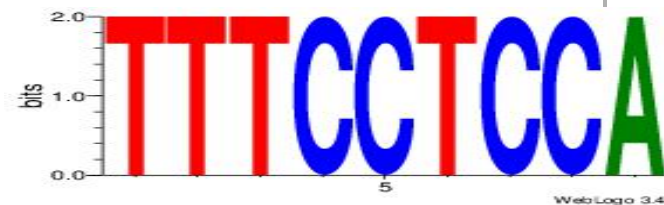
Dataset #: 1 Motif ID: 41 Motif name: Motif 41

Original motif

Consensus sequence: TGGAGGAAA

Reverse complement motif

Consensus sequence: TTTCTCCA



Best Matches for Motif ID 41 (Highest to Lowest)

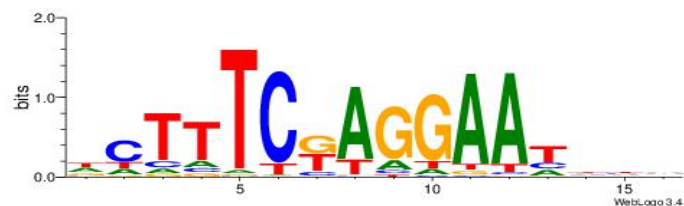
Motif ID: [UP00043](#)
 Motif name: Bcl6b_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 9
 Similarity score: 0

Alignment:

VHHATTCCTYGAAAGD
 ---TTTCCTCCA----

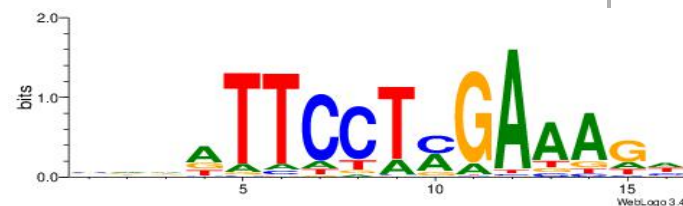
Original motif

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---

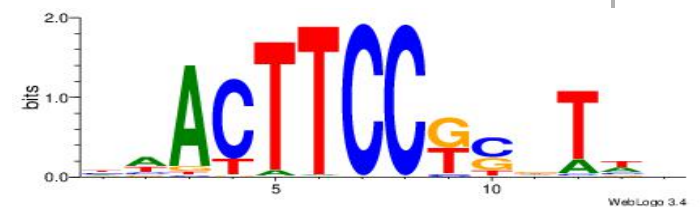
Original motif

Consensus sequence: BWAHSMGGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRSDTWV

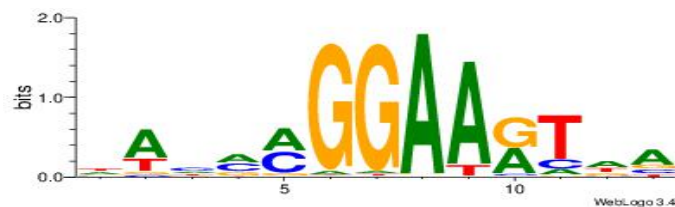


Motif ID: [UP00090](#)
 Motif name: Elf3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4

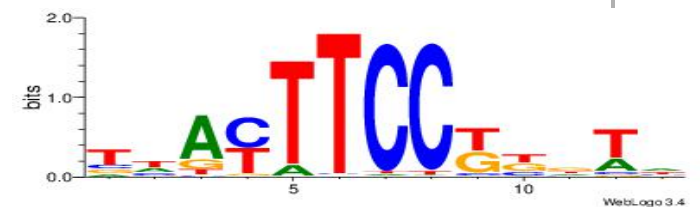
Number of overlap: 9
Similarity score: 0.0126625

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---

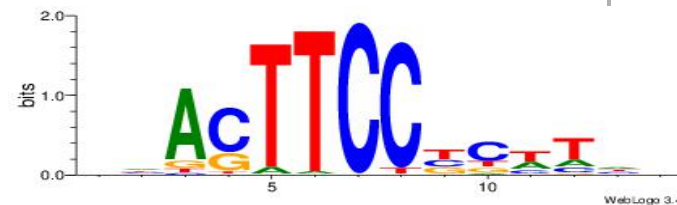
Original motif

Reverse complement motif

Consensus sequence: BDAWGVGGAAGTDH



Consensus sequence: HDACTTCCBCWTDV



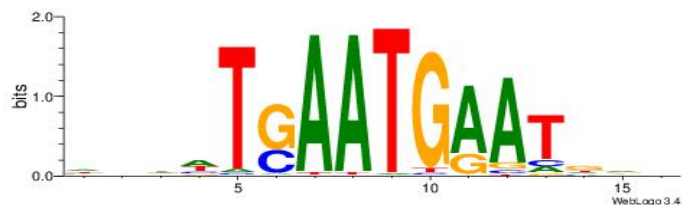
Motif ID: [UP00055](#)
Motif name: Hbp1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 9
Similarity score: 0.0140163

Alignment:

HHDWTSATGAATDDB
----TGGAGGAAA---

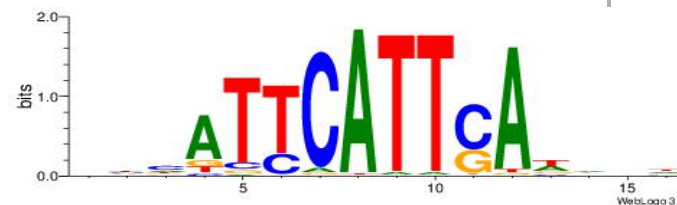
Original motif

Consensus sequence: HHDWTSATGAATDDB



Reverse complement motif

Consensus sequence: VDHATTCAATSAWDDH



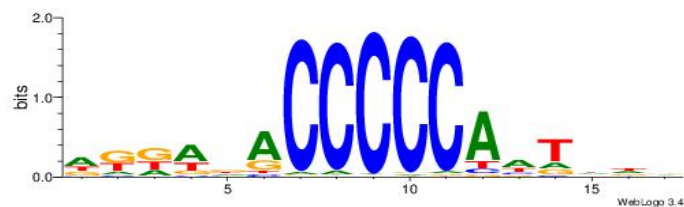
Motif ID: [UP00021](#)
 Motif name: Zfp281_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 9
 Similarity score: 0.0142598

Alignment:

DKKWDACCCCAHTDDV
 ---TTCCTCCA-----

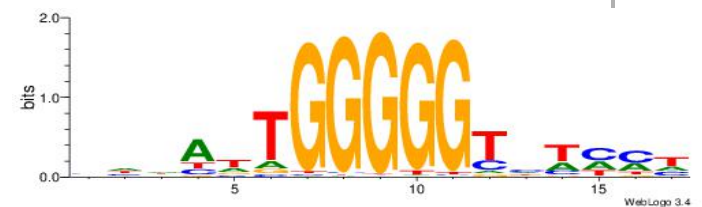
Original motif

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

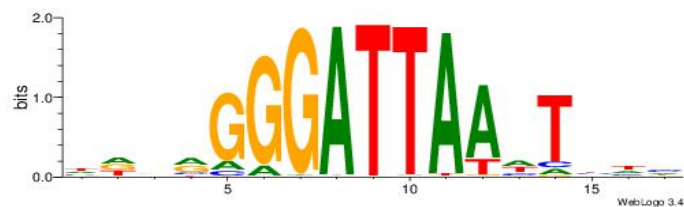
Number of overlap: 9
Similarity score: 0.0161902

Alignment:

DHHAHTTAATCCCKVDH
-----TTCCTCCA-----

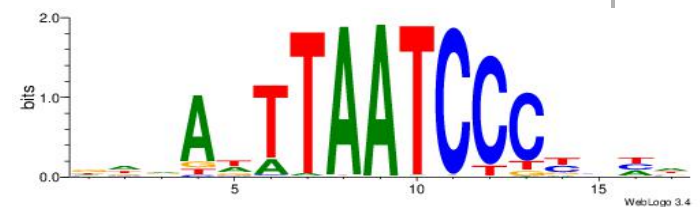
Original motif

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---

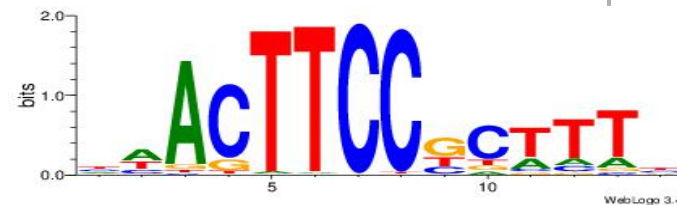
Original motif

Reverse complement motif

Consensus sequence: VAAAGMGGGAAGTWD



Consensus sequence: DWACTTCCRCTTTB



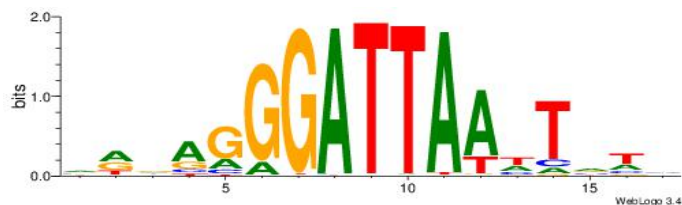
Motif ID: [UP00208](#)
Motif name: Obox5_3963.2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 9
Similarity score: 0.0175071

Alignment:

VWBAHTTAATCCCTVKB
-----TTTCCTCCA-----

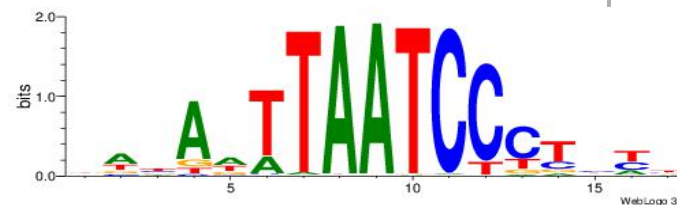
Original motif

Consensus sequence: VRVAGGGATTAAHTVWV



Reverse complement motif

Consensus sequence: VWBAHTTAATCCCTVKB



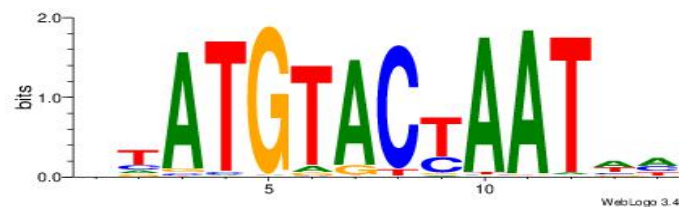
Motif ID: [UP00082](#)
 Motif name: Zfp187_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 9
 Similarity score: 0.017867

Alignment:

HWATTAGTACATAV
 --TTTCCTCCA---

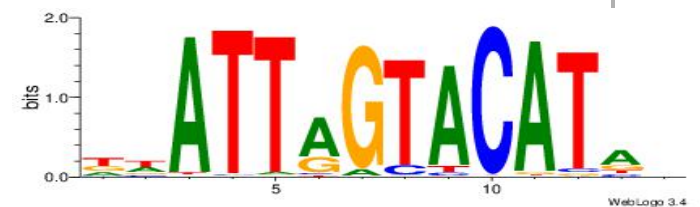
Original motif

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)

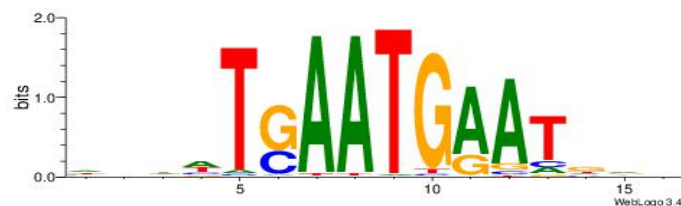
Motif ID: [UP00055](#)
 Motif name: Hbp1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0

Alignment:

HHDWTSAAATGAATDDB
 ----TGAATGAA----

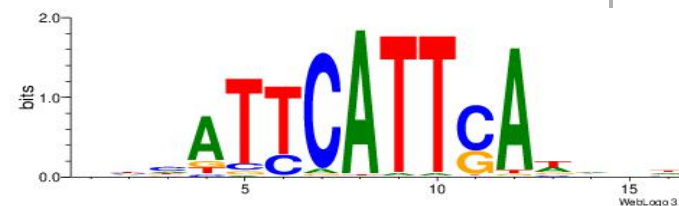
Original motif

Consensus sequence: HHDWTSAAATGAATDDB



Reverse complement motif

Consensus sequence: VDHATTCATTSAWDDH



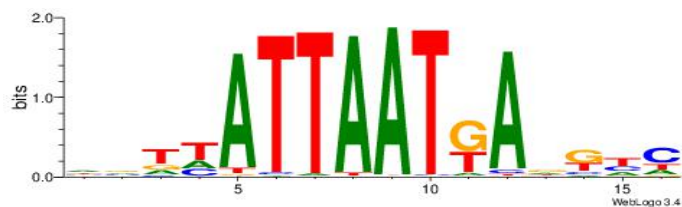
Motif ID: [UP00118](#)
 Motif name: Pou4f3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0420896

Alignment:

HVTTATTAATKADKHC
 -----TGAATGAA---

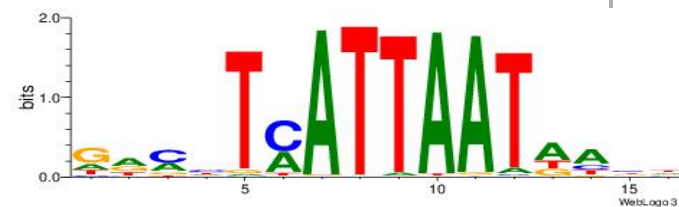
Original motif

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

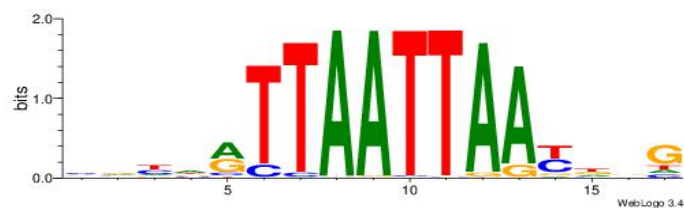
Number of overlap: 8
Similarity score: 0.0426251

Alignment:

CHDMTTAATTAAKDHVV
-----TTCATTCA-----

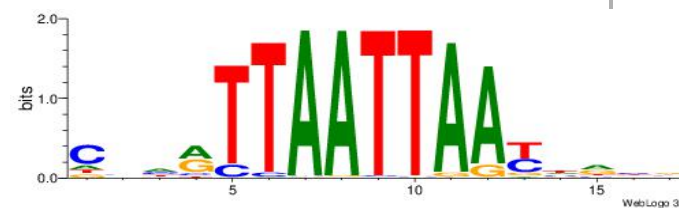
Original motif

Consensus sequence: VVHDRTTAATTAAYDDG



Reverse complement motif

Consensus sequence: CHDMTTAATTAAKDHVV



Motif ID: [UP00130](#)
Motif name: Lhx3
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 8
Similarity score: 0.0427891

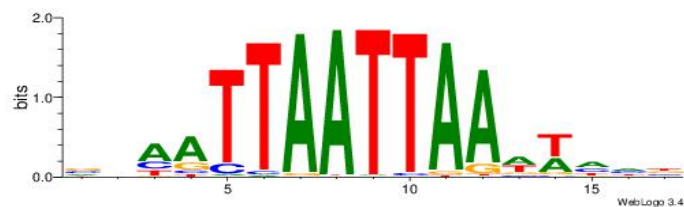
Alignment:

VHHWTTAATTAATTDV
-----TGAATGAA-----

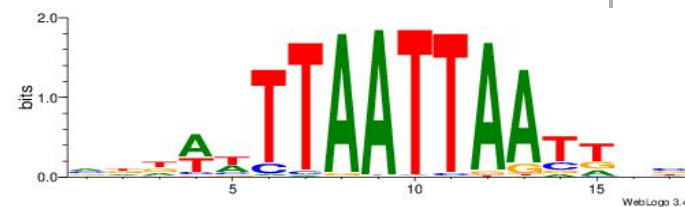
Original motif

Reverse complement motif

Consensus sequence: VDAATTAATTAAWWHHB



Consensus sequence: VHHWTTAATTAATTDV



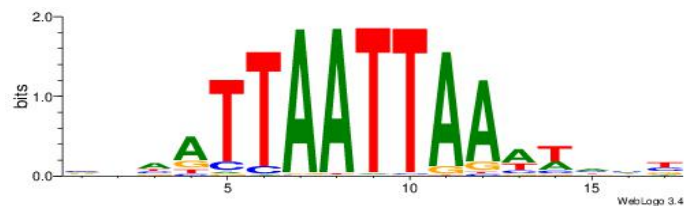
Motif ID: [UP00212](#)
Motif name: Lhx5
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 8
Similarity score: 0.044202

Alignment:

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

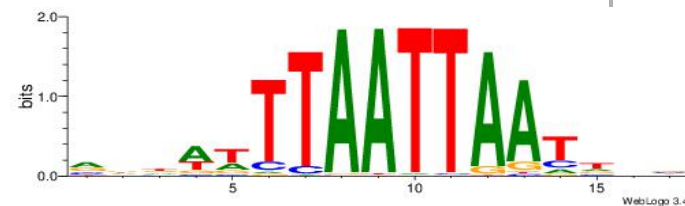
Original motif

Consensus sequence: VDHATTAATTAAAWHHB



Reverse complement motif

Consensus sequence: VDHWTTTAATTAATHHV



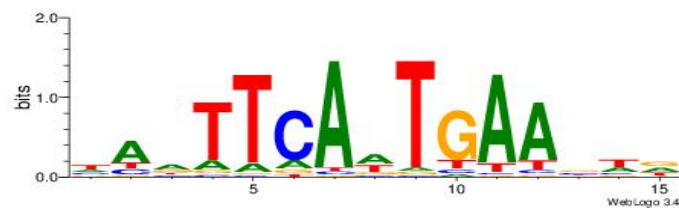
Motif ID: [UP00012](#)
 Motif name: Bbx_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0451439

Alignment:

HWBTTCAWTGAADTH
 ---TTCATTCA----

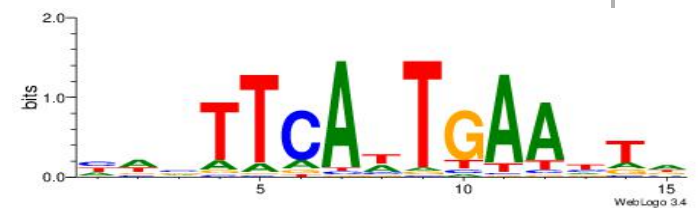
Original motif

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: Forward
 Position number: 5

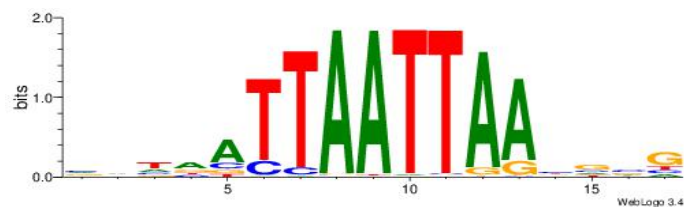
Number of overlap: 8
Similarity score: 0.0455949

Alignment:

CVVBTTAATTAATDHDV
-----TGAATGAA-----

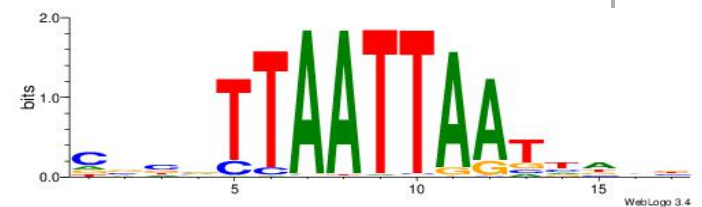
Original motif

Consensus sequence: VDHDATTAATTAABVVG



Reverse complement motif

Consensus sequence: CVVBTTAATTAATDHDV



Motif ID: [UP00172](#)
Motif name: Prop1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 8
Similarity score: 0.0460946

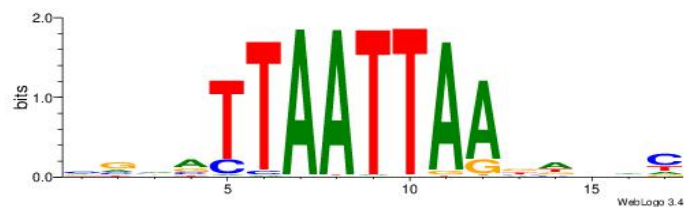
Alignment:

GDDDBTTAATTAABBVV
-----TGAATGAA-----

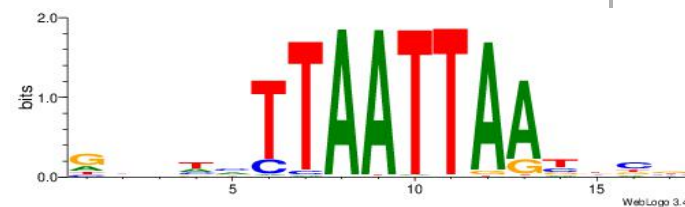
Original motif

Reverse complement motif

Consensus sequence: VVVVTTAATTAABDDDC



Consensus sequence: GDDDBTTAATTAABBVV



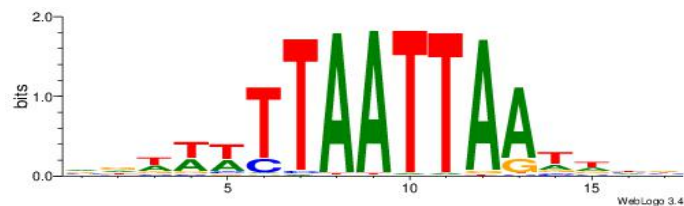
Motif ID: [UP00169](#)
Motif name: Lmx1b
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 8
Similarity score: 0.048175

Alignment:

BHDATTAATTAAWWWHB
-----TGAATGAA-----

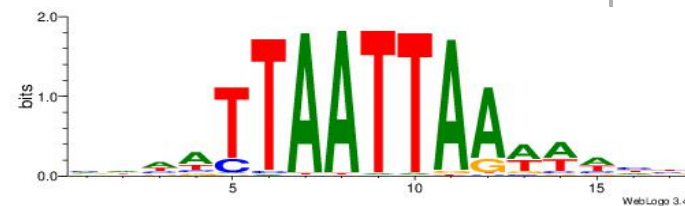
Original motif

Consensus sequence: VDWWTTAATTAATDHB



Reverse complement motif

Consensus sequence: BHDATTAATTAAWWWHB



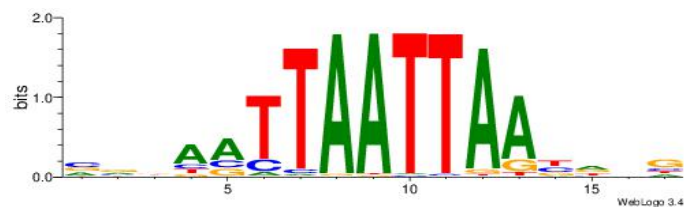
Motif ID: [UP00149](#)
 Motif name: Phox2b
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0491281

Alignment:

CBDVTTAATTAATTBVV
 ----TTCATTCA-----

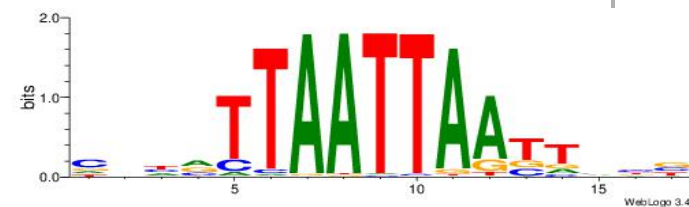
Original motif

Consensus sequence: VVBAATTAATTAABDBG



Reverse complement motif

Consensus sequence: CBDVTTAATTAATTBVV



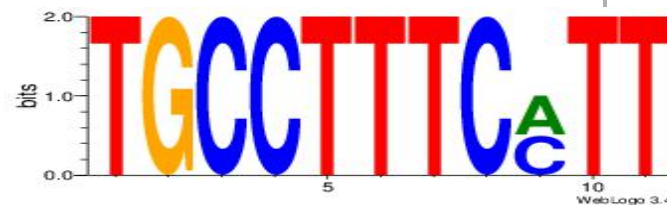
Dataset #: 1 Motif ID: 43 Motif name: Motif 43

Original motif

Consensus sequence: AAKGAAAGGCA

Reverse complement motif

Consensus sequence: TGCCTTTCYTT



Best Matches for Motif ID 43 (Highest to Lowest)

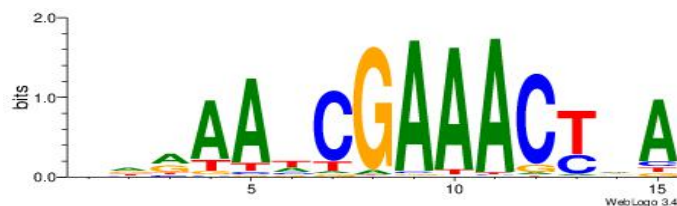
Motif ID: [UP00074](#)
 Motif name: Isgf3g_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.012358

Alignment:

TDAGTTTCGWTTKDV
 TGCCTTTCYTT----

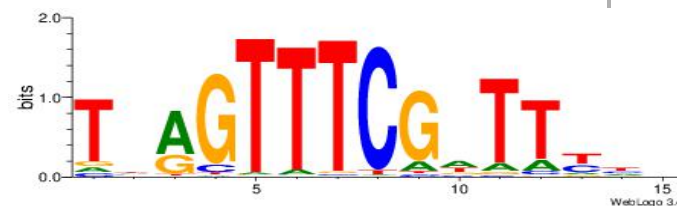
Original motif

Consensus sequence: VDRAAWCGAAACTDA



Reverse complement motif

Consensus sequence: TDAGTTTCGWTTKDV



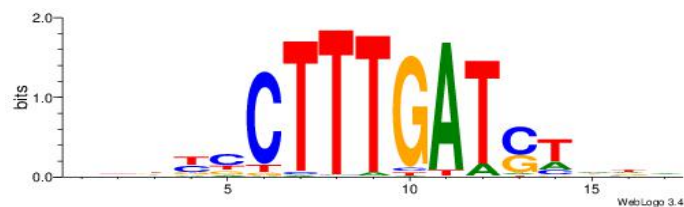
Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.014351

Alignment:

BDDASATCAAAGGMDDD
 ----AAKGAAAGGCA--

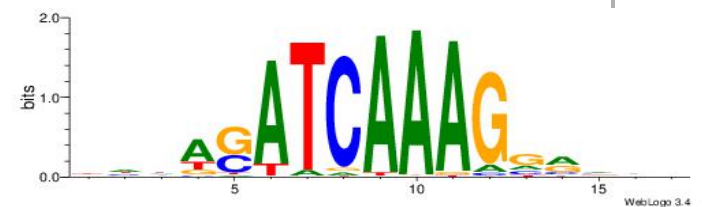
Original motif

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

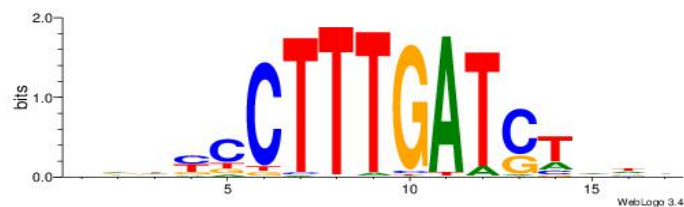
Number of overlap: 11
Similarity score: 0.015991

Alignment:

VDDAGATCAAAGGKDDD
----AAKGAAAGGCA--

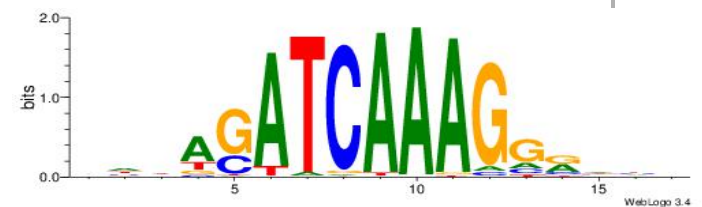
Original motif

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

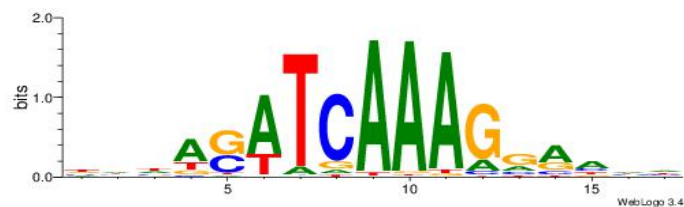
Alignment:

BHHASATCAAAGGAHHH
----AAKGAAAGGCA--

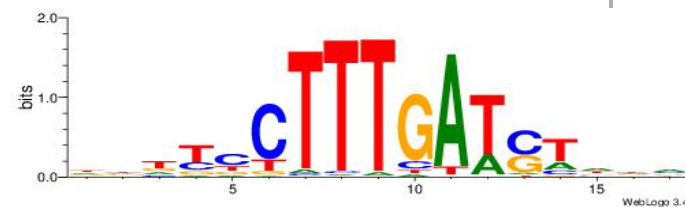
Original motif

Reverse complement motif

Consensus sequence: BHHASATCAAAGGAHHH



Consensus sequence: HHHTCCTTTGATSTHHV



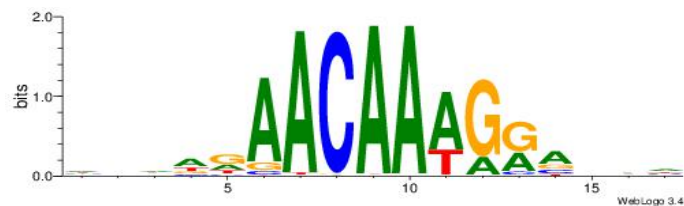
Motif ID: [UP00030](#)
Motif name: Sox11_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 11
Similarity score: 0.0233703

Alignment:

HHBTMCTTTGTTMDDVH
--TGCCTTTCYTT----

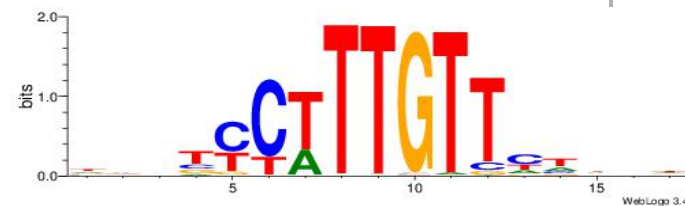
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH

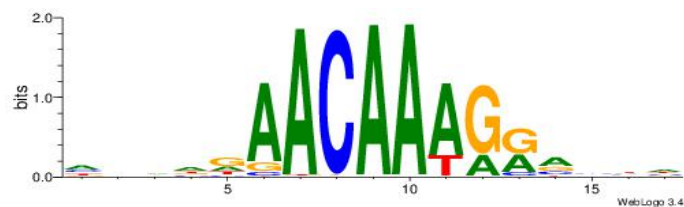


Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0234975

Alignment:
 HHBBMCTTTGTTHDDBH
 --TGCCTTTCYTT----

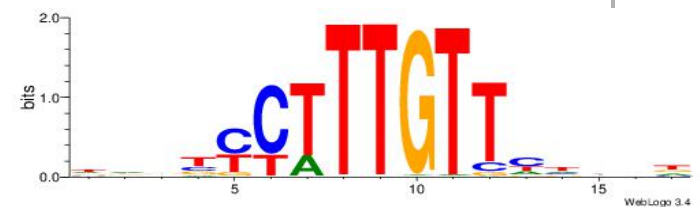
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH



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

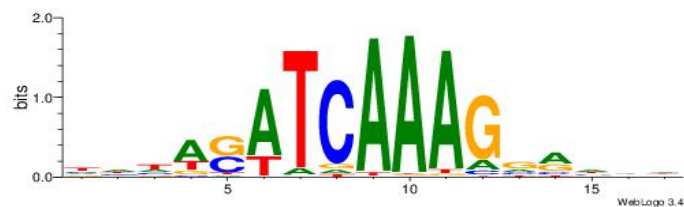
Number of overlap: 11
Similarity score: 0.0239255

Alignment:

HHHASATCAAAGVRHHH
----AAKGAAAGGCA--

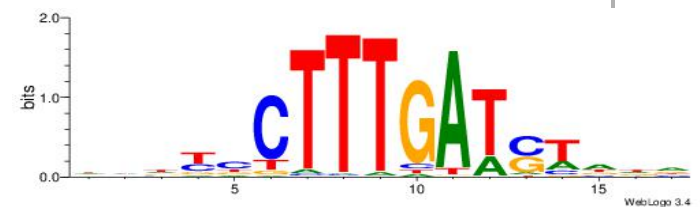
Original motif

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

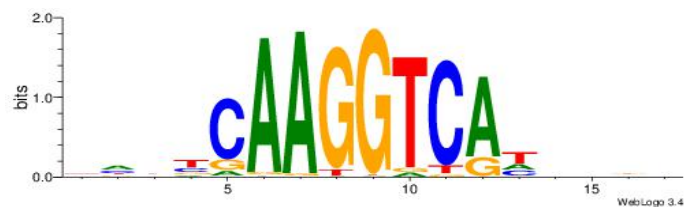
Alignment:

DHDBCAAGGTCAHVBDH
-AAKGAAAGGCA-----

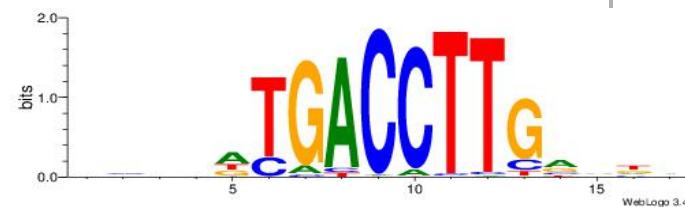
Original motif

Reverse complement motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Consensus sequence: HHBVHTGACCTTGVDHD



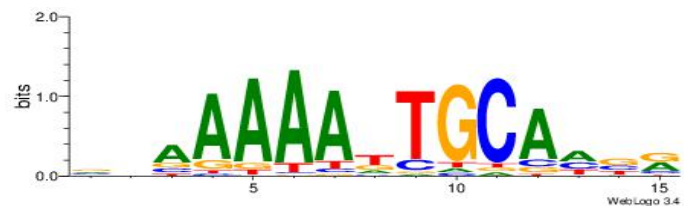
Motif ID: [UP00044](#)
Motif name: Mafk_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0264082

Alignment:

MBHTGCADTTTTTHV
---TGCCTTTCYTT-

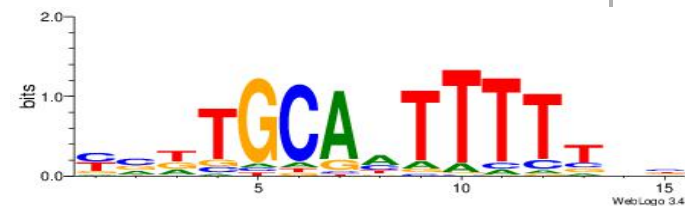
Original motif

Consensus sequence: VHAAAAADTGCAHBR



Reverse complement motif

Consensus sequence: MBHTGCADTTTTTHV



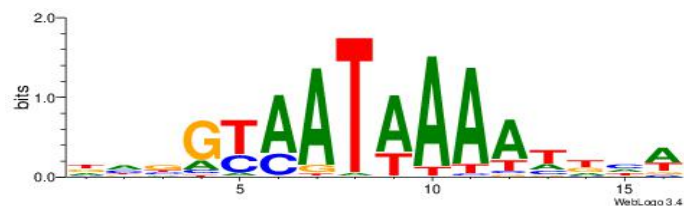
Motif ID: [UP00217](#)
 Motif name: Hoxa10
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0273937

Alignment:

DHBGYAATAAAATDHW
 -----AAKGAAAGGCA

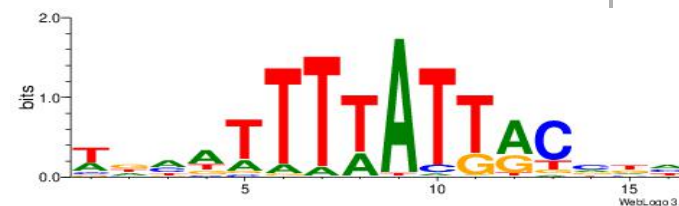
Original motif

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)

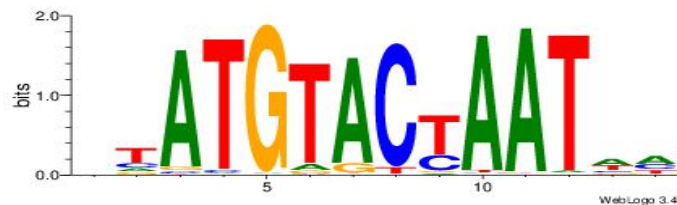
Motif ID: [UP00082](#)
Motif name: Zfp187_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 10
Similarity score: 0.0293208

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

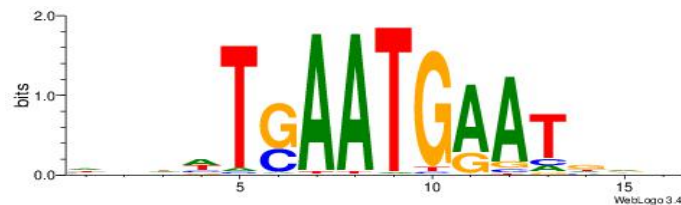
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	7
Number of overlap:	10
Similarity score:	0.0314105

Alignment:

```
VDHATTCATTSAWDDH
TTCTTYCATT-----
```

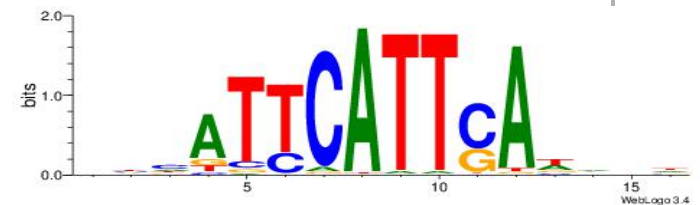
Original motif

Consensus sequence: HHDWTSATGAATDDB



Reverse complement motif

Consensus sequence: VDHATTCATTSAWDDH



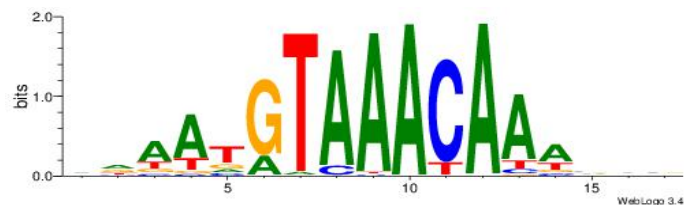
Motif ID:	UP00025
Motif name:	Foxk1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	6
Number of overlap:	10
Similarity score:	0.0385918

Alignment:

DDAATGTAAACAAAVVB
--AATGKAAGAA-----

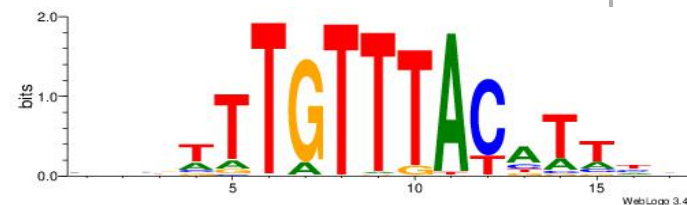
Original motif

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:	Backward
Position number:	6
Number of overlap:	10
Similarity score:	0.0392784

Alignment:

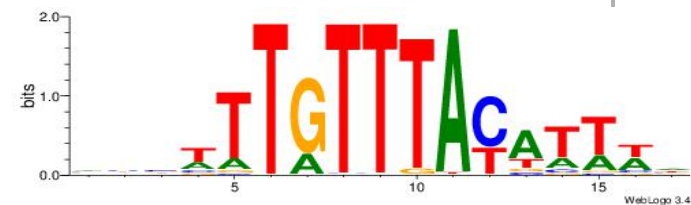
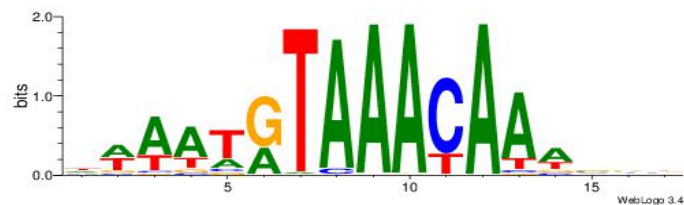
DWAATRTAAACAAWVVB
--AATGKAAGAA-----

Original motif

Consensus sequence: DWAATRTAAACAAWVVB

Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD

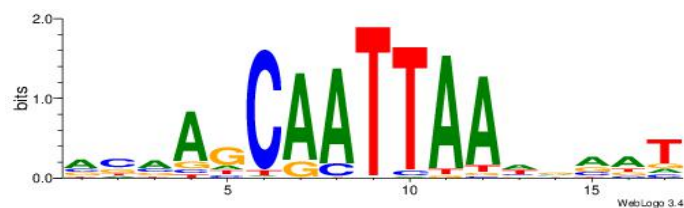


Motif ID: [UP00157](#)
 Motif name: Hmx3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0433812

Alignment:
 ATBVHTTAATTGCTBBB
 -TTCTTYCATT-----

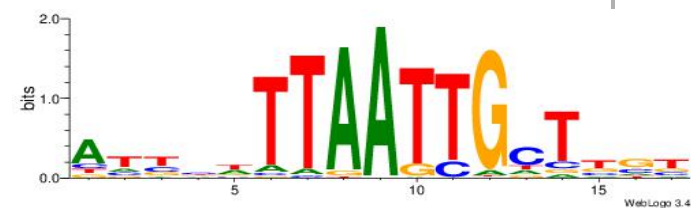
Original motif

Consensus sequence: VBVAGCAATTAAHVVAT



Reverse complement motif

Consensus sequence: ATBVHTTAATTGCTBBB



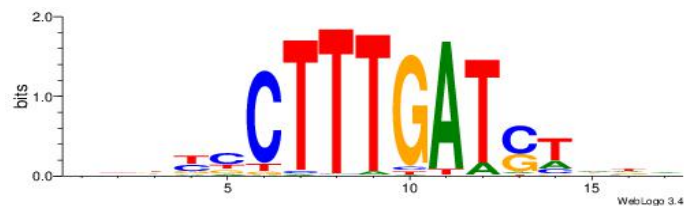
Motif ID: [UP00083](#)

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----

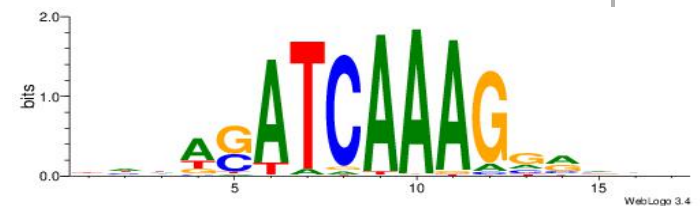
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDDD



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

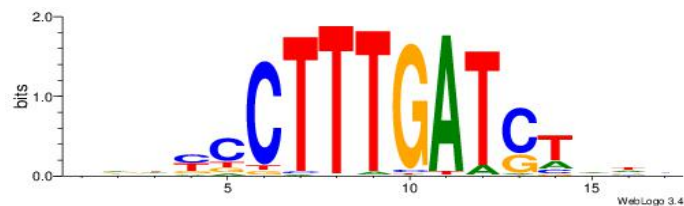
Alignment:

DDDYCCTTTGATCTDDV

---TTCTTYCATT----

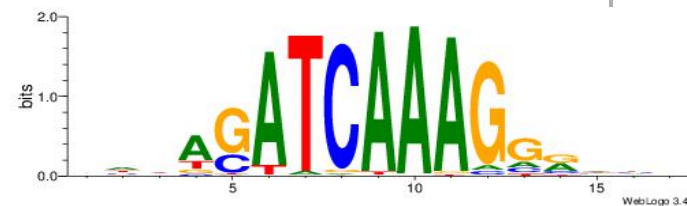
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDD



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

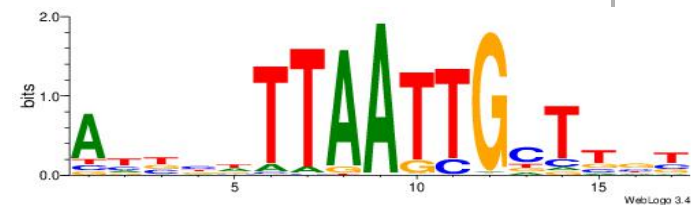
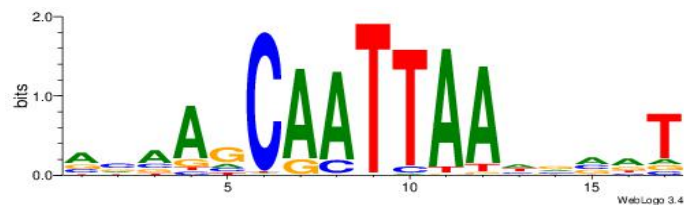
-TTCTTYCATT-----

Original motif

Consensus sequence: VVAAGCAATTAAHVVD

Reverse complement motif

Consensus sequence: ADBVHTTAATTGCTTVB



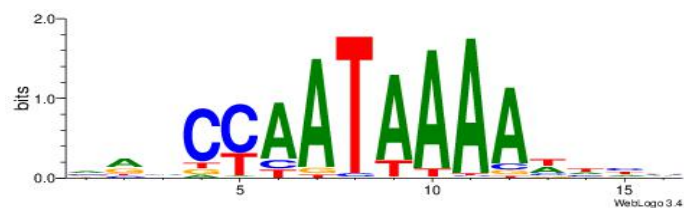
Motif ID: [UP00134](#)
 Motif name: Hoxb13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0479046

Alignment:

VDHWTTTATTGGDKB
 -TTCTTYCATT-----

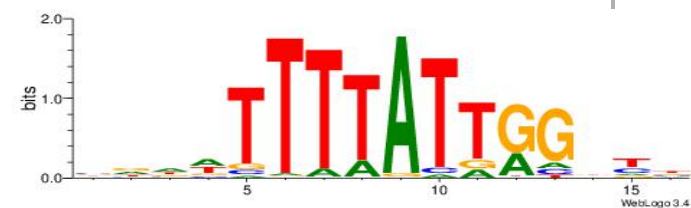
Original motif

Consensus sequence: VRHCCAATAAAWHHV



Reverse complement motif

Consensus sequence: VDHWT TTTATTGGDKB



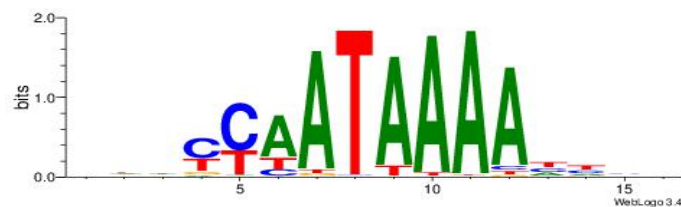
Motif ID: [UP00180](#)
 Motif name: Hoxd13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0481894

Alignment:

HDHHTTTTATTKKHDD
 -TTCTTYCATT-----

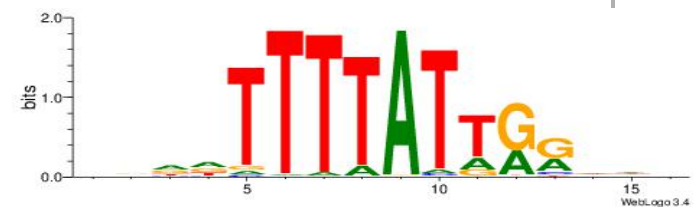
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

Consensus sequence: HDHHTTTTATTKKHDD



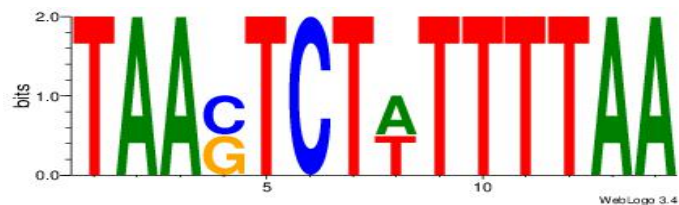
Dataset #: 1 Motif ID: 45 Motif name: Motif 45

Original motif

Consensus sequence: TAASTCTWTTTAA

Reverse complement motif

Consensus sequence: TTAAAWAGASTTA



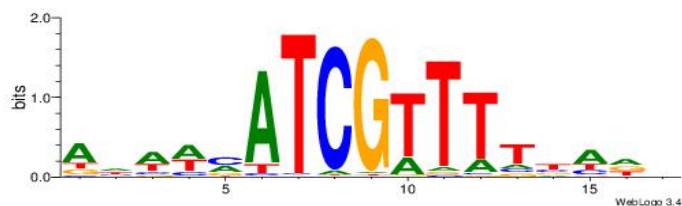
Best Matches for Motif ID 45 (Highest to Lowest)

Motif ID: [UP00114](#)
 Motif name: Homez
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0426024

Alignment:
 AHWWMATCGTTTTBADD
 --TAASTCTWTTTTAA--

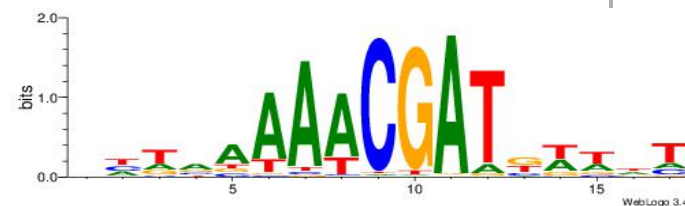
Original motif

Consensus sequence: AHWWMATCGTTTTBADD



Reverse complement motif

Consensus sequence: HDTVAAAACGATRWHT



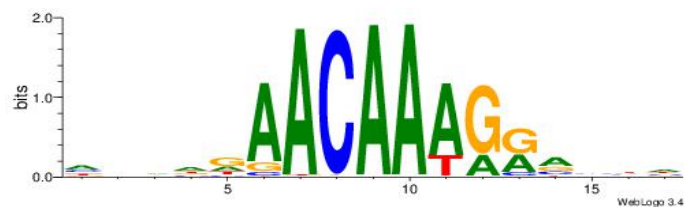
Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.04935

Alignment:

HBDDDAACAAAGRVBHH
 ---TTAAAWAGASTTA

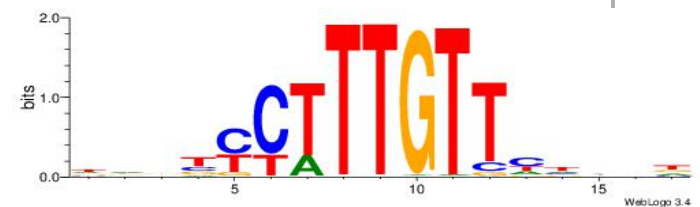
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH



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

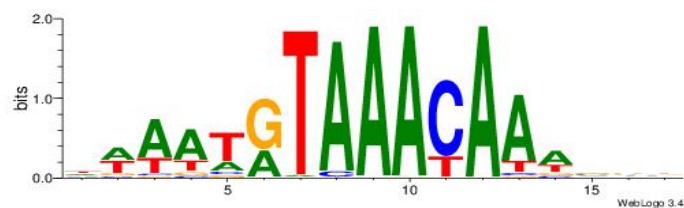
Number of overlap: 13
Similarity score: 0.542468

Alignment:

-VVVWTTGTTTAMATTWD
TAASTCTWTTTAA-----

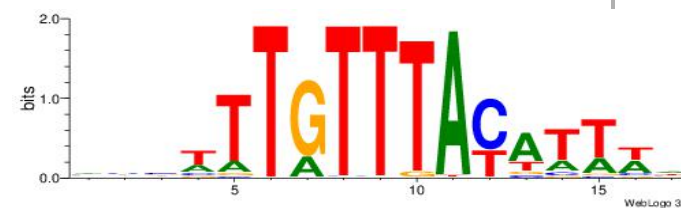
Original motif

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

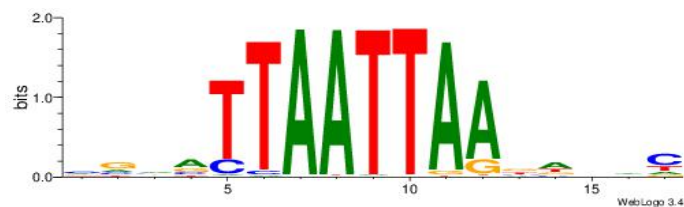
Alignment:

VVVVTTAATTAABDDDC-
-----TTAAAWAGASTTA

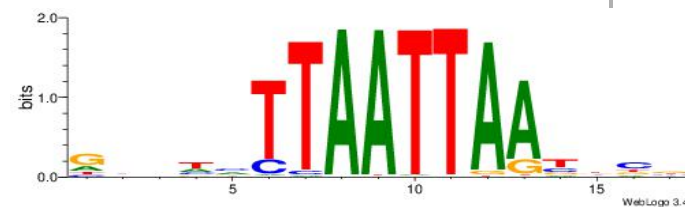
Original motif

Reverse complement motif

Consensus sequence: VVVVTTAATTAABDDDC



Consensus sequence: GDDDBTTAATTAABBVV



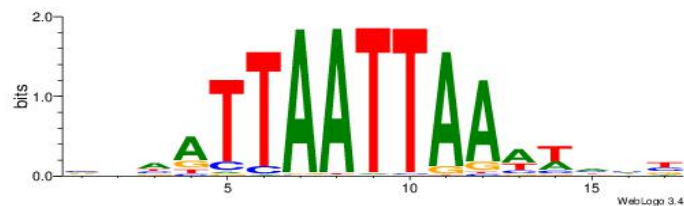
Motif ID: [UP00212](#)
Motif name: Lhx5
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 13
Similarity score: 0.547386

Alignment:

-VDHWTTTAATTAATHHV
TAASTCTWTTTAA-----

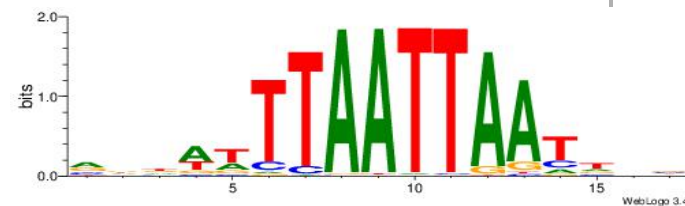
Original motif

Consensus sequence: VDHATTAATTAAAWHHB



Reverse complement motif

Consensus sequence: VDHWTTTAATTAATHHV



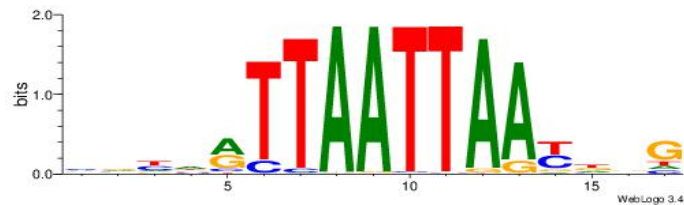
Motif ID: [UP00237](#)
 Motif name: Otp
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.548444

Alignment:

-CHDMTTAATTAAKDHVV
 ---TTAAAWAGASTTA-

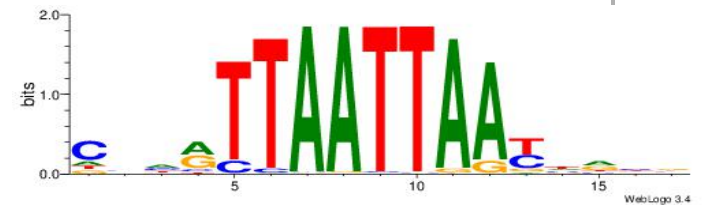
Original motif

Consensus sequence: VVHDRTTAATTAAYDDG



Reverse complement motif

Consensus sequence: CHDMTTAATTAAKDHVV



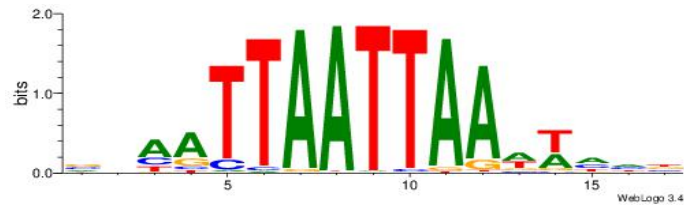
Motif ID: [UP00130](#)
 Motif name: Lhx3
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.548839

Alignment:

-VHHWWTTAATTAATTDV
---TTAAAAWAGASTTA-

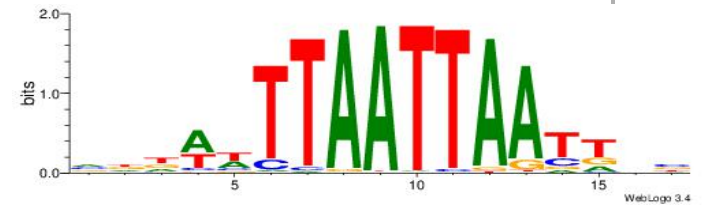
Original motif

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:

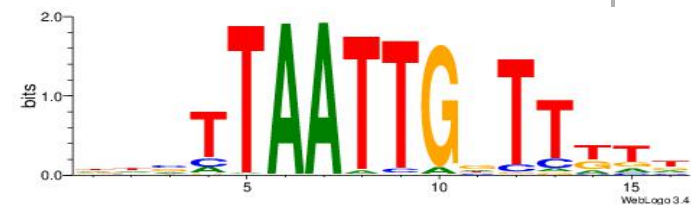
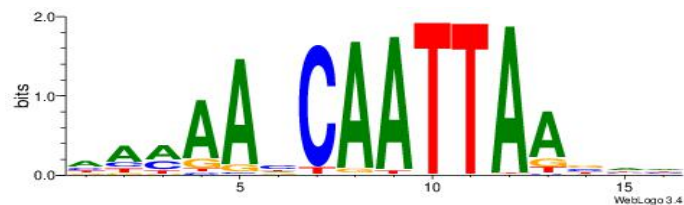
--HAMAAHCAATTAABHH
--TAASTCTWTTTAA--

Original motif

Consensus sequence: HAMAAHCAATTAABHH

Reverse complement motif

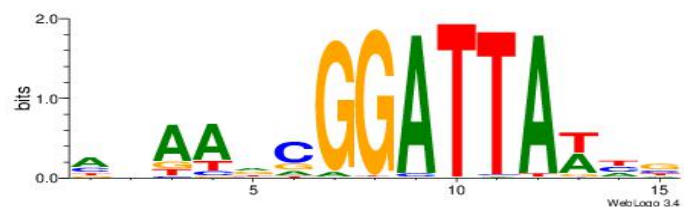
Consensus sequence: HHBTTAATTGDTTYTH



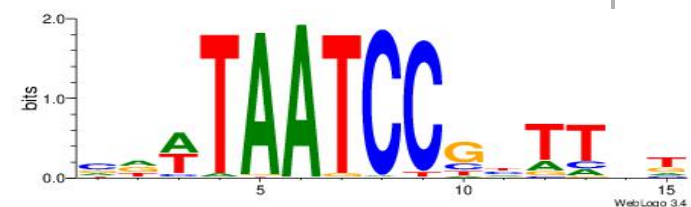
Motif ID: [UP00109](#)
 Motif name: Obox6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 1.0344

Alignment:
 BHWTAATCCGDTTHT--
 --TTAAAWAGASTTA-

Original motif
 Consensus sequence: AHAADCGGATTAWHB



Reverse complement motif
 Consensus sequence: BHWTAATCCGDTTHT



Motif ID: [UP00166](#)
 Motif name: Barhl1

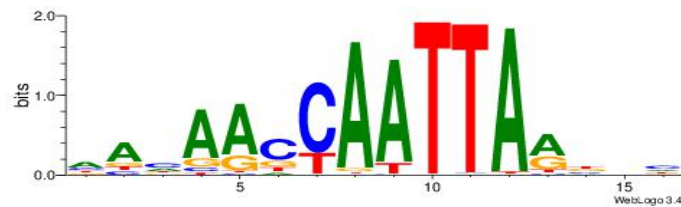
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 1.03746

Alignment:

DDVKTAATTGGTTDTH--
 --TTAAAWAGASTTA--

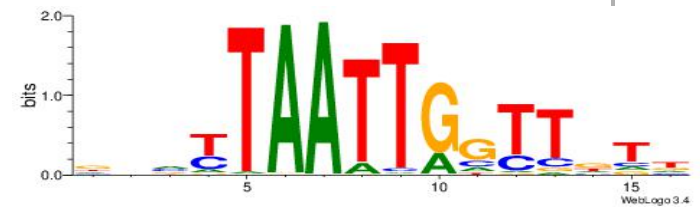
Original motif

Consensus sequence: HAHAACCAATTARBDH



Reverse complement motif

Consensus sequence: DDVKTAATTGGTTDTH



Dataset #: 1 **Motif ID: 46** **Motif name: Motif 46**

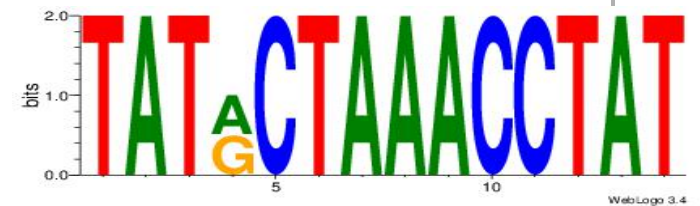
Original motif

Consensus sequence: ATAGGTTTAGYATA



Reverse complement motif

Consensus sequence: TATKCTAAACCTAT



Best Matches for Motif ID 46 (Highest to Lowest)

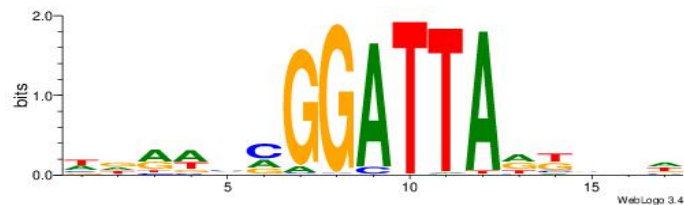
Motif ID: [UP00111](#)
Motif name: Dmbx1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 14
Similarity score: 0.0364989

Alignment:

WDRWHMGGATTADKBHD
---ATAGGTTTAGYATA

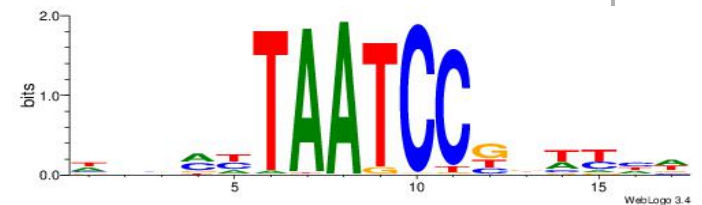
Original motif

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

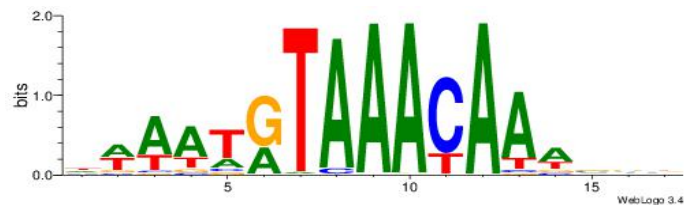
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	14
Similarity score:	0.0393329

Alignment:

```
DWAATR TAAACAAWVVB
-TATKCTAAACCTAT--
```

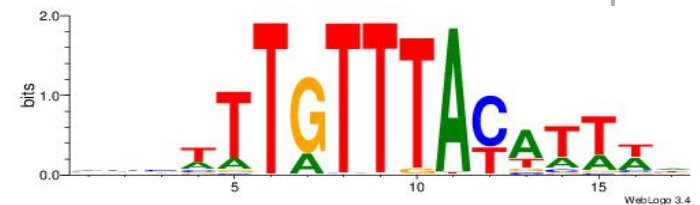
Original motif

Consensus sequence: DWAATR TAAACAAWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



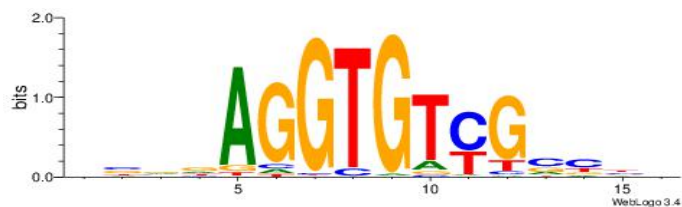
Motif ID:	UP00068
Motif name:	Eomes_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0394759

Alignment:

```
VVBVCKACACCTHVBV
TATKCTAAACCTAT--
```

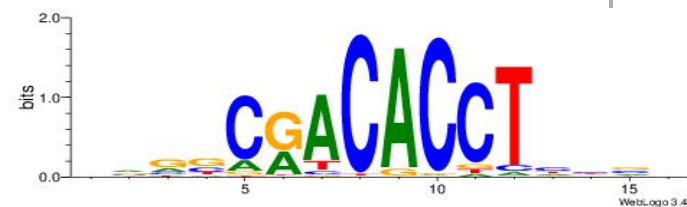
Original motif

Consensus sequence: VBVDAGGTGTGVBVV



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

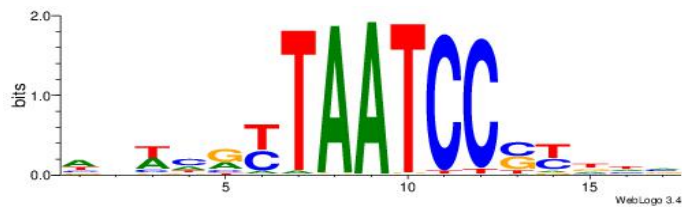
Alignment:

HVWHRYTAATCCSYDHV

-TATKCTAAACCTAT--

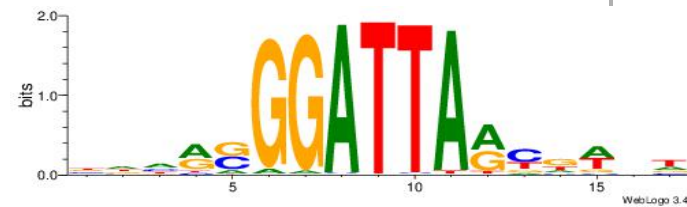
Original motif

Consensus sequence: HVWHRYTAATCCSYDHV



Reverse complement motif

Consensus sequence: BHDMSGGATTAMMDWBH

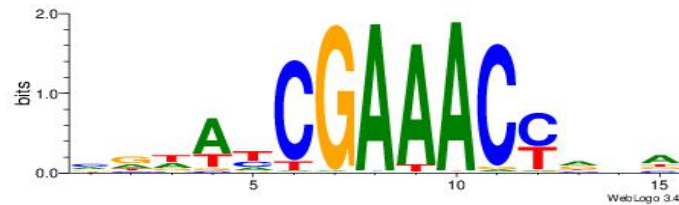


Motif ID: [UP00018](#)
 Motif name: Irf4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.041683

Alignment:
 VDDAYCGAAACYDVA
 ATAGGTTTAGYATA-

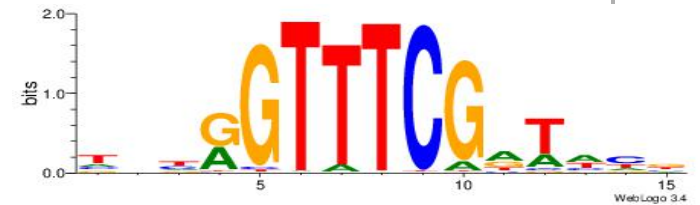
Original motif

Consensus sequence: VDDAYCGAAACYDVA



Reverse complement motif

Consensus sequence: TBDKGTTCGMDHV



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

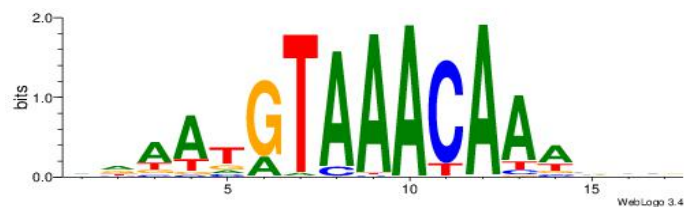
Number of overlap: 14
Similarity score: 0.0422263

Alignment:

DDAATGTAAACAAAVVB
-TATKCTAAACCTAT--

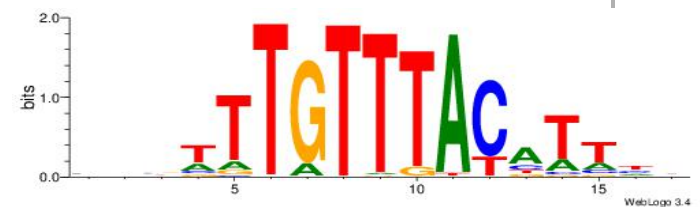
Original motif

Consensus sequence: DDAATGTAAACAAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTCACATDD



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

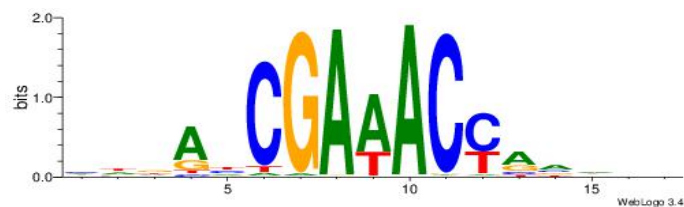
Alignment:

DHDBTKGTTTCGHTHDD
--ATAGGTTTAGYATA-

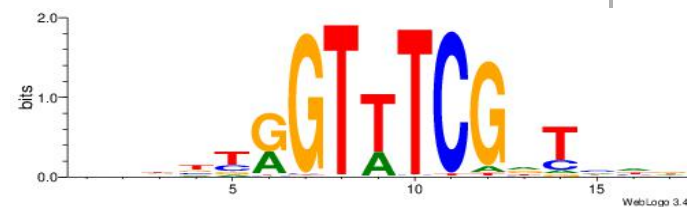
Original motif

Reverse complement motif

Consensus sequence: HDDAHCGAAACYAVDDD



Consensus sequence: DHDBTKGTTTCGHTHDD



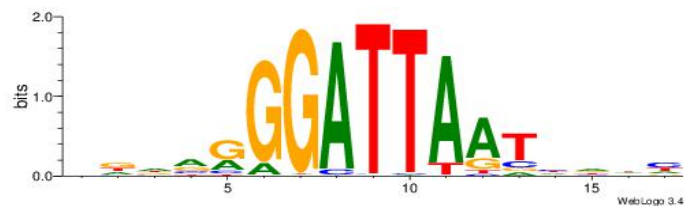
Motif ID: [UP00125](#)
Motif name: Pitx2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 14
Similarity score: 0.0436835

Alignment:

DDDVRRGGATTAATHDDH
--ATAGGTTTAGYATA--

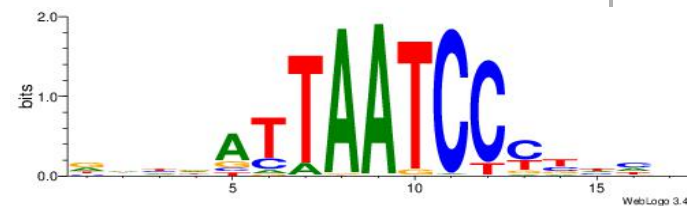
Original motif

Consensus sequence: DDDVRRGGATTAATHDDH



Reverse complement motif

Consensus sequence: DDDDATTAATCCMBDHD



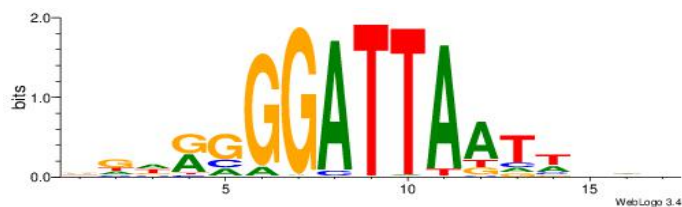
Motif ID: [UP00229](#)
 Motif name: Otx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0443397

Alignment:

DDRGGGATTAATWHHB
 --ATAGGTTTAGYATA-

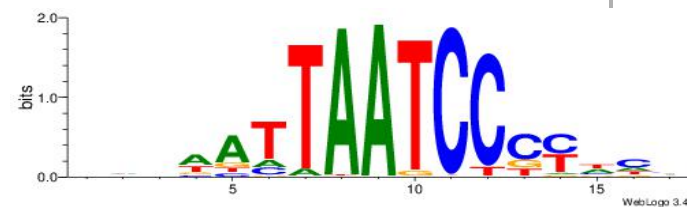
Original motif

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

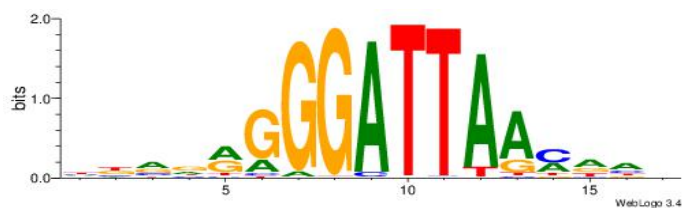
Number of overlap: 14
Similarity score: 0.044637

Alignment:

HBVDRGGGATTAAMDHH
---ATAGGTTTAGYATA

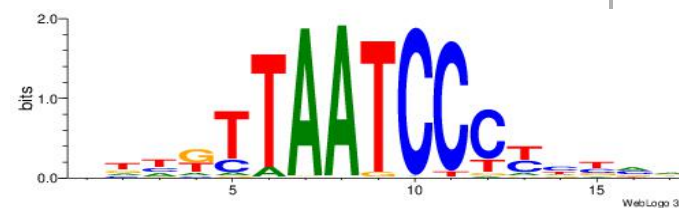
Original motif

Consensus sequence: HBVDRGGGATTAAMDHH



Reverse complement motif

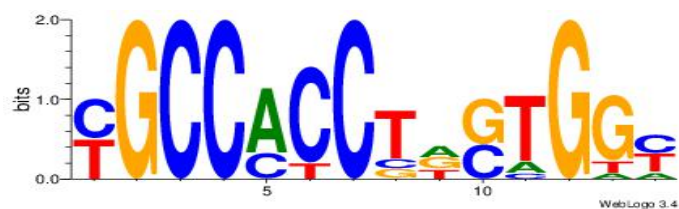
Consensus sequence: HHDRTTAATCCCKHBVH



Dataset #: 2 Motif ID: 47 Motif name: Motif 47

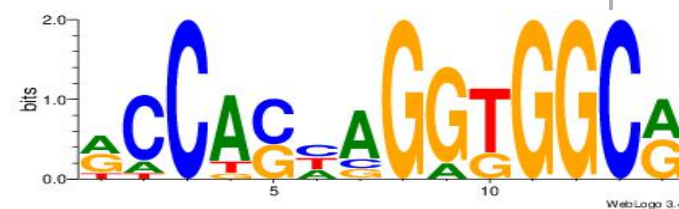
Original motif

Consensus sequence: YGCCACCTDSTGGY



Reverse complement motif

Consensus sequence: KCCASDAGGTGGCK



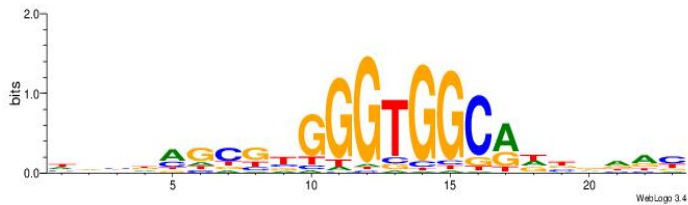
Best Matches for Motif ID 47 (Highest to Lowest)

Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus

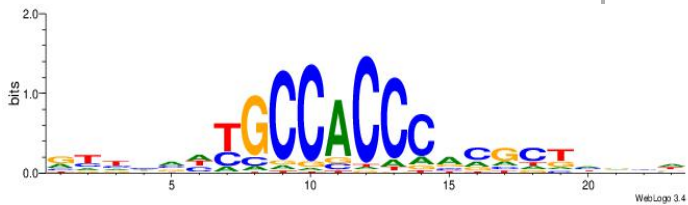
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 7
Number of overlap: 14
Similarity score: 0.0145956

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

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



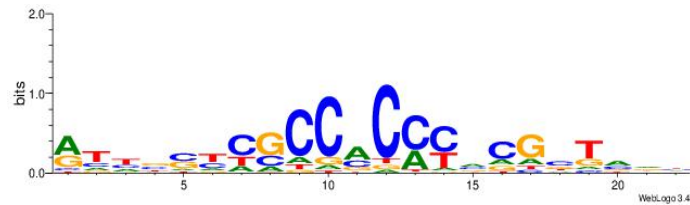
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 14
Similarity score: 0.0188184

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
-----YGCCACCTDSTGGY--

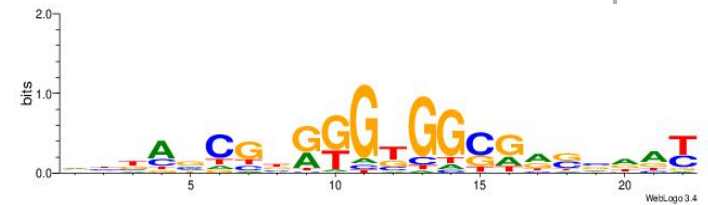
Original motif

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:

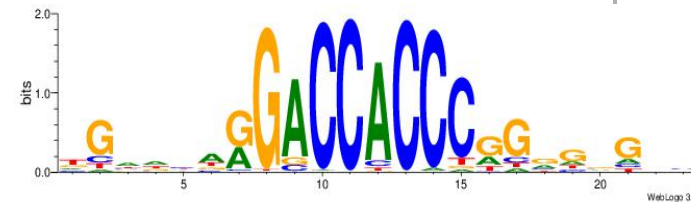
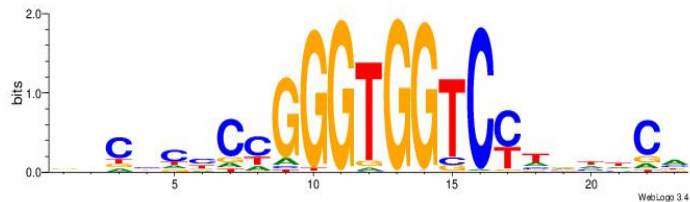
HGDHVVHKGACCACCCGGBGBGDB
-----YGCCACCTDSTGGY--

Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH

Reverse complement motif

Consensus sequence: HGDHVVHKGACCACCCGGBGBGDB

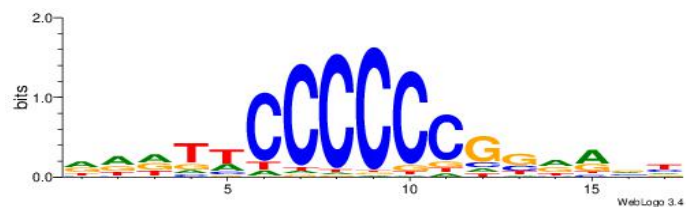


Motif ID: [UP00022](#)
 Motif name: Zfp740_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.025419

Alignment:
 DDDTWCCCCCGGDRVH
 ---YGCCACCTDSTGGY

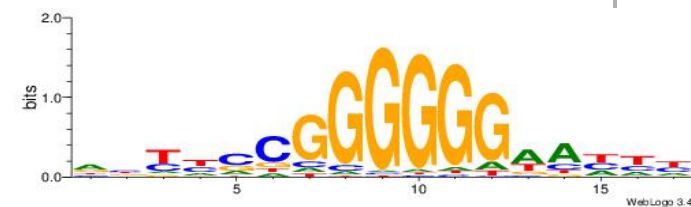
Original motif

Consensus sequence: DDDTWCCCCCGGDRVH



Reverse complement motif

Consensus sequence: HVKDCCGGGGGGWADDD



Motif ID: [UP00540](#)

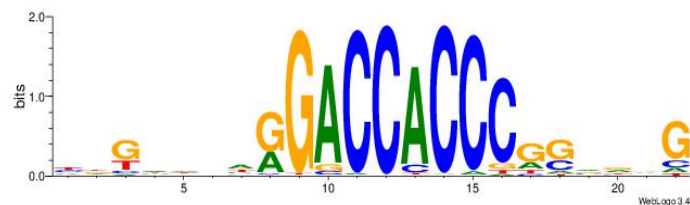
Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0278794

Alignment:

HDGHHBHRGACCACCCGSVDVG
 -----YGCCACCTDSTGGY

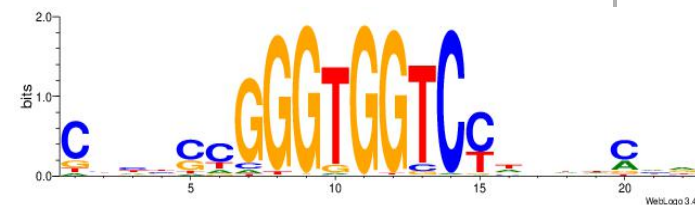
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



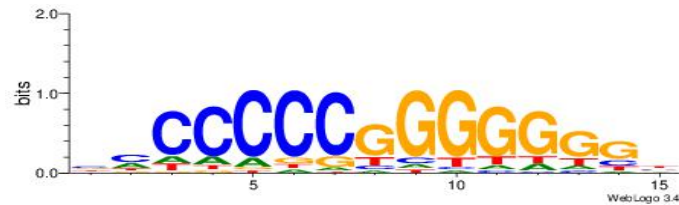
Motif ID: [UP00006](#)
 Motif name: Zic3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0283962

Alignment:

BMCCCCCGGGGGGB
YGCCACCTDSTGGY-

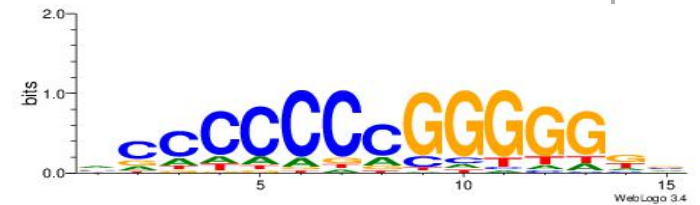
Original motif

Consensus sequence: BMCCCCCGGGGGGB



Reverse complement motif

Consensus sequence: VCCCCCCGGGGGRB



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:

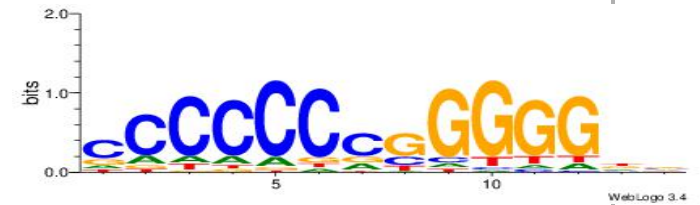
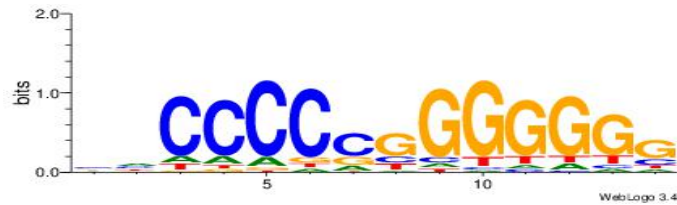
BHCCCCCGGGGGG
YGCCACCTDSTGGY

Original motif

Consensus sequence: BHCCCCCGGGGGG

Reverse complement motif

Consensus sequence: CCCCCCGGGGGB



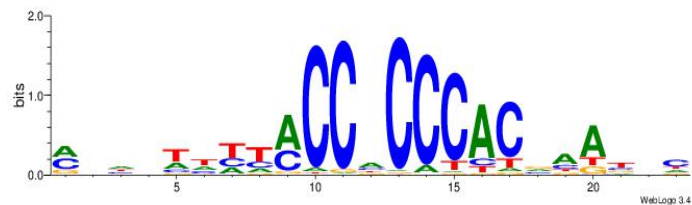
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 14
 Similarity score: 0.0289988

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 -----YGCCACCTDSTGGY--

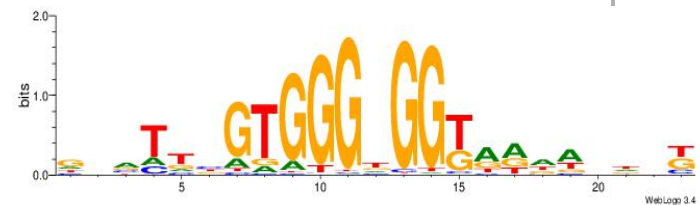
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Motif ID: [UP00540](#)

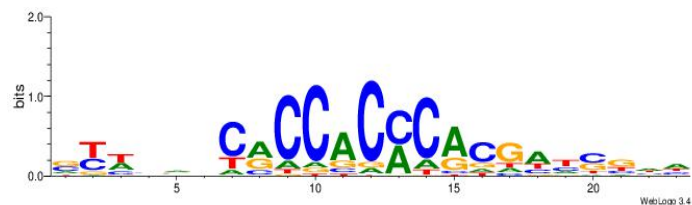
Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 14
 Similarity score: 0.0297857

Alignment:

HHBSHTCGTGRGTGGKGDBVWMV
 ---KCCASDAGGTGGCK-----

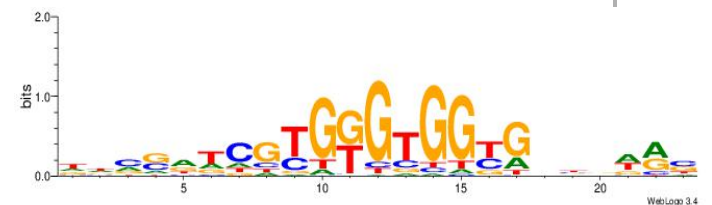
Original motif

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: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0302183

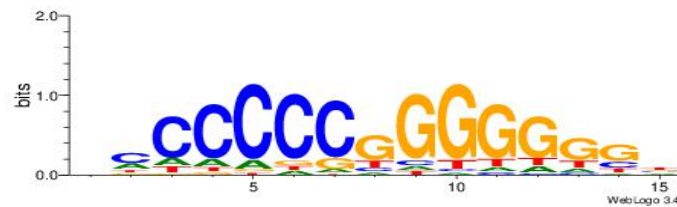
Alignment:

BMCCCCCGGGGGGB

YGCCACCTDSTGGY-

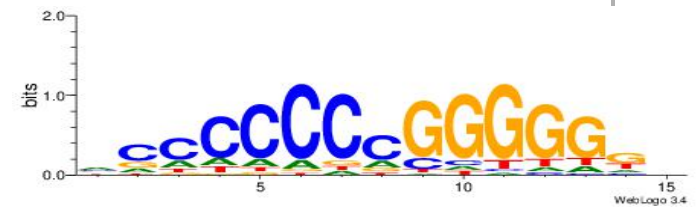
Original motif

Consensus sequence: BMCCCCCGGGGGGB



Reverse complement motif

Consensus sequence: VCCCCCGGGGGRB



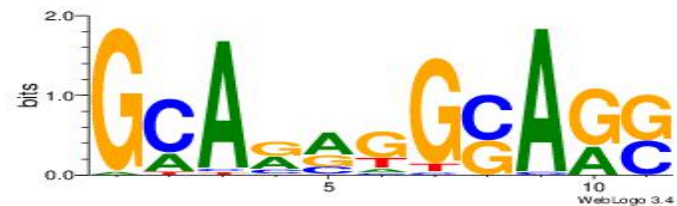
Dataset #: 2

Motif ID: 48

Motif name: Motif 48

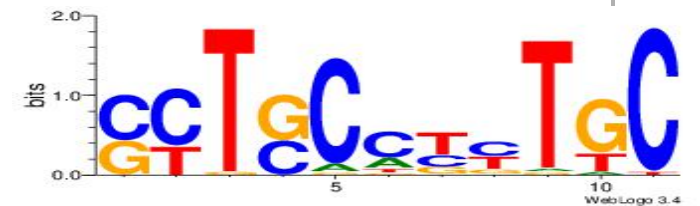
Original motif

Consensus sequence: GCARRGGSAGS



Reverse complement motif

Consensus sequence: SCTSCCKMTGC



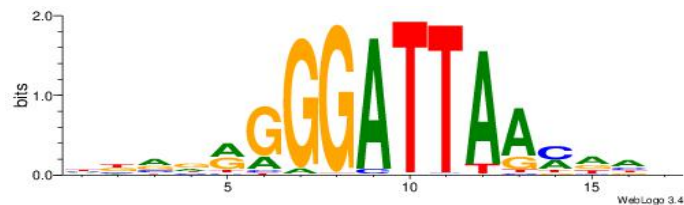
Best Matches for Motif ID 48 (Highest to Lowest)

Motif ID:	UP00153
Motif name:	Pitx1
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement

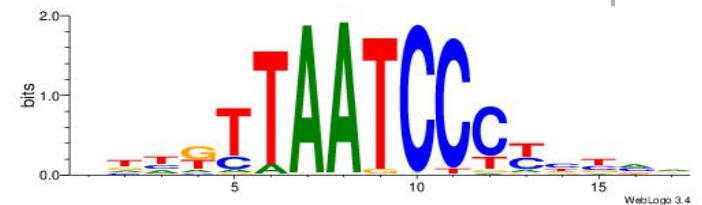
Direction: Forward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.0454693

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---

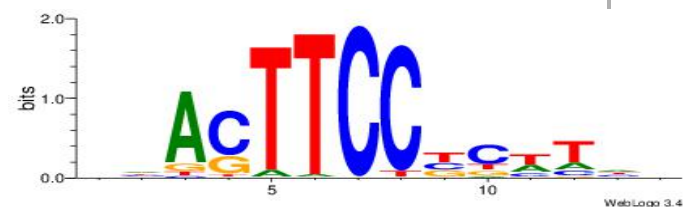
Original motif

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:

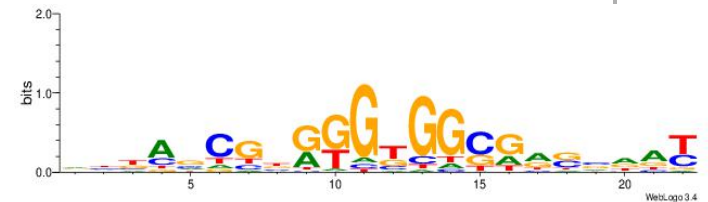
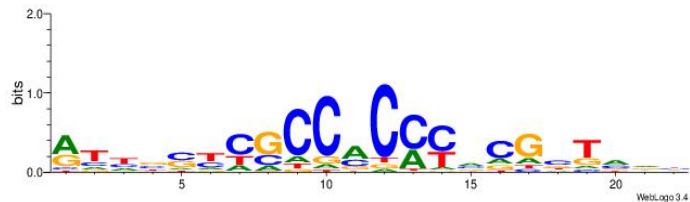
RTHBSYCGCCMCMYVCGBTVDH
-----SCTSCCKMTGC-----

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

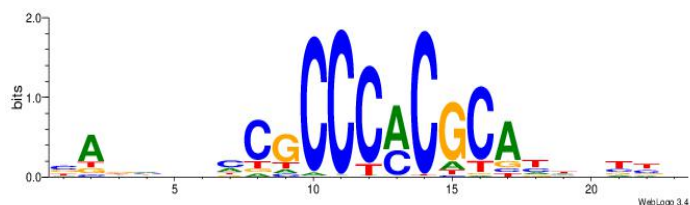


Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0465857

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

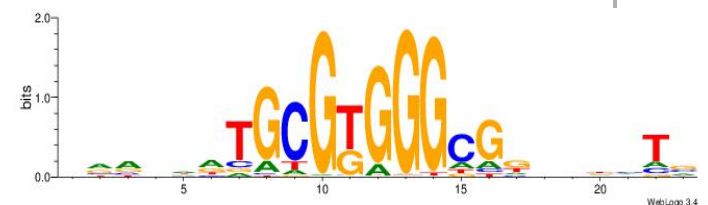
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



Motif ID: [UP00099](#)

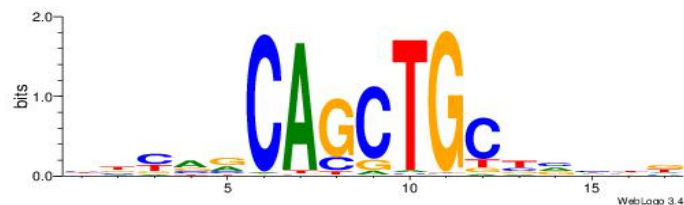
Motif name: Ascl2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0473355

Alignment:

BBYVVCAGCTGCBVHHD
 -SCTSCCKMTG-----

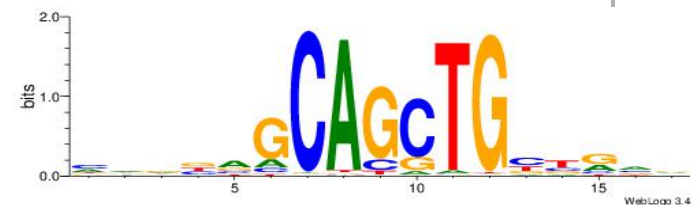
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HHDVVCAGCTGVBKVB

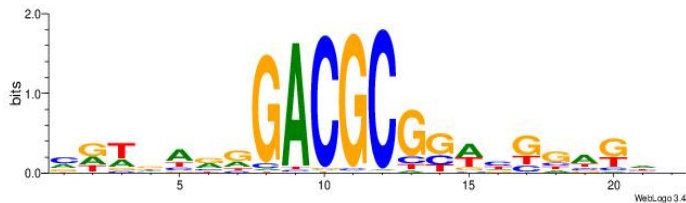


Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 11
 Number of overlap: 11

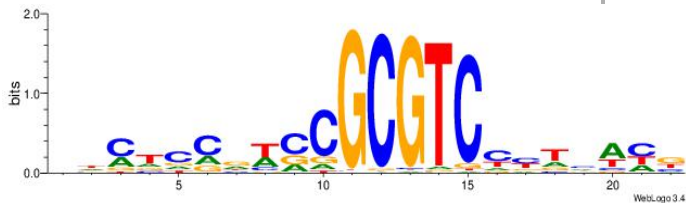
Similarity score: 0.0487126

Alignment:
VHYTCCDWCCGCGTCMMTHWHV
-SCTSCCKMTGC-----

Original motif
Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV

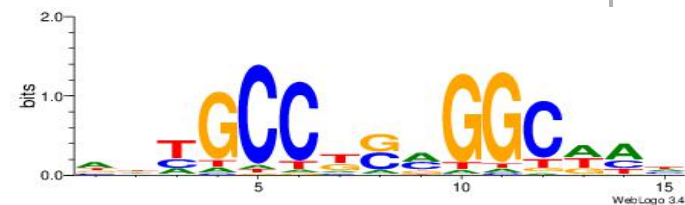
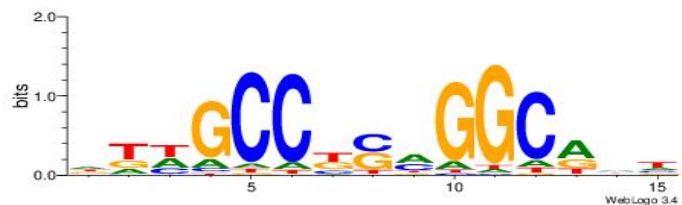


Motif ID: [UP00010](#)
Motif name: Tcfap2b_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0497623

Alignment:
HHKGCCYSRGGCWAD
----GCARRGGSAGS

Original motif
Consensus sequence: DTWGCKSMGGCRHH

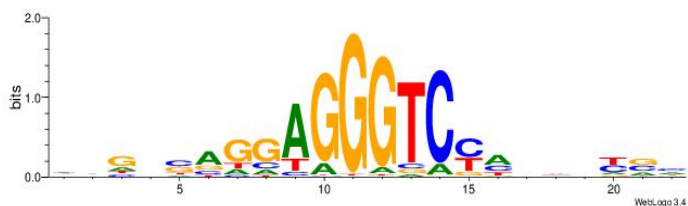
Reverse complement motif
Consensus sequence: HHKGCCYSRGGCWAD



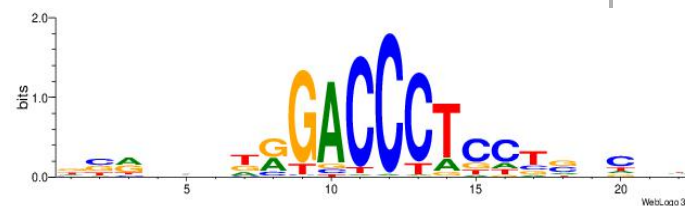
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0507547

Alignment:
 DVMHHDHKGACCCTCCTSVCBH
 -----SCTSCCKMTGC

Original motif
 Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif
 Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



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

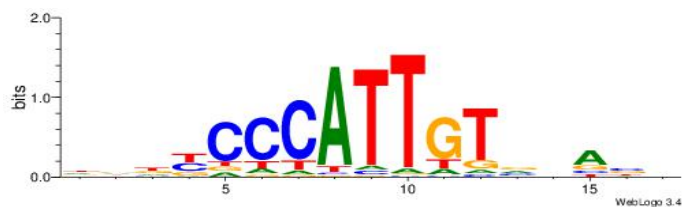
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0508648

Alignment:

HBTHVACAATGGGMDHD
 -----GCARRGGSAGS-

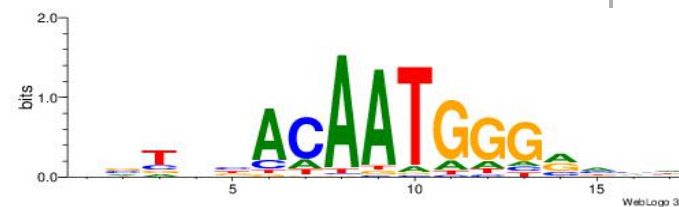
Original motif

Consensus sequence: DDDYCCCATTGTVHABH



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

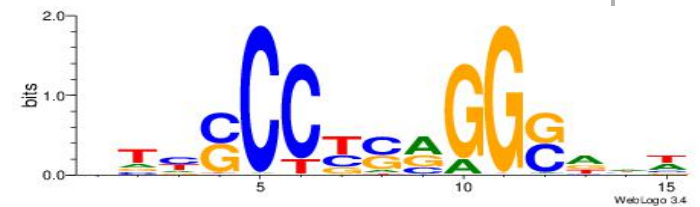
Original motif

Consensus sequence: WDHSCCYSRGGSRAD



Reverse complement motif

Consensus sequence: DTMSCCKSMGGSHDW



Dataset #: 2

Motif ID: 49

Motif name: Motif 49

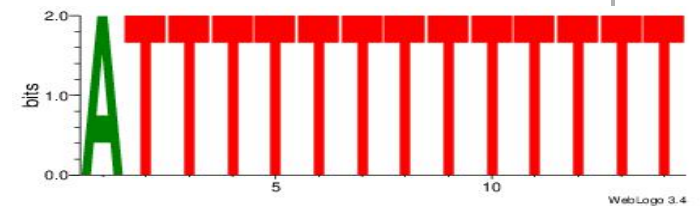
Original motif

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:

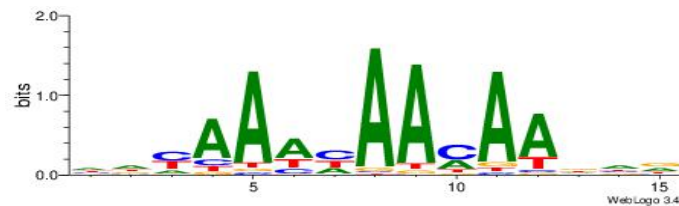
Reverse Complement

Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0361736

Alignment:
HHHTTRTTDTTCKDH
ATTTTTTTTTTTTTT-

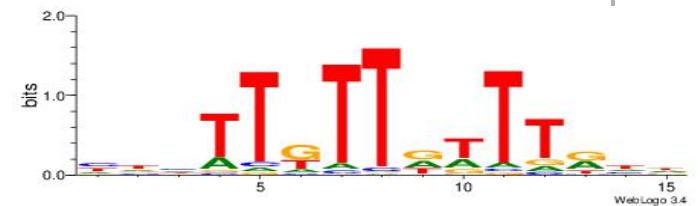
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTTRTTDTTCKDH



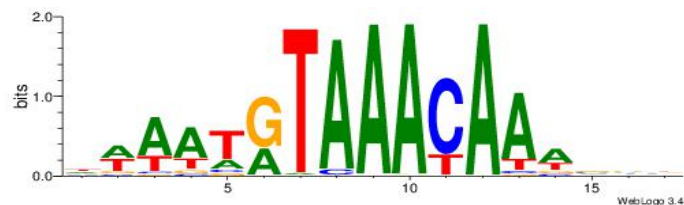
Motif ID: [UP00061](#)
Motif name: Foxl1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 14
Similarity score: 0.0391439

Alignment:

DWAATRTAACA WVV B
-AAAAAAAAAAT--

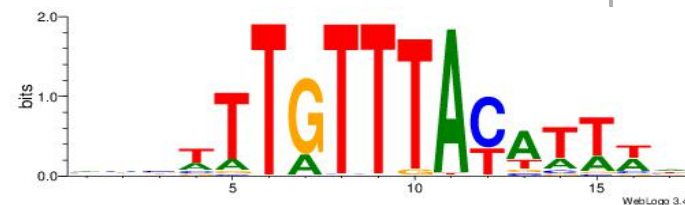
Original motif

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:

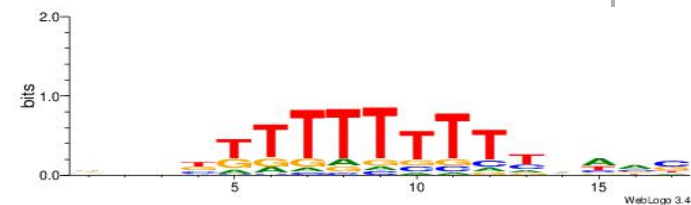
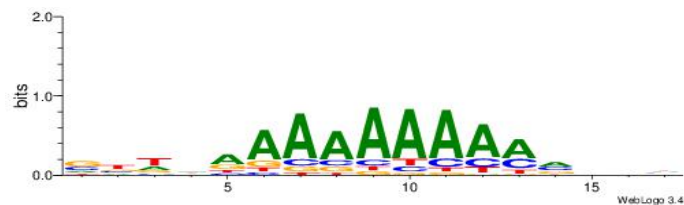
VBDDAAAAAAAAAMVBHH
--AAAAAAAAAAT--

Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH

Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDVV

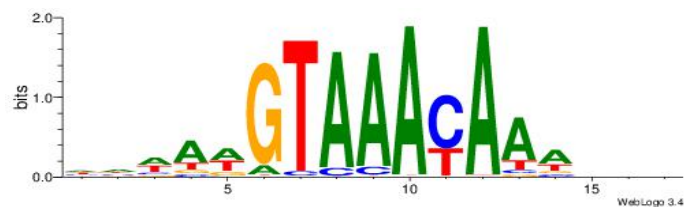


Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0420875

Alignment:
 BDVTTTKTTTACWTWHH
 --ATTTTTTTTTTTTTT-

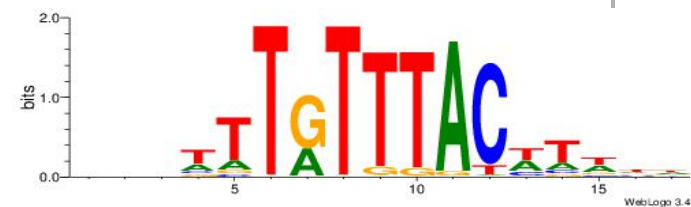
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



Motif ID: [UP00180](#)

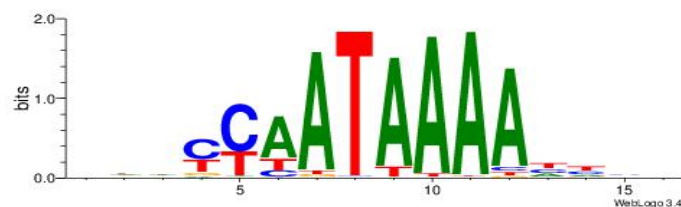
Motif name: Hoxd13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0424132

Alignment:

HDHHTTTTATTKKHDD
 --ATTTTTTTTTTTTTT

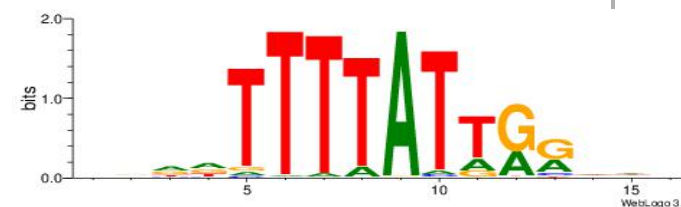
Original motif

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

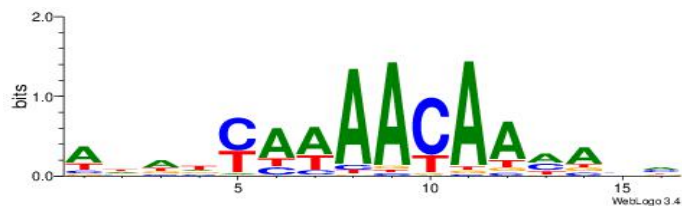
Similarity score: 0.0424666

Alignment:

HDTYTTGTTWTKDDDT
-ATTTTTTTTTTTTTT-

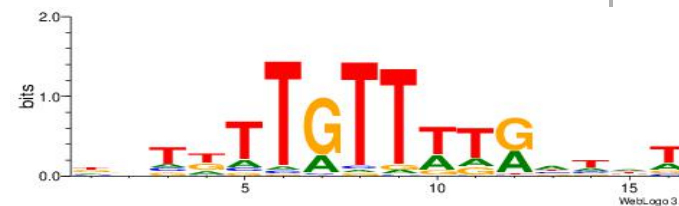
Original motif

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:

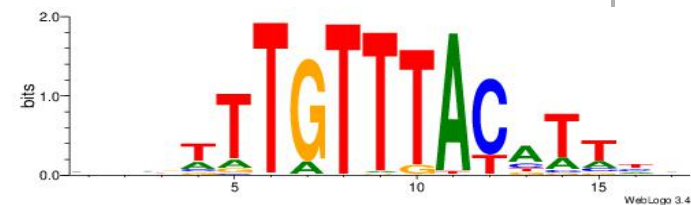
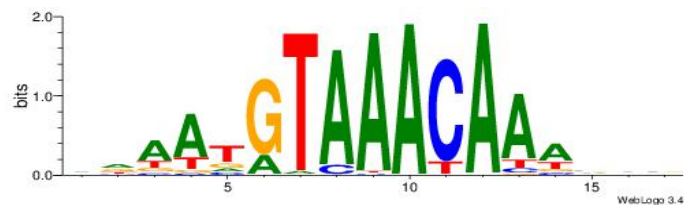
BBVTTTGTTTACATTDD
--ATTTTTTTTTTTTTT-

Original motif

Consensus sequence: DDAATGTAAACAAVVB

Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD



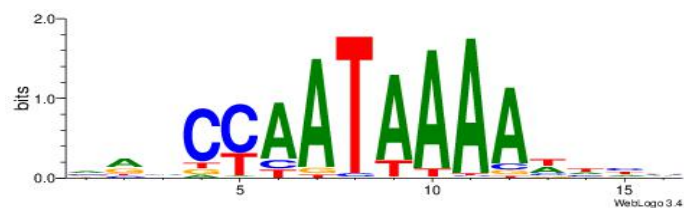
Motif ID: [UP00134](#)
 Motif name: Hoxb13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0435537

Alignment:

VDHWT TTTATTGGDKB
 --ATTT TTT TTT TTT

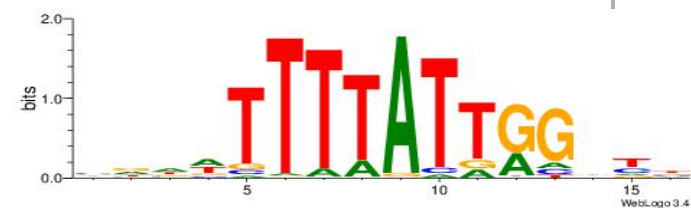
Original motif

Consensus sequence: VRHCCAATAAAWHHV



Reverse complement motif

Consensus sequence: VDHWT TTTATTGGDKB



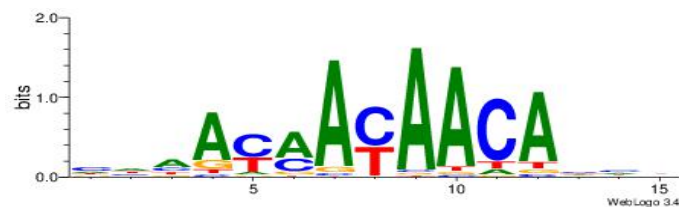
Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.043907

Alignment:

HDDTGTTKTTKTHHD
 ATTTTTTTTTTTTTT-

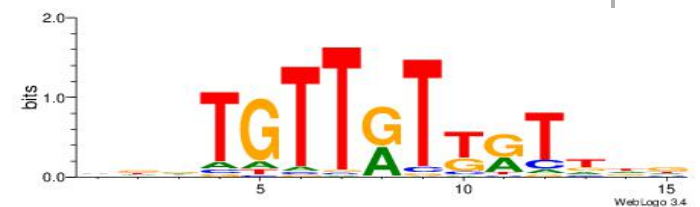
Original motif

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

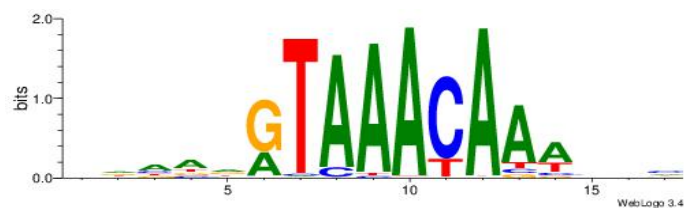
Number of overlap: 14
Similarity score: 0.045165

Alignment:

HDHADGTAAACAAAVVH
-AAAAAAAAAAAAAT--

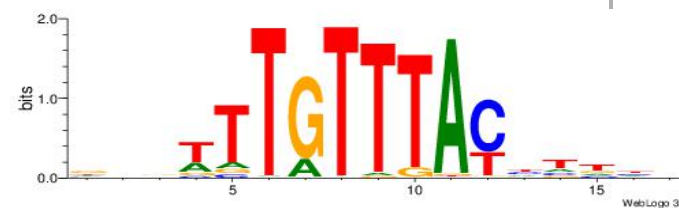
Original motif

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

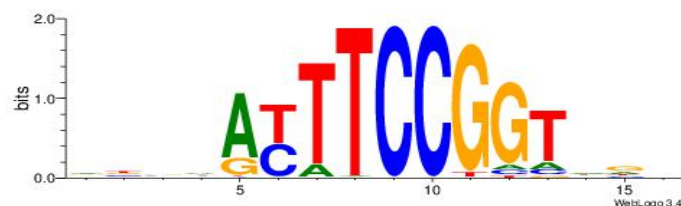
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	6
Number of overlap:	5
Similarity score:	0

Alignment:

```
DHDACCGGAAMTHBVB
-----GGAAM-----
```

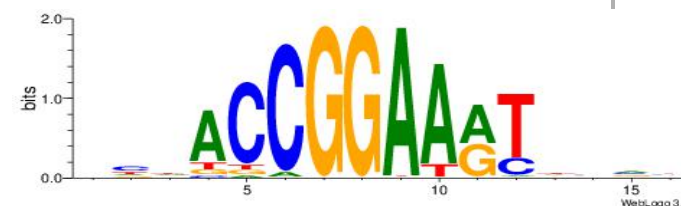
Original motif

Consensus sequence: VBBHAYTTCCGGTDDD



Reverse complement motif

Consensus sequence: DHDACCGGAAMTHBVB



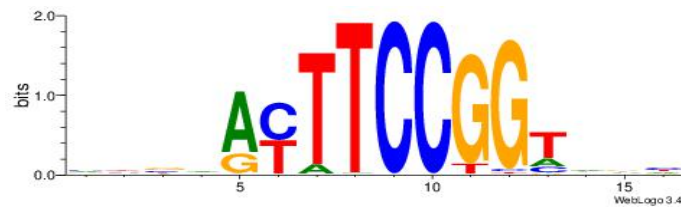
Motif ID:	UP00416
Motif name:	Fli1
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	7
Number of overlap:	5
Similarity score:	0.00163794

Alignment:

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

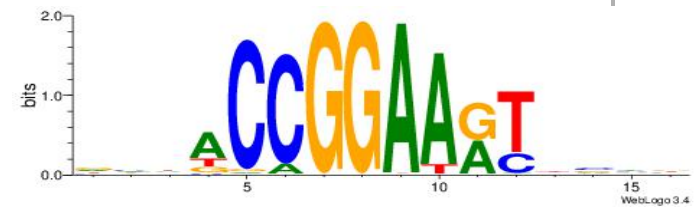
Original motif

Consensus sequence: VBBVAYTTCCGGTDDH



Reverse complement motif

Consensus sequence: DHDACCGGAAKTBBV



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:

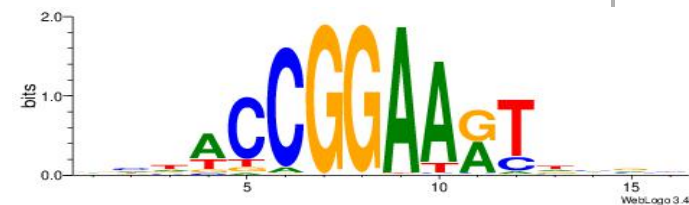
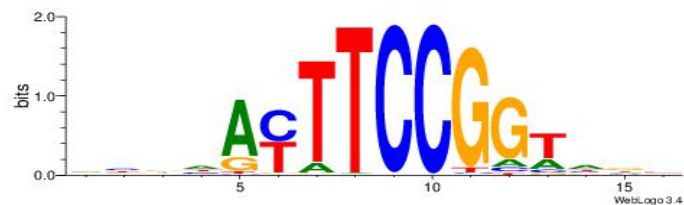
VBBHAYTTCCGGTHDH
-----YTTCC-----

Original motif

Consensus sequence: VBBHAYTTCCGGTHDH

Reverse complement motif

Consensus sequence: DHHACCGGAAKTHBB

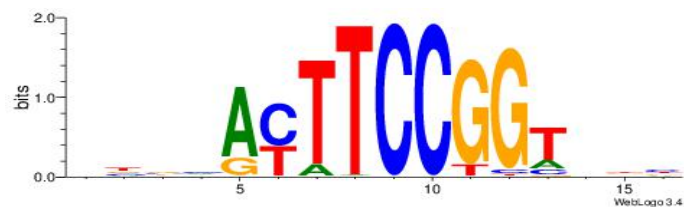


Motif ID: [UP00411](#)
 Motif name: Erg
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 5
 Similarity score: 0.00589761

Alignment:
 VBBVAYTTCCGGTDDB
 -----YTTCC-----

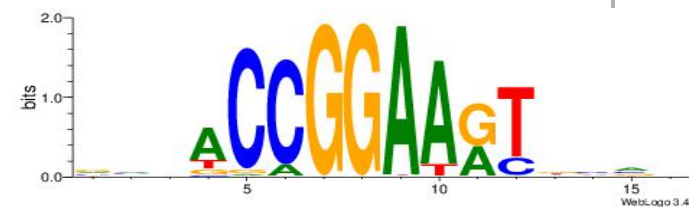
Original motif

Consensus sequence: VBBVAYTTCCGGTDDB



Reverse complement motif

Consensus sequence: BDDACCGGAAKTVBVB



Motif ID: [UP00418](#)

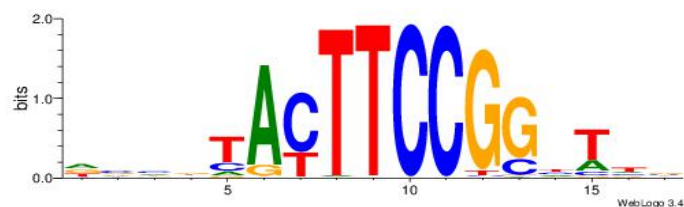
Motif name: Etv6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 5
 Similarity score: 0.00691345

Alignment:

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

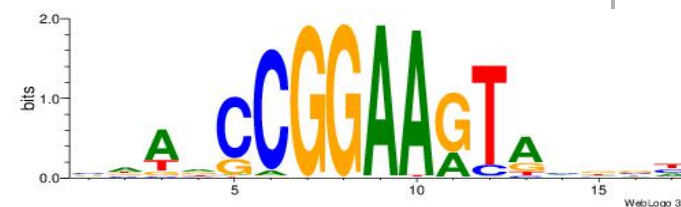
Original motif

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: Backward
 Position number: 7
 Number of overlap: 5

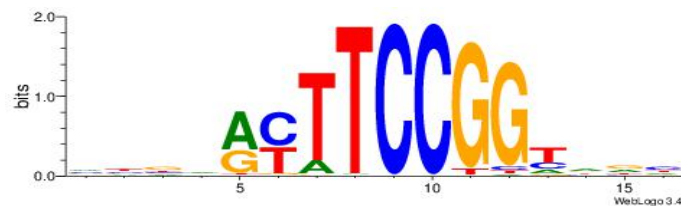
Similarity score: 0.00722176

Alignment:

VBBHRYTTCCGGTDDH
-----YTTCC-----

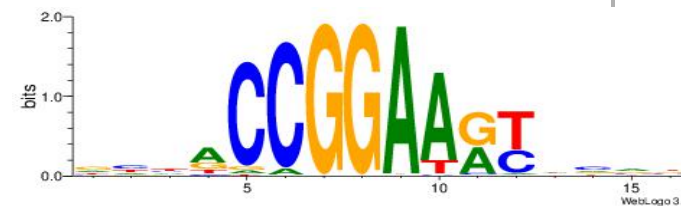
Original motif

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:

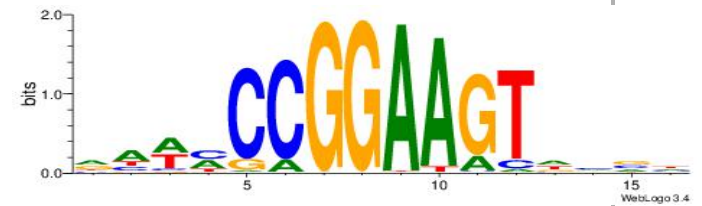
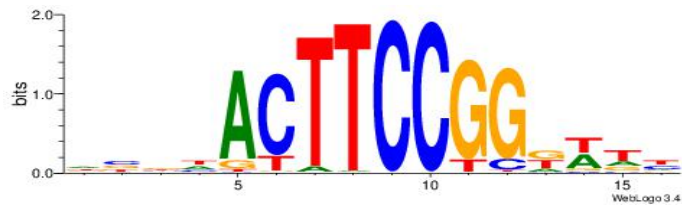
DBBHACTTCCGGKWTH
-----YTTCC-----

Original motif

Consensus sequence: DBBHACTTCCGGKWTH

Reverse complement motif

Consensus sequence: HAWYCCGGAAGTHBBD



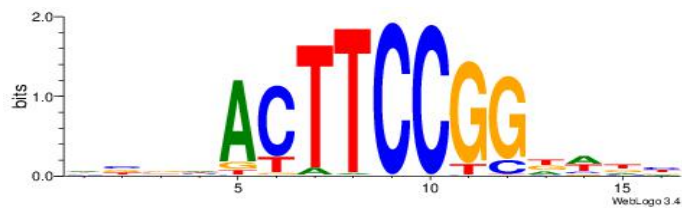
Motif ID: [UP00404](#)
 Motif name: Elf2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 5
 Similarity score: 0.0153458

Alignment:

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

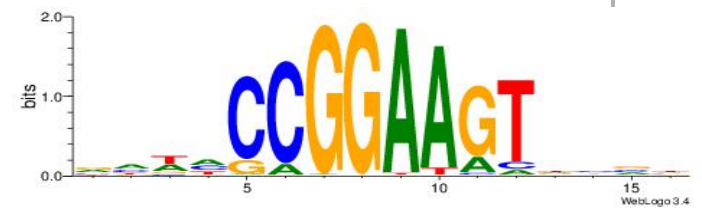
Original motif

Consensus sequence: DBBHACTTCCGGDWDB



Reverse complement motif

Consensus sequence: BDWDCCGGAAGTHBBD



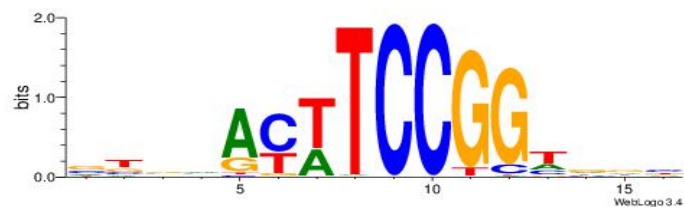
Motif ID: [UP00417](#)
 Motif name: Etv4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 5
 Similarity score: 0.0219684

Alignment:

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

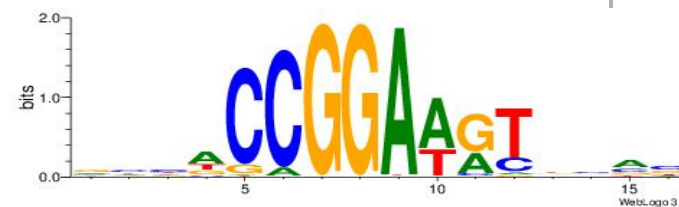
Original motif

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:
DWACTTCCRCTTTB
---YTTCC-----

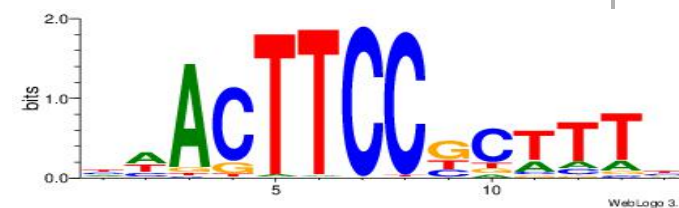
Original motif

Consensus sequence: VAAAGMGGGAAGTWD



Reverse complement motif

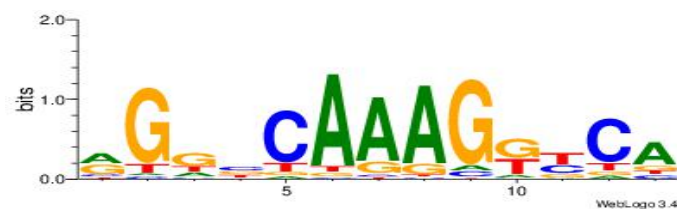
Consensus sequence: DWACTTCCRCTTTB



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

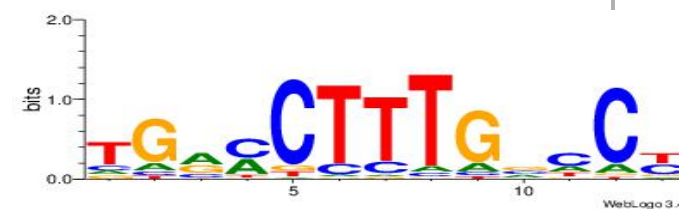
Original motif

Consensus sequence: RGGBCAAAGKYCA



Reverse complement motif

Consensus sequence: TGM YCTTTGBCCK



Best Matches for Motif ID 51 (Highest to Lowest)

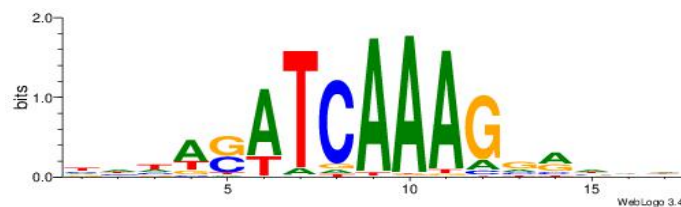
Motif ID: [UP00058](#)
Motif name: Tcf3_primary
Species: Mus musculus

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-

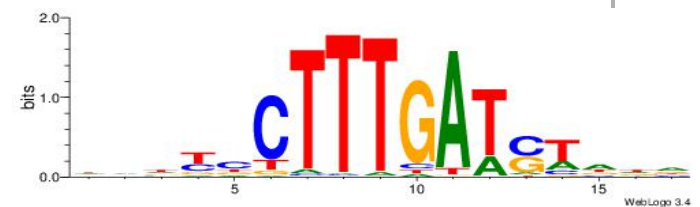
Original motif

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

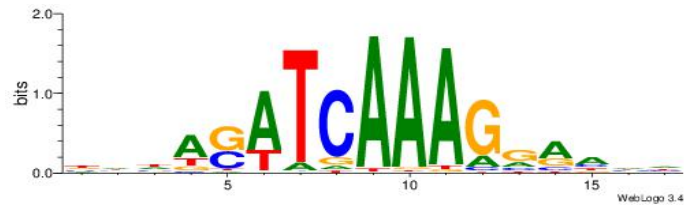
Alignment:

BHHASATCAAAGGAHHH

---RGGBCAAAGKYCA-

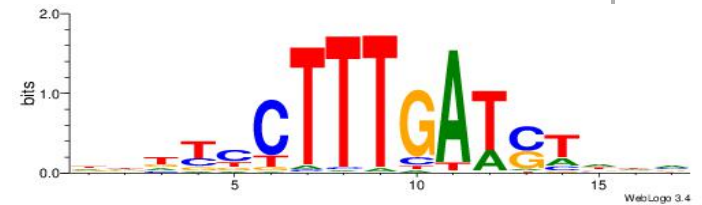
Original motif

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

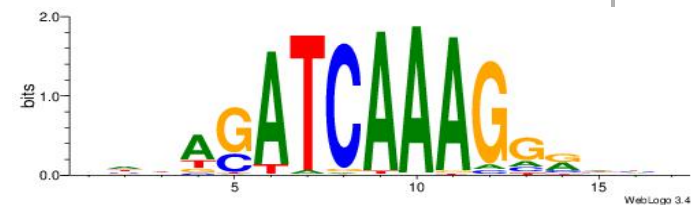
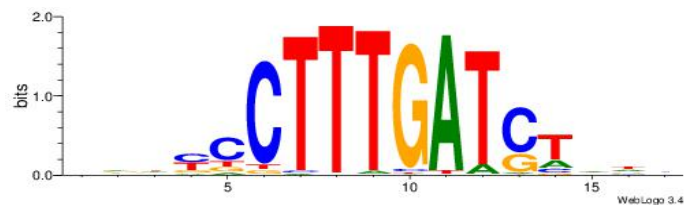
---RGGBCAAAGKYCA-

Original motif

Consensus sequence: DDDYCCTTTGATCTDDV

Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD

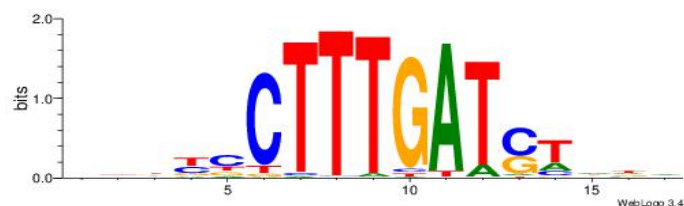


Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0360786

Alignment:
 BDDASATCAAAGGMDDD
 ---RGGBCAAAGKYCA-

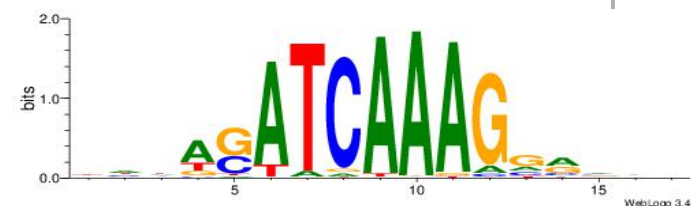
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDDD



Motif ID: [UP00046](#)

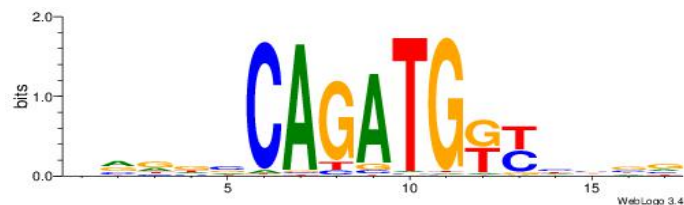
Motif name: Tcfe2a_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 13
 Similarity score: 0.0405764

Alignment:

HVDDVCAGATGKYHBBV
 -RGGBCAAAGKYCA---

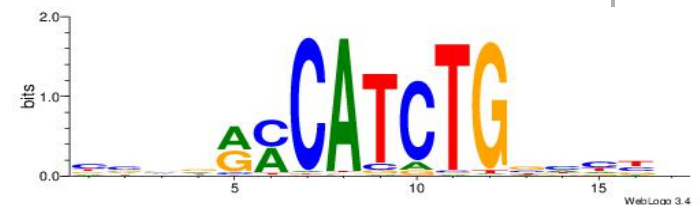
Original motif

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

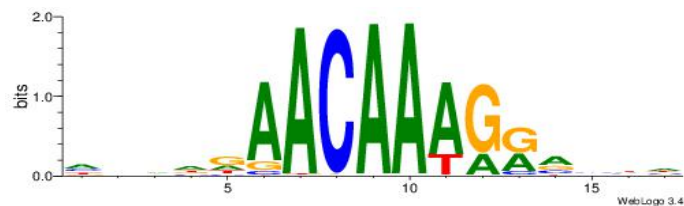
Alignment:

HHBBMCTTTGTTHDDBH

-TGM YCTTTGBCK---

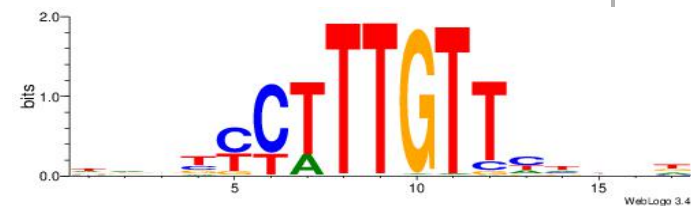
Original motif

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

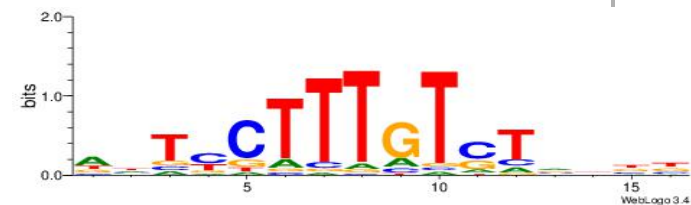
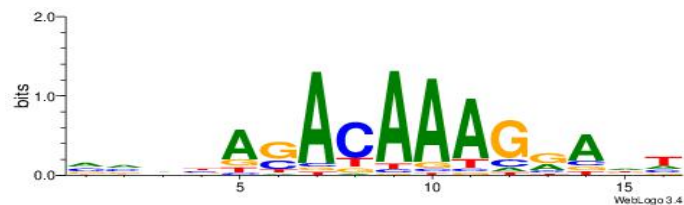
TGM YCTTTGBCK---

Original motif

Consensus sequence: VVDBASACAAAGRADH

Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



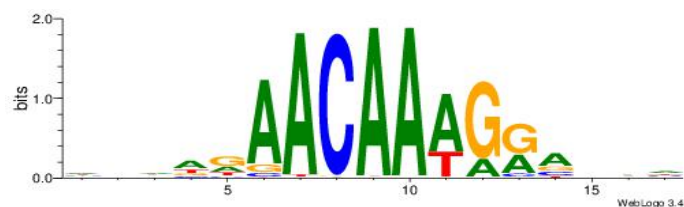
Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0421105

Alignment:

HHBTMCTTTGTTMDDVH
 -TGMCTTTGBCK---

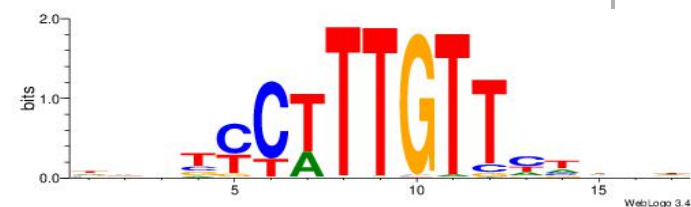
Original motif

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: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0442004

Alignment:

DDAGAADGGDSCDV
 RGGBCAAAGKYCA-

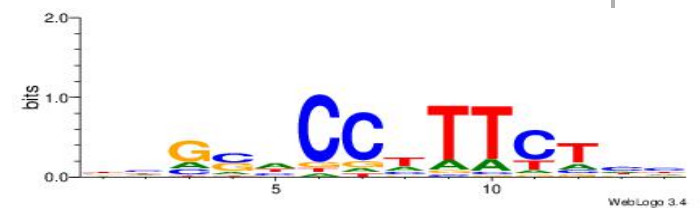
Original motif

Consensus sequence: DDAGAADGGDSCDV



Reverse complement motif

Consensus sequence: BHGSDCCDTTCTHH



Motif ID: [UP00082](#)
 Motif name: Zfp187_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4

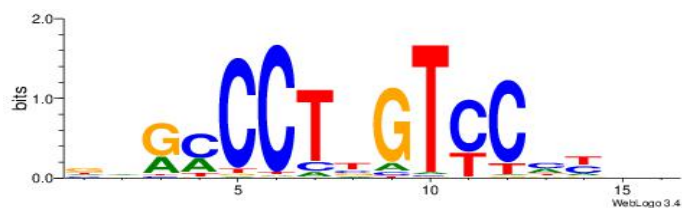
Number of overlap: 13
Similarity score: 0.0446884

Alignment:

VHMDGGACVAGGRCDH
---RGGBCAAAGKYCA

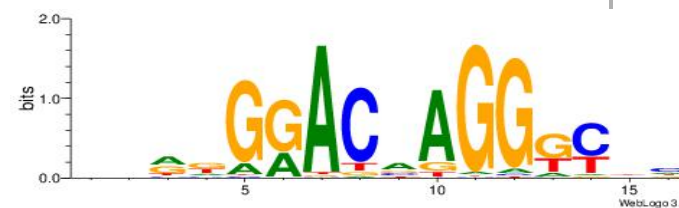
Original motif

Consensus sequence: DDGMCCTBGTCCHYHV



Reverse complement motif

Consensus sequence: VHMDGGACVAGGRCDH



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

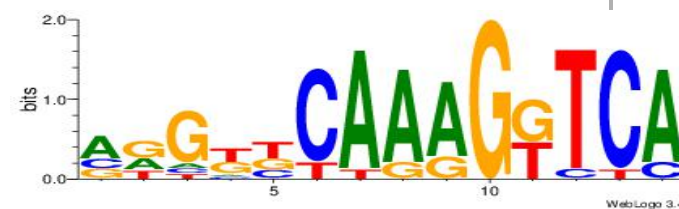
Original motif

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

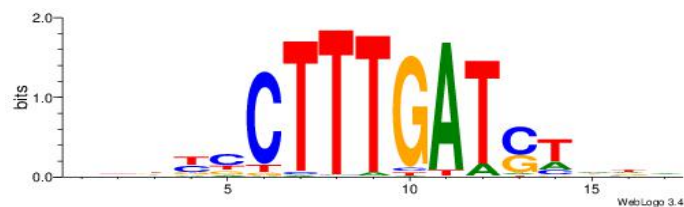
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	14
Similarity score:	0.0452364

Alignment:

```
DDDYCCTTTGATSTDDV
-TGAMCTTTGMMCYT--
```

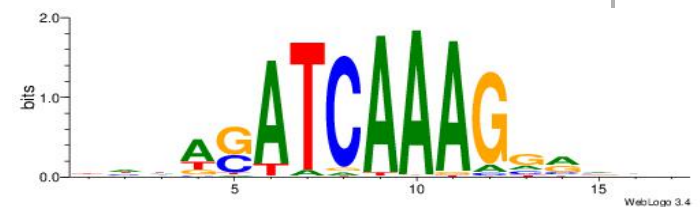
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDD



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

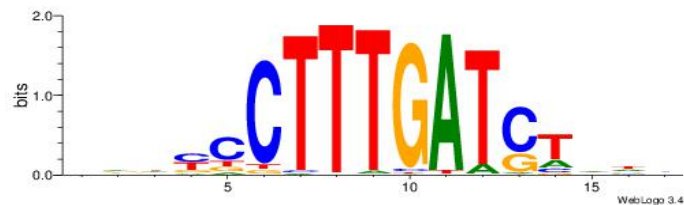
Alignment:

VDDAGATCAAAGGKDDD

--AKGY YCAAAGRTCA--

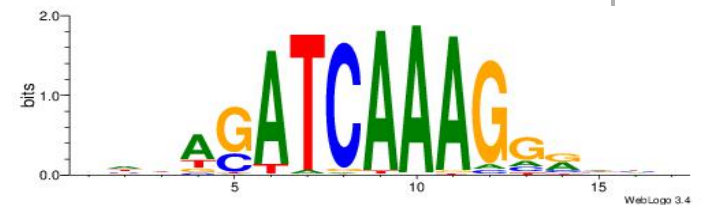
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD



Motif ID:	UP00539
Motif name:	Gli2_v015681_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	14
Similarity score:	0.0461358

Alignment:

DVMHHDHKGACCCTCCTSVCBH

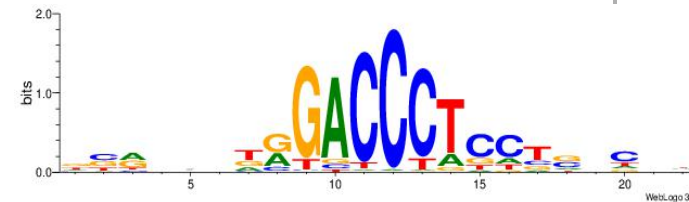
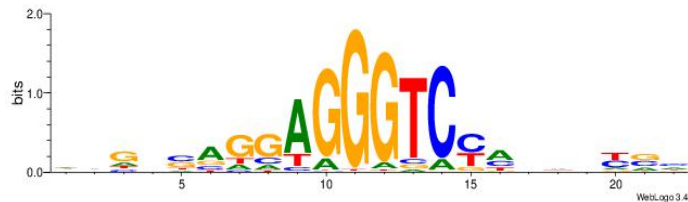
-----TGAMCTTTGMMCYT--

Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH

Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH

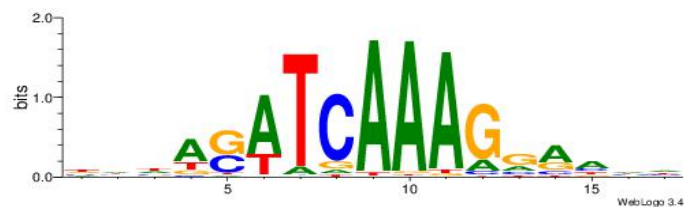


Motif ID: [UP00054](#)
 Motif name: Tcf7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0461768

Alignment:
 BHHASATCAAAGGAHHH
 --AKGYTCAAAGRTCA-

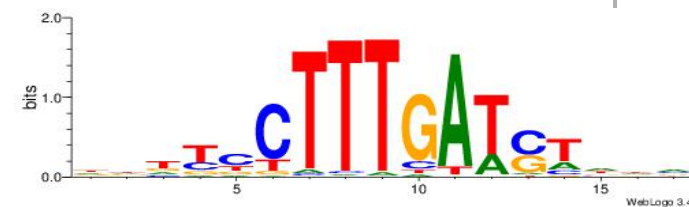
Original motif

Consensus sequence: BHHASATCAAAGGAHHH



Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV



Motif ID: [UP00058](#)

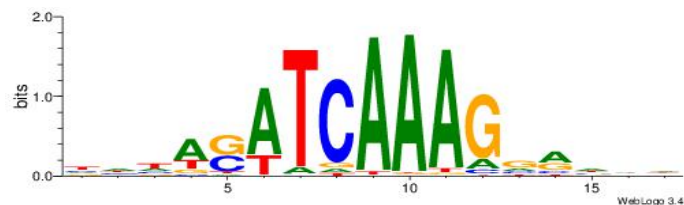
Motif name: Tcf3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0473628

Alignment:

HHHASATCAAAGVRHHH
 --AKGYCAAAGRTCA--

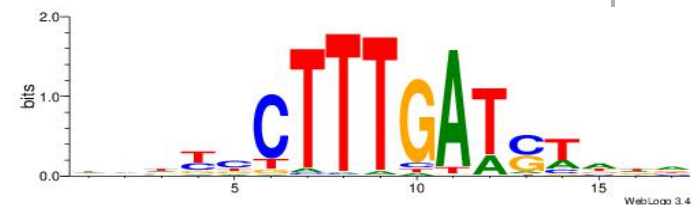
Original motif

Consensus sequence: HHHASATCAAAGVRHHH



Reverse complement motif

Consensus sequence: HHHKVCTTTGATSTHHH



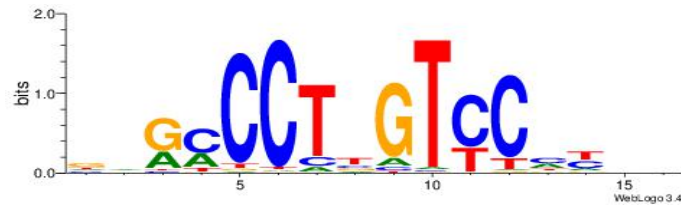
Motif ID: [UP00082](#)
 Motif name: Zfp187_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0480188

Alignment:

DDGMCCTBGTCCHYHV
TGAMCTTTGMMCYT--

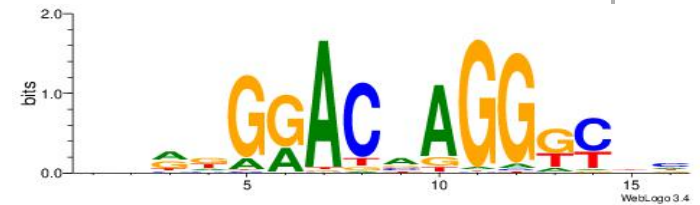
Original motif

Consensus sequence: DDGMCCTBGTCCHYHV



Reverse complement motif

Consensus sequence: VHMDGGACVAGGRCDH



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

Alignment:

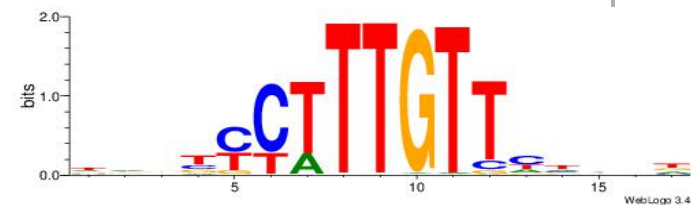
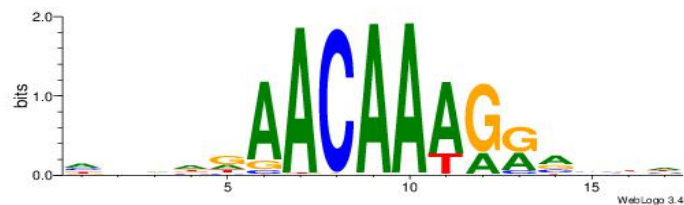
HHBBMCTTTGTTHDDBH
-TGAMCTTTGMMCYT--

Original motif

Consensus sequence: HBDDAACAAGRVBHH

Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH

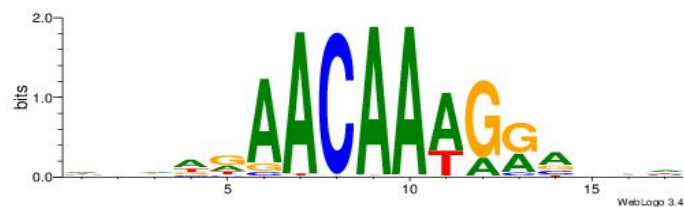


Motif ID: [UP00030](#)
 Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0499033

Alignment:
 HHBTMCTTTGTTMDDVH
 -TGAMCTTTGMMCYT--

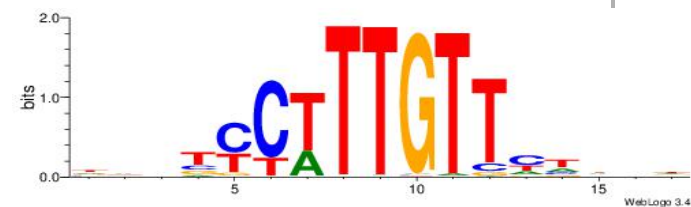
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



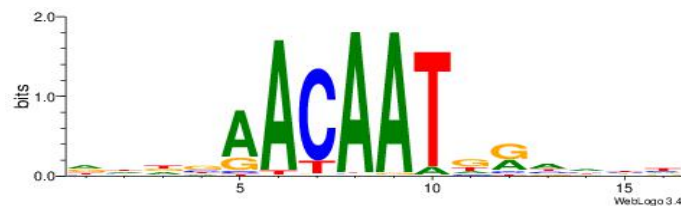
Motif ID: [UP00023](#)

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

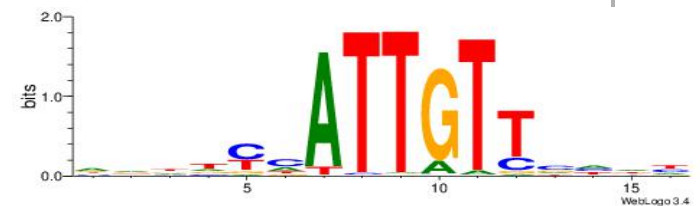
Original motif

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

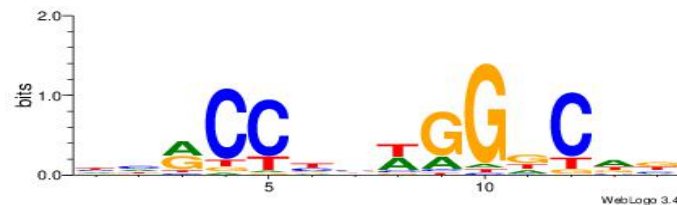
Alignment:

BDGHCCWBVGGKDH

AKGYICAAGRTCA

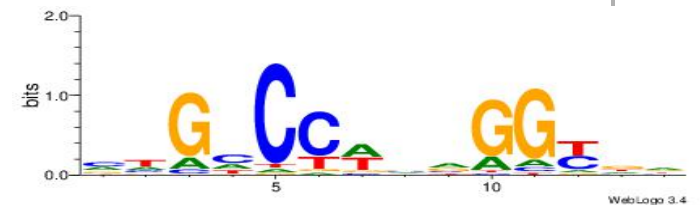
Original motif

Consensus sequence: HHRCCBBWGGDCDB



Reverse complement motif

Consensus sequence: BDGHCCWBVGGKDH



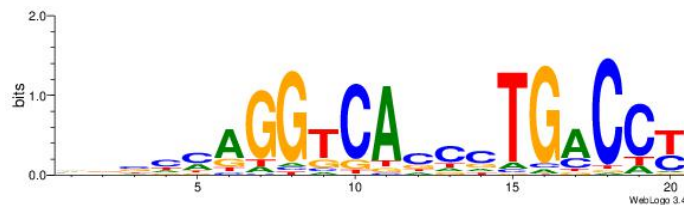
Dataset #: 3

Motif ID: 53

Motif name: ESR1

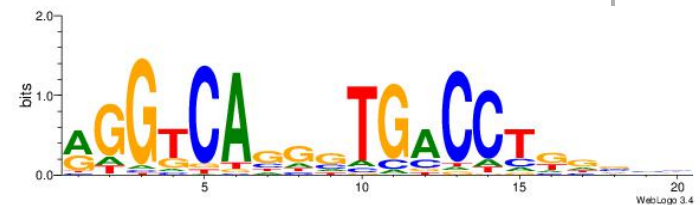
Original motif

Consensus sequence: VDBHMAGGTCACCCTGACCY



Reverse complement motif

Consensus sequence: MGGTCAGGGTGACCTRD BHV



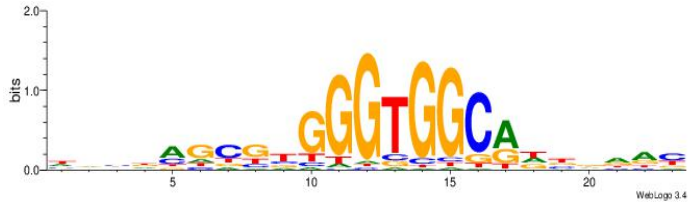
Best Matches for Motif ID 53 (Highest to Lowest)

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

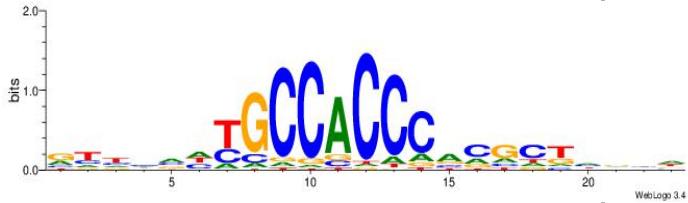
Direction: Backward
Position number: 4
Number of overlap: 20
Similarity score: 0.0658405

Alignment:
BDDHVDKGCCACCCVCGCTDBVH
VDBHMAGGTCACCCTGACCY---

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



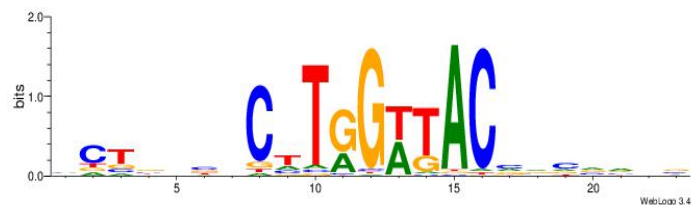
Motif ID: [UP00098](#)
Motif name: Rfx3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 20
Similarity score: 0.0689748

Alignment:

BDBBVBVGTAWCCAAGVBHBAGB
VDBHMAGGTCACCCTGACCY---

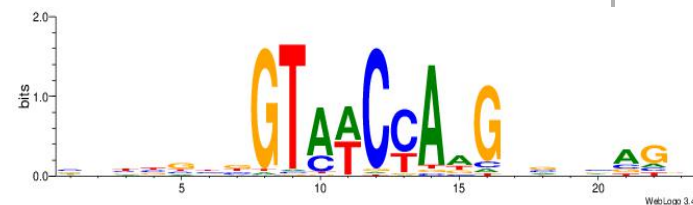
Original motif

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:

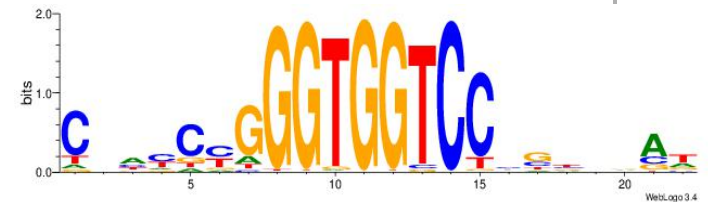
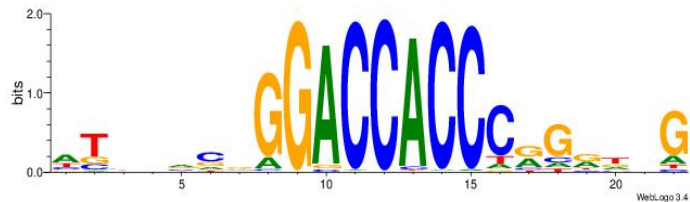
CBDMCMGGGTGGTCCHVBVBAH
MGGTCAGGGTGACCTRDBHV--

Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG

Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH

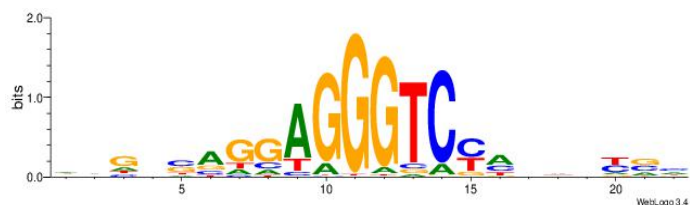


Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 20
 Similarity score: 0.0711267

Alignment:
 HVGVSAGGAGGGTCYHHHHYVH
 MGGTCAGGGTGACCTRDBHV--

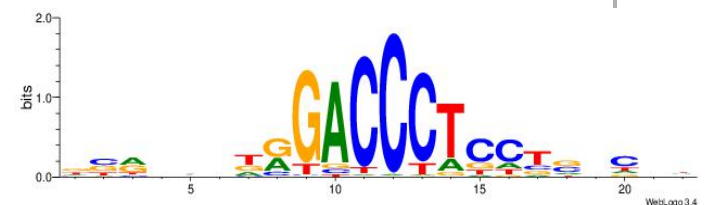
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



Motif ID: [UP00540](#)

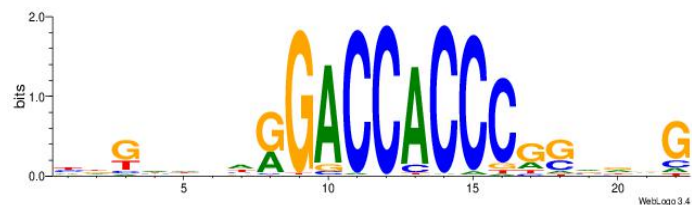
Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0742427

Alignment:

CVHBSCGGGTGGTCMHVHHCDH
 -VDBHMAGGTCACCCTGACCY-

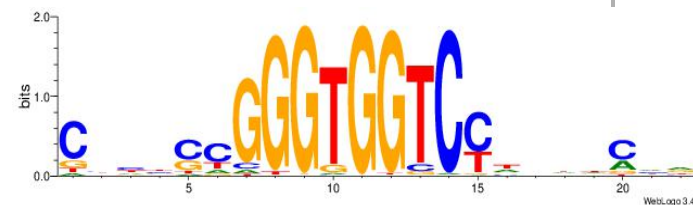
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH

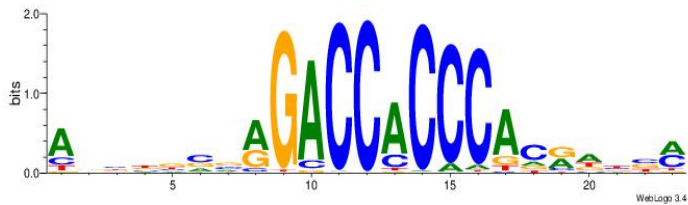


Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 20

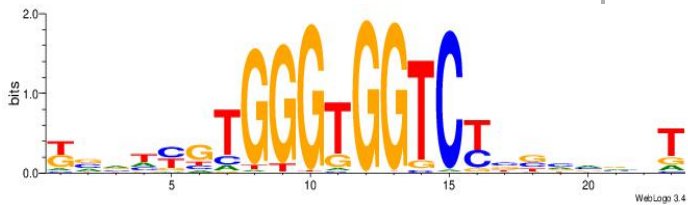
Similarity score: 0.0747053

Alignment:
ABBBBVVRGACCACCCACRDBBM
--VDBHMAGGTCACCCTGACCY-

Original motif
Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif
Consensus sequence: YBVDMGTGGGTGGTCKVVBVBBT

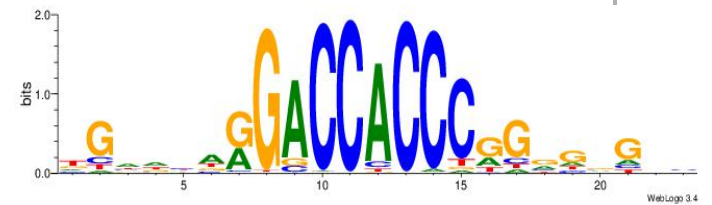
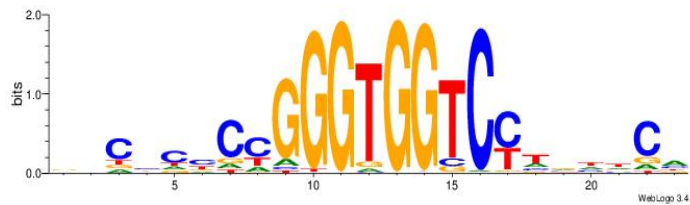


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 20
Similarity score: 0.0749165

Alignment:
BHCBCBCCGGGTGGTCYHVHDCH
---VDBHMAGGTCACCCTGACCY

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH

Reverse complement motif
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



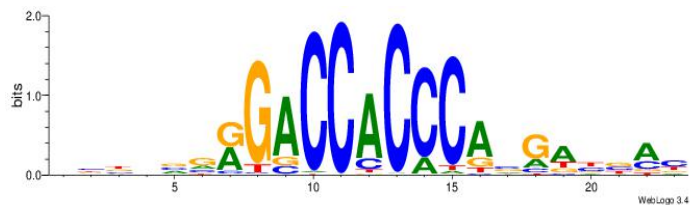
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0759307

Alignment:

BBBDVVRGACCACCCAVGABBAB
 -VDBHMAAGGTCACCCTGACCY--

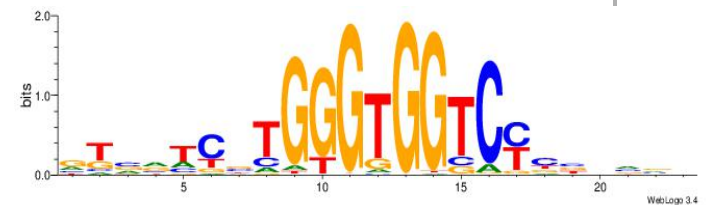
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



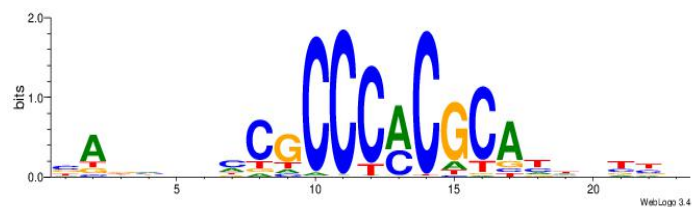
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 20
 Similarity score: 0.0762689

Alignment:

VVVDHHTGCGYGGGCGDHSVHHTB
 -MGGTCAGGGTGACCTRDBHV--

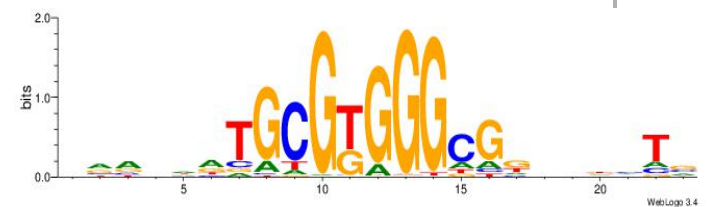
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB



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

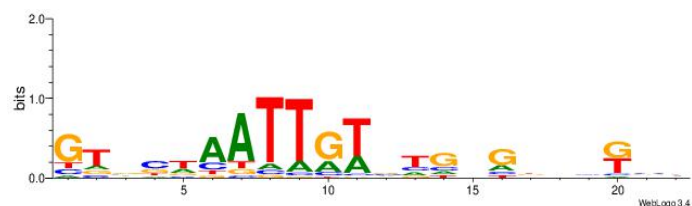
Number of overlap: 20
Similarity score: 0.0780113

Alignment:

GTVBDAATTGTVTGHGDDHKVB
VDBHMAGGTCACCCTGACCY--

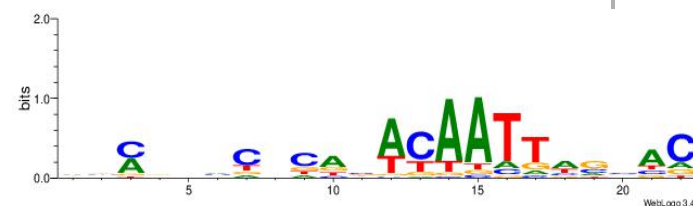
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

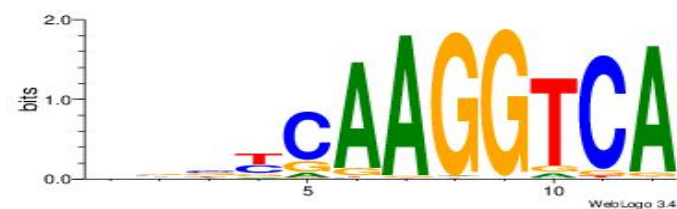
Consensus sequence: VVYDDDCHCAVACAATTDBVAC



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

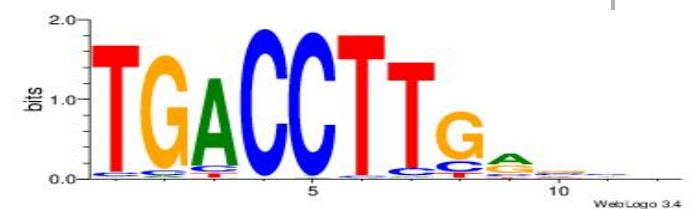
Original motif

Consensus sequence: VBBYCAAGGTCA



Reverse complement motif

Consensus sequence: TGACCTTGMBBB



Best Matches for Motif ID 54 (Highest to Lowest)

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

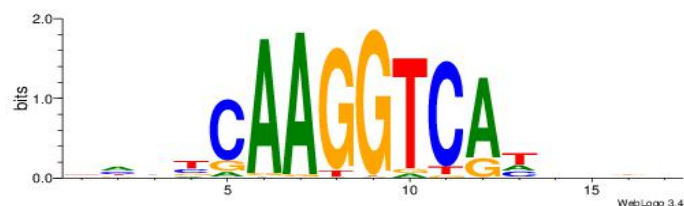
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	6
Number of overlap:	12
Similarity score:	0

Alignment:

```
HHBVHTGACCTTGVDHD
-----TGACCTTGMBBB
```

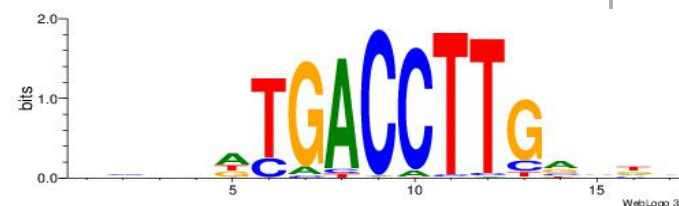
Original motif

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-----

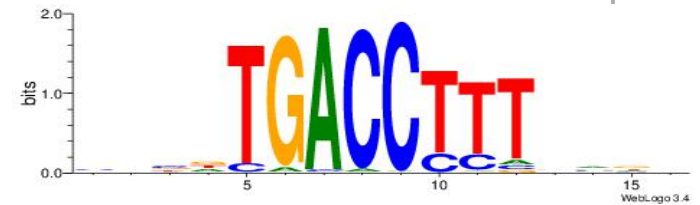
Original motif

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:	Forward
Position number:	1
Number of overlap:	12
Similarity score:	0.0214372

Alignment:

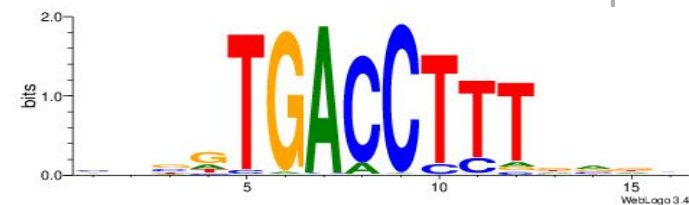
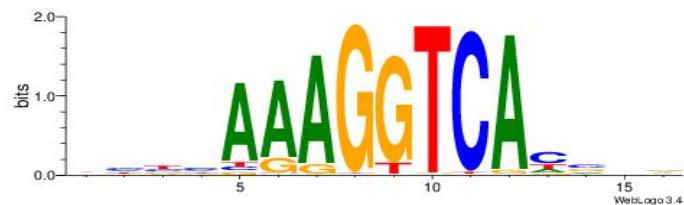
DHBHAAAGGTCACVHD
VBBYCAAGGTCA-----

Original motif

Consensus sequence: DHBHAAAGGTCACVHD

Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD

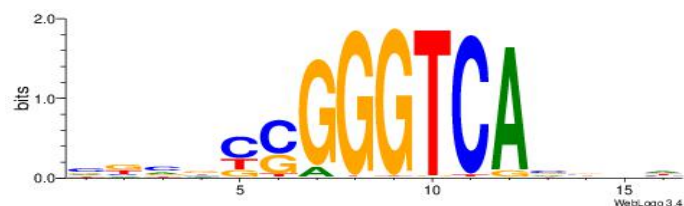


Motif ID: [UP00009](#)
 Motif name: Nr2f2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0430759

Alignment:
 HVBVTGACCCSGBVBV
 ----TGACCTTGMBBB

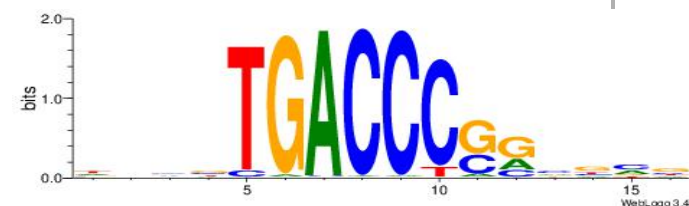
Original motif

Consensus sequence: VBVBCTGGGTCAVBBH



Reverse complement motif

Consensus sequence: HVBVTGACCCSGBVBV



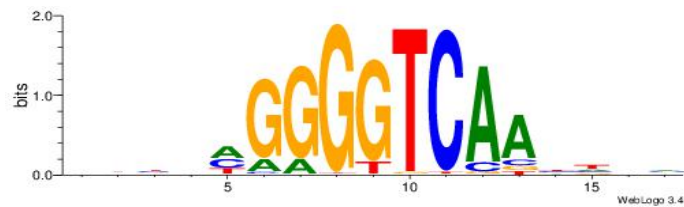
Motif ID: [UP00066](#)

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-----

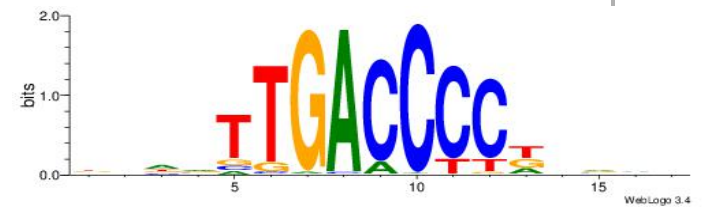
Original motif

Consensus sequence: BDBVMGGGGTCAABHDV



Reverse complement motif

Consensus sequence: BHHVTTGACCCCYVVDB



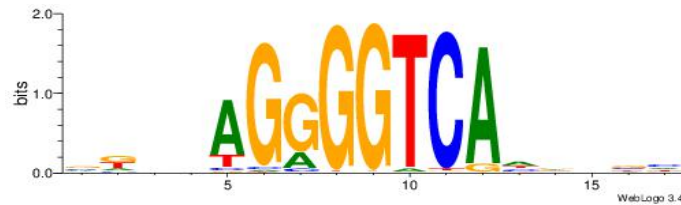
Motif ID: [UP00079](#)
 Motif name: Esrra_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 12
 Similarity score: 0.0482496

Alignment:

VKBBAGGGGTCAHDBBH
VBBYCAAGGTCA-----

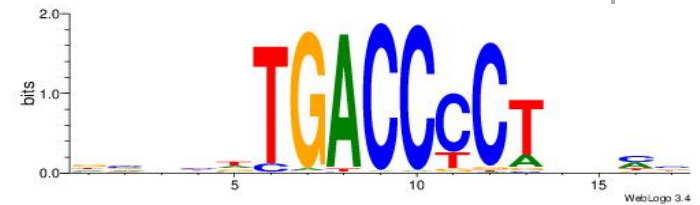
Original motif

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:

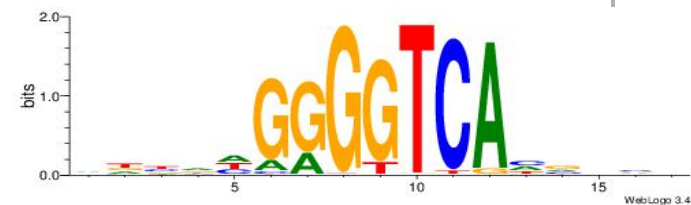
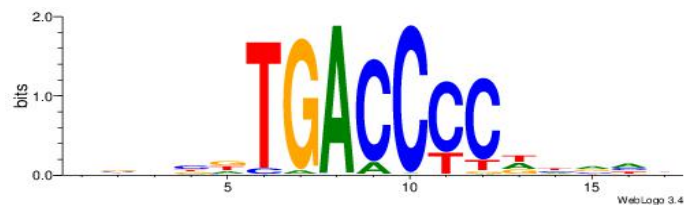
DBHBDTGACCCCDHVHB
-----TGACCTTGMBBB

Original motif

Consensus sequence: DBHBDTGACCCCDHVHB

Reverse complement motif

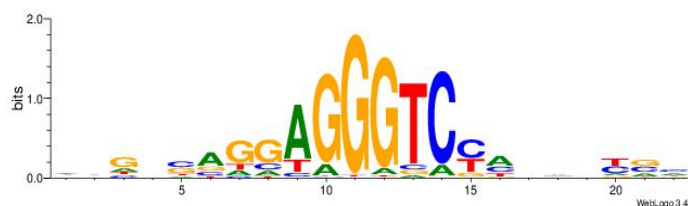
Consensus sequence: VHBHDGGGGTCAHBHBD



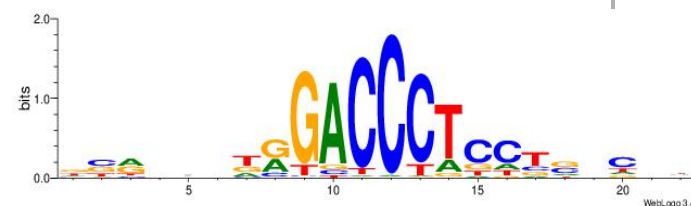
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 12
 Similarity score: 0.0525354

Alignment:
 DVMHHDHKGACCCTCCTSVCBH
 -----TGACCTTGMBBB---

Original motif
 Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif
 Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



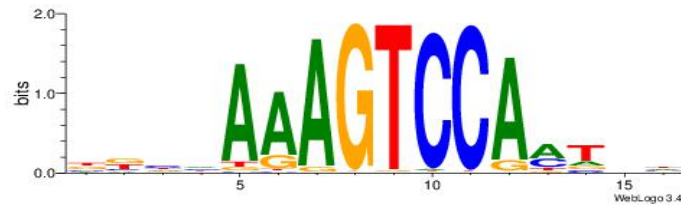
Motif ID: [UP00066](#)

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

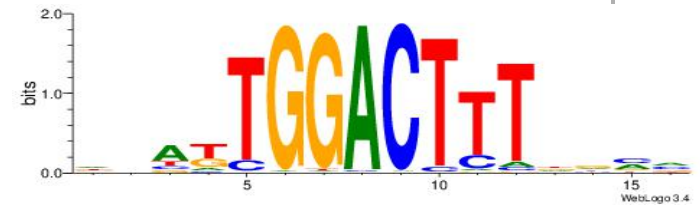
Original motif

Consensus sequence: BBHHAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTHDBV



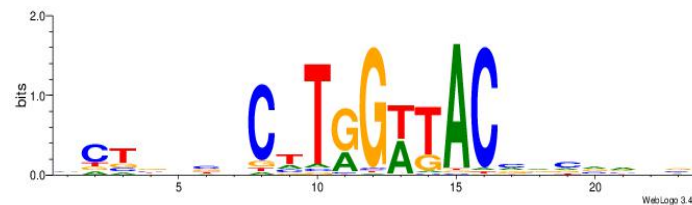
Motif ID: [UP00098](#)
Motif name: Rfx3_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 9
Number of overlap: 12
Similarity score: 0.0609738

Alignment:

BDBBVBVGTAWCCAAGVBHBAGB
-----TGACCTTGMBBB----

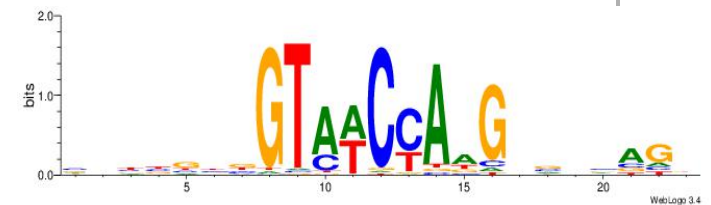
Original motif

Consensus sequence: VCTBHBVCTTGGWTACV V V V VDB



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



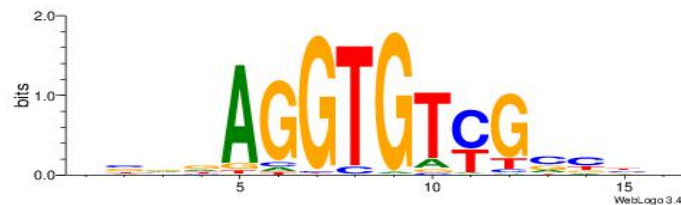
Best Matches for Motif ID 55 (Highest to Lowest)

Motif ID:	UP00068
Motif name:	Eomes_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement

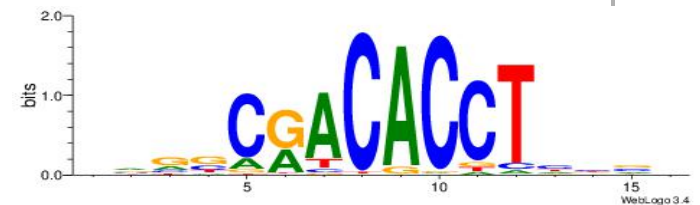
Direction: Backward
 Position number: 4
 Number of overlap: 6
 Similarity score: 0

Alignment:
 VVBVCKACACCTHVBV
 -----CACCTD----

Original motif
 Consensus sequence: VBVDAGGTGTYGVBBV



Reverse complement motif
 Consensus sequence: VVBVCKACACCTHVBV



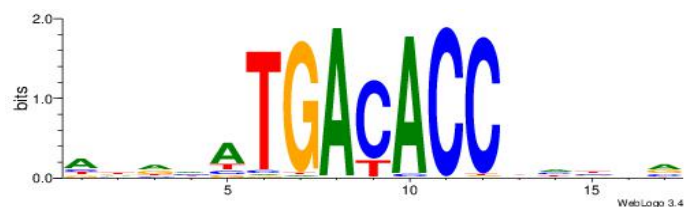
Motif ID: [UP00199](#)
 Motif name: Six4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 6
 Similarity score: 0.00433068

Alignment:

BBVHVGGTGTGCATHDDT
---HAGGTG-----

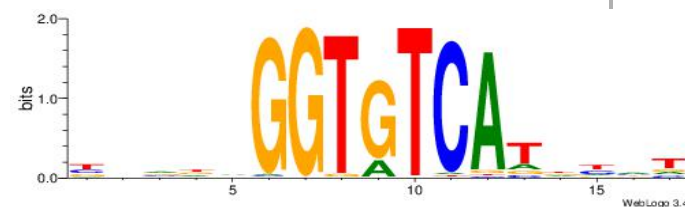
Original motif

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:

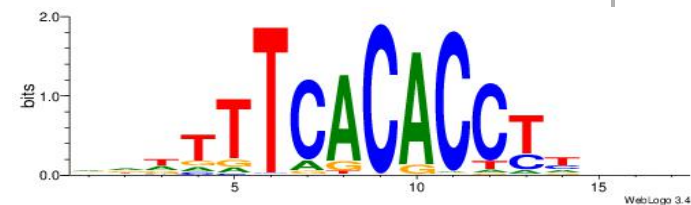
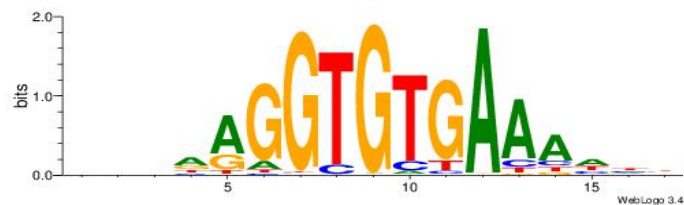
HHHTTTCACACCTDHBV
-----CACCTD---

Original motif

Consensus sequence: BVHDAGGTGTGAAAHHH

Reverse complement motif

Consensus sequence: HHHTTTCACACCTDHBV

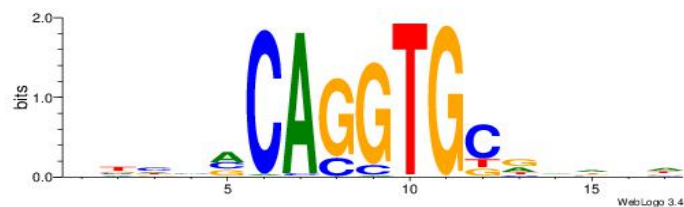


Motif ID: [UP00046](#)
 Motif name: Tcfe2a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0.00911301

Alignment:
 DHDBHGCACCTGBDDVB
 -----CACCTD-----

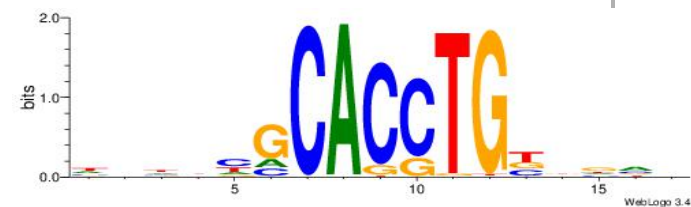
Original motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Reverse complement motif

Consensus sequence: DHDBHGCACCTGBDDVB



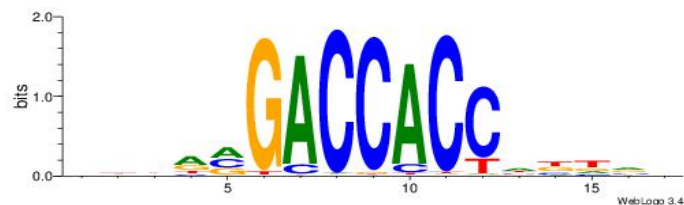
Motif ID: [UP00047](#)

Motif name: Zbtb7b_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 6
 Similarity score: 0.0233556

Alignment:
 BDDRVGACCACCHBDVB
 -----CACCTD---

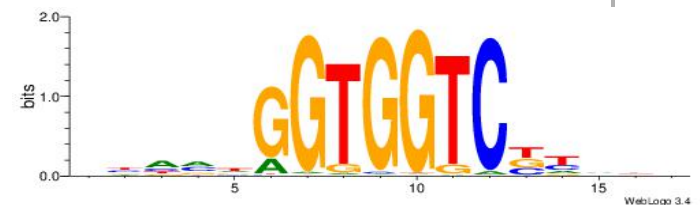
Original motif

Consensus sequence: BDDRVGACCACCHBDVB



Reverse complement motif

Consensus sequence: BBDVHGGTGGTCBKDDDB

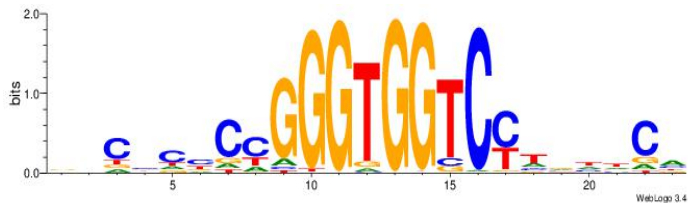


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 11
 Number of overlap: 6

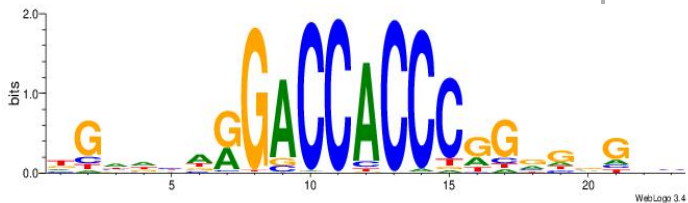
Similarity score: 0.0233928

Alignment:
BHCBCBCCGGGTGGTCYHVHDCH
-----HAGGTG-----

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB

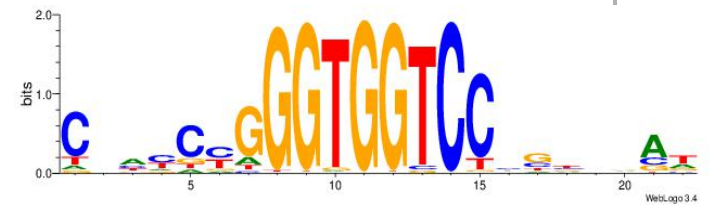
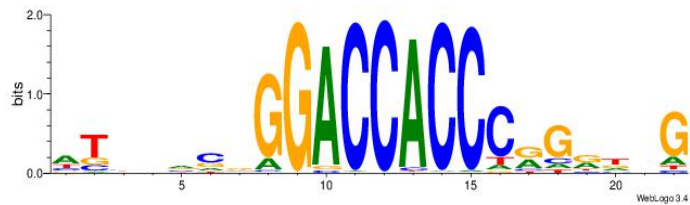


Motif ID: [UP00539](#)
Motif name: Gli2_v015681_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 12
Number of overlap: 6
Similarity score: 0.0254338

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

Original motif
Consensus sequence: HTBVVVDGGACCACCCRGRDBG

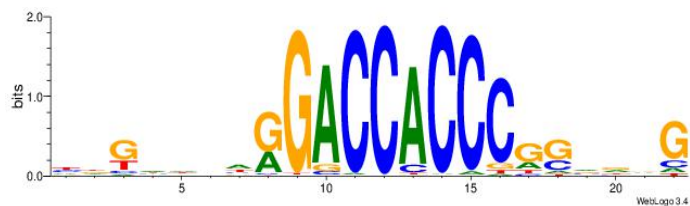
Reverse complement motif
Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



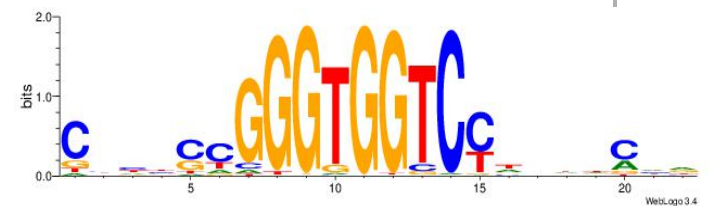
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0290143

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

Original motif
 Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif
 Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



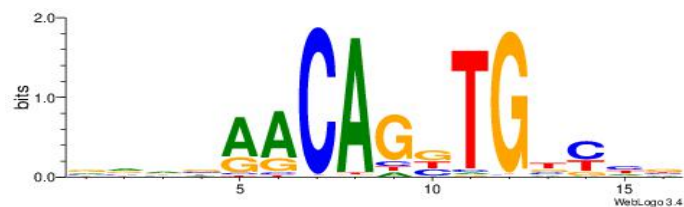
Motif ID: [UP00036](#)
 Motif name: Myf6_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0.0309673

Alignment:

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

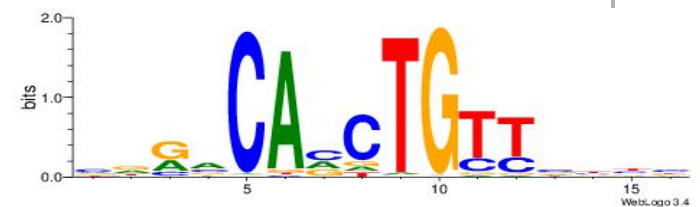
Original motif

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

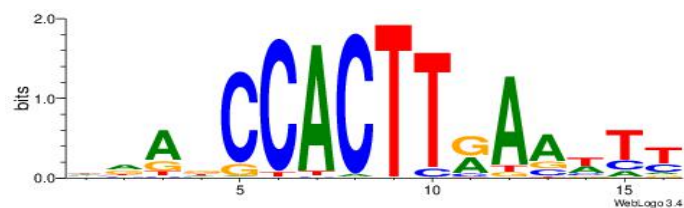
Number of overlap: 6
Similarity score: 0.031502

Alignment:

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

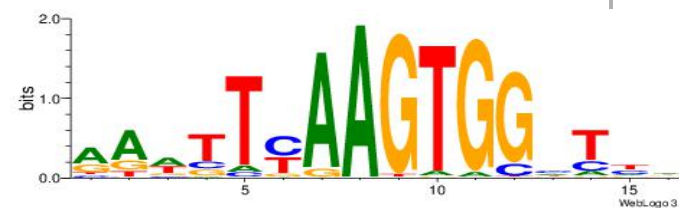
Original motif

Consensus sequence: HDADCCACTTTRAAWTT



Reverse complement motif

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)

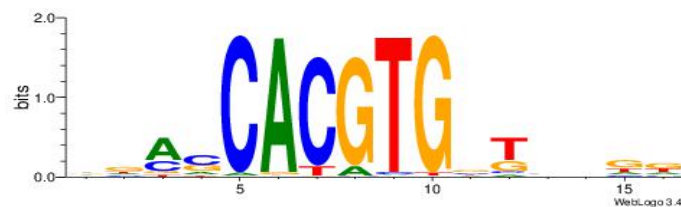
Motif ID: [UP00060](#)
Motif name: Max_primary
Species: Mus musculus

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----

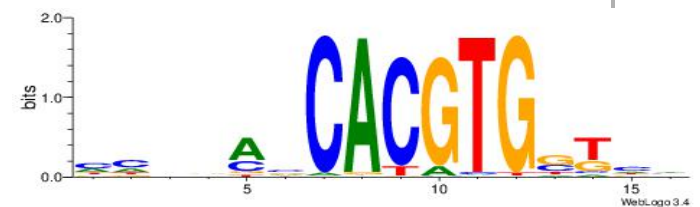
Original motif

Consensus sequence: DDASCACGTGBTBVDD



Reverse complement motif

Consensus sequence: HHVBABCACGTGSTHD



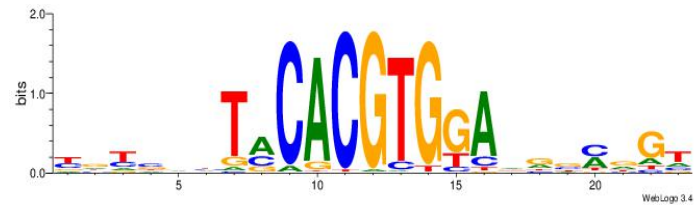
Motif ID:	UP00050
Motif name:	Bhlhb2_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	7
Number of overlap:	10
Similarity score:	0.00783793

Alignment:

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

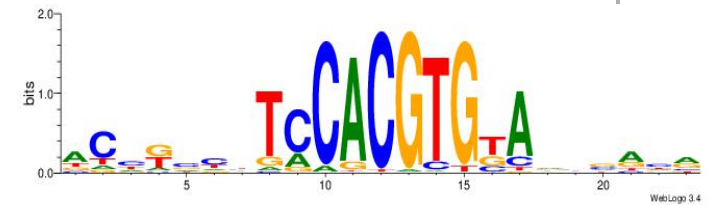
Original motif

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:

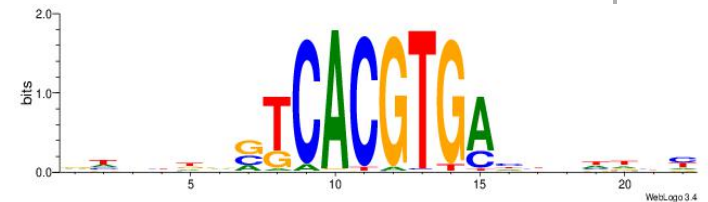
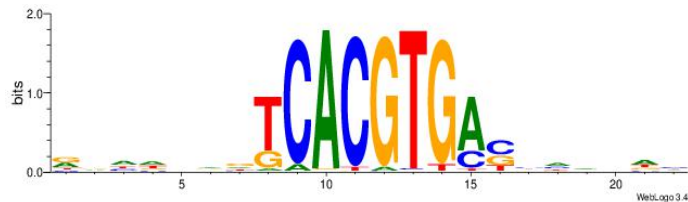
DDHBHBSTCACGTGAHBBDHMM
-----GCCACGTGSD-----

Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH

Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHMM

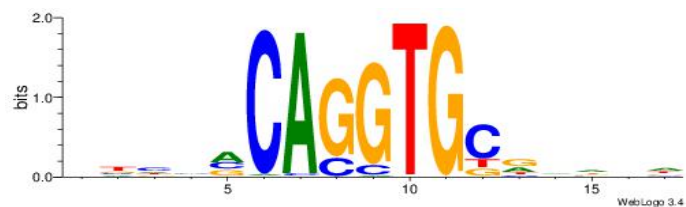


Motif ID: [UP00046](#)
 Motif name: Tcfe2a_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0227933

Alignment:
 VBHHVCAGGTGCDVDHD
 ---GCCACGTGSD----

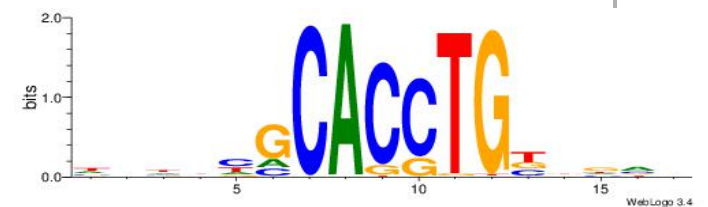
Original motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Reverse complement motif

Consensus sequence: DHDBHGCACCTGBDDVB



Motif ID: [UP00060](#)

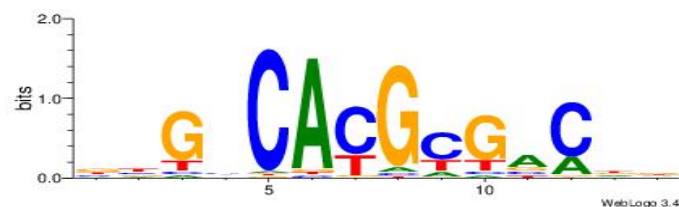
Motif name:	Max_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	10
Similarity score:	0.0257011

Alignment:

```
BBGHCACGCGACDD
--HSCACGTGGC--
```

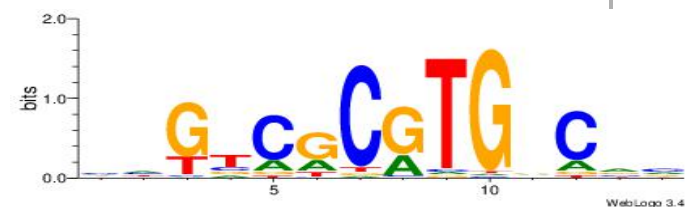
Original motif

Consensus sequence: BBGHCACGCGACDD



Reverse complement motif

Consensus sequence: HDGTCGCGTGDCVB



Motif ID:	UP00165
Motif name:	Titf1
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	10

Similarity score: 0.0344833

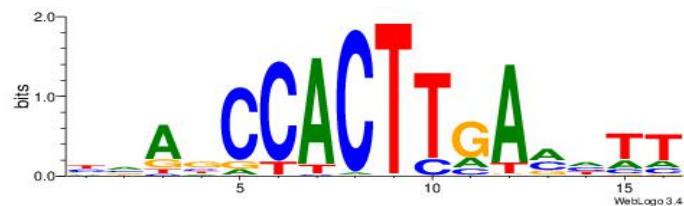
Alignment:

BVABCCACTTGAMHTT

---GCCACGTGSD---

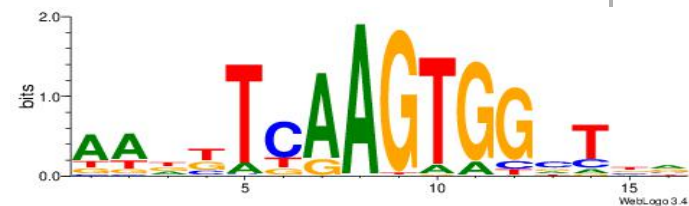
Original motif

Consensus sequence: BVABCCACTTGAMHTT



Reverse complement motif

Consensus sequence: AAHYTCAAGTGGBTBV



Motif ID: [UP00231](#)

Motif name: Nkx2-2

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Backward

Position number: 5

Number of overlap: 10

Similarity score: 0.035228

Alignment:

HDVRCCACTTGARADBD

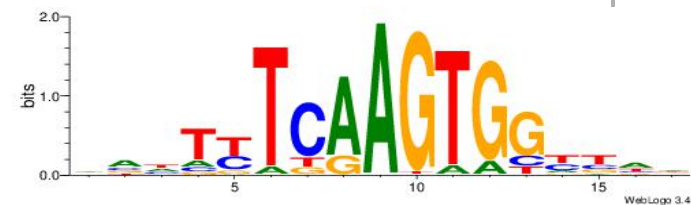
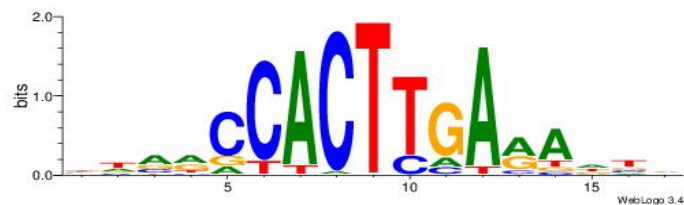
---GCCACGTGSD----

Original motif

Consensus sequence: HDVRCCACTTGARADBD

Reverse complement motif

Consensus sequence: DVDTKTCAAGTGGKBDH



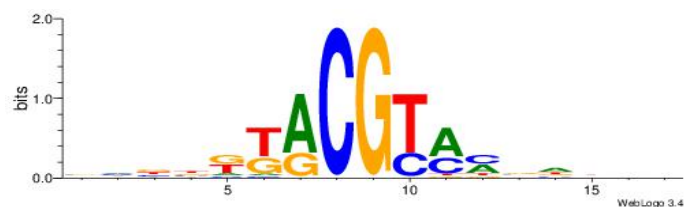
Motif ID: [UP00084](#)
 Motif name: Gmeb1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0358581

Alignment:

BVVDVRYACGTRYVBHB
 ----GCCACGTGSD---

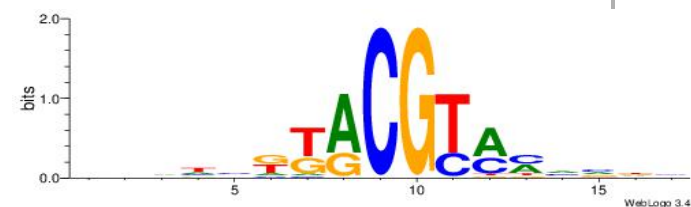
Original motif

Consensus sequence: BHBBKKACGTMMVDBVB



Reverse complement motif

Consensus sequence: BVVDVRYACGTRYVBHB



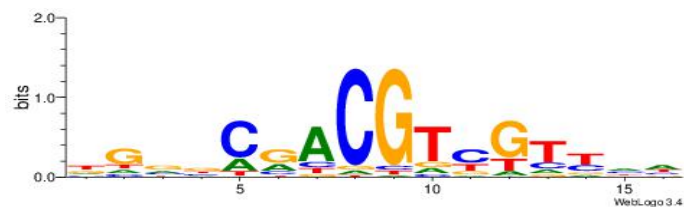
Motif ID: [UP00084](#)
 Motif name: Gmeb1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.03725

Alignment:

HHMACKACGTMGBVCD
 ---HSCACGTGGC---

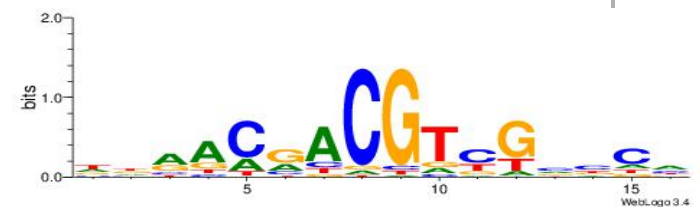
Original motif

Consensus sequence: DGVBCRACGTGTYHH



Reverse complement motif

Consensus sequence: HHMACKACGTMGBVCD



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

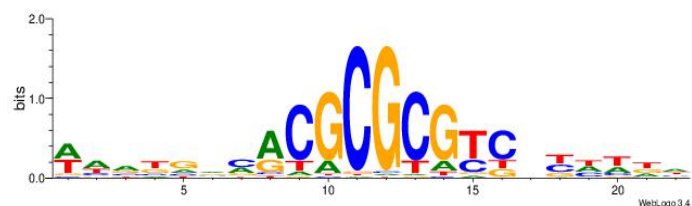
Number of overlap: 10
Similarity score: 0.0383187

Alignment:

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

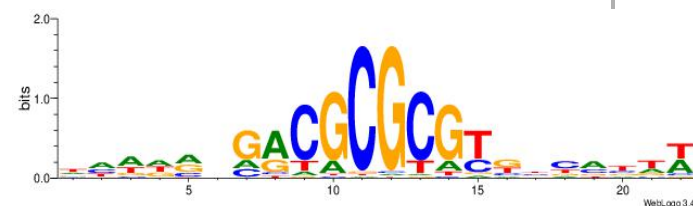
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

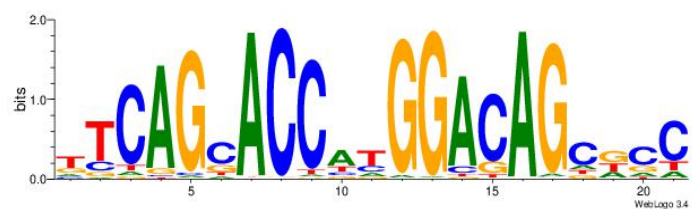
Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



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

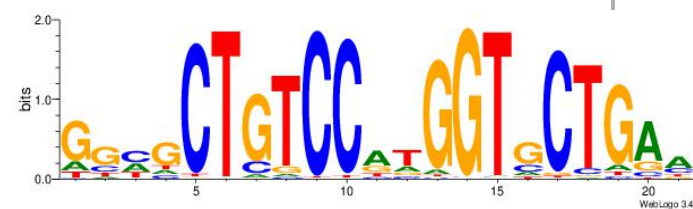
Original motif

Consensus sequence: TTCAGCACCATGGACAGCKCC



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

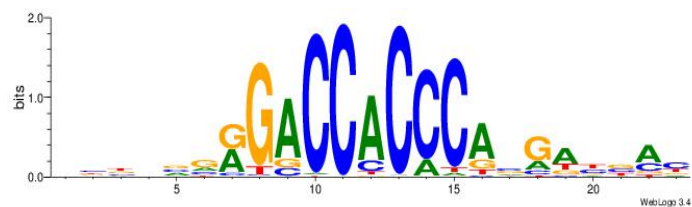
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	21
Similarity score:	0.0699178

Alignment:

```
BBBDVVRGACCACCCAVGABBAB
--TTCAGCACCATGGACAGCKCC
```

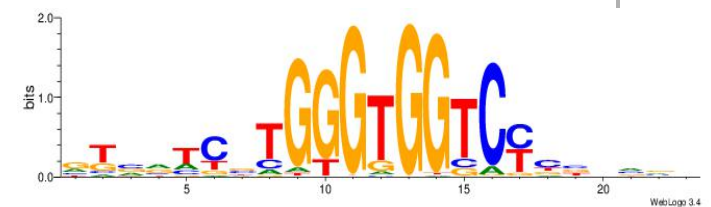
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCVTGGGTGGTCMVVDVBB



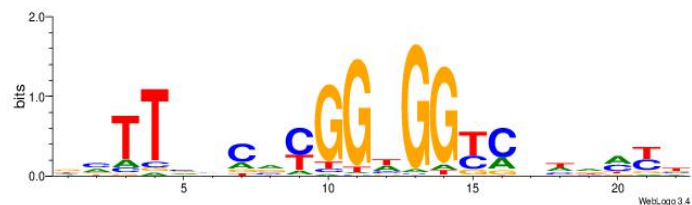
Motif ID:	UP00540
Motif name:	Gli3_v015681_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	21
Similarity score:	0.0734685

Alignment:

VMYDHDGMCCHCCKBGVVAAVH
GGYGCTGTCCATGGTGCTGAA-

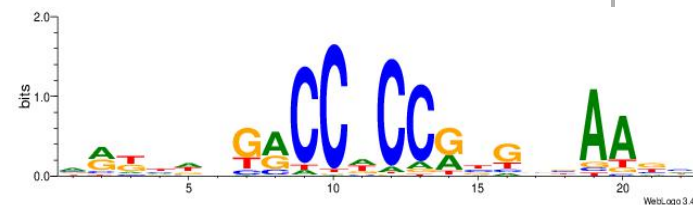
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAAVH



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

Alignment:

VYWVVHCRCCACMCACGAHSBHH
-TTCAGCACCATGGACAGCKCC-

Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

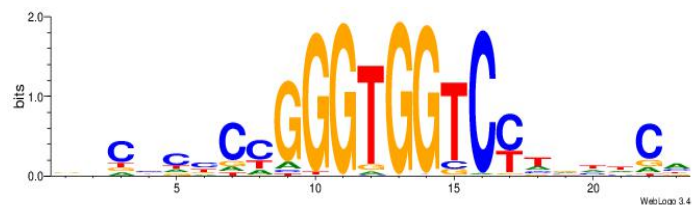
Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 21
 Similarity score: 0.0751449

Alignment:

BHCBCBCCGGGTGGTCYHVDCH
 GYGCTGTCCATGGTGCTGAA--

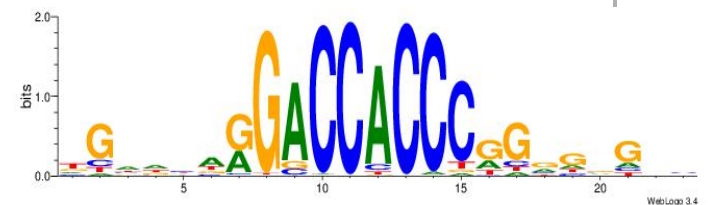
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB

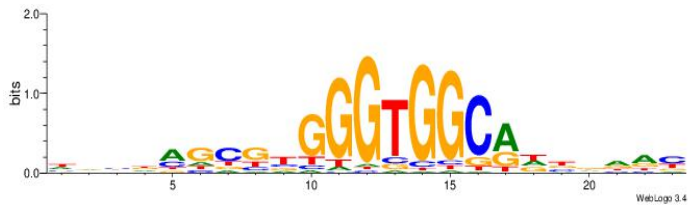


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 21

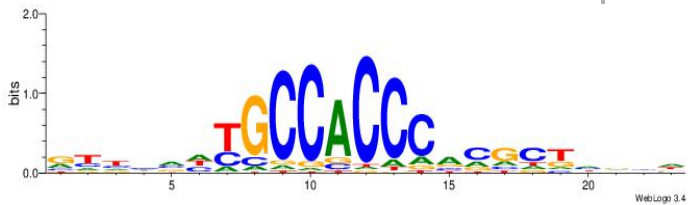
Similarity score: 0.075832

Alignment:
BDDHVDKGCCACCCVCGCTDBVH
-TTCAGCACCATGGACAGCKCC-

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

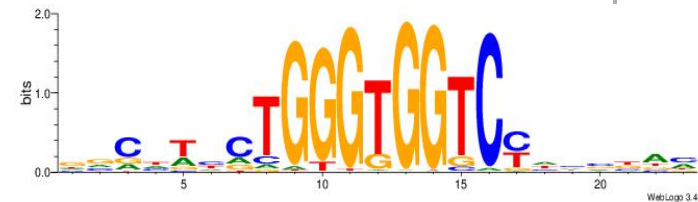
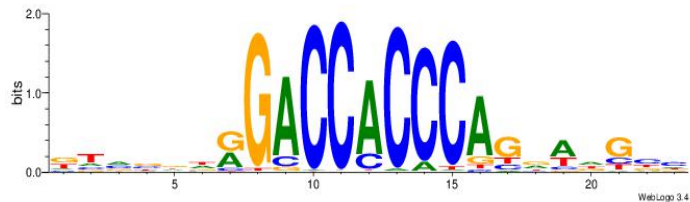


Motif ID: [UP00539](#)
Motif name: Gli2_v016060_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 21
Similarity score: 0.0773446

Alignment:
DTVBD DRGACCACCCAGDWDGBH
--TTCAGCACCATGGACAGCKCC

Original motif
Consensus sequence: DTVBD DRGACCACCCAGDWDGBH

Reverse complement motif
Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



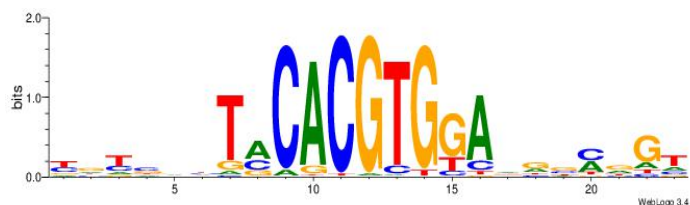
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 21
 Similarity score: 0.0775367

Alignment:

YDYBDHTMCACGTGGADDBMDGT
 --TTCAGCACCATGGACAGCKCC

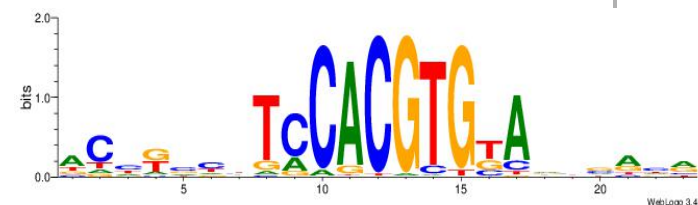
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



Motif ID: [UP00528](#)

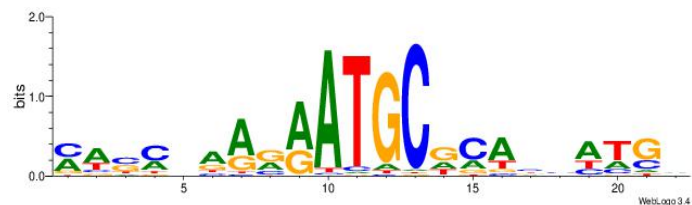
Motif name: Foxm1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 21
 Similarity score: 0.077977

Alignment:

DCATDBTGHGCATKMTTBRSWR
 -GGYGCTGTCCATGGTGCTGAA

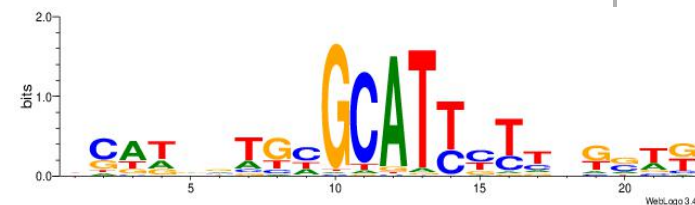
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



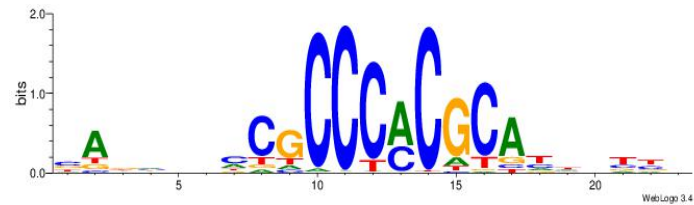
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 21
 Similarity score: 0.0785969

Alignment:

VVVDHHTGCGYGGGCGDHSVHHTB
--GGYGCTGTCCATGGTGCTGAA

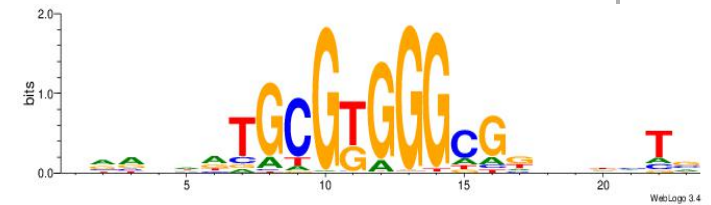
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHDBBV



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)

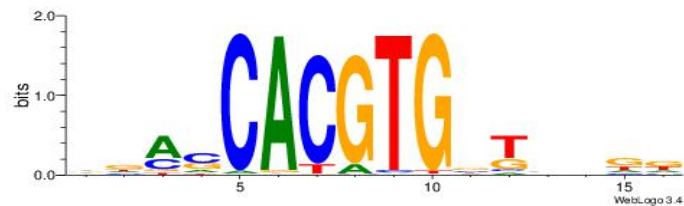
Motif ID:	UP00060
Motif name:	Max_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif

Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0

Alignment:
 DDASCACGTGBTBVDD
 --VGCACGTGGH----

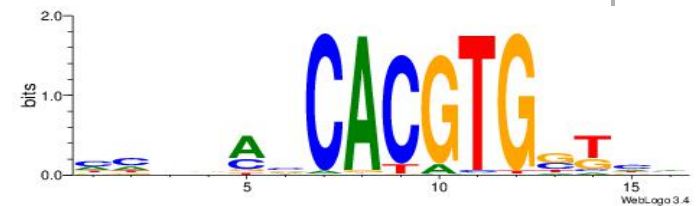
Original motif

Consensus sequence: DDASCACGTGBTBVDD



Reverse complement motif

Consensus sequence: HHVBABCACGTGSTHD



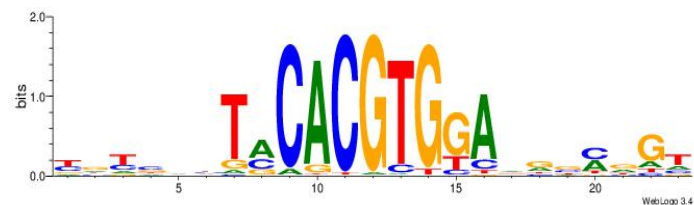
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 10
 Similarity score: 0.00631885

Alignment:

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

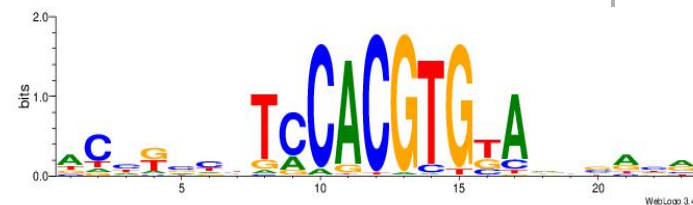
Original motif

Consensus sequence: YDYPDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHBMMH



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

Alignment:

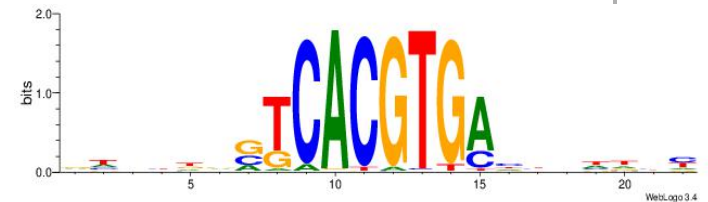
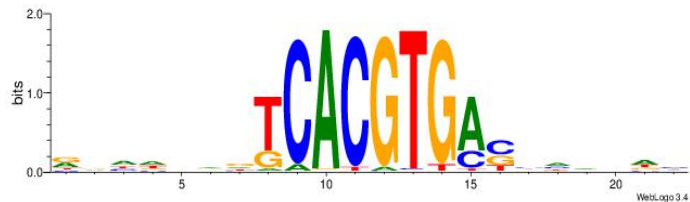
DDHBHBSTCACGTGAHBBDHMM
 -----DCCACGTGCV-----

Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH

Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHMM

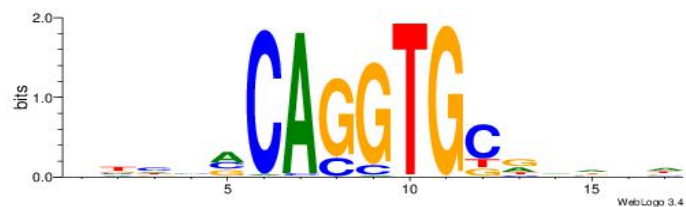


Motif ID: [UP00046](#)
 Motif name: Tcfe2a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0140005

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

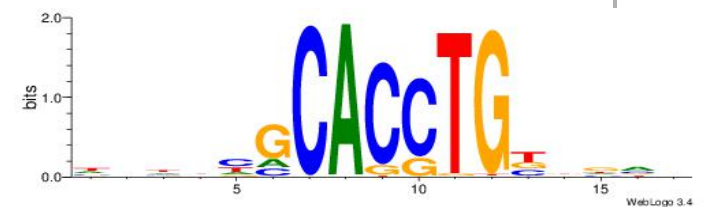
Original motif

Consensus sequence: VBHHVCAGGTGCDVDHD



Reverse complement motif

Consensus sequence: DHDBHGCACCTGBDDVB



Motif ID: [UP00060](#)

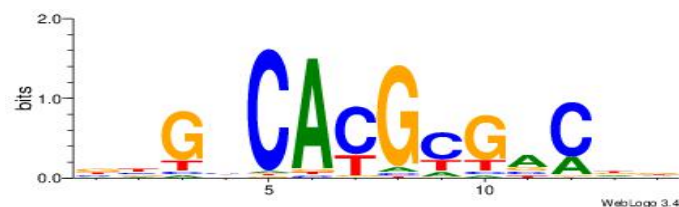
Motif name:	Max_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	10
Similarity score:	0.0308912

Alignment:

```
BBGHCACGCGACDD
--VGCACGTGGH--
```

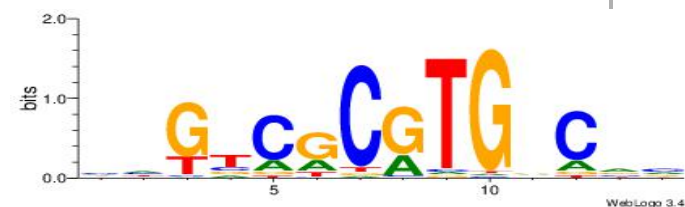
Original motif

Consensus sequence: BBGHCACGCGACDD



Reverse complement motif

Consensus sequence: HDGTCGCGTGDCVB



Motif ID:	UP00165
Motif name:	Titf1
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	10

Similarity score: 0.0311723

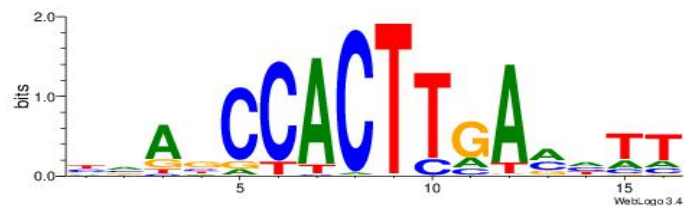
Alignment:

BVABCCACTTGAMHTT

---DCCACGTGCV---

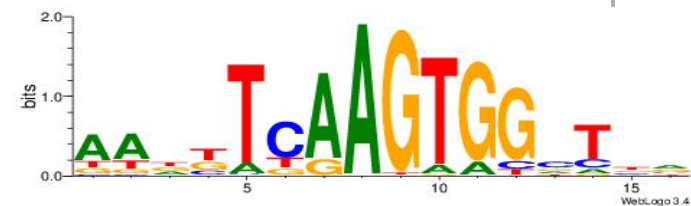
Original motif

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

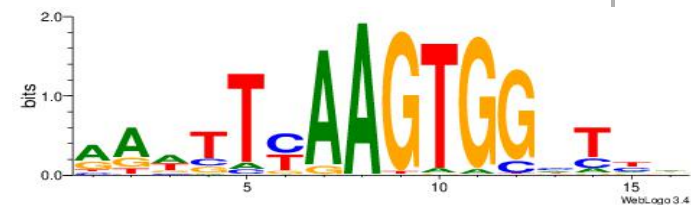
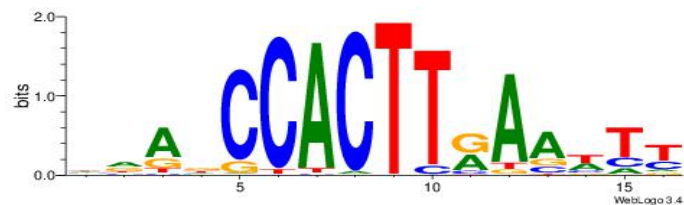
---DCCACGTGCV---

Original motif

Consensus sequence: HDADCCACTTTRAAWTT

Reverse complement motif

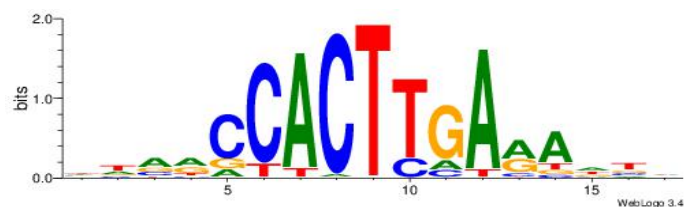
Consensus sequence: AAWTTMAAGTGGHTDH



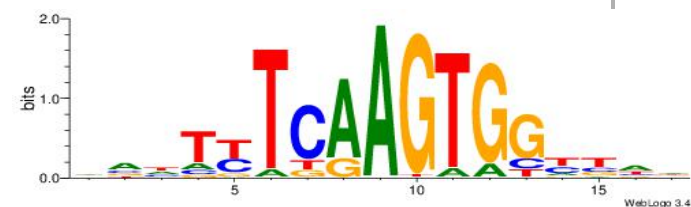
Motif ID: [UP00231](#)
 Motif name: Nkx2-2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0334845

Alignment:
 HDVRCCACTTGARADBD
 ---DCCACGTGCV----

Original motif
 Consensus sequence: HDVRCCACTTGARADBD



Reverse complement motif
 Consensus sequence: DVDTKTCAAGTGGKBDH



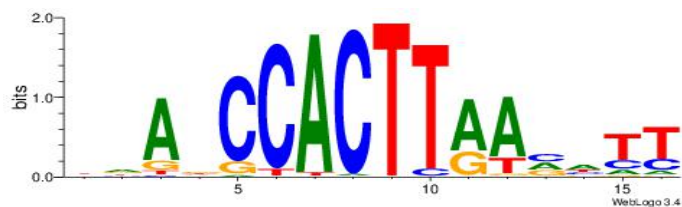
Motif ID: [UP00147](#)
 Motif name: Nkx2-6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0345548

Alignment:

DDADCCACTTAAVHTT
 ---DCCACGTGCV---

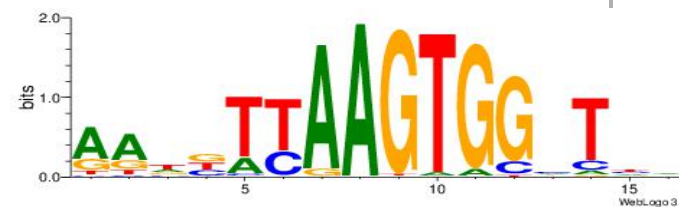
Original motif

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

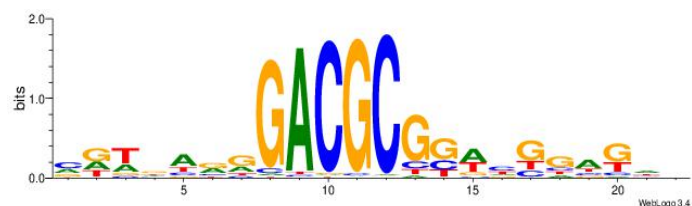
Number of overlap: 10
Similarity score: 0.0363818

Alignment:

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

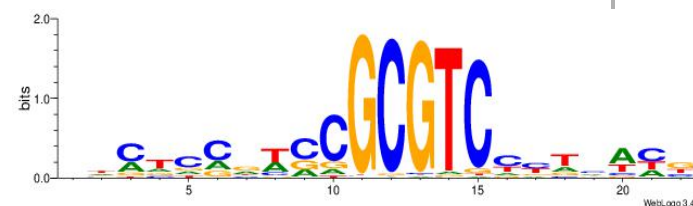
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAHV



Reverse complement motif

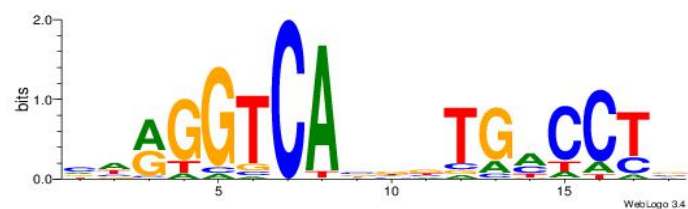
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



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

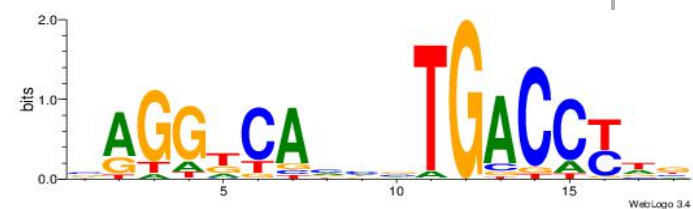
Original motif

Consensus sequence: VHRGGTCABDBTGMCTB



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

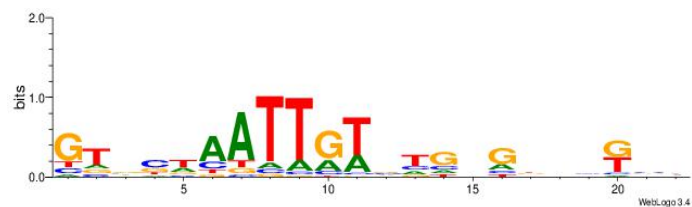
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	18
Similarity score:	0.0443894

Alignment:

```
GTVBDAATTGTVTGHGDDHKVB
---VHRGGTCABDBTGMCCTB-
```

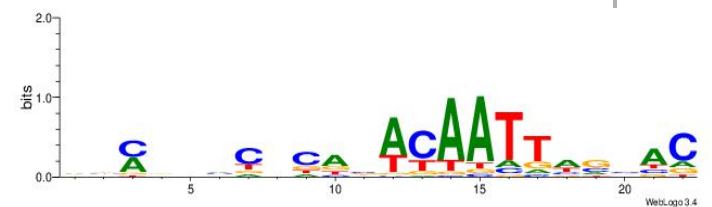
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



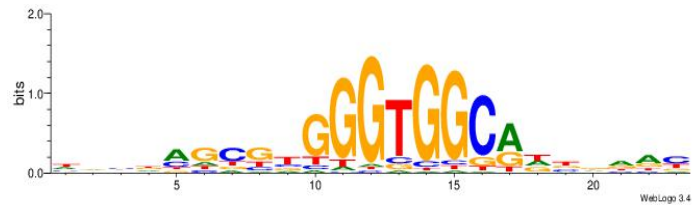
Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	18
Similarity score:	0.049219

Alignment:

BDDHVDPKCCACCCVCGCTDBVH
---VHRGGTCABDBTGMCTB---

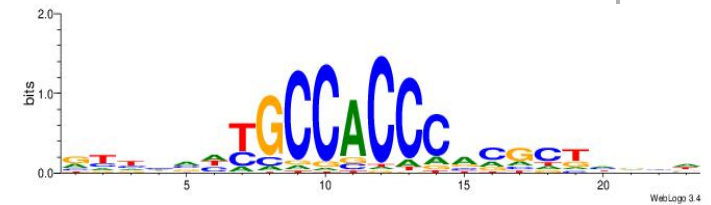
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDPKCCACCCVCGCTDBVH



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:

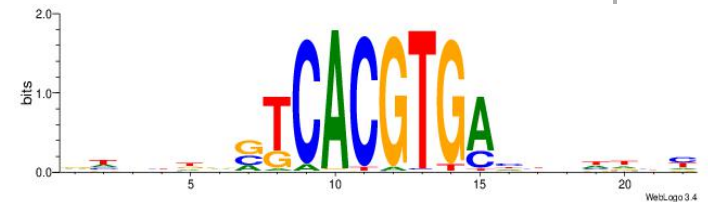
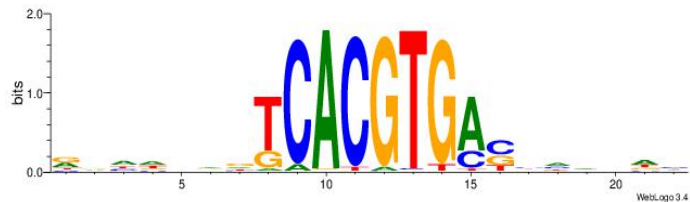
DDHBHBSTCACGTGAHBBDHMH
---VHRGGTCABDBTGMCTB---

Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH

Reverse complement motif

Consensus sequence: DDHBHBSTCACGTGAHBBDHMH

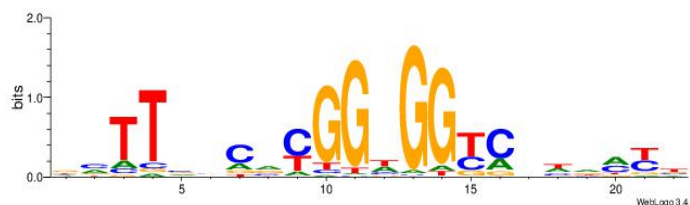


Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 18
 Similarity score: 0.0527075

Alignment:
 DVTTVVCVYGGHGGYCHHDMYB
 -BAGGYCABHBTGACCKHV---

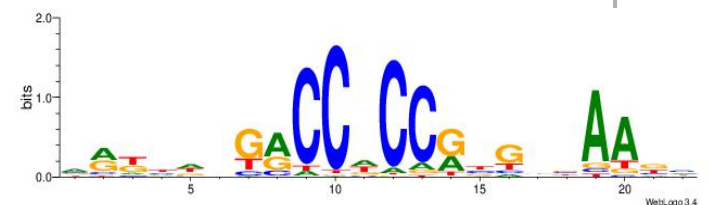
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH



Motif ID: [UP00034](#)

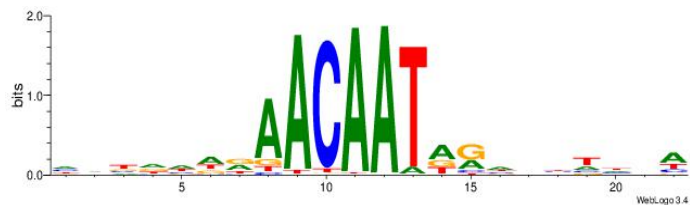
Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 18
 Similarity score: 0.0541044

Alignment:

WBHHHHHMDATTGTTDHDVHH
 -BAGGYCABHBTGACCKHV---

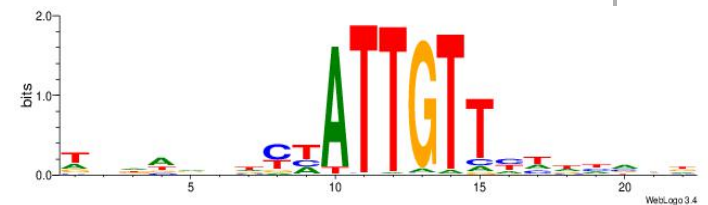
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTDHDVHH

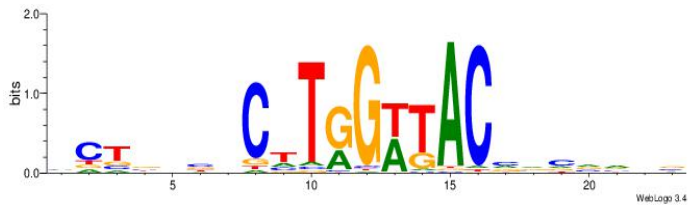


Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 18

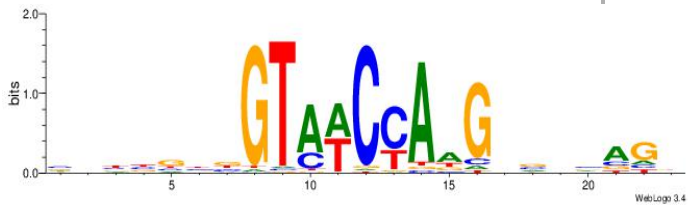
Similarity score: 0.0541108

Alignment:
VCTBHBVCTTGGWTACVVVVVDB
--BAGGYCABHBTGACCKHV---

Original motif
Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif
Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB

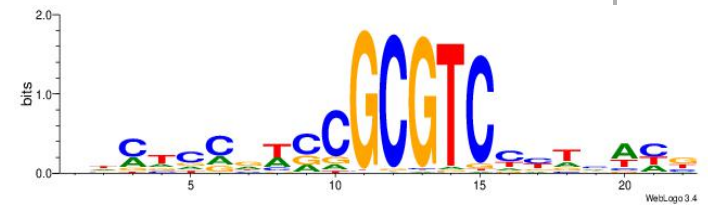
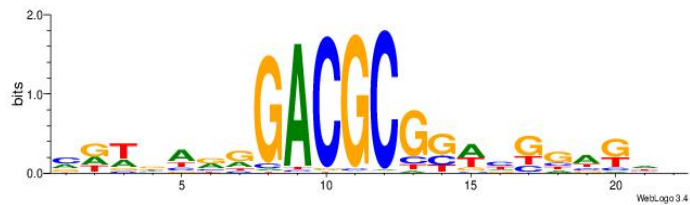


Motif ID: [UP00527](#)
Motif name: Foxn4_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 18
Similarity score: 0.0543733

Alignment:
VDWDARRGACGCGGWHGGAKHV
---VHRGGTCABDBTGMCTB-

Original motif
Consensus sequence: VDWDARRGACGCGGWHGGAKHV

Reverse complement motif
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



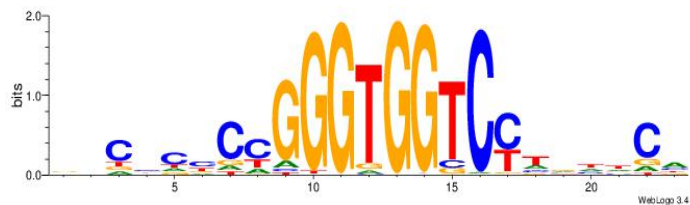
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.0548087

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
 -BAGGYCABHBTGACCKHV-----

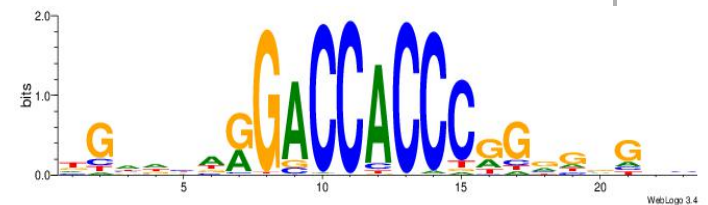
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



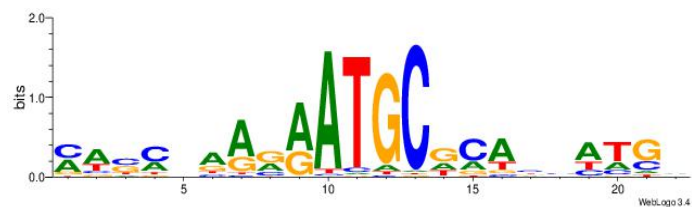
Motif ID: [UP00528](#)
 Motif name: Foxm1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.055453

Alignment:

DCATDBTGHGCATKMTTBRSWR
 ----VHRGGTCABDBTGMCCCTB

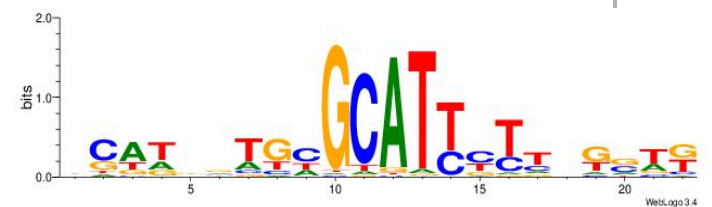
Original motif

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

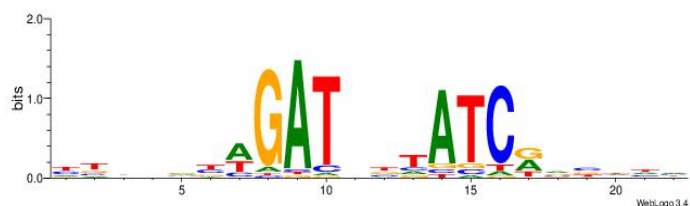
Number of overlap: 18
Similarity score: 0.0566426

Alignment:

HBHDVBWGATHBTATCRVBHHH
-VHRGGTCABDBTGMCTB---

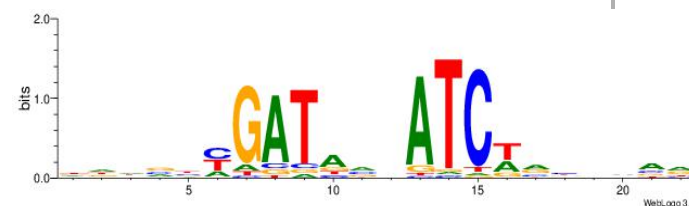
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

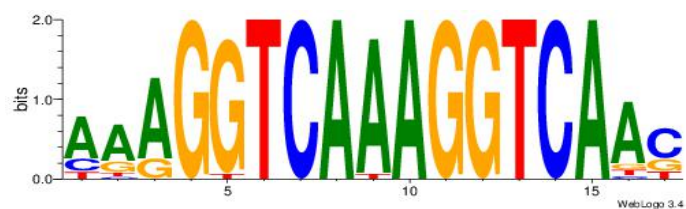
Consensus sequence: HHHBBMGATAVHATCWVVDHVH



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

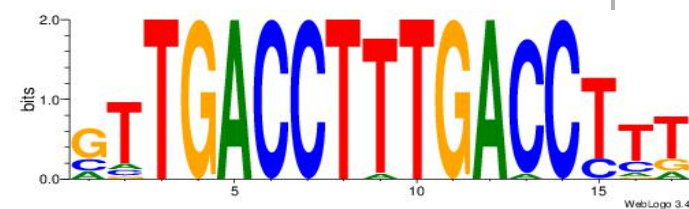
Original motif

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

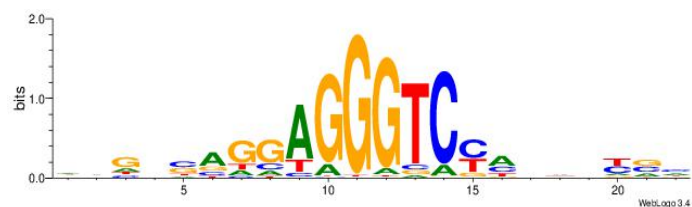
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	17
Similarity score:	0.0538452

Alignment:

```
DVMHHDHKGACCCTCCTSVCBH
-----GTTGACCTTTGACCTTT
```

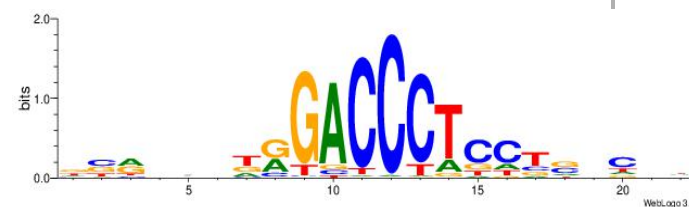
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



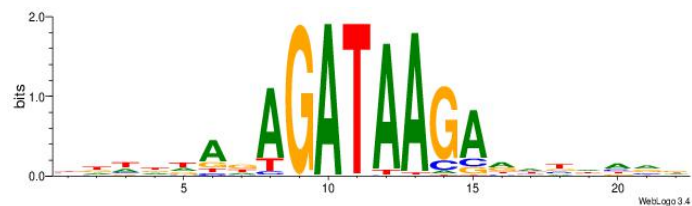
Motif ID:	UP00032
Motif name:	Gata3_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	17
Similarity score:	0.0545098

Alignment:

BDHDDADAGATAAGADHBDHVD
-----AAAGGTCAAAGGTCAAC

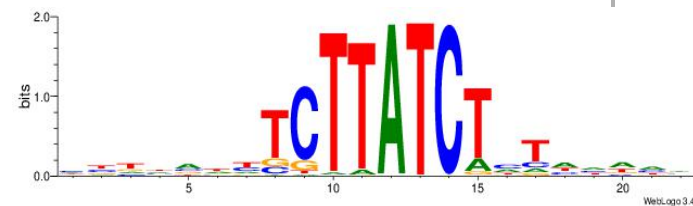
Original motif

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:

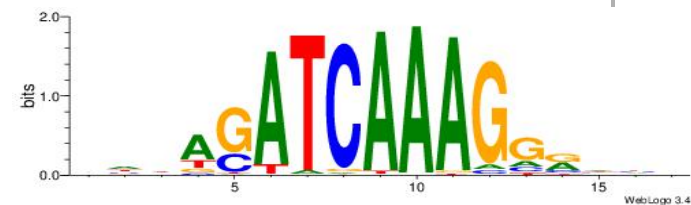
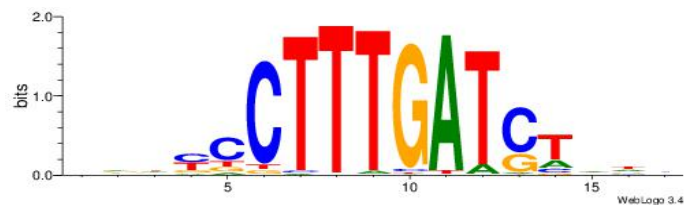
VDDAGATCAAAGGKDDD-
-AAAGGTCAAAGGTCAAC

Original motif

Consensus sequence: DDDYCCTTTGATCTDDV

Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD



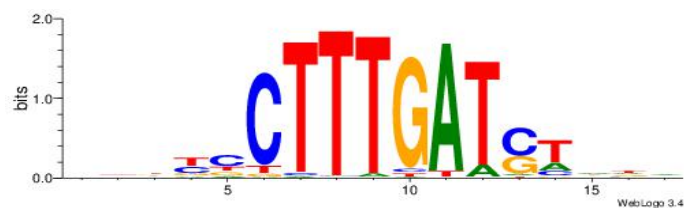
Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.527825

Alignment:

-DDDYCCTTTGATSTDDV
 GTTGACCTTTGACCTTT-

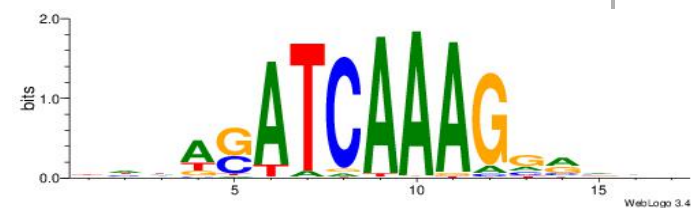
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDD



Motif ID: [UP00054](#)

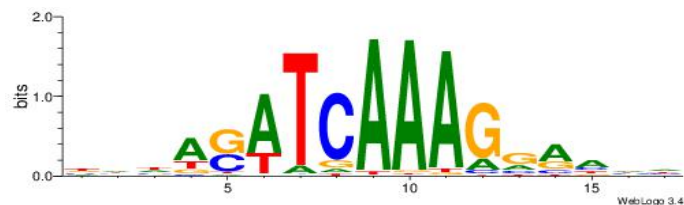
Motif name: Tcf7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.531154

Alignment:

BHHASATCAAAGGAHHH-
 -AAAGGTCAAAGGTCAAC

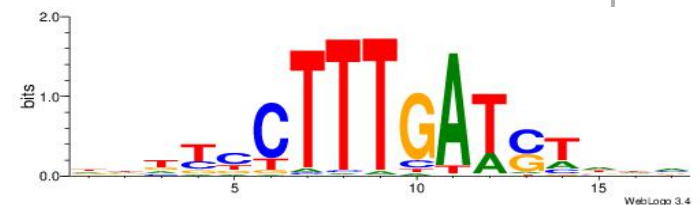
Original motif

Consensus sequence: BHHASATCAAAGGAHHH



Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV



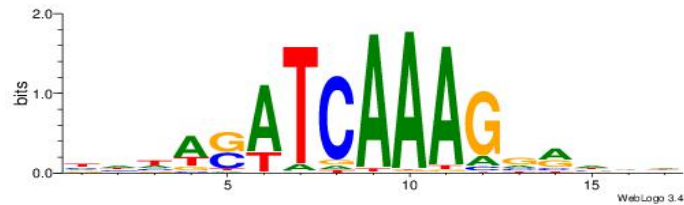
Motif ID: [UP00058](#)
 Motif name: Tcf3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.531876

Alignment:

-HHHASATCAAAGVRHHH
AAAGGTCAAAGGTCAAC-

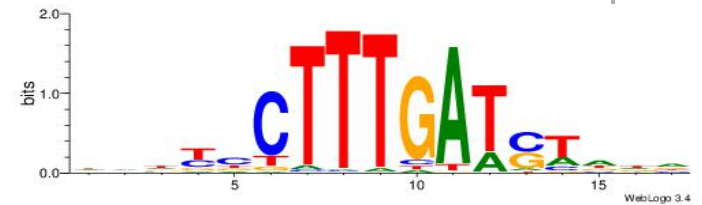
Original motif

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:

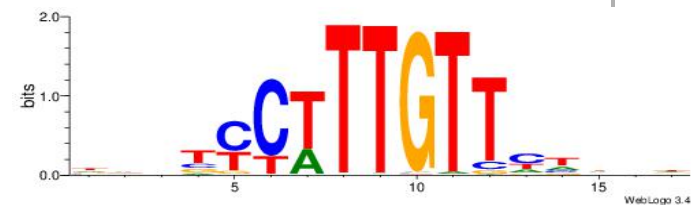
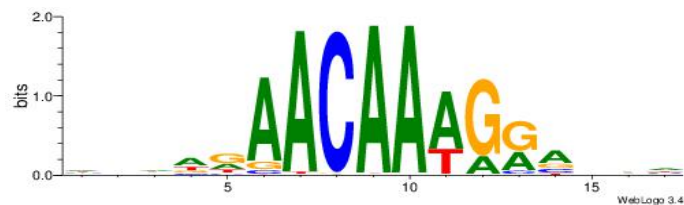
HBDDRAACAAAGRABHH-
-AAAGGTCAAAGGTCAAC

Original motif

Consensus sequence: HBDDRAACAAAGRABHH

Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH

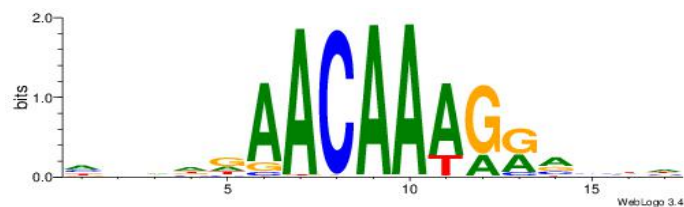


Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.544565

Alignment:
 -HHBBMCTTTGTTHDDBH
 GTTGACCTTTGACCTTT-

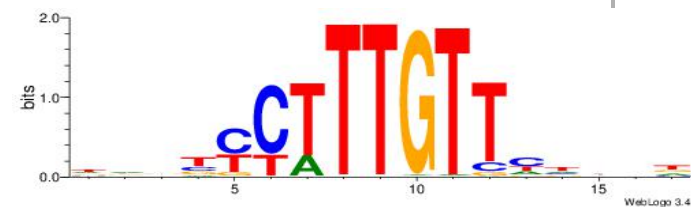
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH



Motif ID: [UP00019](#)

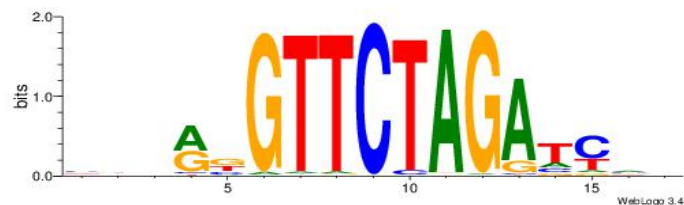
Motif name: Zbtb12_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.550511

Alignment:

-BBGATCTAGAACBKHDB
 GTTGACCTTTGACCTTT-

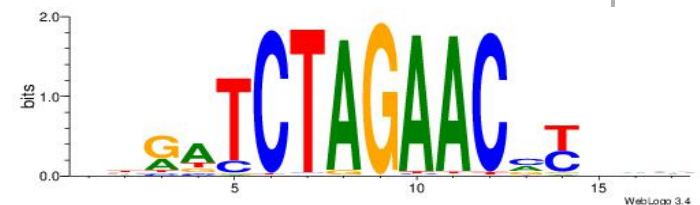
Original motif

Consensus sequence: BDHRBGTTCTAGATCVB



Reverse complement motif

Consensus sequence: BBGATCTAGAACBKHDB



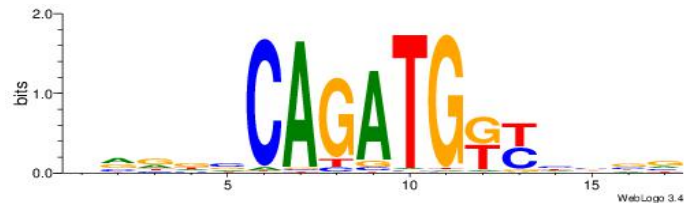
Motif ID: [UP00046](#)
 Motif name: Tcf2a_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.552064

Alignment:

HVDDVCAGATGKYHBBV-
-AAAGGTCAAAGGTCAAC

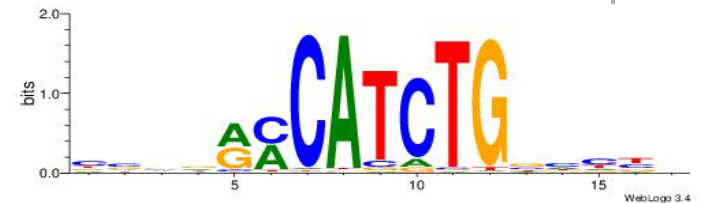
Original motif

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)

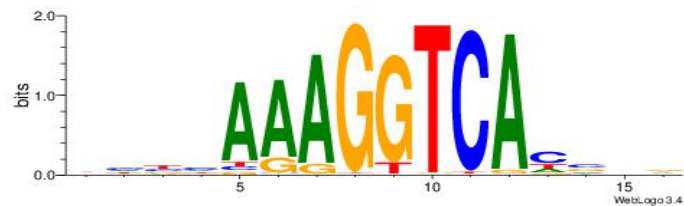
Motif ID:	UP00048
Motif name:	Rara
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif

Direction: Backward
Position number: 4
Number of overlap: 8
Similarity score: 0

Alignment:
DHBHAAAGGTCACVHD
-----AAGGTCAC---

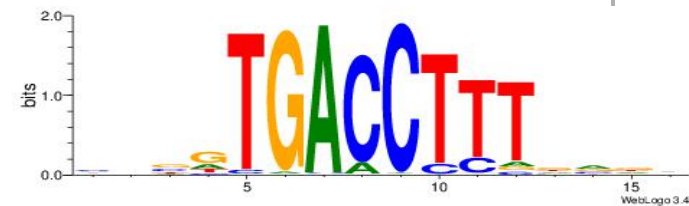
Original motif

Consensus sequence: DHBHAAAGGTCACVHD



Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD



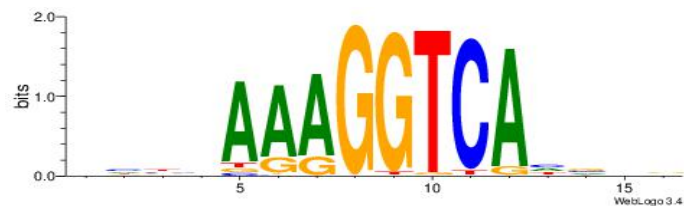
Motif ID: [UP00009](#)
Motif name: Nr2f2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 8
Similarity score: 0.0074527

Alignment:

DHBHAAAGGTCAHVHB
-----AAGGTCAC---

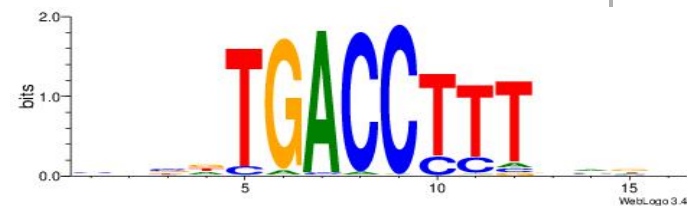
Original motif

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:	Backward
Position number:	5
Number of overlap:	8
Similarity score:	0.01542

Alignment:

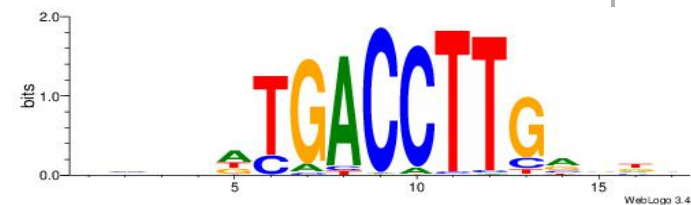
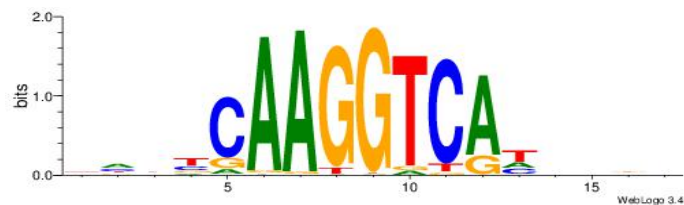
DHDBCAAGGTCAHVBDH
-----AAGGTCAC-----

Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH

Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD

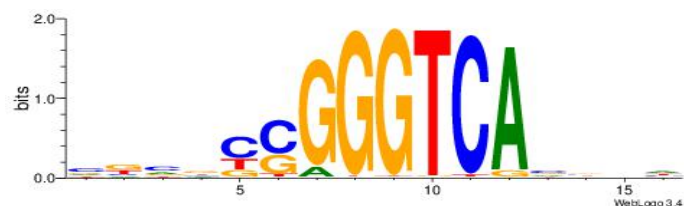


Motif ID: [UP00009](#)
 Motif name: Nr2f2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0395644

Alignment:
 VBVBSCGGGTCAVBBH
 -----AAGGTCAC---

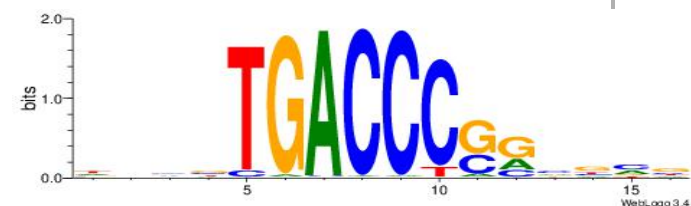
Original motif

Consensus sequence: VBVBSCGGGTCAVBBH



Reverse complement motif

Consensus sequence: HVBVTGACCCSGBVBV



Motif ID: [UP00082](#)

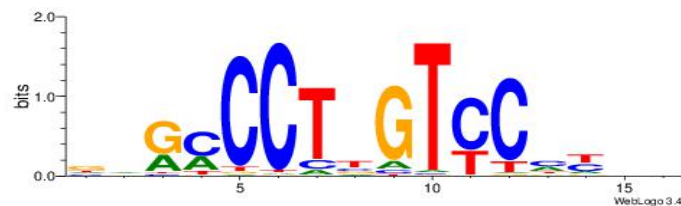
Motif name: Zfp187_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 9
 Number of overlap: 8
 Similarity score: 0.0407874

Alignment:

DDGMCCTBGTCCHYHV
 GTGACCTT-----

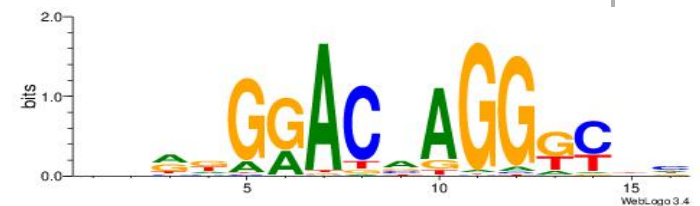
Original motif

Consensus sequence: DDGMCCTBGTCCHYHV



Reverse complement motif

Consensus sequence: VHMDGGACVAGGRCDH



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

Similarity score: 0.0422933

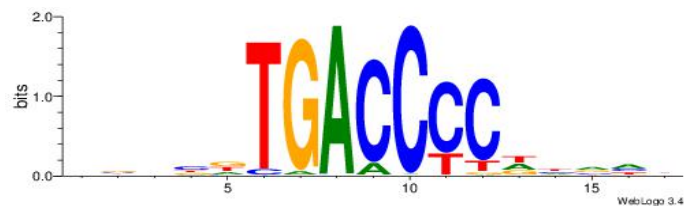
Alignment:

DBHBDTGACCCCDHVHB

----GTGACCTT-----

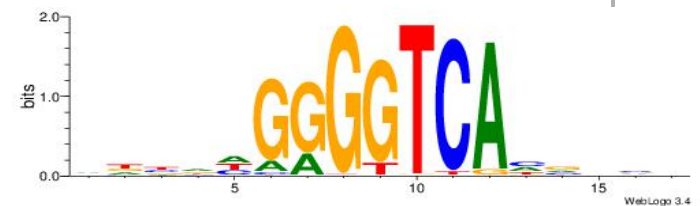
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHD



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

Alignment:

VKBBAGGGGTCAHDBBH

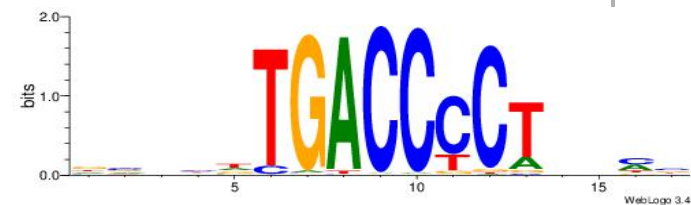
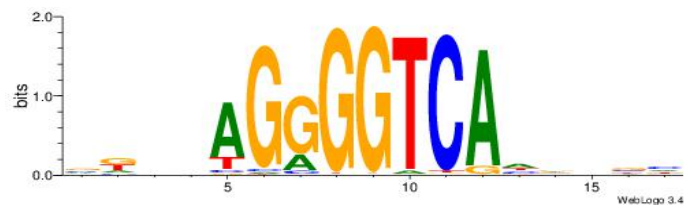
-----AAGGTCAC-----

Original motif

Consensus sequence: VKBBAGGGGTCAHDBBH

Reverse complement motif

Consensus sequence: DBBHHTGACCCCTBBYV

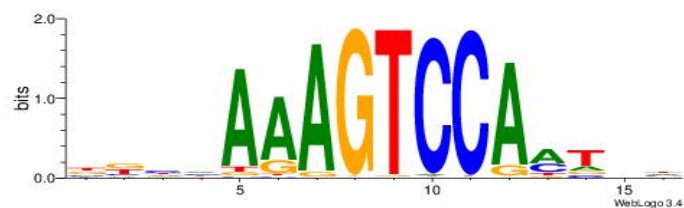


Motif ID: [UP00066](#)
 Motif name: Hnf4a_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0481418

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

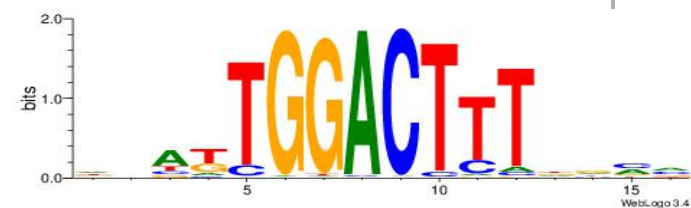
Original motif

Consensus sequence: BBHHAAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTTHDBV



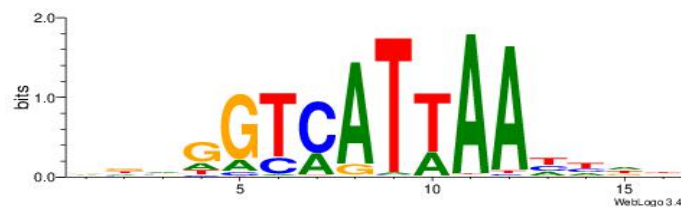
Motif ID: [UP00197](#)
 Motif name: Hoxc9
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.0497679

Alignment:

VDHHTTAATGACCBHV
 -----GTGACCTT-

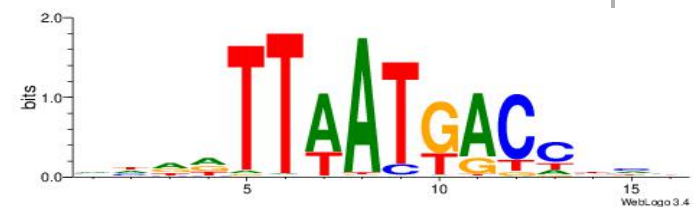
Original motif

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

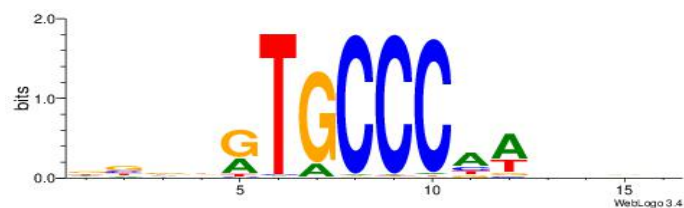
Number of overlap: 8
Similarity score: 0.0500062

Alignment:

DBDDRTGCCCCAWDHDV
----GTGACCTT----

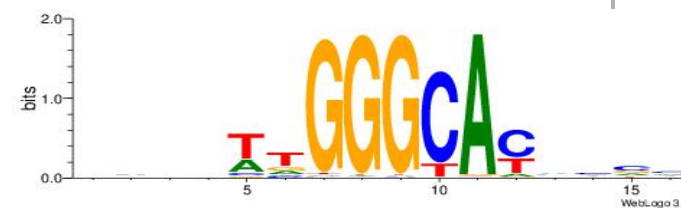
Original motif

Consensus sequence: DBDDRTGCCCCAWDHDV



Reverse complement motif

Consensus sequence: VHHDWTGGGCAMDHBH



Dataset #: 3 **Motif ID: 62** **Motif name: RORA_1**

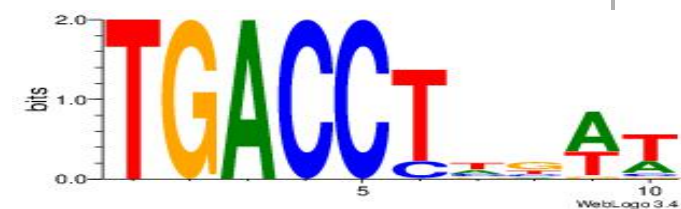
Original motif

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

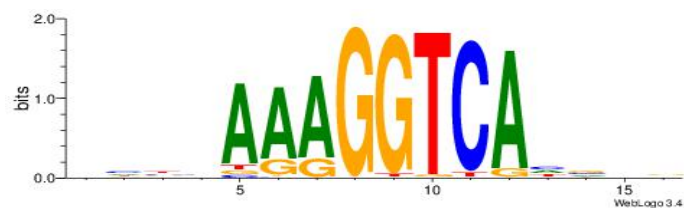
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	10
Similarity score:	0.0154749

Alignment:

```
DHBHAAAGGTCAHVHB
--AWVDAGGTCA----
```

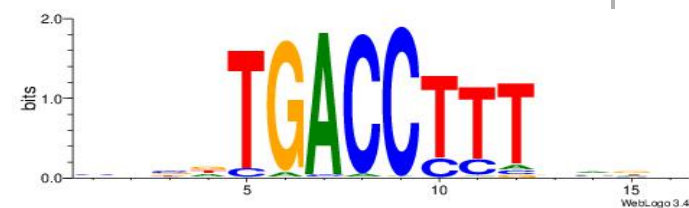
Original motif

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

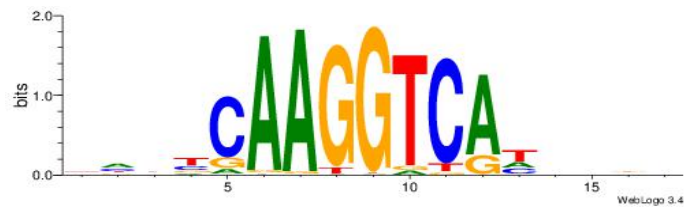
Alignment:

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:	Backward
Position number:	5
Number of overlap:	10
Similarity score:	0.0189599

Alignment:

DHBHAAAGGTCACVHD

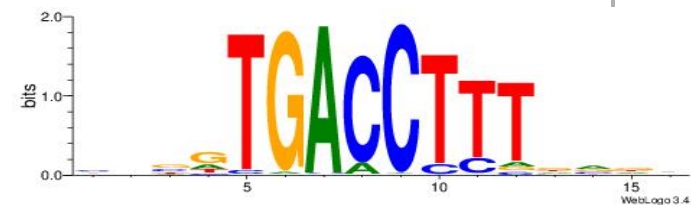
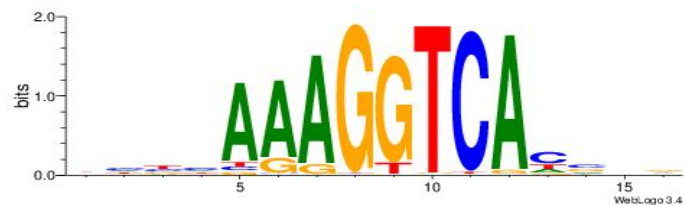
--AWVDAGGTCA----

Original motif

Consensus sequence: DHBHAAAGGTCACVHD

Reverse complement motif

Consensus sequence: HHVGTGACCTTTDVDD

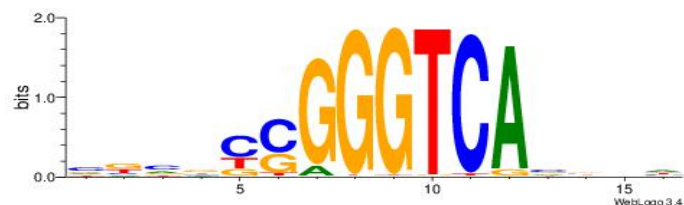


Motif ID: [UP00009](#)
 Motif name: Nr2f2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0331999

Alignment:
 VBVBCTGGGTCAVBBH
 --AWVDAGGTCA----

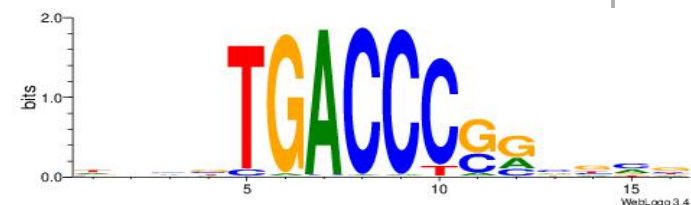
Original motif

Consensus sequence: VBVBCTGGGTCAVBBH



Reverse complement motif

Consensus sequence: HVBVTGACCCSGBVBV



Motif ID: [UP00066](#)

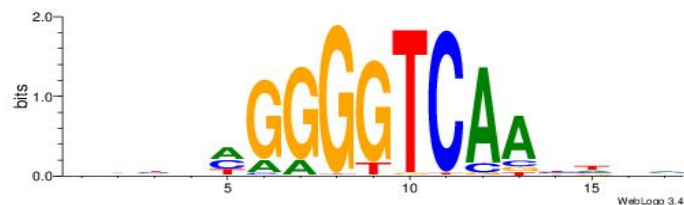
Motif name: Hnf4a_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0341771

Alignment:

BDBVMGGGGTCAABHDV
 --AWVDAGGTCA-----

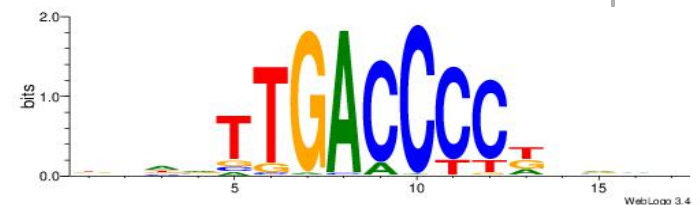
Original motif

Consensus sequence: BDBVMGGGGTCAABHDV



Reverse complement motif

Consensus sequence: BHHVTTGACCCCYVVDB



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

Similarity score: 0.0363566

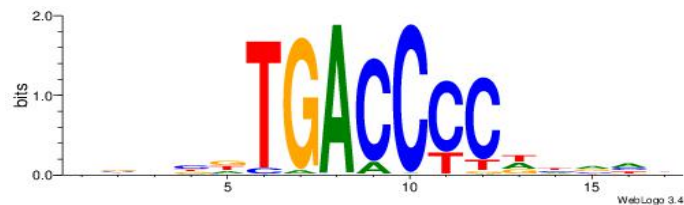
Alignment:

DBHBDTGACCCCDHVHB

-----TGACCTDVWT--

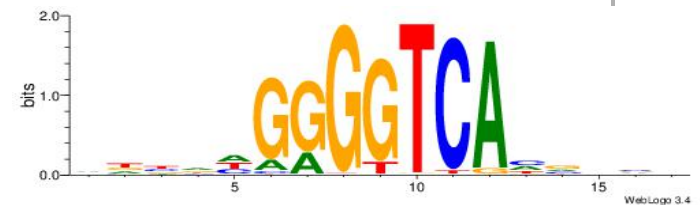
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

Consensus sequence: VHBHDGGGGTCAHBHD



Motif ID: [UP00079](#)
Motif name: Esrra_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 10
Similarity score: 0.0391284

Alignment:

VKBBAGGGGTCAHDBBH

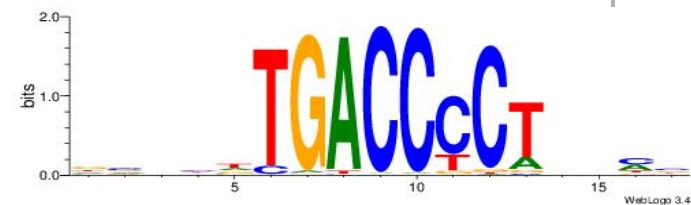
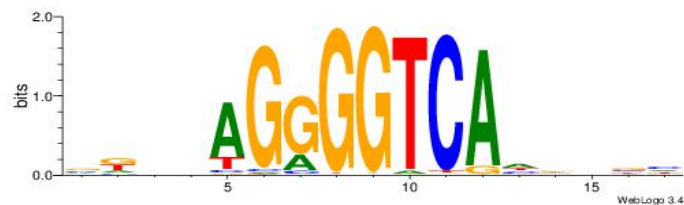
--AWVDAGGTCA-----

Original motif

Consensus sequence: VKBBAGGGGTCAHDBBH

Reverse complement motif

Consensus sequence: DBBHHTGACCCCTBBYV



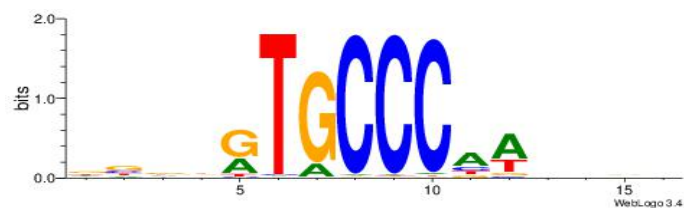
Motif ID: [UP00035](#)
 Motif name: Hic1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0444205

Alignment:

DBDDRTGCCCAWDHDV
 -----TGACCTDVWT-

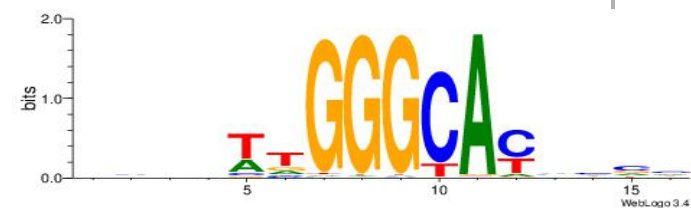
Original motif

Consensus sequence: DBDDRTGCCCAWDHDV



Reverse complement motif

Consensus sequence: VHHDWTGGGCAMDHBH



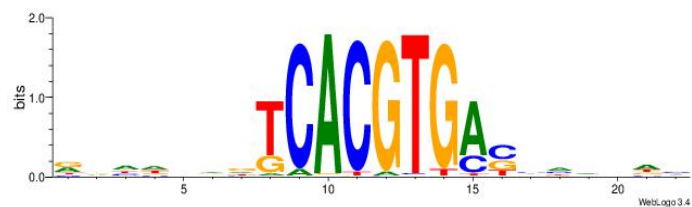
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0461434

Alignment:

DDHBHBSTCACGTGAHBBDHMH
 AWVDAGGTCA-----

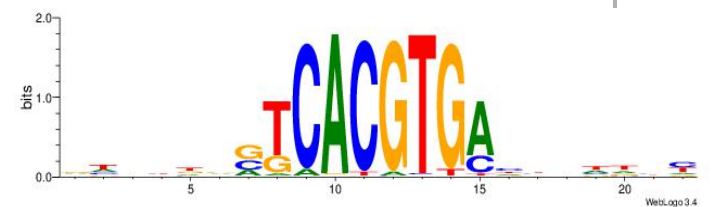
Original motif

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

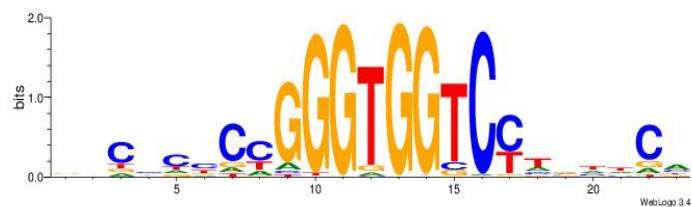
Number of overlap: 10
Similarity score: 0.0489571

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
-----TGACCTDVWT--

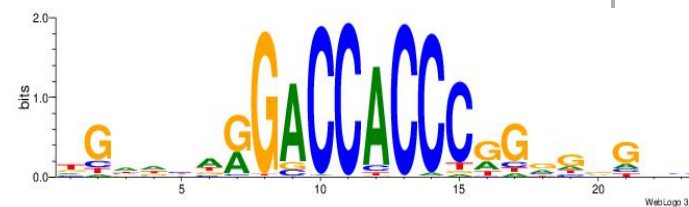
Original motif

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: GCGGACGTTV



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:
VAAAGMGGAAAGTWD
BAACGTCCGC-----

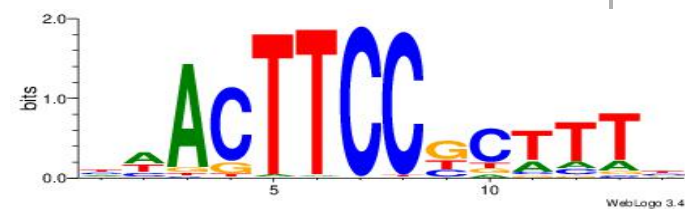
Original motif

Consensus sequence: VAAAGMGGAAAGTWD



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:

DWACTTCCRSDTWV
BAACGTCCGC-----

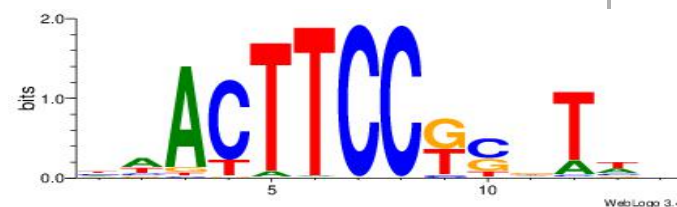
Original motif

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:

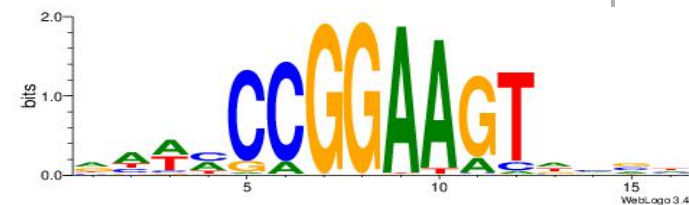
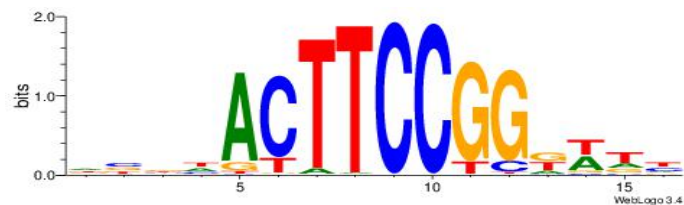
DBBHACTTCCGGKWTH
--BAACGTCCGC-----

Original motif

Consensus sequence: DBBHACTTCCGGKWTH

Reverse complement motif

Consensus sequence: HAWYCCGGAAGTHBBD

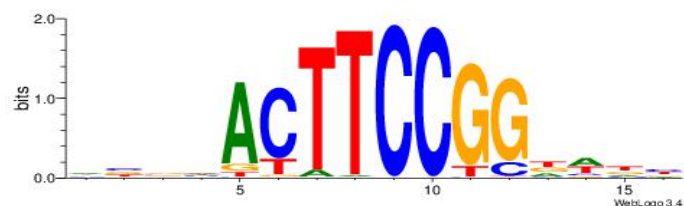


Motif ID: [UP00404](#)
 Motif name: Elf2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0128348

Alignment:
 DBBHACTTCCGGDWDB
 --BAACGTCCGC----

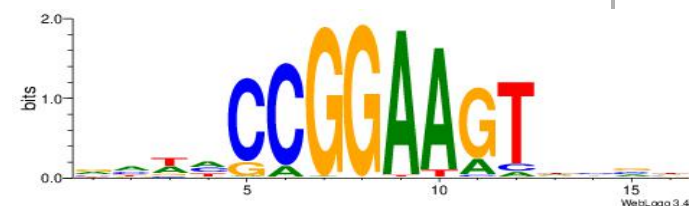
Original motif

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: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0141516

Alignment:
 HDACTTCCBCWTDV
 BAACGTCCGC-----

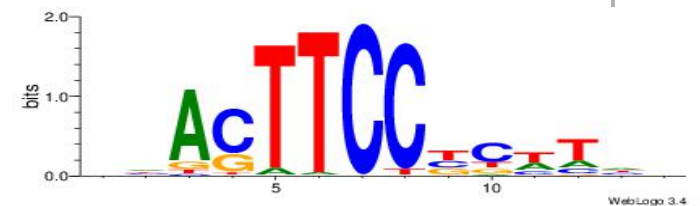
Original motif

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: Forward
 Position number: 5
 Number of overlap: 10

Similarity score: 0.0144665

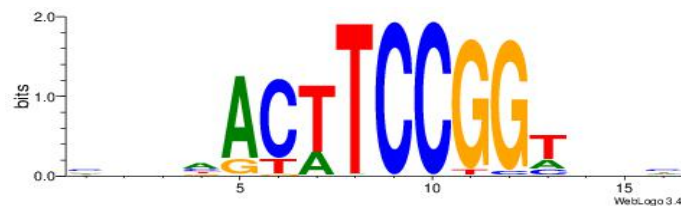
Alignment:

DVHACCGGAAGTHDDV

----GCGGACGTTV--

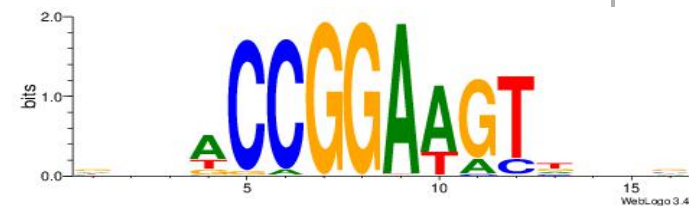
Original motif

Consensus sequence: VDHHA¹CTTCCGGTHVH



Reverse complement motif

Consensus sequence: DVHACCGGAAGTHDDV



Motif ID: [UP00412](#)

Motif name: Etv5

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Reverse Complement

Direction: Backward

Position number: 3

Number of overlap: 10

Similarity score: 0.0155825

Alignment:

DHHACCGGAWGTTDDV

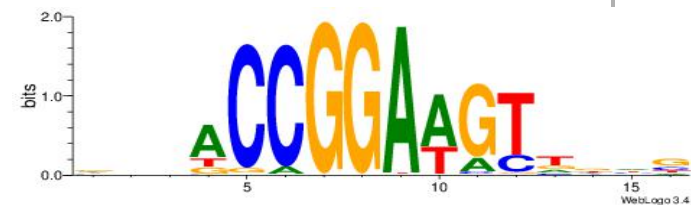
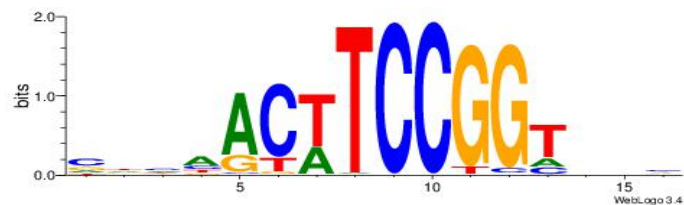
----GCGGACGTTV--

Original motif

Consensus sequence: VDHAACWTCCGGTHHH

Reverse complement motif

Consensus sequence: DHHACCGGAWGTTDDV



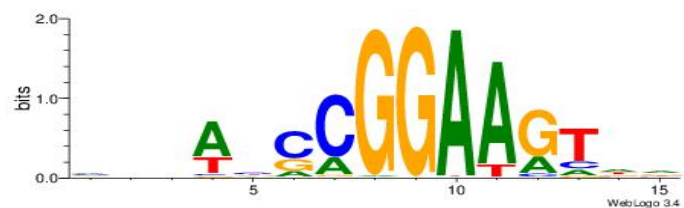
Motif ID: [UP00015](#)
 Motif name: Ehf_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0162018

Alignment:

VBDABCCGGAAGTDD
 -----GCGGACGTTV

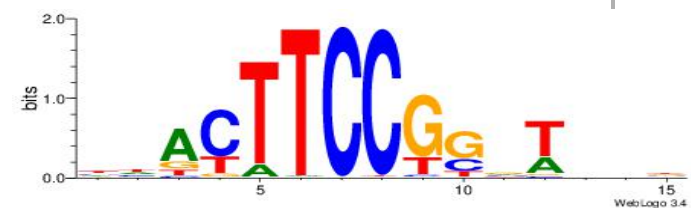
Original motif

Consensus sequence: VBDABCCGGAAGTDD



Reverse complement motif

Consensus sequence: DDACTTCCGGBTHBB



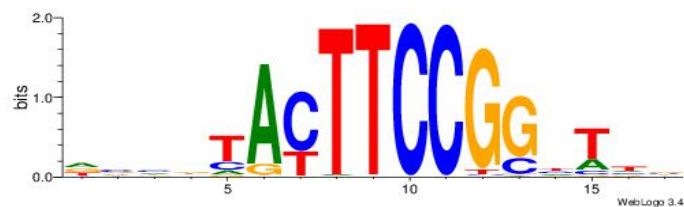
Motif ID: [UP00418](#)
Motif name: Etv6
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 10
Similarity score: 0.0171234

Alignment:

DVHBTACTTCCGGHTHB
---BAACGTCCGC----

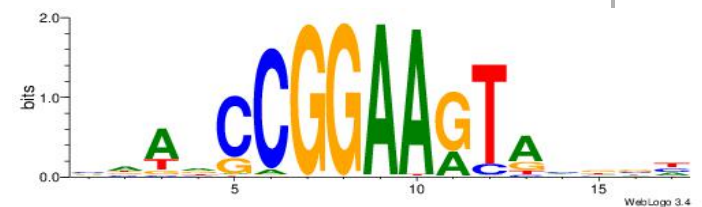
Original motif

Consensus sequence: DVHBTACTTCCGGHTHB



Reverse complement motif

Consensus sequence: BHAHCCGGAAGTABDVD



Motif ID: [UP00421](#)
Motif name: Etv1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6

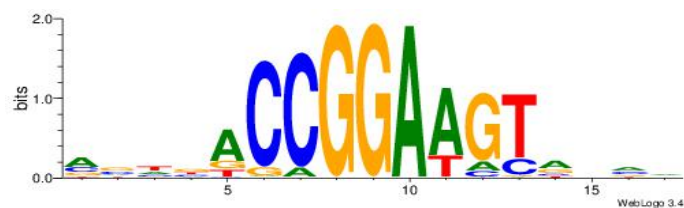
Number of overlap: 10
Similarity score: 0.0184147

Alignment:

MVHBACCGGAAGTVDVH
-----GCGGACGTTV--

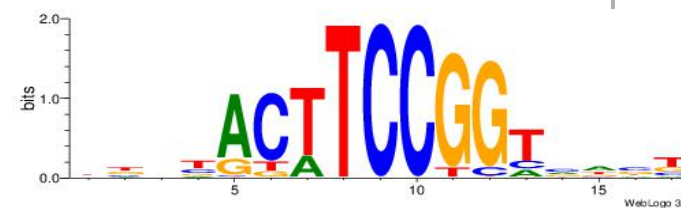
Original motif

Consensus sequence: MVHBACCGGAAGTVDVH



Reverse complement motif

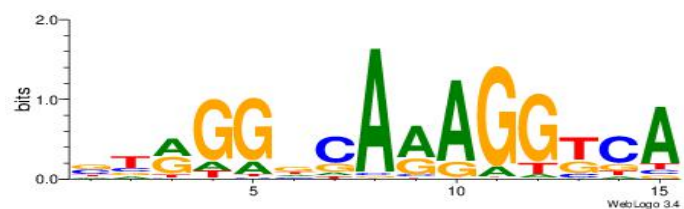
Consensus sequence: HBDBACTTCCGGTBHVY



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

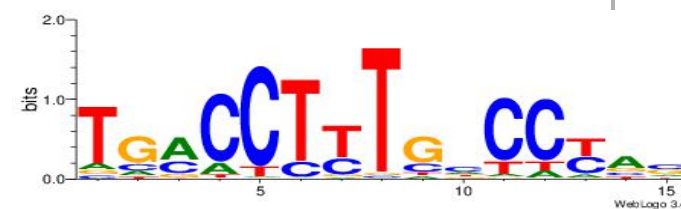
Original motif

Consensus sequence: BTRGGDCARAGGKCA



Reverse complement motif

Consensus sequence: TGRCTKTGHCCKAB



Best Matches for Motif ID 64 (Highest to Lowest)

Motif ID: [UP00067](#)
Motif name: Lef1_primary
Species: Mus musculus

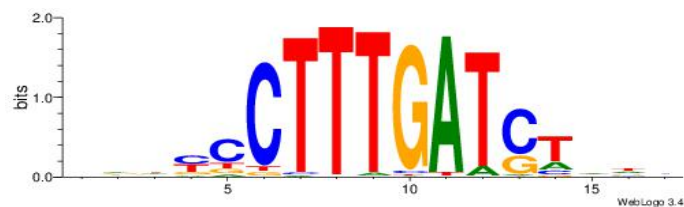
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	15
Similarity score:	0.0304954

Alignment:

VDDAGATCAAAGGKDDD
 -BTRGGDCARAGGKCA-

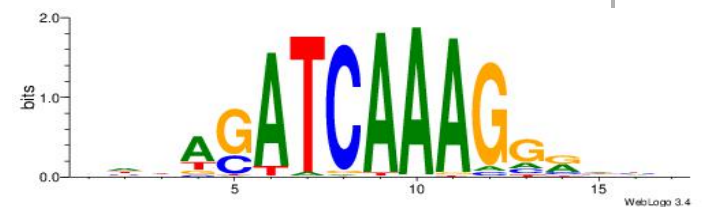
Original motif

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

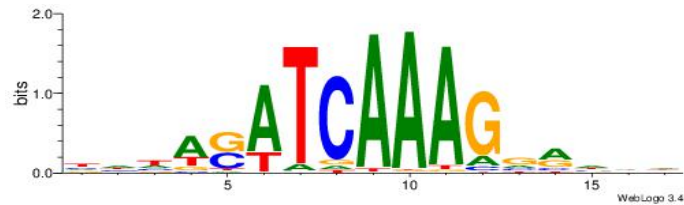
Alignment:

HHHASATCAAAGVRHHH

-BTRGGDCARAGGKCA-

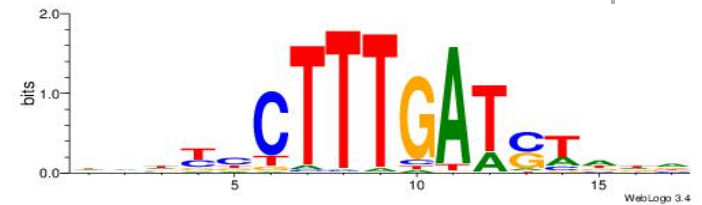
Original motif

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

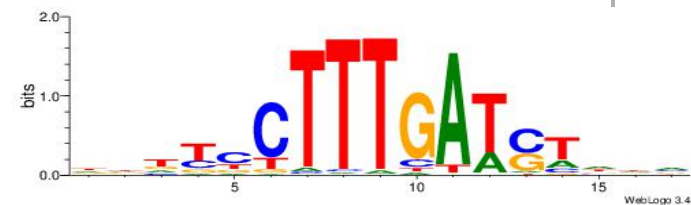
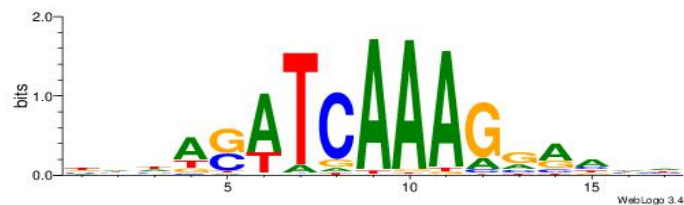
-BTRGGDCARAGGKCA-

Original motif

Consensus sequence: BHHASATCAAAGGAHHH

Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV

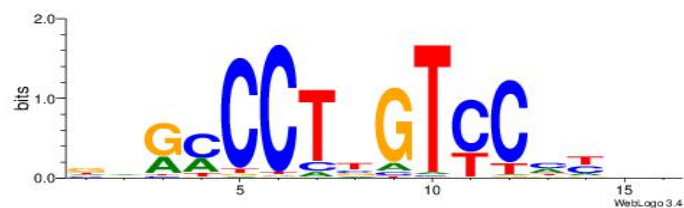


Motif ID: [UP00082](#)
 Motif name: Zfp187_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0334185

Alignment:
 VHMDGGACVAGGRCDH
 BTRGGDCARAGGKCA-

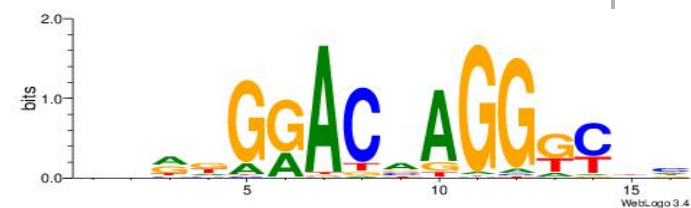
Original motif

Consensus sequence: DDGMCCTBGTCCCHYHV



Reverse complement motif

Consensus sequence: VHMDGGACVAGGRCDH



Motif ID: [UP00062](#)

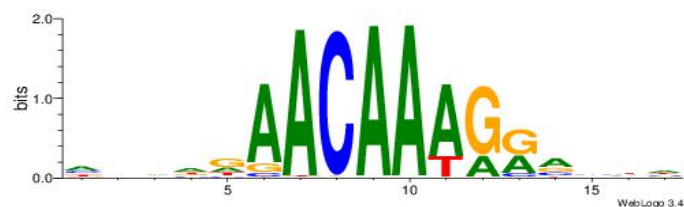
Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0352539

Alignment:

HBDDDAACAAAGRVBHH
 -BTRGGDCARAGGKCA-

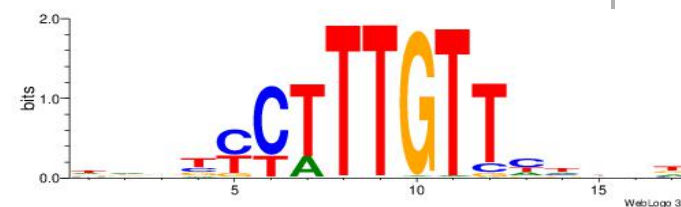
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH



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

Similarity score: 0.0358782

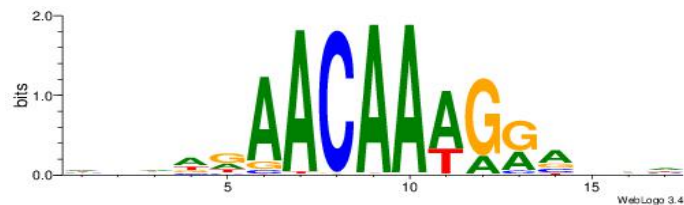
Alignment:

HBDDRAACAAAGRABHH

-BTRGGDCARAGGKCA-

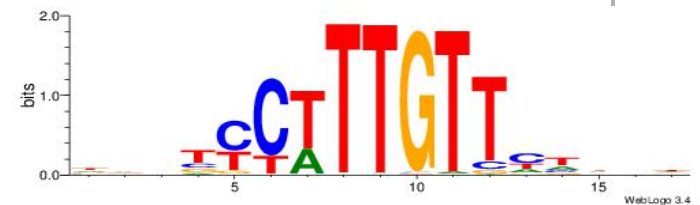
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



Motif ID: [UP00101](#)

Motif name: Sox12_secondary

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Reverse Complement

Direction: Backward

Position number: 2

Number of overlap: 15

Similarity score: 0.0374729

Alignment:

HDTMCTTTGTSTVDBB

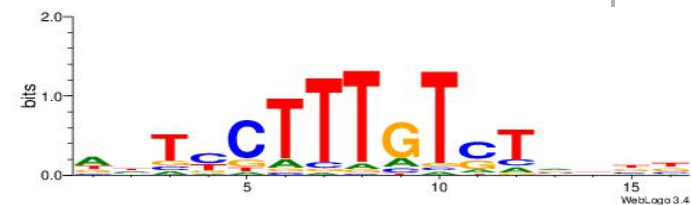
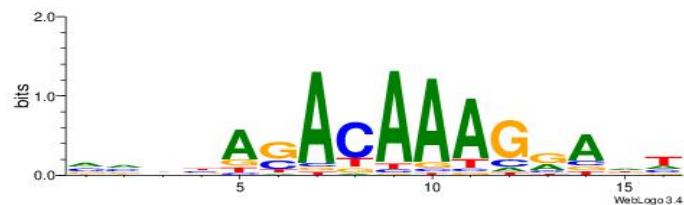
TGRCCCTKGHCCKAB-

Original motif

Consensus sequence: VVDBASACAAAGRADH

Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



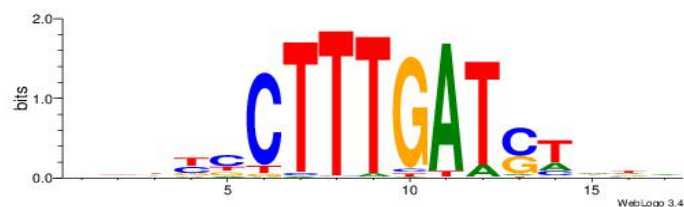
Motif ID: [UP00083](#)
 Motif name: Tcf7l2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0379757

Alignment:

BDDASATCAAAGGMDDD
 -BTRGGDCARAGGKCA-

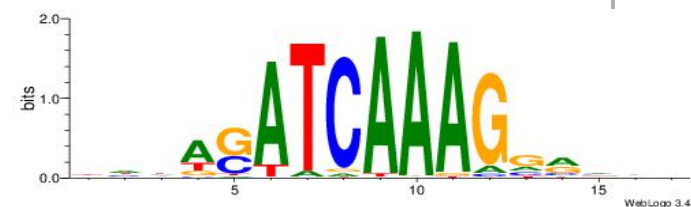
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDDD



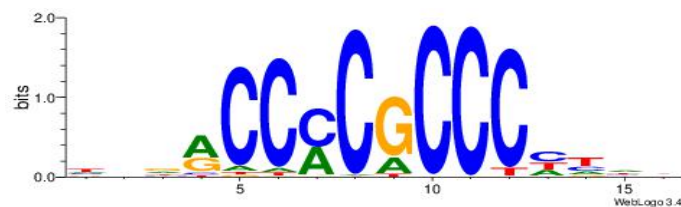
Motif ID: [UP00093](#)
 Motif name: Klf7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0382733

Alignment:

DHHDGGGCGRGGKHBH
 BTRGGDCARAGGKCA-

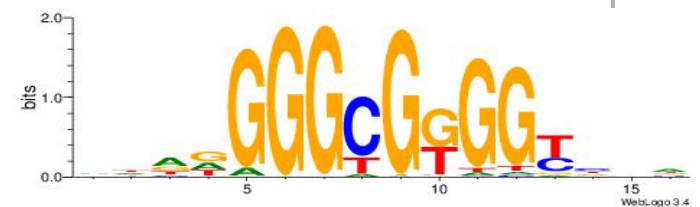
Original motif

Consensus sequence: HBDRCMCGCCCHHHD



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

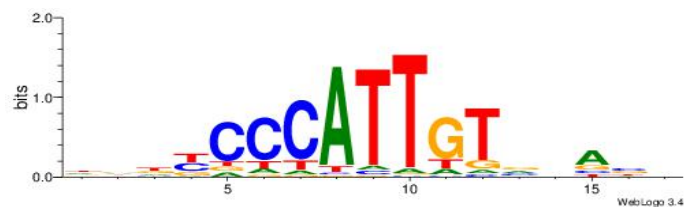
Alignment:

DDDYCCCATTGTVHABH

BTRGGDCARAGGKCA--

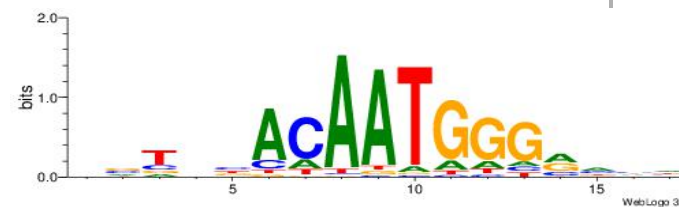
Original motif

Consensus sequence: DDDYCCCATTGTVHABH



Reverse complement motif

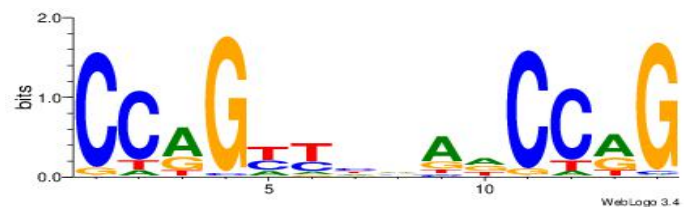
Consensus sequence: HBTHVACAATGGGMDHD



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

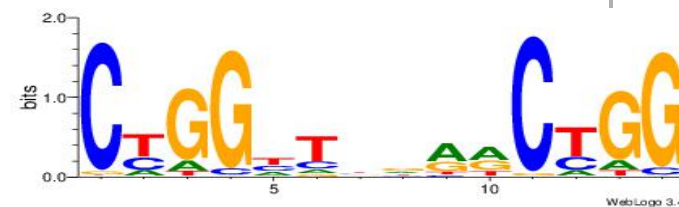
Original motif

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

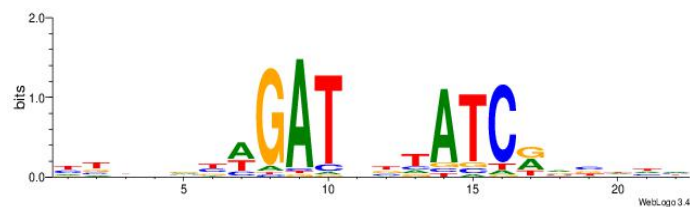
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	14
Similarity score:	0.0527249

Alignment:

```
HBHDVBWGATHBTATCRVBHHH
----CCAGYYHVADCCRG----
```

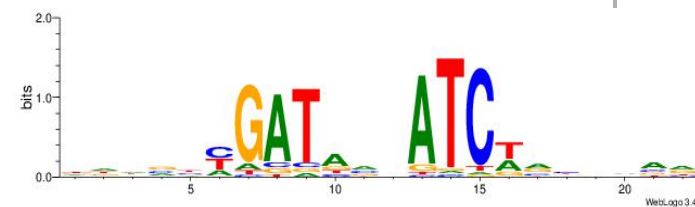
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVVH



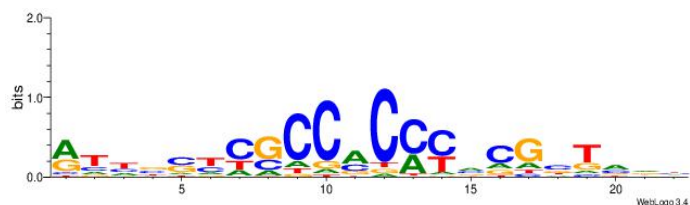
Motif ID:	UP00539
Motif name:	Gli2_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	14
Similarity score:	0.0551691

Alignment:

```
RTHBSYCGCCMCMYVCGBTVDH
-----CCAGYYHVADCCRG
```

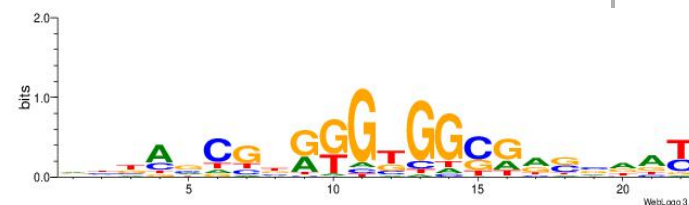
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



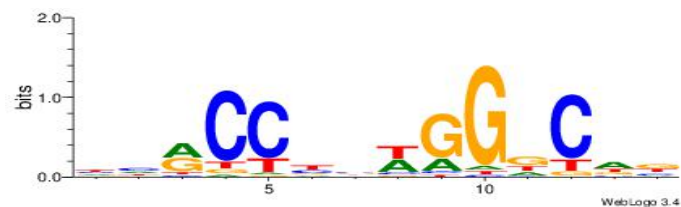
Motif ID: [UP00005](#)
Motif name: Tcfap2a_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0560983

Alignment:

HHRCCBBWGGDCDB
CCAGYYHVADCCRG

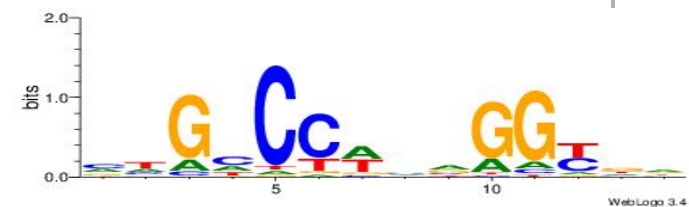
Original motif

Consensus sequence: HHRCCBBWGGDCDB



Reverse complement motif

Consensus sequence: BDGHCCWBVGKGDH



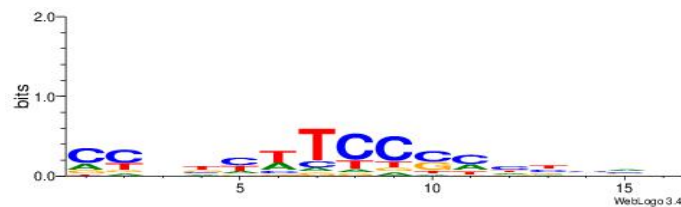
Motif ID: [UP00013](#)
Motif name: Gabpa_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 14
Similarity score: 0.0566467

Alignment:

CYDBYWTCCSMHBVVH
CCAGYYHVADCCRG--

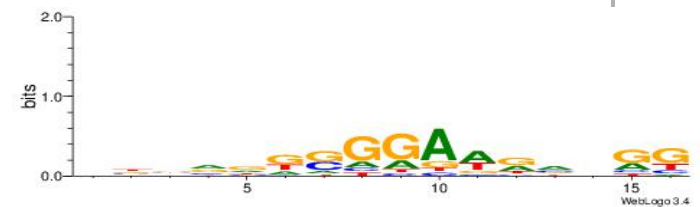
Original motif

Consensus sequence: CYDBYWTCCSMHBVVH



Reverse complement motif

Consensus sequence: DBVDRSGGAWKVHKG



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

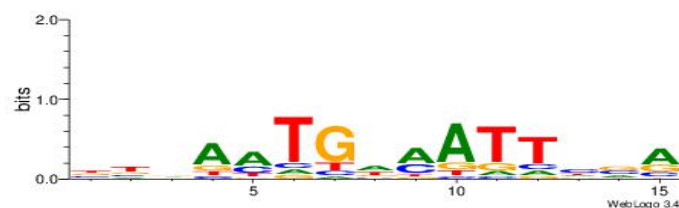
Number of overlap: 14
Similarity score: 0.0577636

Alignment:

BBVAATGDMATTHVA
-CCAGYYHVADCCRG

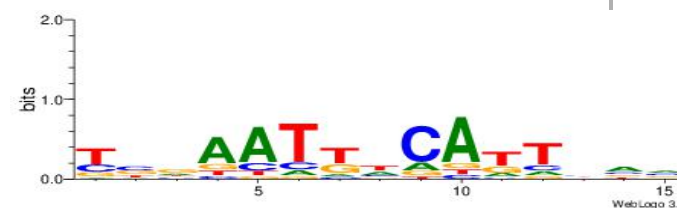
Original motif

Consensus sequence: BBVAATGDMATTHVA



Reverse complement motif

Consensus sequence: TVDAATYDCATTVVV



Motif ID: [UP00096](#)
Motif name: Sox13_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 14
Similarity score: 0.0587893

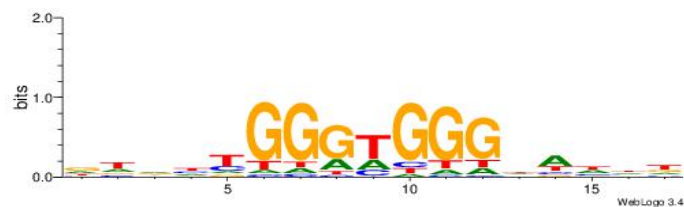
Alignment:

DDDHTGGGTGGGHAHHD
---CKGGDTBDMMCTGG

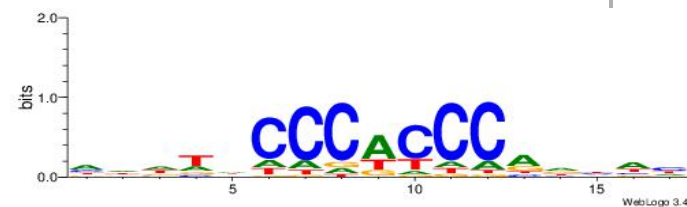
Original motif

Reverse complement motif

Consensus sequence: DDDHTGGGTGGGHAHHD



Consensus sequence: DHHTHCCCACCCAHHDDH



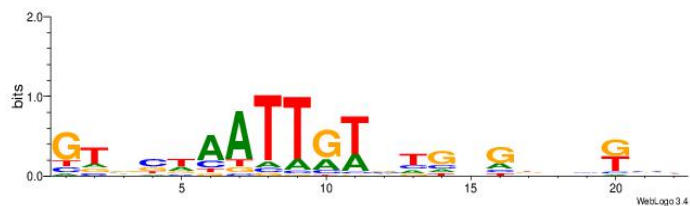
Motif ID: [UP00034](#)
Motif name: Sox7_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 14
Similarity score: 0.0590238

Alignment:

```
VVYDDDCHCAVACAATTDBVAC  
--CCAGYYHVADCCRG-----
```

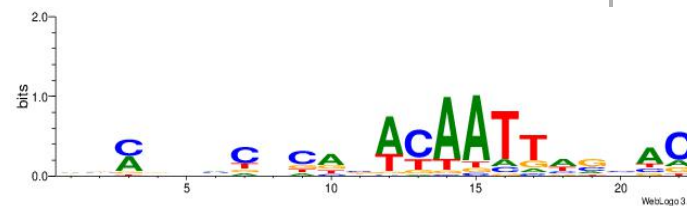
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



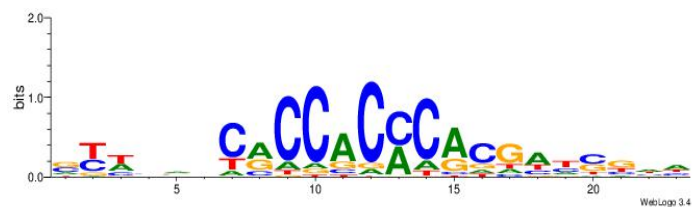
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 9
 Number of overlap: 14
 Similarity score: 0.0596904

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 -----CCAGYYHVADCCRG--

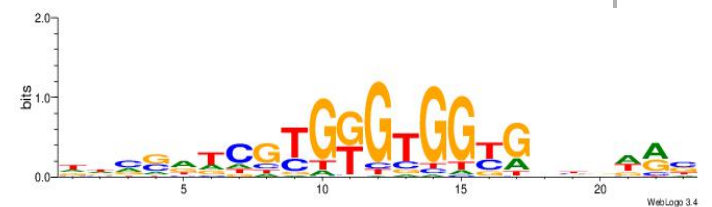
Original motif

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

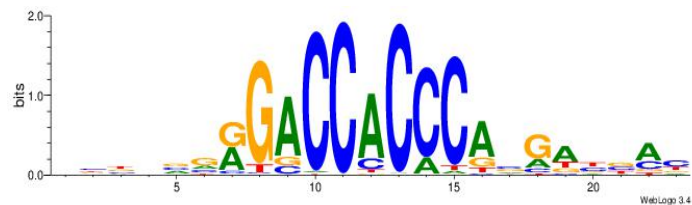
Number of overlap: 14
Similarity score: 0.0597695

Alignment:

BBBDVVRGACCACCCAVGABBAB
-----CCAGYYHVADCCRG

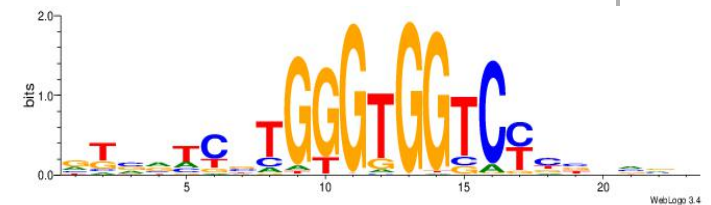
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCVTGGGTGGTCMVVDVBB



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

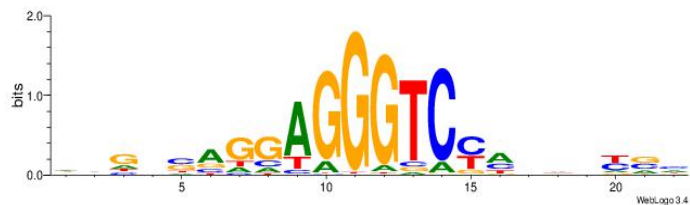
Alignment:

HVGVSAGGAGGGTCYHHHHYVH
-----CKGGDTBDMMCTGG-

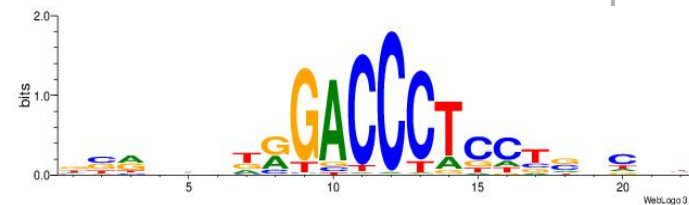
Original motif

Reverse complement motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



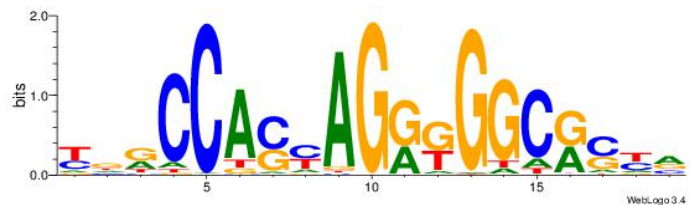
Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



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

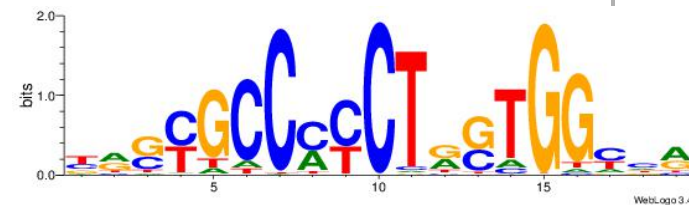
Original motif

Consensus sequence: YDRCCASYAGRKGGRSYV



Reverse complement motif

Consensus sequence: BMSMGCCYMCTKSTGGMHM



Best Matches for Motif ID 66 (Highest to Lowest)

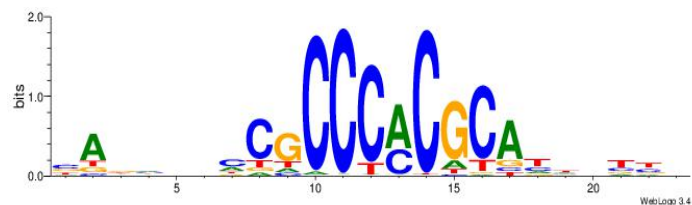
Motif ID:	UP00400
Motif name:	Zif268
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	19
Similarity score:	0.0409369

Alignment:

VVVDHHTGCGYGGGCGDHVHHTB
 ----BMSMGCCYMCTKSTGGMHM

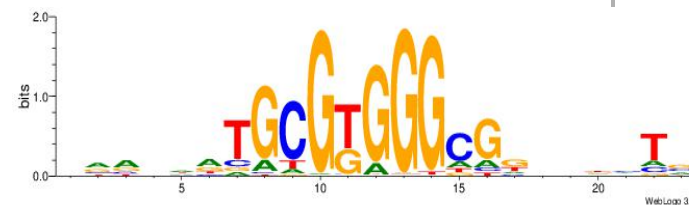
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHVHHTB



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:

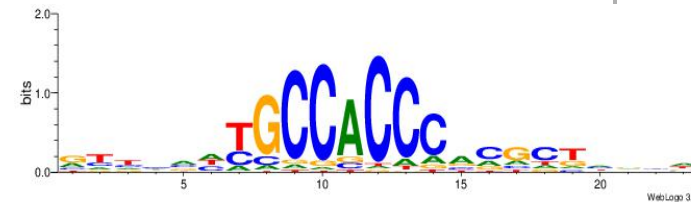
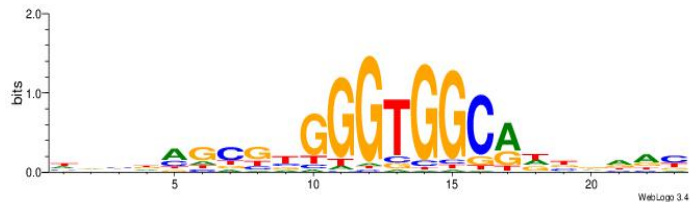
HVBDAGCGBGGGTGGCRDBDDDB
 -YDRCCASYAGRKGGRSYV---

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



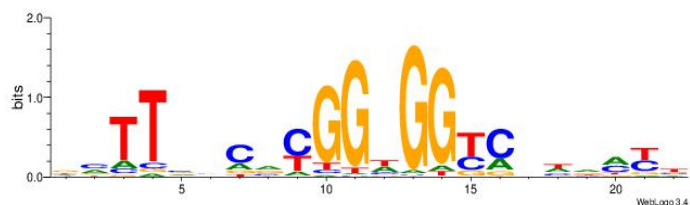
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 19
 Similarity score: 0.0431951

Alignment:

VMYDHDGMCCHCCKBGVVAHVH
 ---BMSMGCCYMCTKSTGGMHM

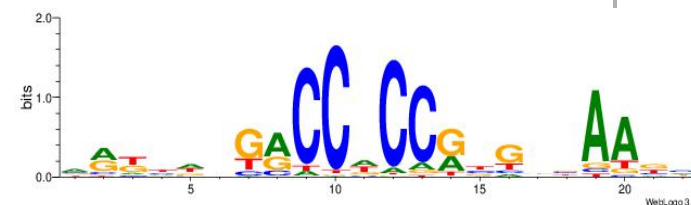
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAHVH



Motif ID: [UP00539](#)

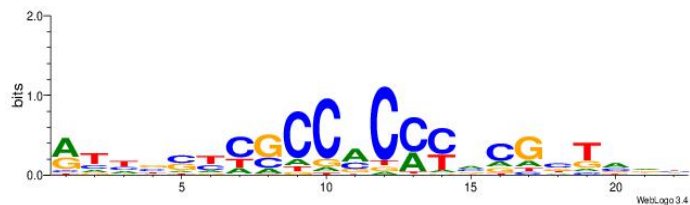
Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 19
 Similarity score: 0.0469794

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 ---BMSMGCCYMCTKSTGGMHM

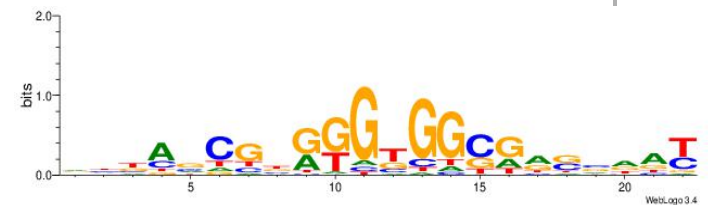
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

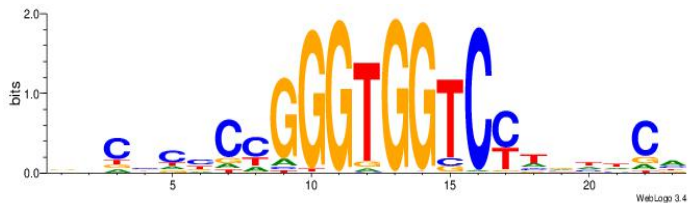


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 19

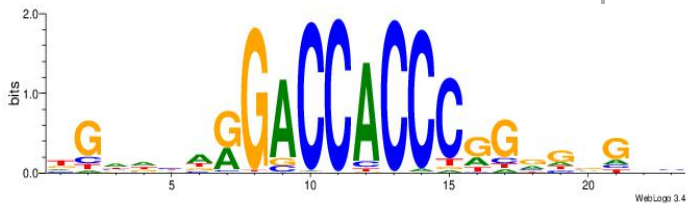
Similarity score: 0.0482204

Alignment:
BHCBCBCCGGGTGGTCYHVHDCH
YDRCCASYAGRKGGRSYV----

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB

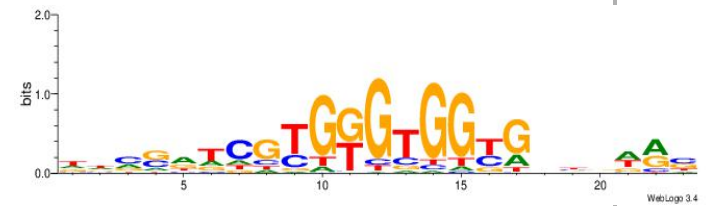


Motif ID: [UP00540](#)
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 19
Similarity score: 0.0491604

Alignment:
HHBSHTCGTGRGTGGKGDBVWMV
-YDRCCASYAGRKGGRSYV---

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



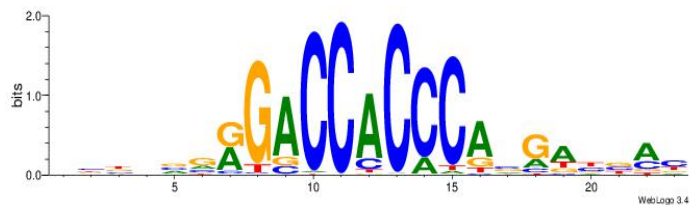
Motif ID:	UP00538
Motif name:	Gli1_v015681_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	19
Similarity score:	0.0511535

Alignment:

BBBDVVRGACCACCCAVGABBAB
---BMSMGCCYMCTKSTGGMHM-

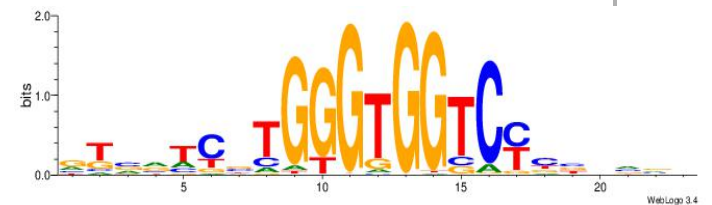
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVCVTGGGTGGTCMVVDVBB



Motif ID: [UP00539](#)

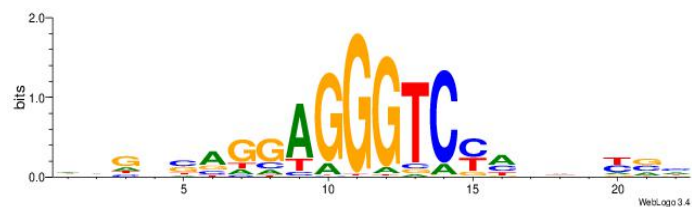
Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 19
 Similarity score: 0.0520741

Alignment:

HVGVSAGGAGGGTCYHHHHYVH
 YDRCCASYAGRKGGCRSYV---

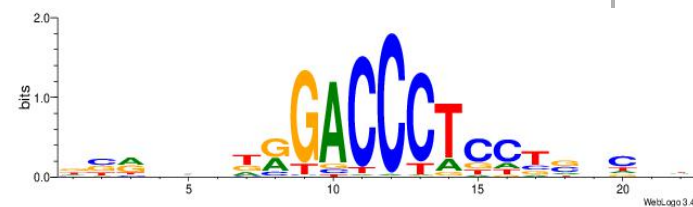
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



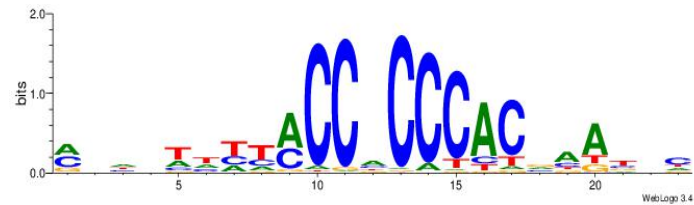
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 19
 Similarity score: 0.0532334

Alignment:

DVVTTVGTGGGHGGYAMHWHHHY
YDRCCASYAGRKGGRSYV----

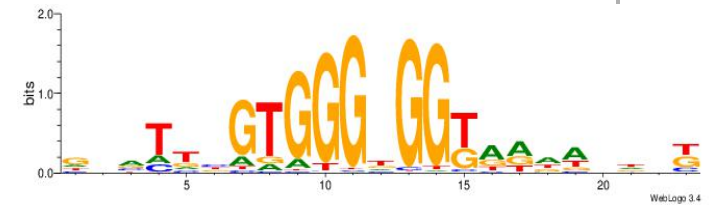
Original motif

Consensus sequence: MHHHWHYTMCHCCCACVAABVH



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:

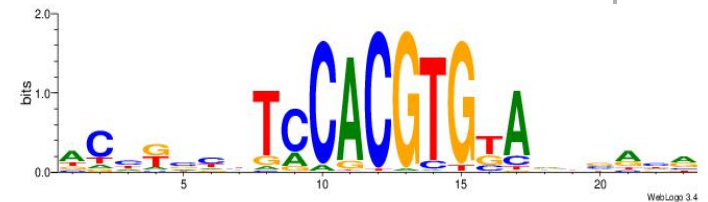
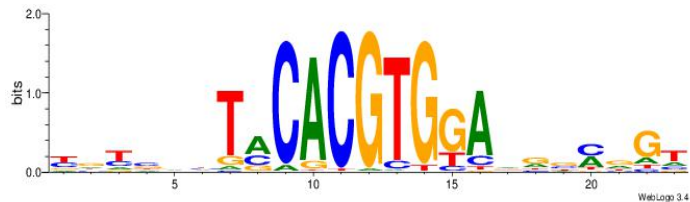
ACHRBHDTCCACGTGYAHBMBHM
--BMSGCCYMCTKSTGGMHM--

Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT

Reverse complement motif

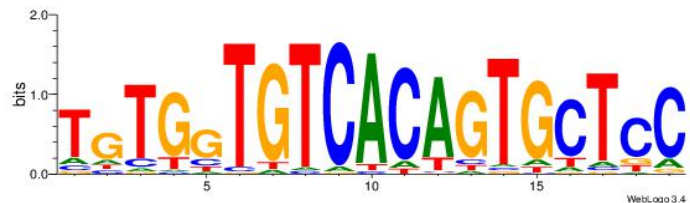
Consensus sequence: ACHRBHDTCCACGTGYAHBMBHM



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

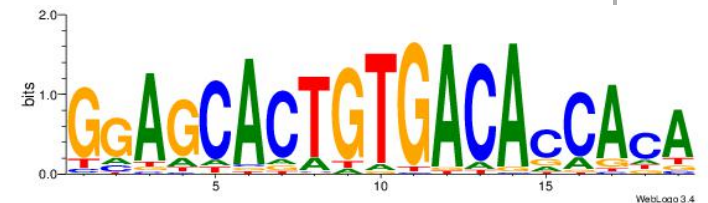
Original motif

Consensus sequence: TGTGGTGTGACAGTGCTCC



Reverse complement motif

Consensus sequence: GGAGCACTGTGACACCACA



Best Matches for Motif ID 67 (Highest to Lowest)

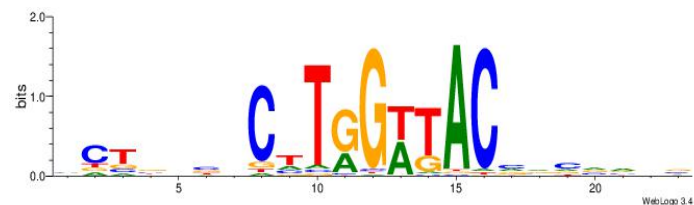
Motif ID:	UP00098
Motif name:	Rfx3_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	19
Similarity score:	0.043204

Alignment:

BDBBVBVGTAWCCAAGVBHBAGB
 ---TGTGGTGTACAGTGCTCC--

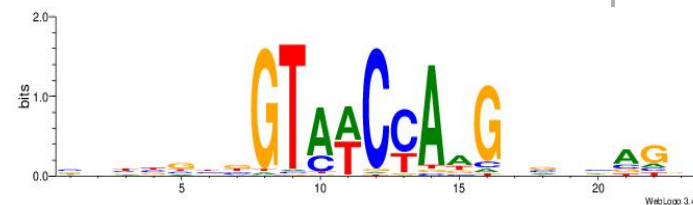
Original motif

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:

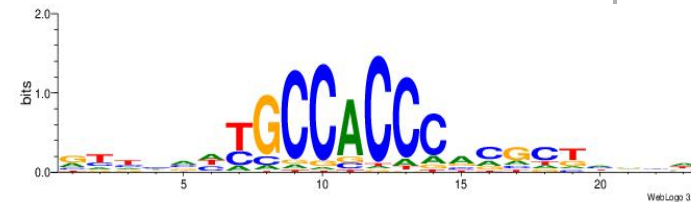
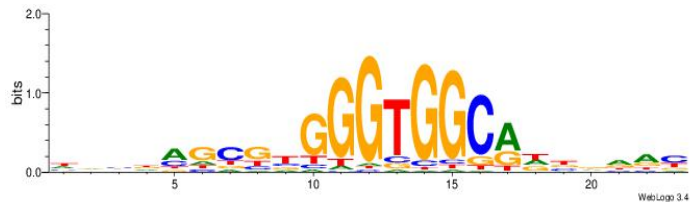
HVBDAGCGBGGGTGGCRDBDDDB--
 -----TGTGGTGTACAGTGCTCC

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

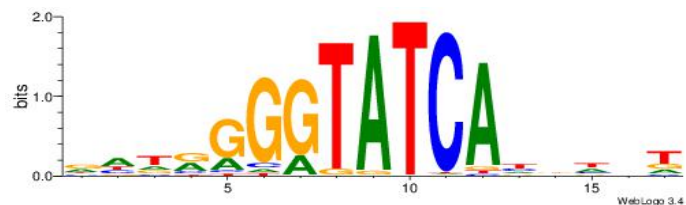
Consensus sequence: BDDHVDPGCCACCCVCGCTDBVH



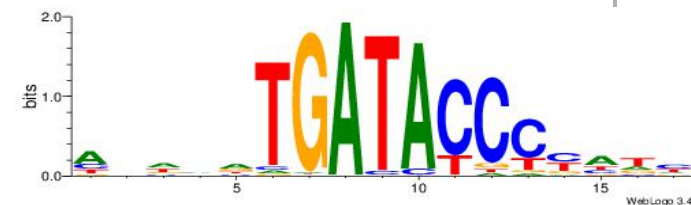
Motif ID: [UP00192](#)
 Motif name: Six1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 1.04528

Alignment:
 --AVHDHTGATACCCMDHH
 GGAGCACTGTGACACCACA

Original motif
 Consensus sequence: DHDRGGGTATCAHDHBT



Reverse complement motif
 Consensus sequence: AVHDHTGATACCCMDHH



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

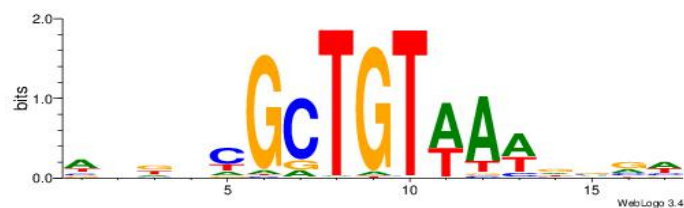
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	17
Similarity score:	1.0459

Alignment:

```
--AVDHCCTGTWAWDVVW
TGTGGTGTACAGTGCTCC
```

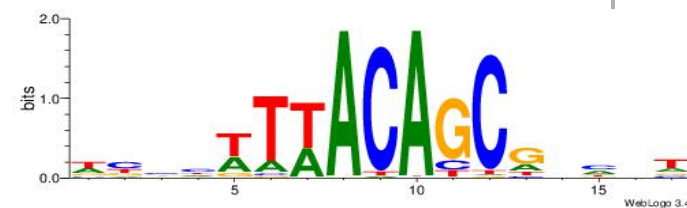
Original motif

Consensus sequence: AVDHCCTGTWAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGHHVT



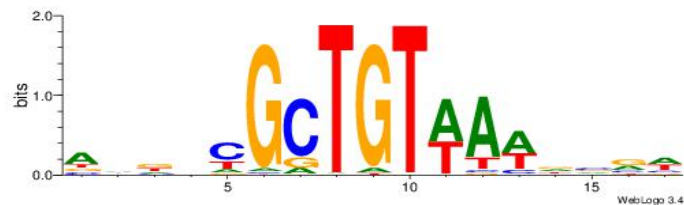
Motif ID:	UP00193
Motif name:	Rhox11_1765.2
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	17
Similarity score:	1.0462

Alignment:

--WVVHWTWACAGCGBHBT
TGTGGTGTACAGTGCTCC

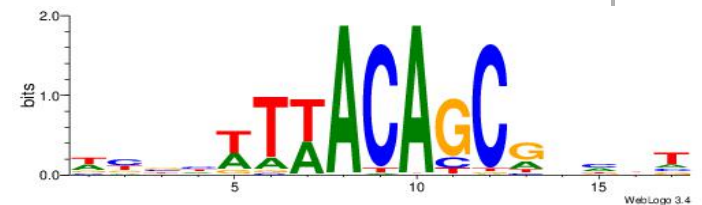
Original motif

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:

Forward

Position number:

1

Number of overlap:

17

Similarity score:

1.04631

Alignment:

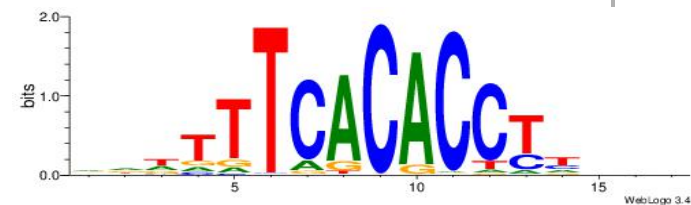
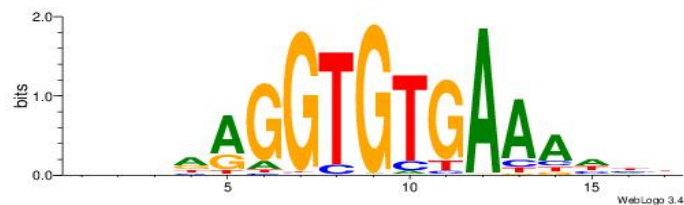
HHHTTTCACACCTDHBV--
GGAGCACTGTGACACCACA

Original motif

Consensus sequence: BVHDAGGTGTGAAHHH

Reverse complement motif

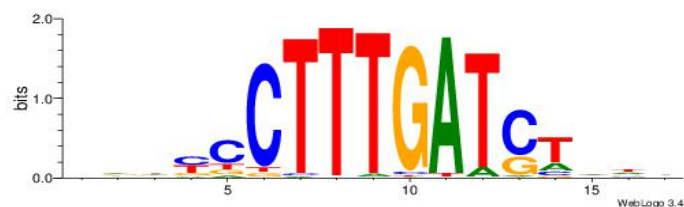
Consensus sequence: HHHTTTCACACCTDHBV



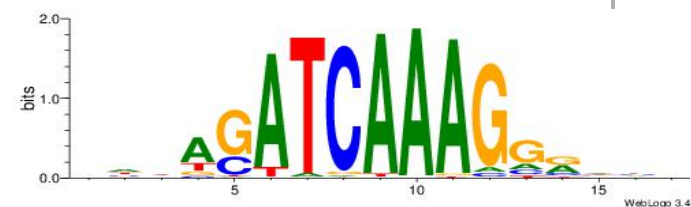
Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 17
 Similarity score: 1.04807

Alignment:
 --VDDAGATCAAAGGKDDD
 GGAGCACTGTGACACCACA-

Original motif
 Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif
 Consensus sequence: VDDAGATCAAAGGKDDD



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

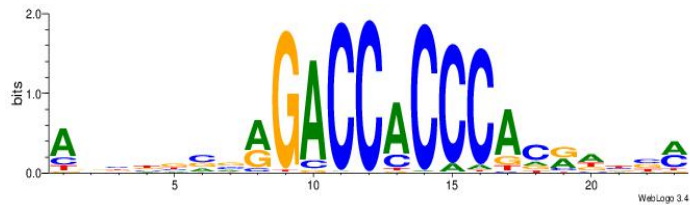
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 17
 Similarity score: 1.04831

Alignment:

YBVDMGTGGGTGGTCKVVBVBBT--
 --GGAGCACTGTGACACCACA----

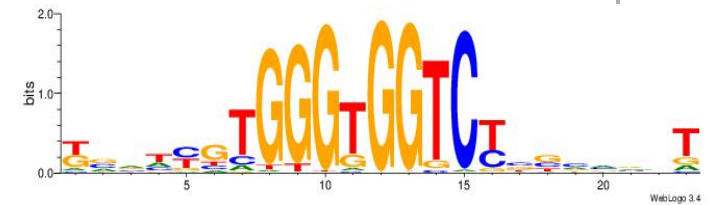
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMGTGGGTGGTCKVVBVBBT



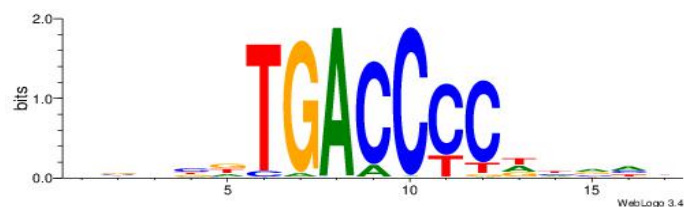
Motif ID: [UP00053](#)
 Motif name: Rxra_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 17
 Similarity score: 1.04867

Alignment:

--DBHBDTGACCCCDHVHB
TGTGGTGTACAGTGCTCC--

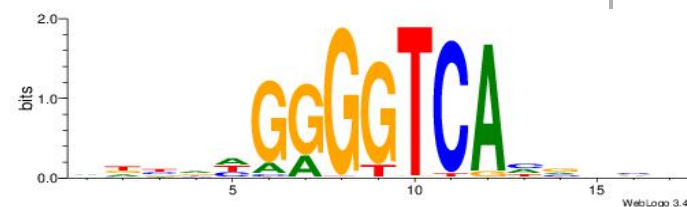
Original motif

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:

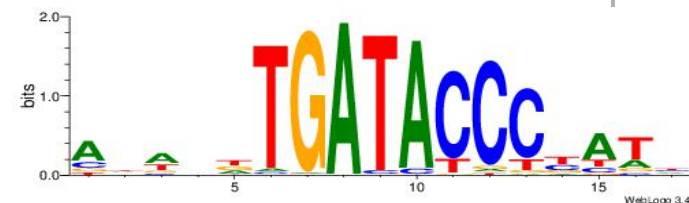
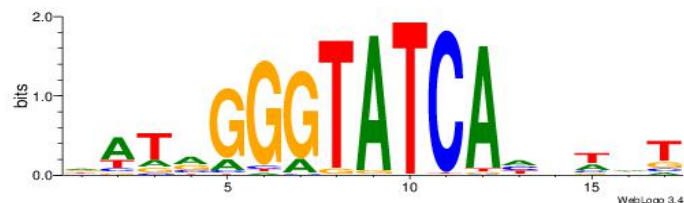
AHWDHTGATACCKATD--
--GGAGCACTGTGACACCACA

Original motif

Consensus sequence: DATRGGGTATCAHDWHT

Reverse complement motif

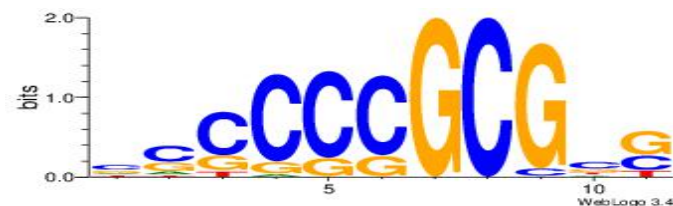
Consensus sequence: AHWDHTGATACCKATD



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

Original motif

Consensus sequence: BSCCCCGCGBS



Reverse complement motif

Consensus sequence: SBCGCGGGGSB



Best Matches for Motif ID 68 (Highest to Lowest)

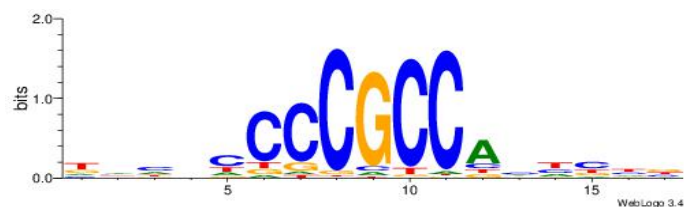
Motif ID:	UP00000
Motif name:	Smad3_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	11
Similarity score:	0.00934222

Alignment:

BHBHDTGGCGGGGBDHD
-----SBCGCGGGGSB--

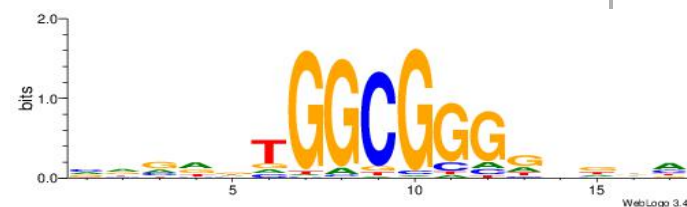
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD



Motif ID: [UP000006](#)
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:

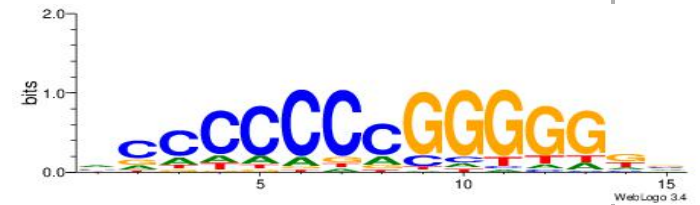
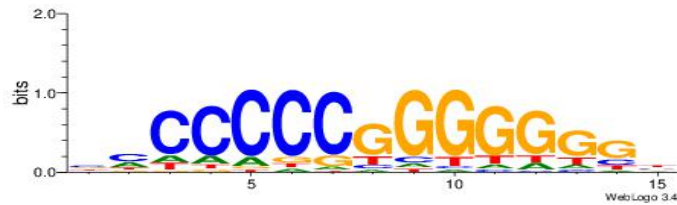
BMCCCCCGGGGGGGB
-BSCCCCGCGBS---

Original motif

Consensus sequence: BMCCCCCGGGGGGGB

Reverse complement motif

Consensus sequence: VCCCCCGGGGGRB



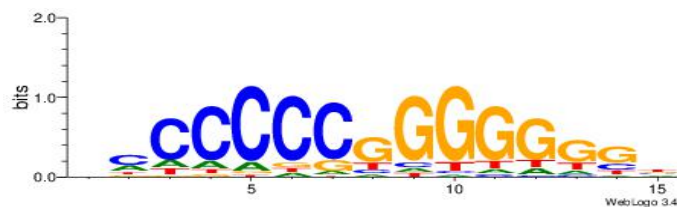
Motif ID: [UP00057](#)
 Motif name: Zic2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0112489

Alignment:

BMCCCCCGGGGGGB
 -BSCCCCGCGBS---

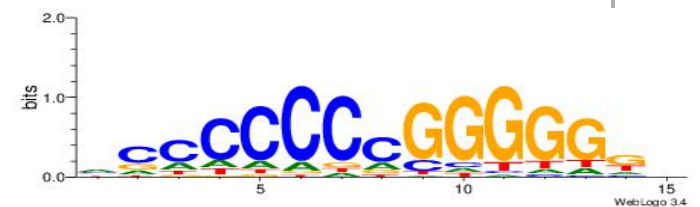
Original motif

Consensus sequence: BMCCCCCGGGGGGB



Reverse complement motif

Consensus sequence: VCCCCCGGGGGRB



Motif ID: [UP00400](#)

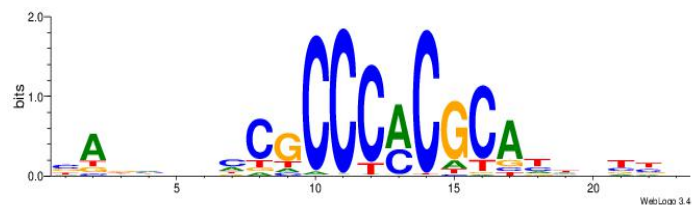
Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.014467

Alignment:

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

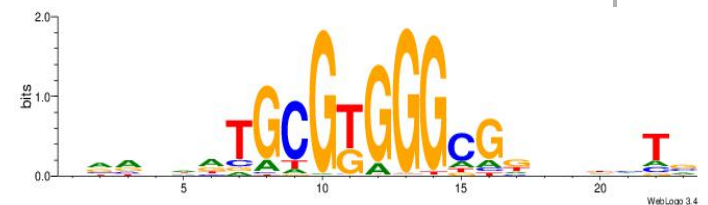
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB

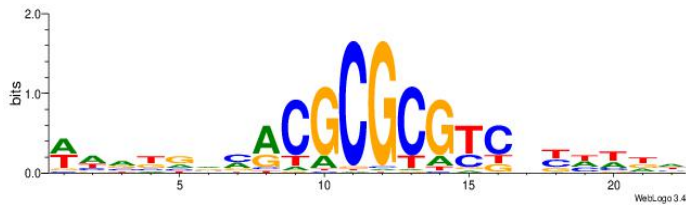


Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11

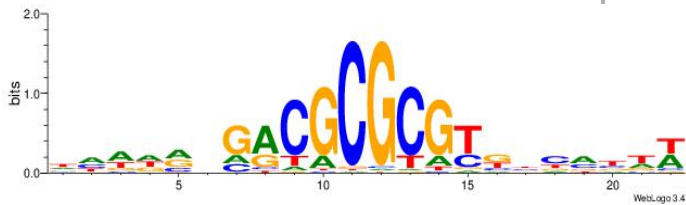
Similarity score: 0.0150561

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

Original motif
Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif
Consensus sequence: HDWHMHGACGCGCGTRBVVBHW

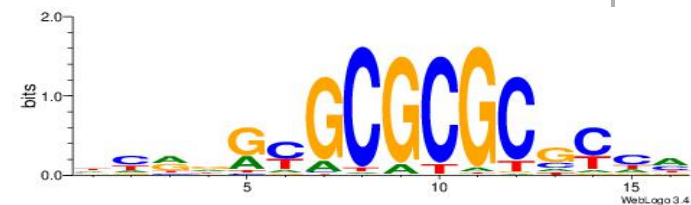
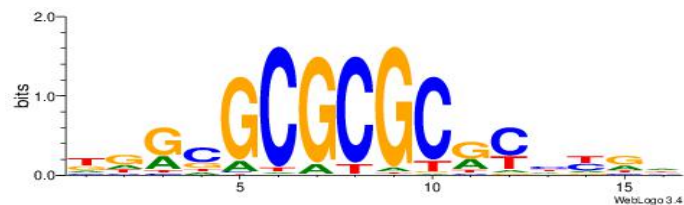


Motif ID: [UP00065](#)
Motif name: Zfp161_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0169049

Alignment:
DMMDGMGCGCGCGCHD
--BSCCCGCGBS---

Original motif
Consensus sequence: DDGCGCGCGCRCHYRD

Reverse complement motif
Consensus sequence: DMMDGMGCGCGCGCHD



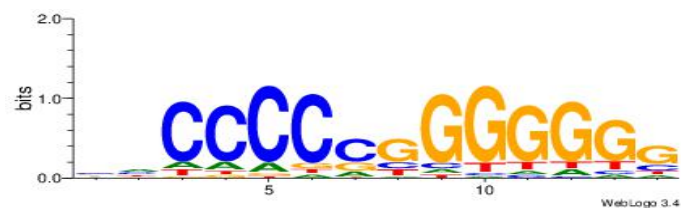
Motif ID: [UP00102](#)
 Motif name: Zic1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0186112

Alignment:

BHCCCCCGGGGGG
 -BCCCCGCGBS--

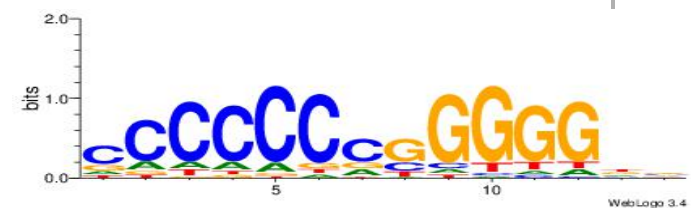
Original motif

Consensus sequence: BHCCCCCGGGGGG



Reverse complement motif

Consensus sequence: CCCCCCGGGGHB



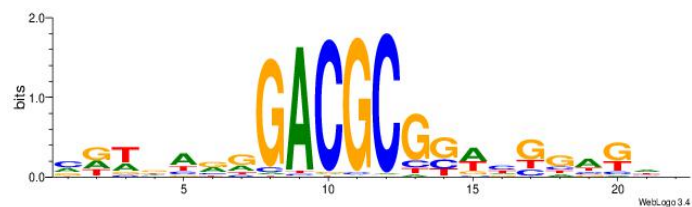
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 11
 Similarity score: 0.0192401

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
 ----BSCCCCGCGBS-----

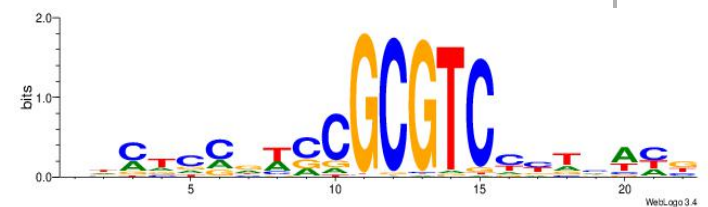
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



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: Forward
 Position number: 3

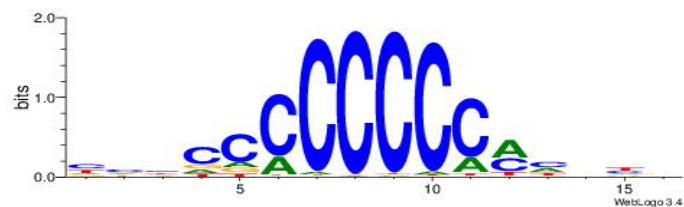
Number of overlap: 11
Similarity score: 0.0204596

Alignment:

BHHDYGGGGGGGBVD
--SBCGCGGGGSB---

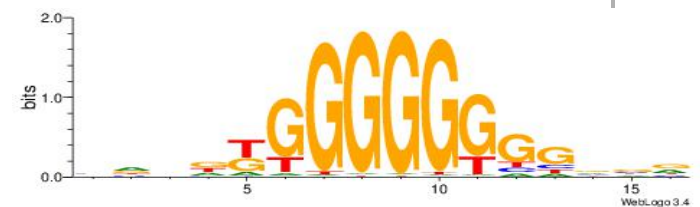
Original motif

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

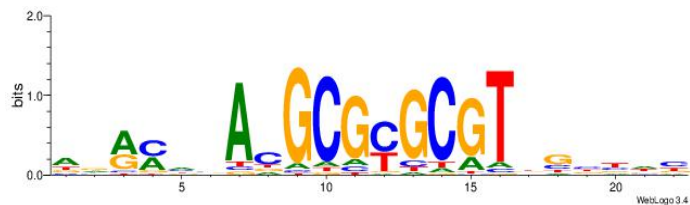
Alignment:

DDRMHBACGCGYCGTDGBBDB
-----SBCGCGGGGSB-----

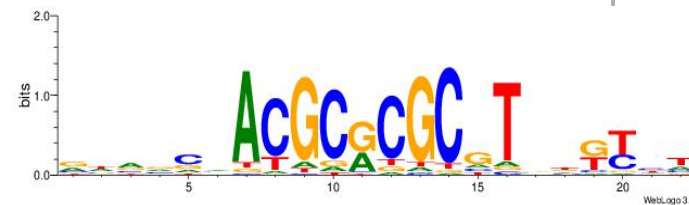
Original motif

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

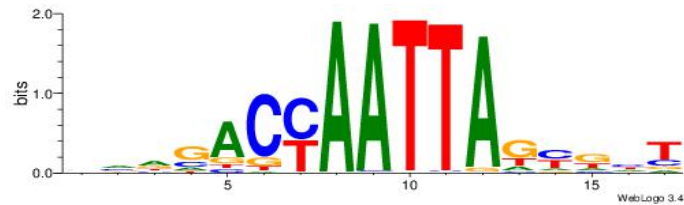
Alignment:

ADHKCTAATTKGTCDBV

----ATACTTTGGC---

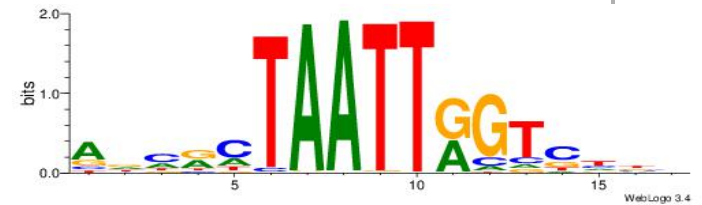
Original motif

Consensus sequence: VVDGACYAATTAGYDHT



Reverse complement motif

Consensus sequence: ADHKCTAATTKGTCDBV



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

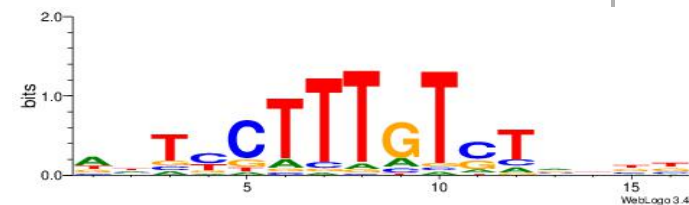
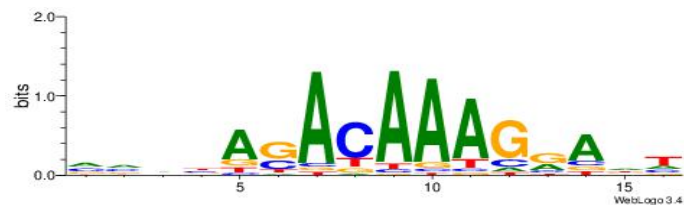
-ATACTTTGGC-----

Original motif

Consensus sequence: VVDBASACAAAGRADH

Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB

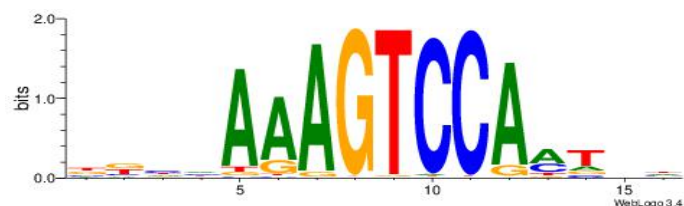


Motif ID: [UP00066](#)
 Motif name: Hnf4a_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0285786

Alignment:
 BBHHAAAGTCCAMTHH
 -GCCAAAGTAT-----

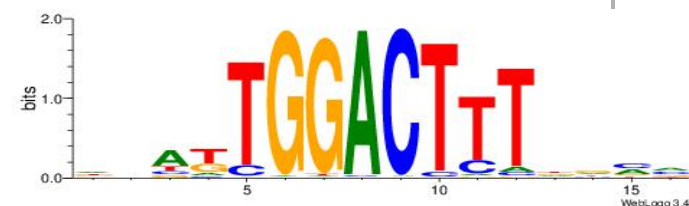
Original motif

Consensus sequence: BBHHAAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTTHDBV



Motif ID: [UP00418](#)

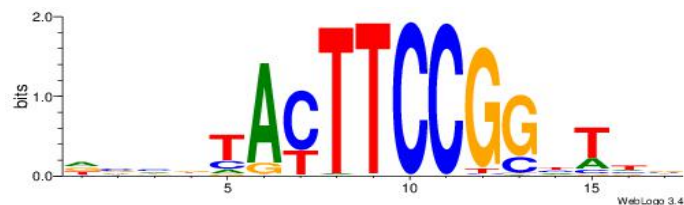
Motif name: Etv6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.030488

Alignment:

BHAHCCGGAAGTABDVD
 ----GCCAAAGTAT---

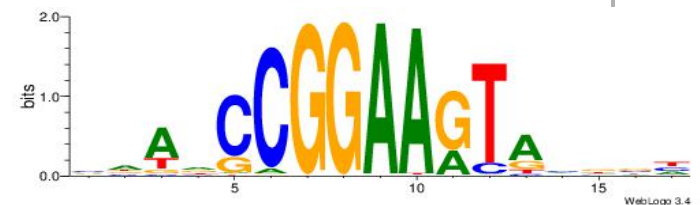
Original motif

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

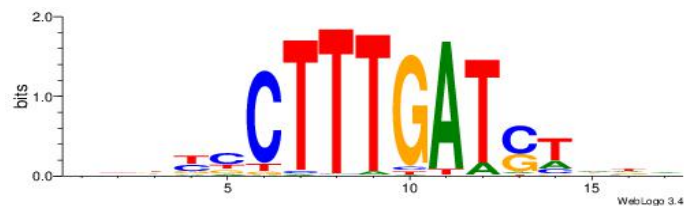
Alignment:

BDDASATCAAAGGMDDD

-----GCCAAAGTAT--

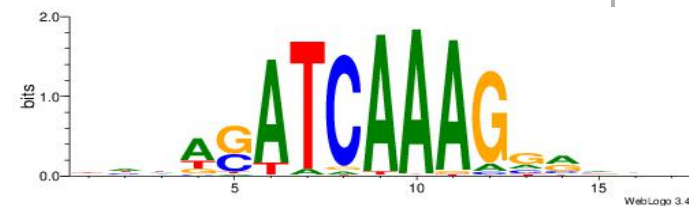
Original motif

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: Forward
Position number: 3
Number of overlap: 10
Similarity score: 0.0317293

Alignment:

HHBTMCTTTGTTMDDVH

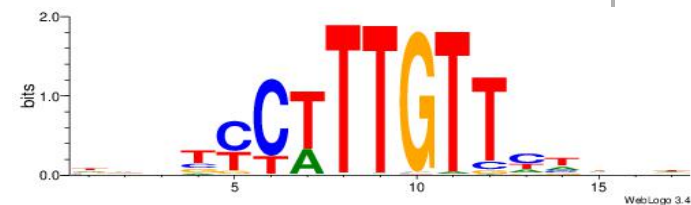
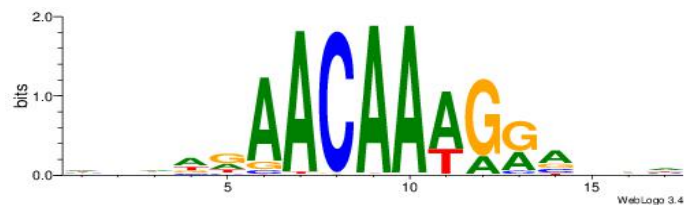
--ATACTTTGGC-----

Original motif

Consensus sequence: HBDDRAACAAAGRABHH

Reverse complement motif

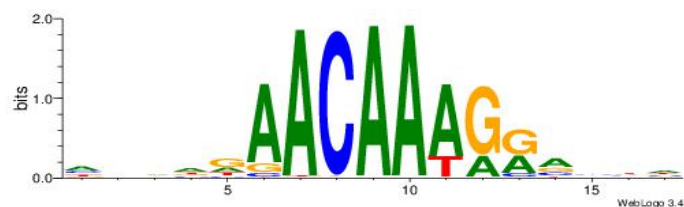
Consensus sequence: HHBTMCTTTGTTMDDVH



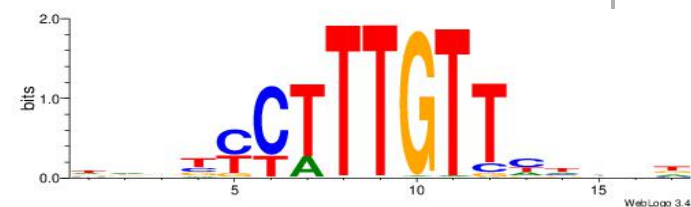
Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.031914

Alignment:
 HHBBMCTTTGTTHDDBH
 --ATACTTTGGC-----

Original motif
 Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif
 Consensus sequence: HHBBMCTTTGTTHDDBH



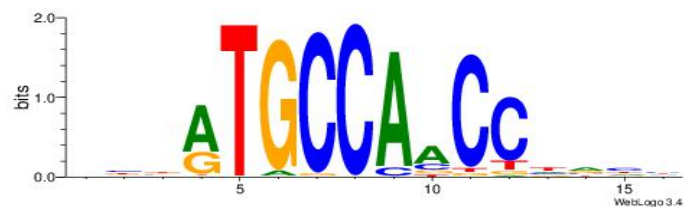
Motif ID: [UP00035](#)
 Motif name: Hic1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0323012

Alignment:

DBBATGCCAACCHVHH
 -----GCCAAAGTAT-

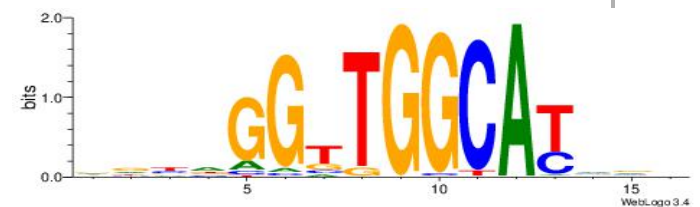
Original motif

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

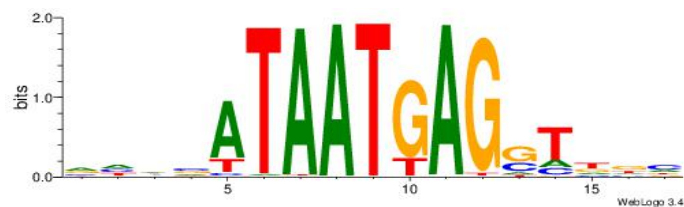
Number of overlap: 10
Similarity score: 0.032571

Alignment:

VHHVATAATGAGSTDDH
----ATACTTTGGC---

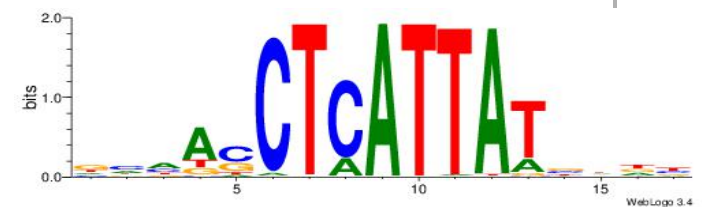
Original motif

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

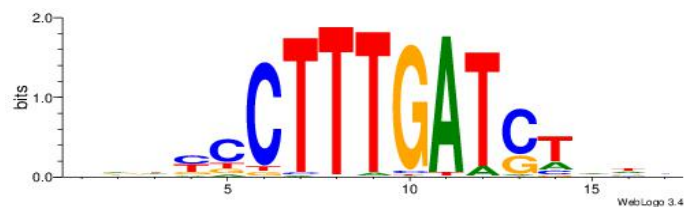
Alignment:

DDDYCCTTTGATCTDDV
--ATACTTTGGC-----

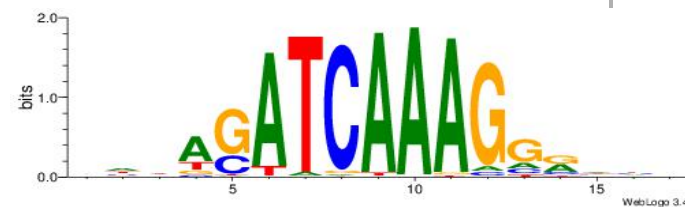
Original motif

Reverse complement motif

Consensus sequence: DDDYCCTTTGATCTDDV



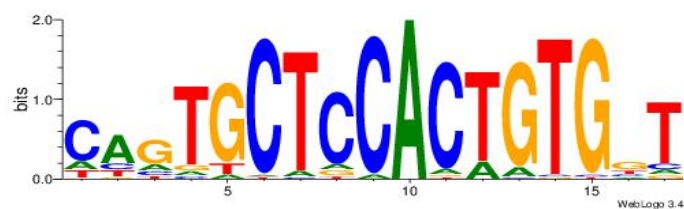
Consensus sequence: VDDAGATCAAAGKDDD



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

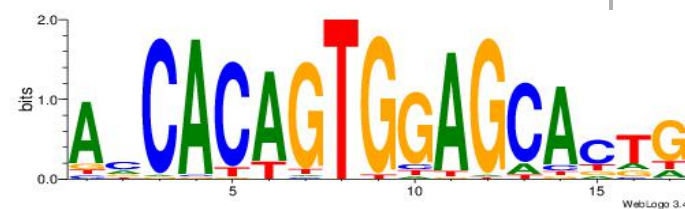
Original motif

Consensus sequence: CAGTGCTCCACTGTGBT



Reverse complement motif

Consensus sequence: ABCACAGTGGAGCACTG



Best Matches for Motif ID 70 (Highest to Lowest)

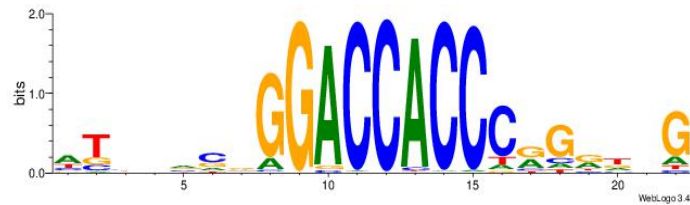
Motif ID:	UP00539
Motif name:	Gli2_v015681_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	17
Similarity score:	0.0419306

Alignment:

CBDMCMGGGTGGTCCHVBVBAH
--ABCACAGTGGAGCACTG---

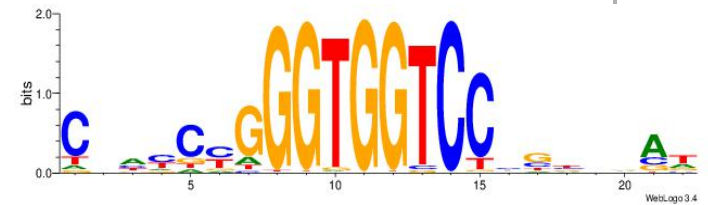
Original motif

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

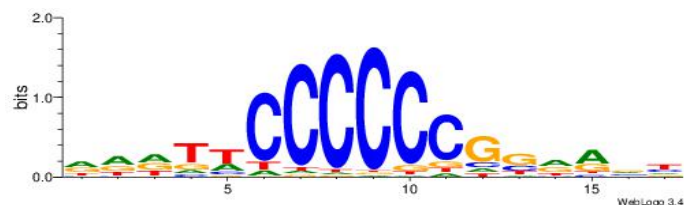
Consensus sequence: WBHHHHHMDATTGTTHDHDVHH

Motif 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

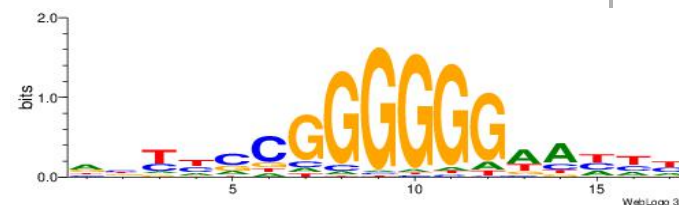
Original motif

Consensus sequence: DDDTWCCCCCGGDRVH



Reverse complement motif

Consensus sequence: HVKDCCGGGGGGWADDD



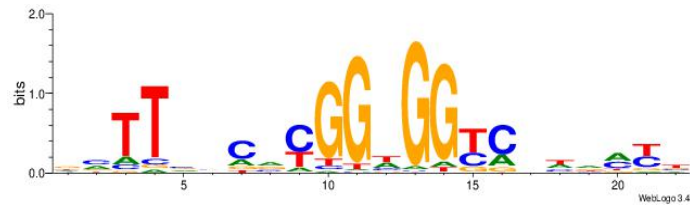
Motif ID: [UP00540](#)
Motif name: Gli3_v015681_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 17
Similarity score: 0.0516506

Alignment:

VMYDHDGMCCHCCKBGVVAHVH
-CAGTGCTCCACTGTGBT-----

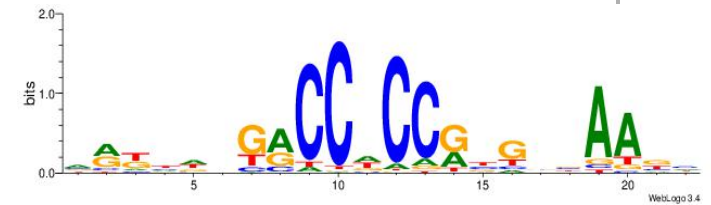
Original motif

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:

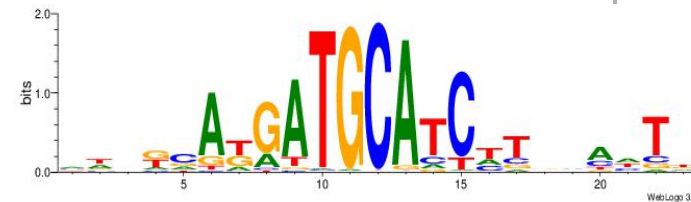
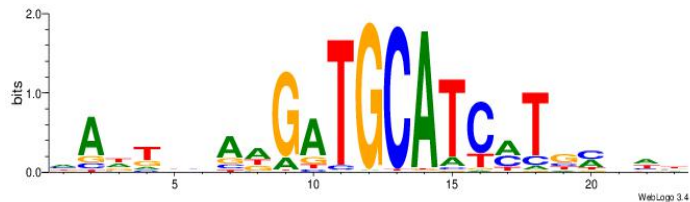
VHVRCAYGATGCATCDTVVADTH
--ABCACAGTGGAGCACTG-----

Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB

Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH

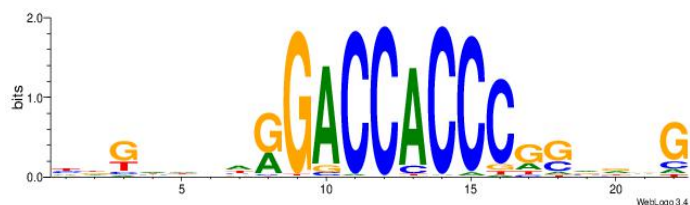


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 17
 Similarity score: 0.053668

Alignment:
 CVHBSCGGGTGGTCMHVHHCDH
 --ABCACAGTGGAGCACTG---

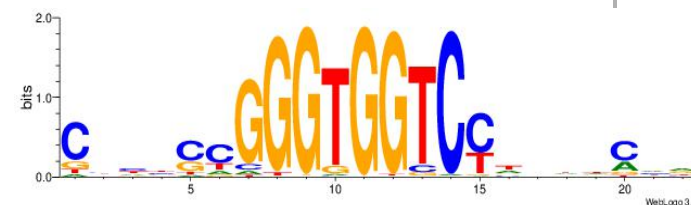
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



Motif ID: [UP00050](#)

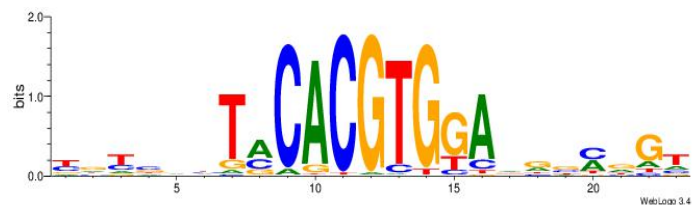
Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 17
 Similarity score: 0.0539016

Alignment:

YDYBDHTMCACGTGGADDBMDGT
 -----ABCACAGTGGAGCACTG-

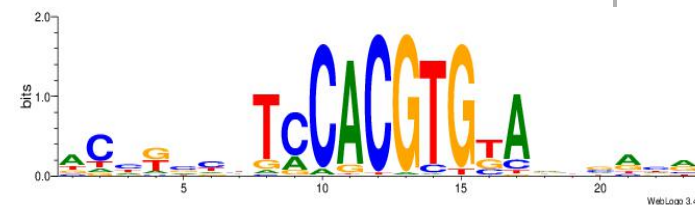
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM

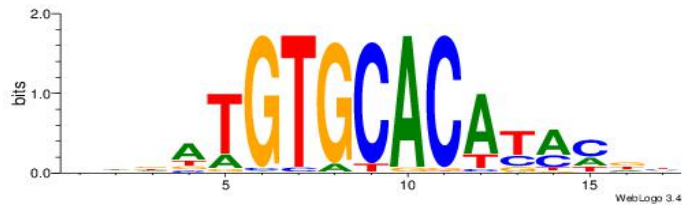


Motif ID: [UP00042](#)
 Motif name: Gm397_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 17

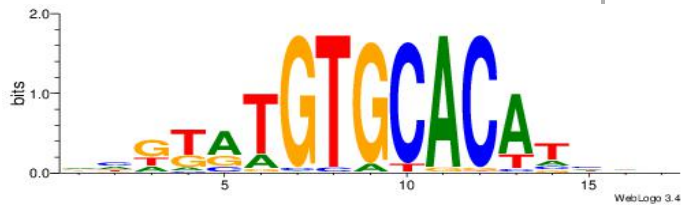
Similarity score: 0.0558205

Alignment:
HHRTATGTGCACATHHD
ABCACAGTGGAGCACTG

Original motif
Consensus sequence: HHDATGTGCACATAMDH



Reverse complement motif
Consensus sequence: HHRTATGTGCACATHHD

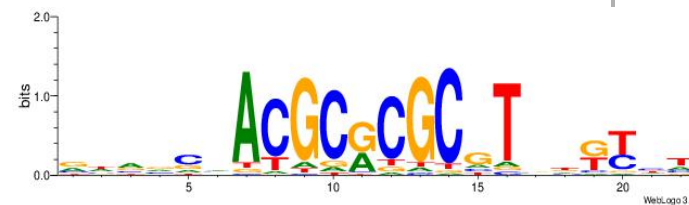
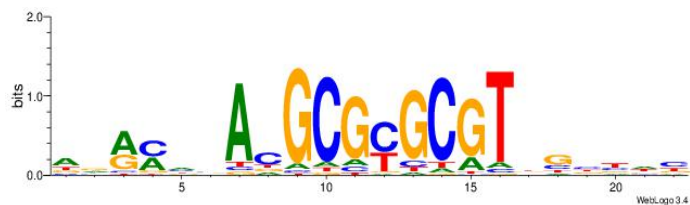


Motif ID: [UP00526](#)
Motif name: Foxn1_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 17
Similarity score: 0.0558674

Alignment:
BDVBCDACGCKCGCGTBHRKHD
----CAGTGCTCCACTGTGBT-

Original motif
Consensus sequence: DDRMHBACGCGYGCGTDGBBDB

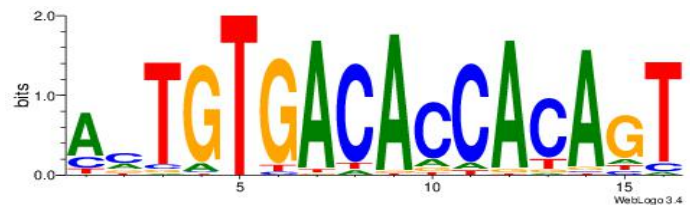
Reverse complement motif
Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



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

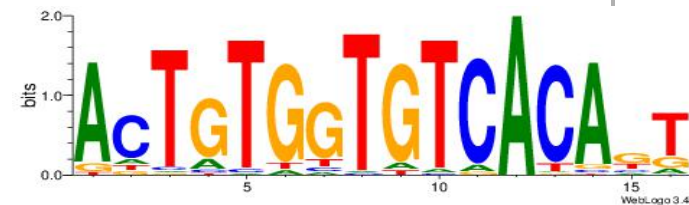
Original motif

Consensus sequence: AMTGTGACACCACAGT



Reverse complement motif

Consensus sequence: ACTGTGGTGTACART



Best Matches for Motif ID 71 (Highest to Lowest)

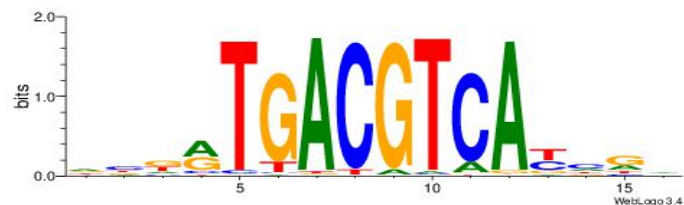
Motif ID:	UP00020
Motif name:	Atf1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	16
Similarity score:	0.0273934

Alignment:

DBDRTGACGTCAYHRD
AMTGTGACACCACAGT

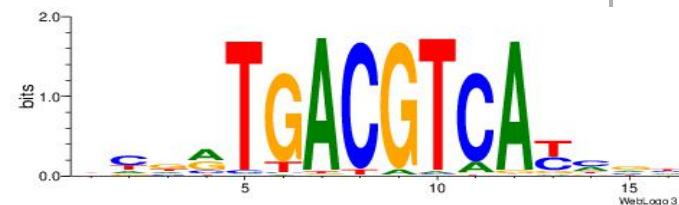
Original motif

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:

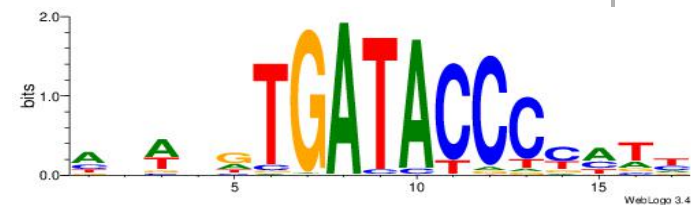
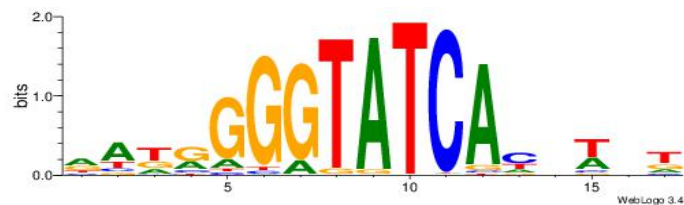
AHWDGTGATACCCMRD
-AMTGTGACACCACAGT

Original motif

Consensus sequence: DAKRGGGTATCACDWHT

Reverse complement motif

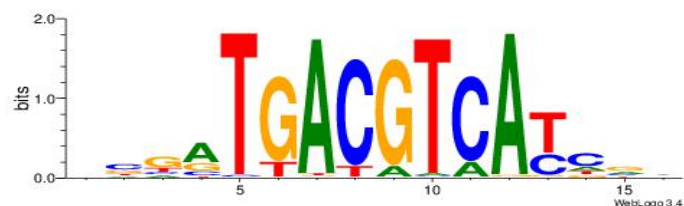
Consensus sequence: AHWDGTGATACCCMRD



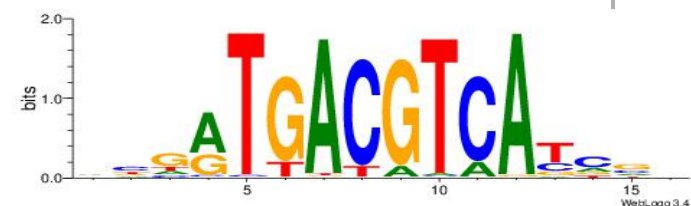
Motif ID: [UP00103](#)
 Motif name: Jundm2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0344928

Alignment:
 BBGATGACGTCAYCVH
 AMTGTGACACCACAGT

Original motif
 Consensus sequence: BBGATGACGTCAYCVH



Reverse complement motif
 Consensus sequence: HVGMTGACGTCATCBB



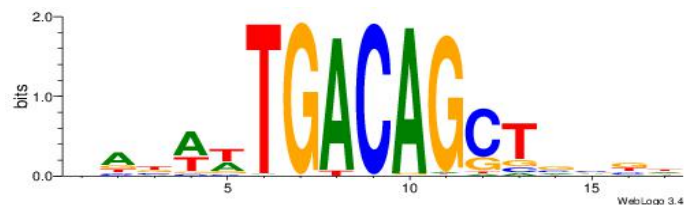
Motif ID: [UP00122](#)

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-

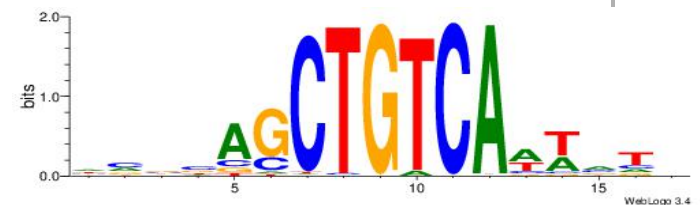
Original motif

Consensus sequence: DABWWTGACAGCTVVBD

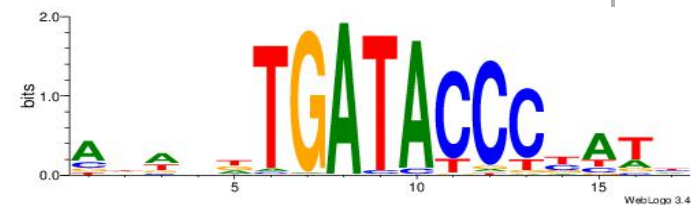
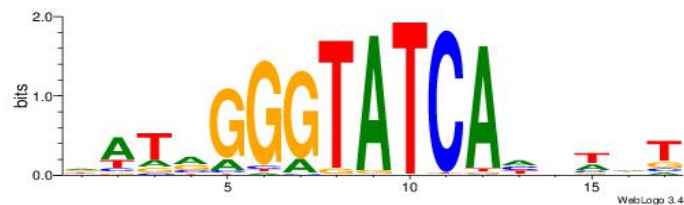


Reverse complement motif

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

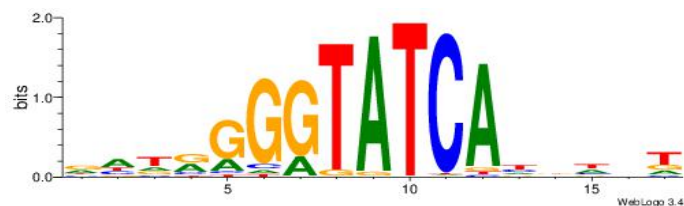


Motif ID: [UP00192](#)
 Motif name: Six1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0354313

Alignment:
 AVHDHTGATACCCMDHH
 ACTGTGGTGTCACT-

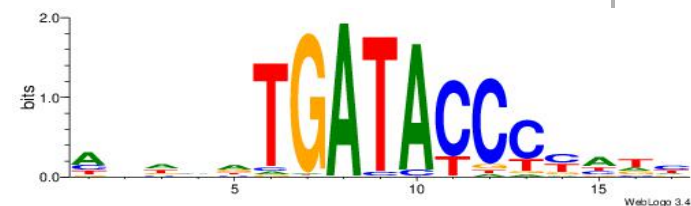
Original motif

Consensus sequence: DHDRGGGTATCAHDHBT



Reverse complement motif

Consensus sequence: AVHDHTGATACCCMDHH



Motif ID: [UP00199](#)
 Motif name: Six4

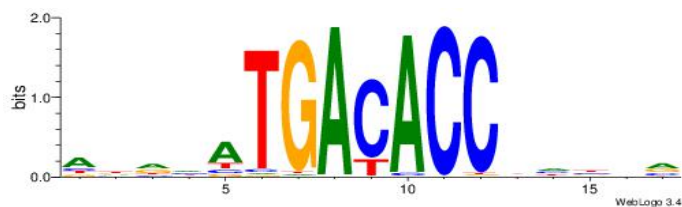
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 16
Similarity score: 0.0355151

Alignment:

ADDHATGACACCBHBBV
-AMTGTGACACCACAGT

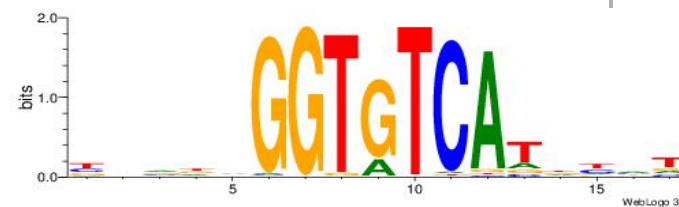
Original motif

Consensus sequence: ADDHATGACACCBHBBV



Reverse complement motif

Consensus sequence: BBVHVGGTGTCAHDDT



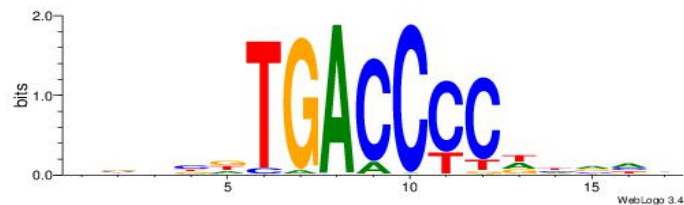
Motif ID: [UP00053](#)
Motif name: Rxra_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 16
Similarity score: 0.0362492

Alignment:

DBHBDTGACCCCDHVHB
-AMTGTGACACCACAGT

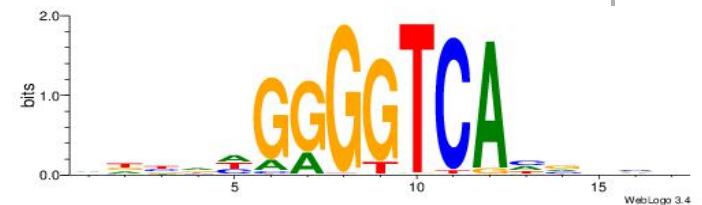
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

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:

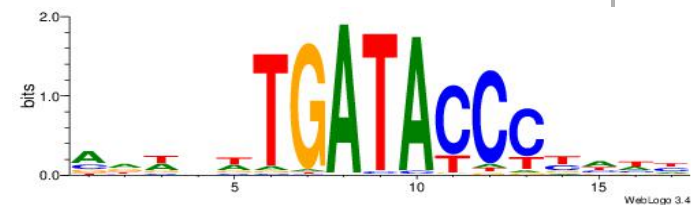
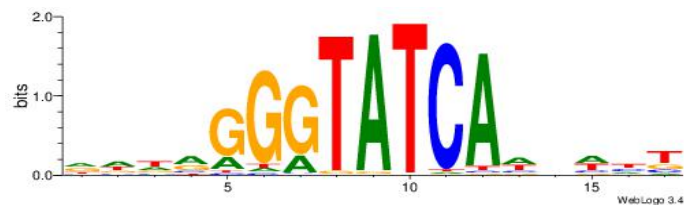
DDDRGGGTATCAWWHT
-AMTGTGACACCACAGT

Original motif

Consensus sequence: DDDRGGGTATCAWWHT

Reverse complement motif

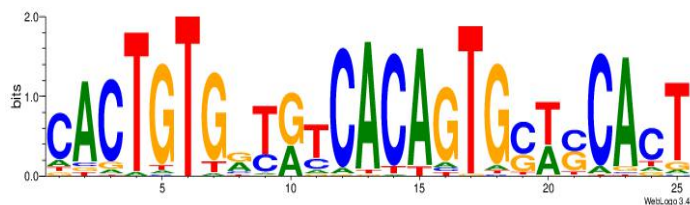
Consensus sequence: AHWHTGATACCKDDD



Dataset #: 4 **Motif ID: 72** **Motif name: CACTGTGrYrtCACAGTGswsCAcT**

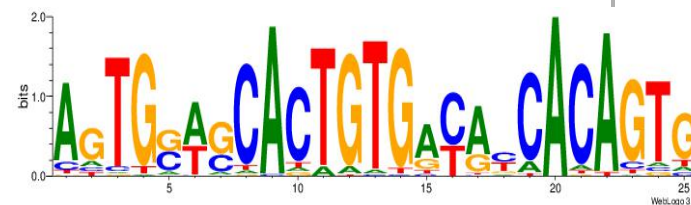
Original motif

Consensus sequence: CACTGTGRTRTCACAGTGSWSCACT



Reverse complement motif

Consensus sequence: AGTGSWSCACTGTGAMAMCACAG



Best Matches for Motif ID 72 (Highest to Lowest)

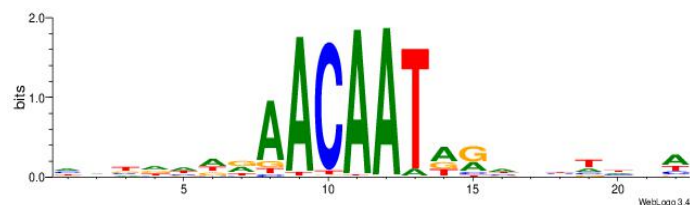
Motif ID:	UP00034
Motif name:	Sox7_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	5
Number of overlap:	21
Similarity score:	0.0558366

Alignment:

```
HHBDHDDAACAAATDRHHHHHBW----
----CACTGTGRTRTCACAGTGSWSCACT
```

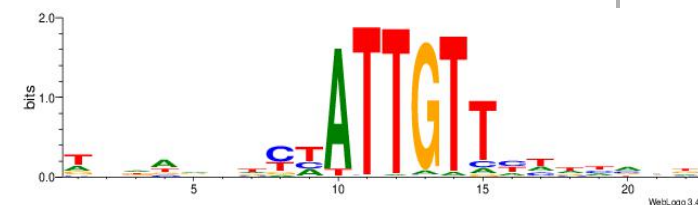
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



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: Backward
 Position number: 6
 Number of overlap: 20
 Similarity score: 0.55477

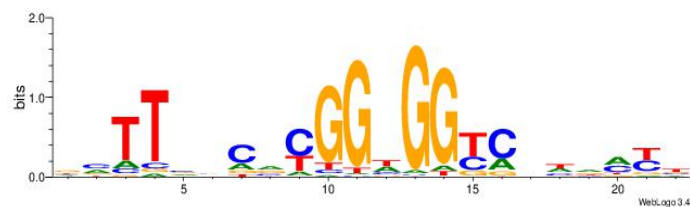
Alignment:

```

-----VMYDHDGMCCHCCKBGVVAAVH
AGTGSWSWCACTGTGAMAMCACAGTG-----
    
```

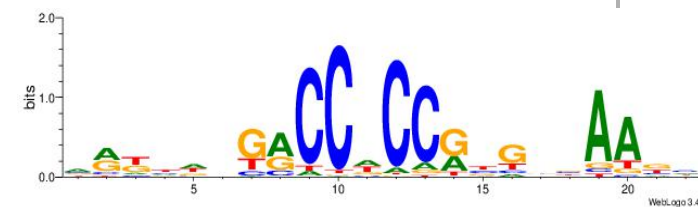
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAAVH



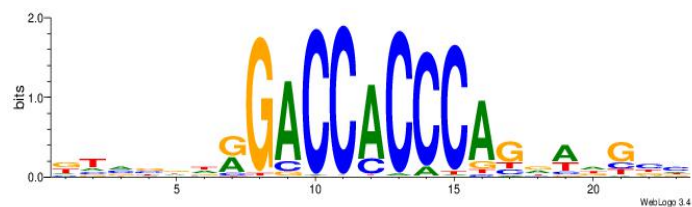
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 19
 Similarity score: 1.05722

Alignment:

-----DTVBDDRGACCACCCAGDWDGBH
 AGTGSWSCACTGTGAMAMCACAGTG-----

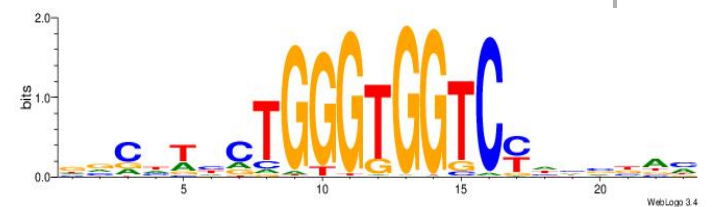
Original motif

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

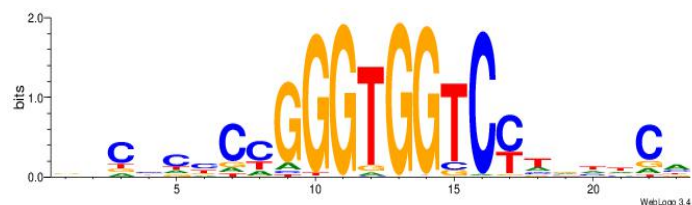
Similarity score: 1.05946

Alignment:

HGDHVVHKGACCACCCGGBGBGDB-----
-----AGTGSWSCACTGTGAMAMCACAGTG

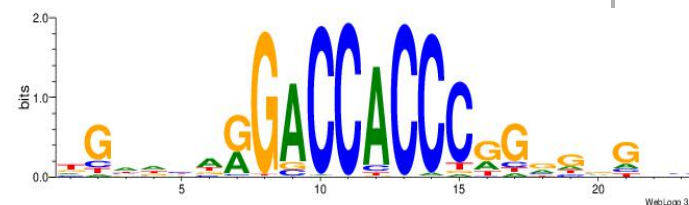
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif

Consensus sequence: HGDHVVHKGACCACCCGGBGBGDB



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:

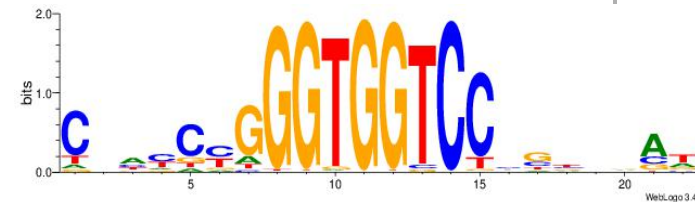
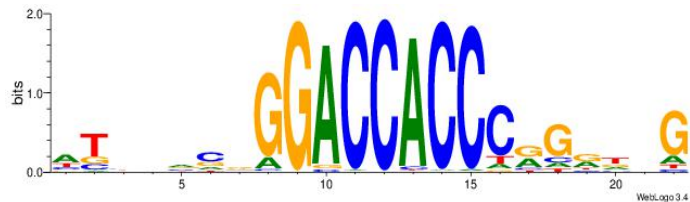
HTBVVVDGGACCACCCRGRDBG-----
-----CACTGTGRTRTCACAGTGSWSCACT

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: Backward
 Position number: 6
 Number of overlap: 18
 Similarity score: 1.55149

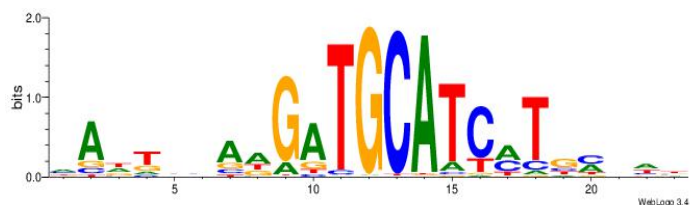
Alignment:

```

-----VHVRCAYGATGCATCDTVVADTH
CACTGTGRTRTCACAGTGSWSCACT-----
  
```

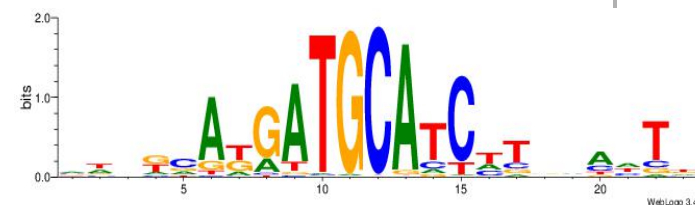
Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB



Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH



Motif ID: [UP00540](#)

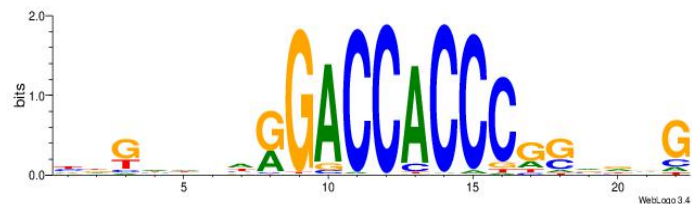
Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 18
 Similarity score: 1.55607

Alignment:

HDGHHBHRGACCACCCGSVDVG-----
 ----AGTGSWSCACTGTGAMAMCACAGTG

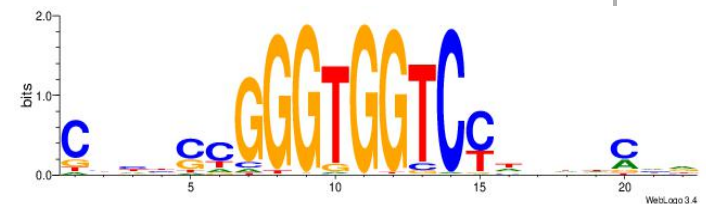
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH



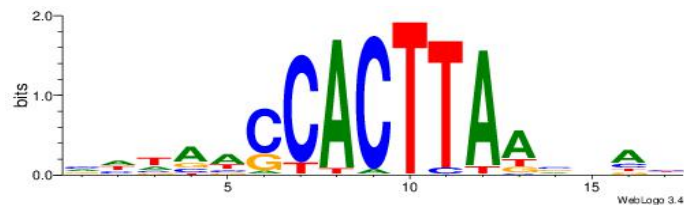
Motif ID: [UP00228](#)
 Motif name: Bapx1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 17
 Similarity score: 2.04247

Alignment:

DTBVTTAAGTGGTTHHV-----
-AGTGSWSCACTGTGAMAMCACAGTG

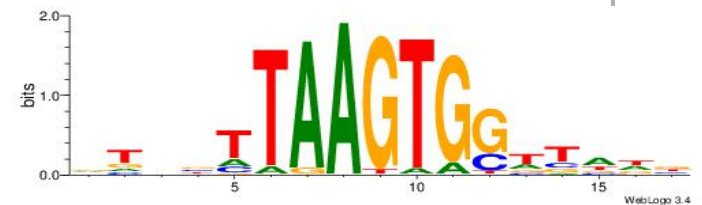
Original motif

Consensus sequence: VHHAACCACTTAHVVAH



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:

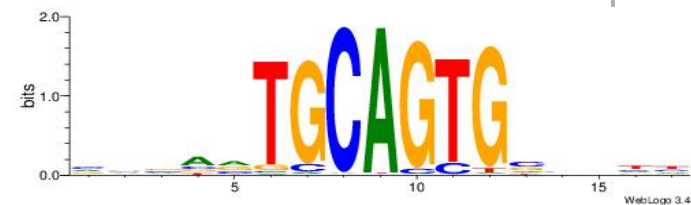
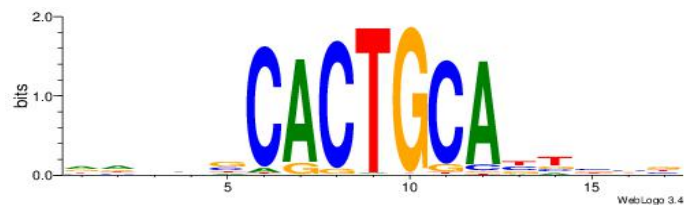
DDBBBCACTGCABTBBB-----
-----CACTGTGRTRTCACAGTGSWSCACT

Original motif

Consensus sequence: DDBBBCACTGCABTBBB

Reverse complement motif

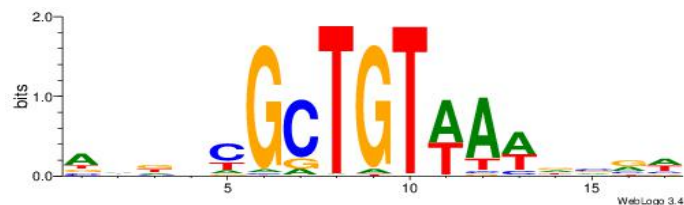
Consensus sequence: BBBAVTGCAGTGBBVDD



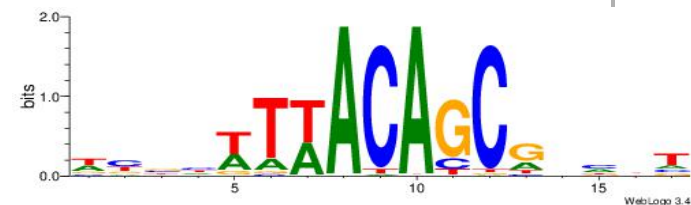
Motif ID: [UP00193](#)
 Motif name: Rhox11_1765.2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 17
 Similarity score: 2.04346

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

Original motif
 Consensus sequence: AVDVCGCTGTWAWDVVW



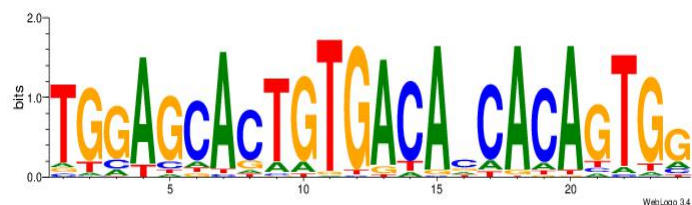
Reverse complement motif
 Consensus sequence: WVHWTWACAGCGBHBT



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

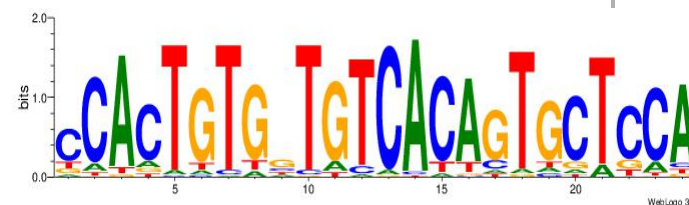
Original motif

Consensus sequence: TGGAGCACTGTGACAVCACAGTGG



Reverse complement motif

Consensus sequence: CCACTGTGVTGTACAGTGCTCCA



Best Matches for Motif ID 73 (Highest to Lowest)

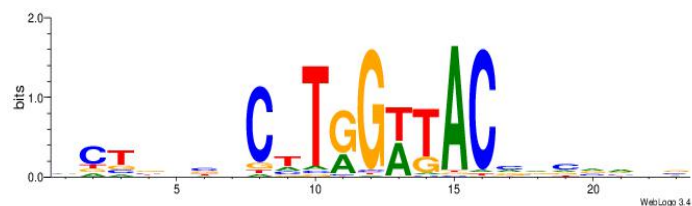
Motif ID:	UP00098
Motif name:	Rfx3_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	21
Similarity score:	0.0391954

Alignment:

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

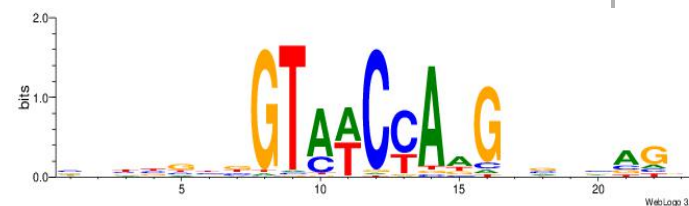
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



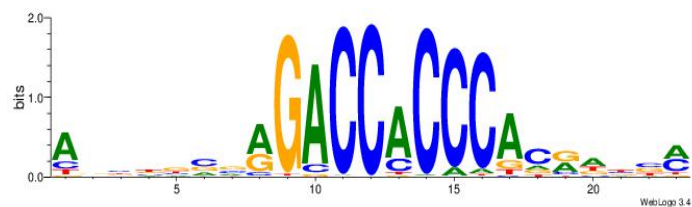
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 21
 Similarity score: 0.0400271

Alignment:

YBVDMSGTGGGTGGTCKVVBVBBT---
 --CCACTGTGVTGTACAGTGCTCCA

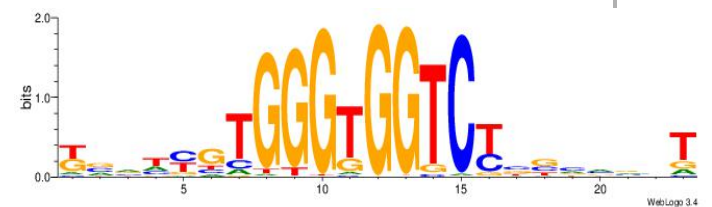
Original motif

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

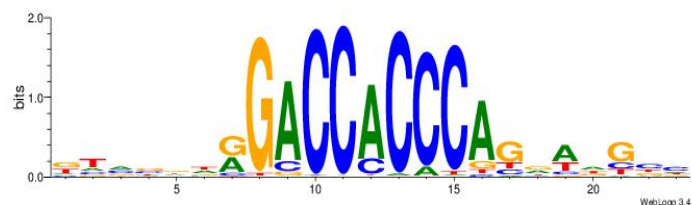
Similarity score: 0.535486

Alignment:

----DBCDWHCTGGGTGGTCMDHBBAH
CCACTGTGVTGTCACAGTGCTCCA----

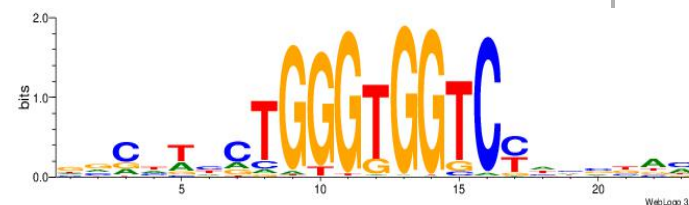
Original motif

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:

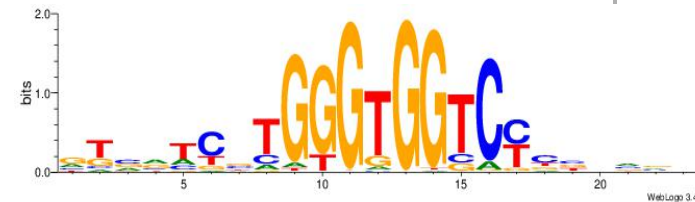
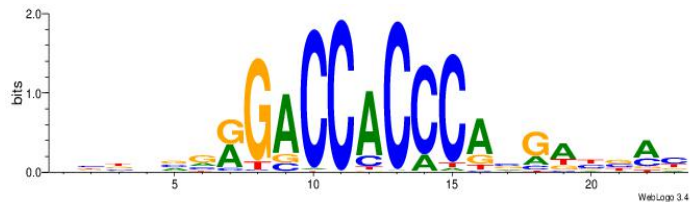
----BTBVTCTVGGGTGGTCMVVDVBB
CCACTGTGVTGTCACAGTGCTCCA----

Original motif

Consensus sequence: BBBDVVRGACCA⁺CCAVGABBAB

Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



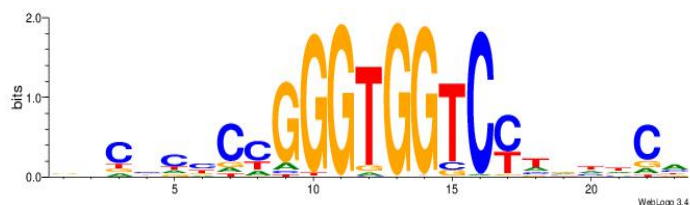
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 20
 Similarity score: 0.539704

Alignment:

----HGDHVKHGACCACCCGGBGBGDB
 TGGAGCACTGTGACAVCACAGTGG---

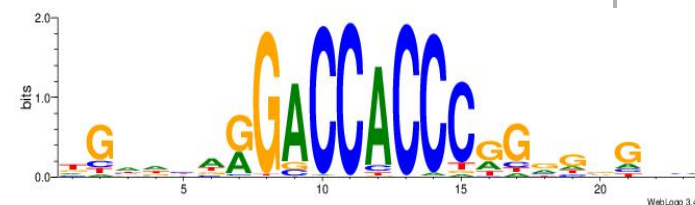
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif

Consensus sequence: HGDHVKHGACCACCCGGBGBGDB



Motif ID: [UP00540](#)

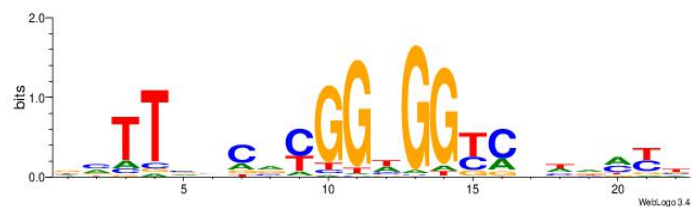
Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 18
 Similarity score: 1.53819

Alignment:

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

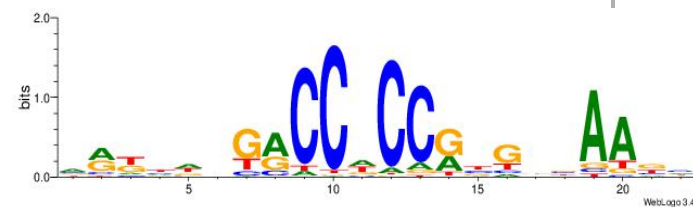
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH



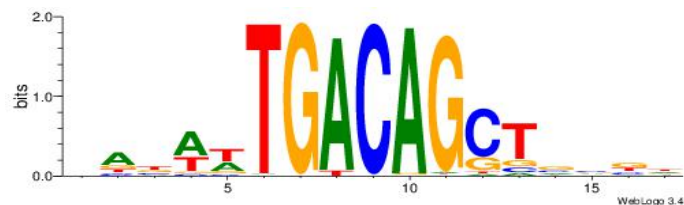
Motif ID: [UP00122](#)
 Motif name: Tgif1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 17
 Similarity score: 2.02534

Alignment:

-----DABWWTGACAGCTVVBD
TGGAGCACTGTGACAVCACAGTGG--

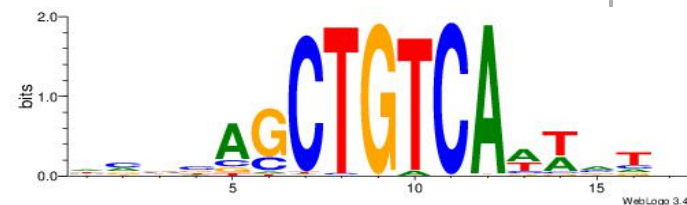
Original motif

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:	Backward
Position number:	6
Number of overlap:	17
Similarity score:	2.02571

Alignment:

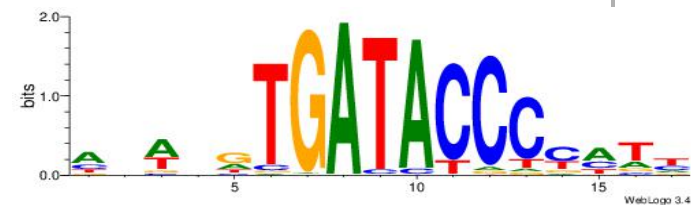
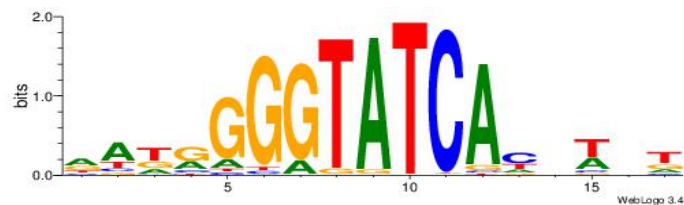
-----AHWDGTGATACCCMRTD
CCACTGTGVTGTCACAGTGCTCCA-----

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: Backward
 Position number: 6
 Number of overlap: 17
 Similarity score: 2.02892

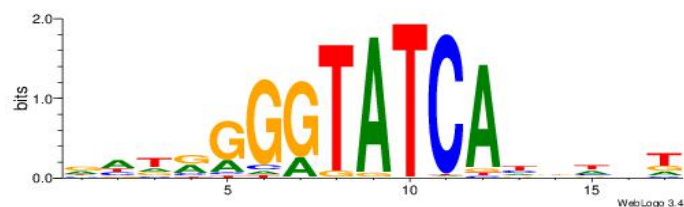
Alignment:

```

-----AVHDHTGATACCCMDHH
CCACTGTGVTGTCACAGTGCTCCA-----
  
```

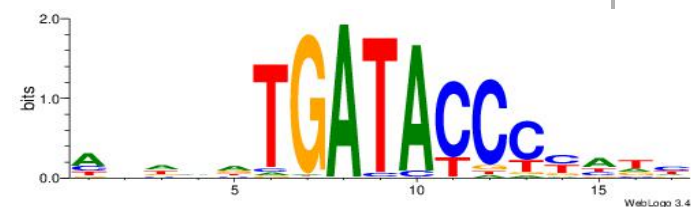
Original motif

Consensus sequence: DHDRGGGTATCAHDHBT



Reverse complement motif

Consensus sequence: AVHDHTGATACCCMDHH



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

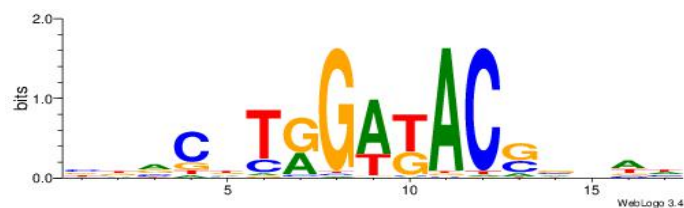
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 17
 Similarity score: 2.0292

Alignment:

HDDVSGTRTCMADGBVB-----
 ---CCACTGTGVTGTCACAGTGCTCCA

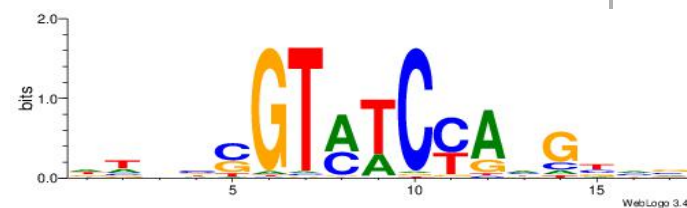
Original motif

Consensus sequence: BBVCDTRGAKACSVDDH



Reverse complement motif

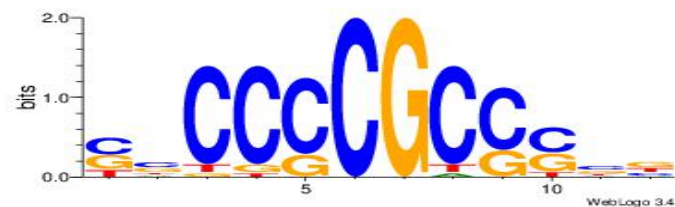
Consensus sequence: HDDVSGTRTCMADGBVB



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

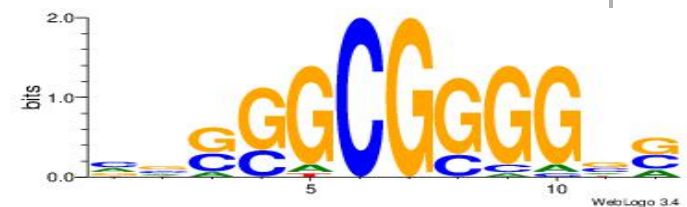
Original motif

Consensus sequence: SBCCCCGCCSBB



Reverse complement motif

Consensus sequence: BBSGGCGGGGBS



Best Matches for Motif ID 74 (Highest to Lowest)

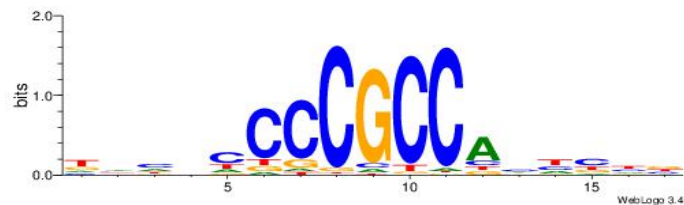
Motif ID: [UP00000](#)
Motif name: Smad3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 12
Similarity score: 0.0114847

Alignment:

DHHBCCCCGCCAHHBHB
--SBCCCCGCCSBB---

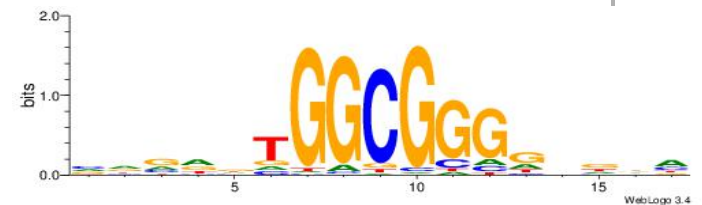
Original motif

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:

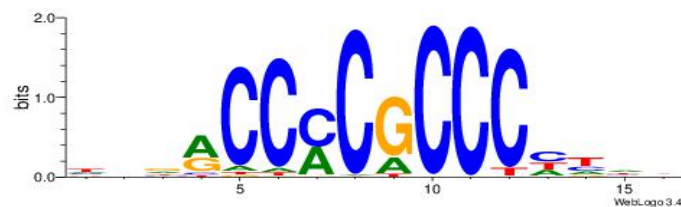
```

HBDRCMCGCCCHHD
--SBCCCCGCCSBB--

```

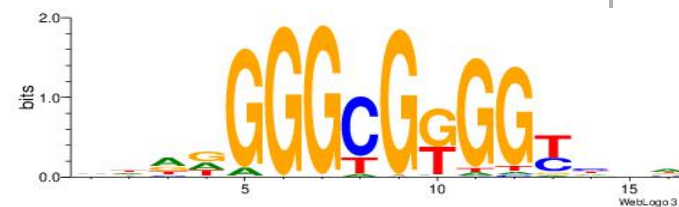
Original motif

Consensus sequence: HBDRCMCGCCCHHD



Reverse complement motif

Consensus sequence: DHHDGGGCGRGGKHBH



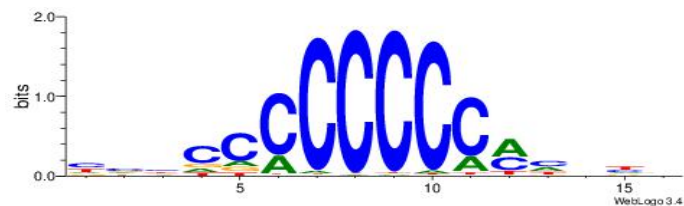
Motif ID:	UP00022
Motif name:	Zfp740_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	12
Similarity score:	0.0276137

Alignment:

HVBCCCCCCCCMHHHB
--SBCCCCGCCSBB--

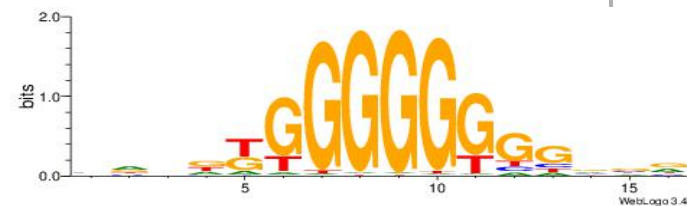
Original motif

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:

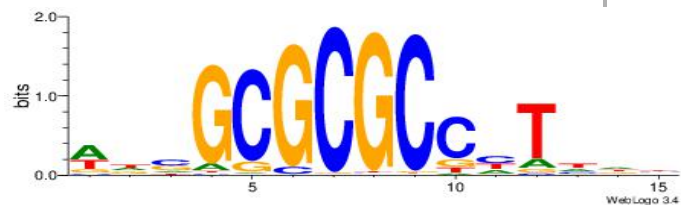
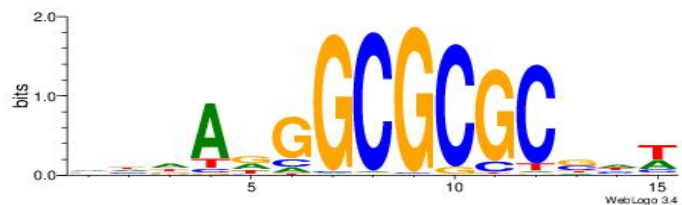
WHS GCGCGCCHTDHB
-SBCCCCGCCSBB--

Original motif

Consensus sequence: VHDADGGCGCGCSHW

Reverse complement motif

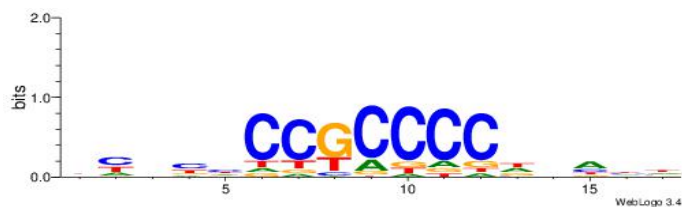
Consensus sequence: WHSGCGCGCCHTDHB



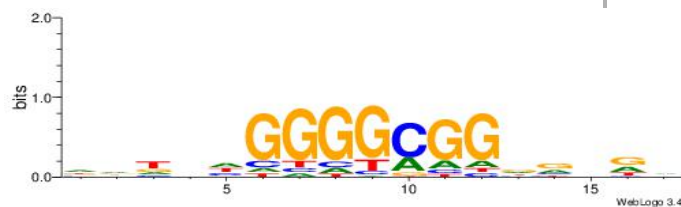
Motif ID: [UP00033](#)
 Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0336734

Alignment:
 BHHBHCCGCCCCDHHHH
 -SBCCCCGCCSBB-----

Original motif
 Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif
 Consensus sequence: HHHHDGGGGCGGDBHDV



Motif ID: [UP00001](#)

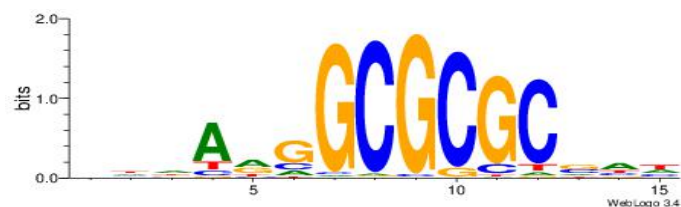
Motif name: E2F2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0345737

Alignment:

HHVGCGCGCCKTDHB
 -SBCCCCGCCSBB--

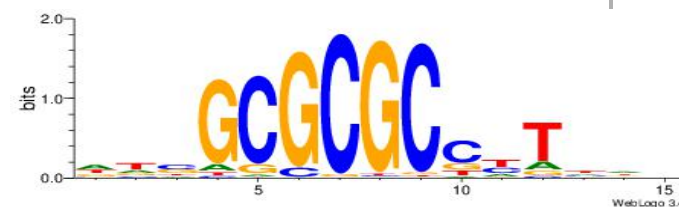
Original motif

Consensus sequence: VHDARGGCGCGCVHH



Reverse complement motif

Consensus sequence: HHVGCGCGCCKTDHB

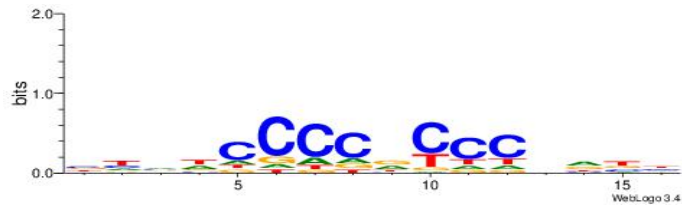


Motif ID: [UP00099](#)
 Motif name: Ascl2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 12

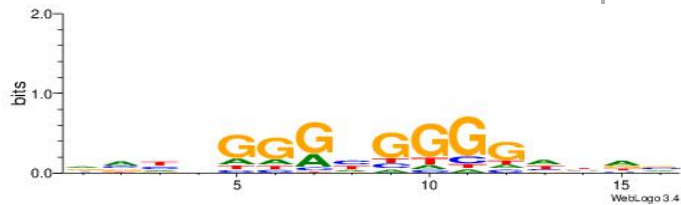
Similarity score: 0.0347468

Alignment:
HVDVGGGHGGGGDBHB
--BBSGGCGGGGBS--

Original motif
Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif
Consensus sequence: HVDVGGGHGGGGDBHB

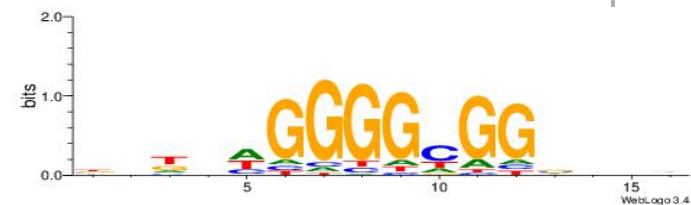
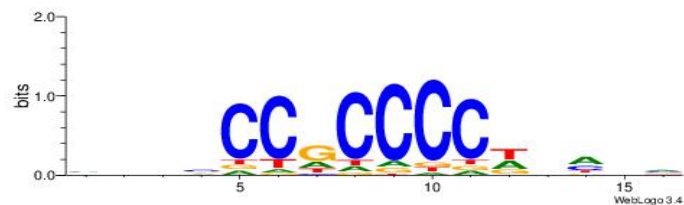


Motif ID: [UP00043](#)
Motif name: Bcl6b_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 12
Similarity score: 0.0358124

Alignment:
BHHHWGGGGCGGBBVH
--BBSGGCGGGGBS--

Original motif
Consensus sequence: HBBBCCGCCCCWHHHV

Reverse complement motif
Consensus sequence: BHHHWGGGGCGGBBVH



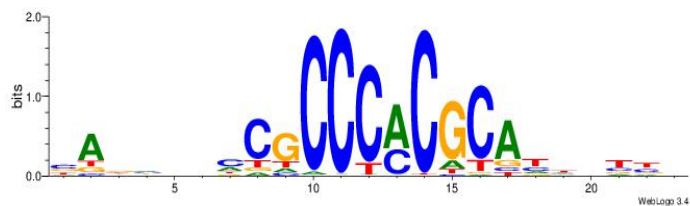
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 9
 Number of overlap: 12
 Similarity score: 0.0365354

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
 -----SBCCCCGCCSBB----

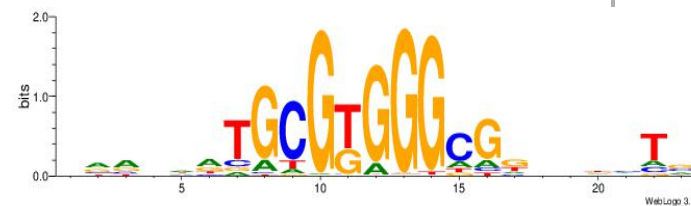
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



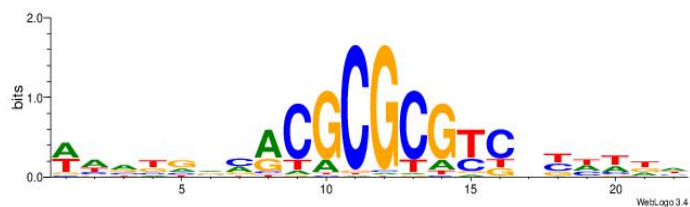
Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 12
 Similarity score: 0.0389727

Alignment:

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

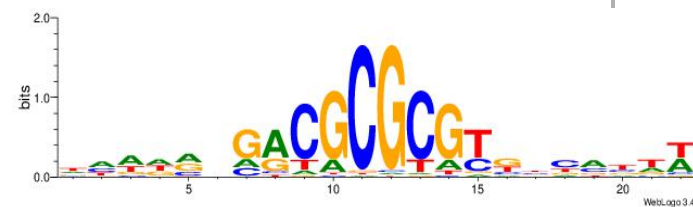
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



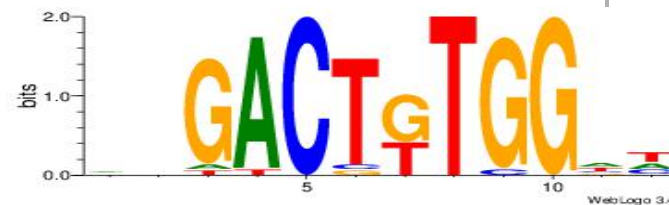
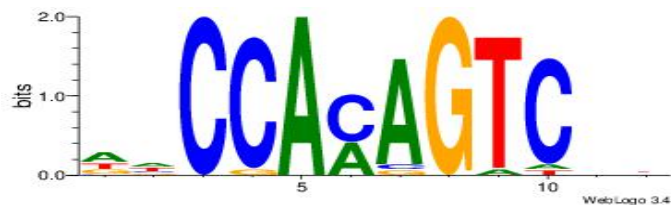
Dataset #: 4 Motif ID: 75 Motif name: wwCCAmAGTCmt

Original motif

Consensus sequence: DDCCAMAGTCHB

Reverse complement motif

Consensus sequence: VDGACTRTGGDD



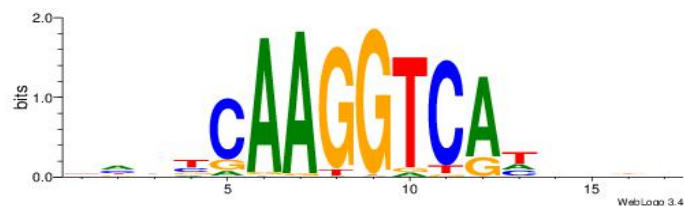
Best Matches for Motif ID 75 (Highest to Lowest)

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-----

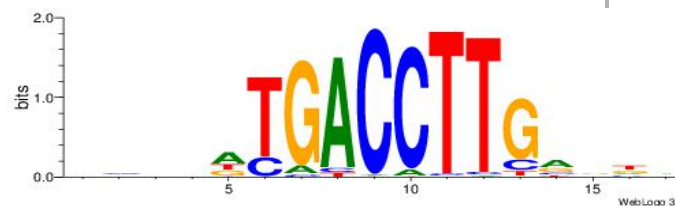
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD

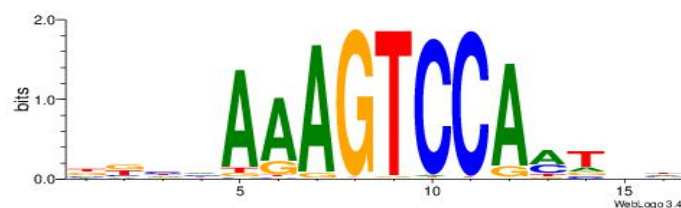


Motif ID: [UP00066](#)
 Motif name: Hnf4a_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0157554

Alignment:
 BBHHAAAGTCCAMTHH
 DDCCAMAGTCHB----

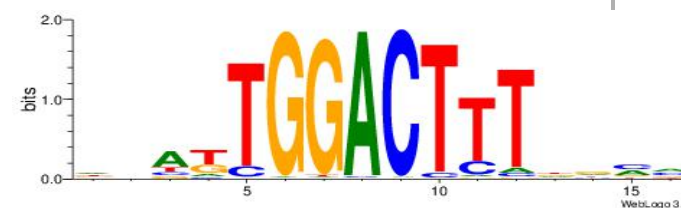
Original motif

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

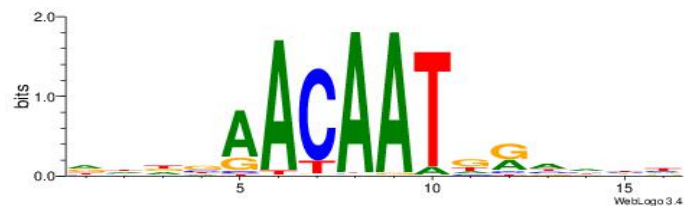
Alignment:

DHDBAACAATDRHHHH

--VDGACTRTGGDD--

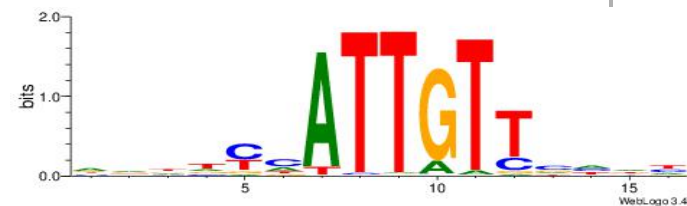
Original motif

Consensus sequence: DHDBAACAATDRHHHH



Reverse complement motif

Consensus sequence: HHHHMHATTGTTBDHD



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

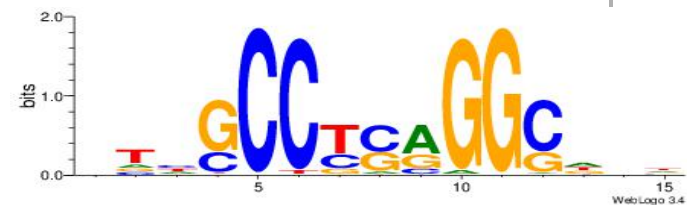
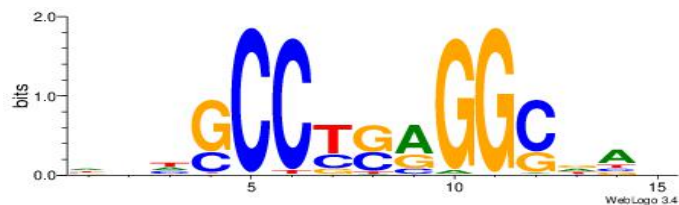
--DDCCAMAGTCHB--

Original motif

Consensus sequence: HHHGCCTSAGGCDAD

Reverse complement motif

Consensus sequence: DTHGCCTSAGGCHHH



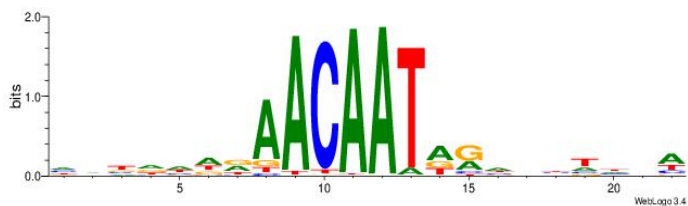
Motif ID: [UP00034](#)
 Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 12
 Similarity score: 0.0235871

Alignment:

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

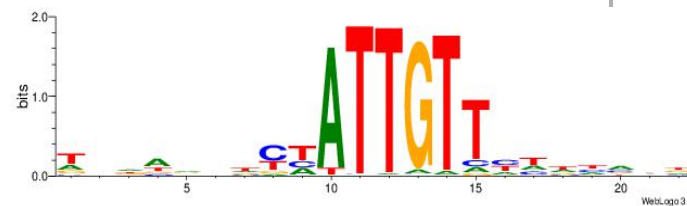
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



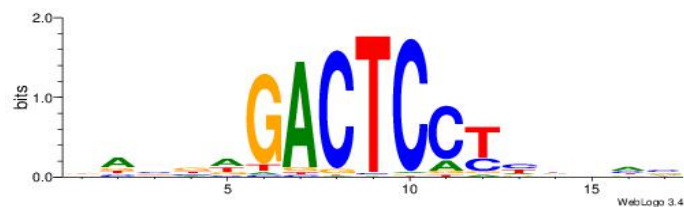
Motif ID: [UP00095](#)
 Motif name: Zfp691_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0240897

Alignment:

VHBDDAGGAGTCWBBTD
 --DDCCAMAGTCHB---

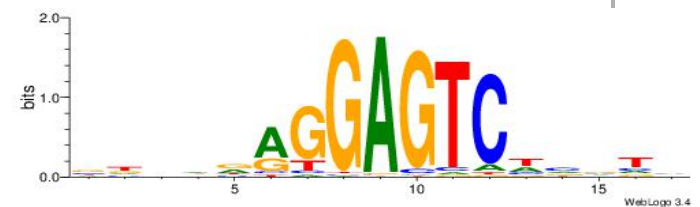
Original motif

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

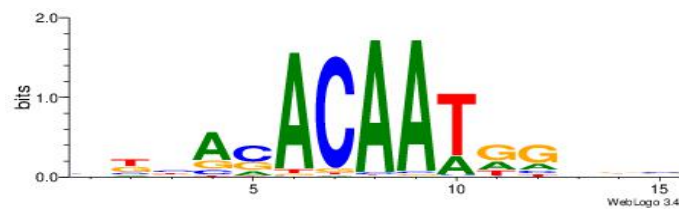
Number of overlap: 12
Similarity score: 0.025783

Alignment:

BKBASACAATRGHBB
--VDGACTRTGGDD--

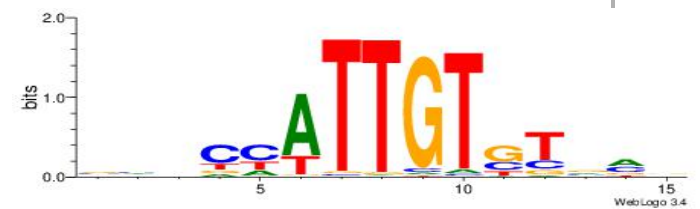
Original motif

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

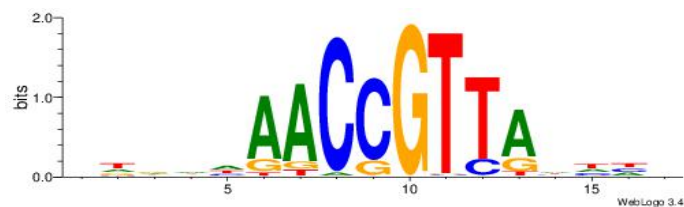
Alignment:

HDDDHAACCGTTAHHHD
---VDGACTRTGGDD--

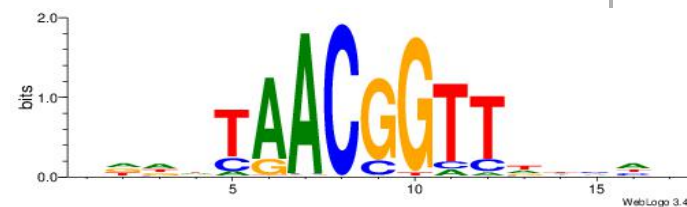
Original motif

Reverse complement motif

Consensus sequence: HDDDHAACCGTTAHHHD



Consensus sequence: DHHHTAACGGTTHDHDH



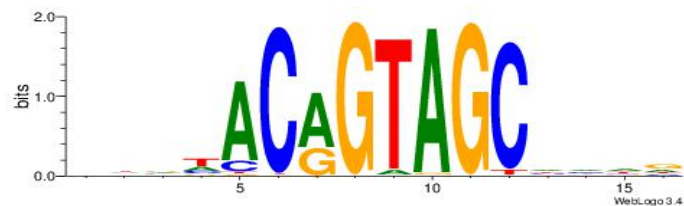
Motif ID: [UP00052](#)
Motif name: Osr2_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 12
Similarity score: 0.027027

Alignment:

HHHHGCTACKGTHVHH
---DDCCAMAGTCHB---

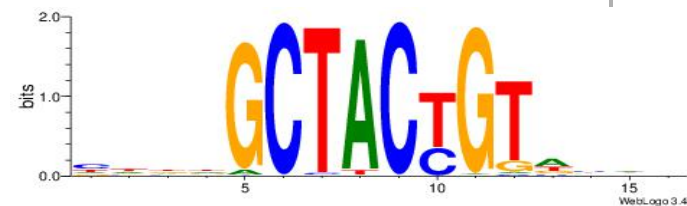
Original motif

Consensus sequence: HHVHACRGTAGCHHHD



Reverse complement motif

Consensus sequence: HHHHGCTACKGTHVHH



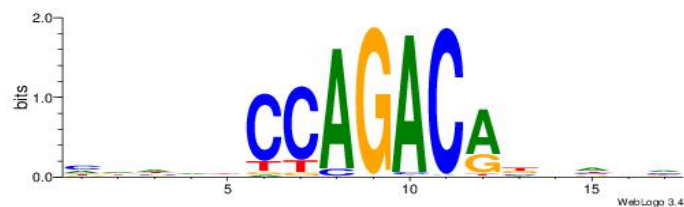
Motif ID: [UP00000](#)
 Motif name: Smad3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0270662

Alignment:

HVHBVTGTCTGGDDHDD
 --VDGACTRTGGDD---

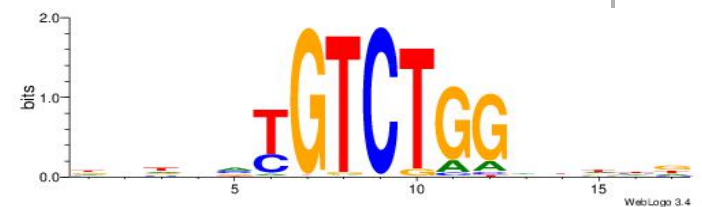
Original motif

Consensus sequence: HDHDDCCAGACABBHVH



Reverse complement motif

Consensus sequence: HVHBVTGTCTGGDDHDD



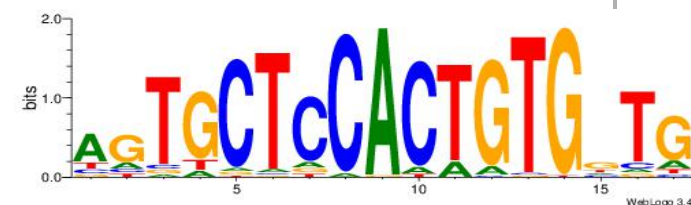
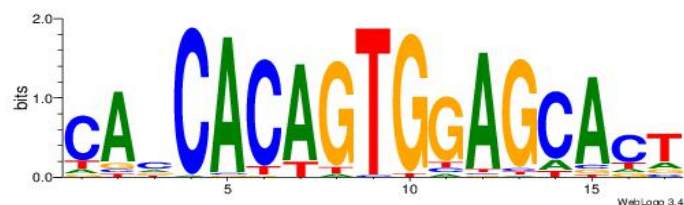
Dataset #: 4 Motif ID: 76 Motif name: CACACAGTGGAGCACT

Original motif

Consensus sequence: CAHCACAGTGGAGCACT

Reverse complement motif

Consensus sequence: AGTGCTCCACTGTGDTG



Best Matches for Motif ID 76 (Highest to Lowest)

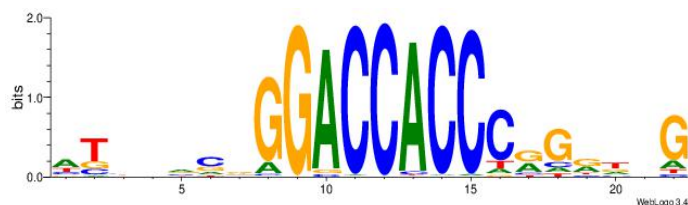
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 17
 Similarity score: 0.0381337

Alignment:

CBDMCMGGGTGGTCCHVBVBAH
 -CAHCACAGTGGAGCACT-----

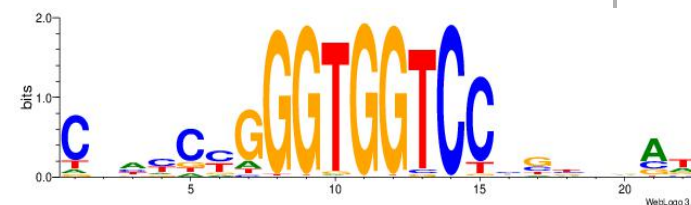
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



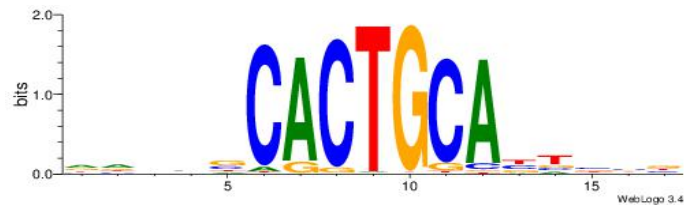
Motif ID: [UP00031](#)
Motif name: Zbtb3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 17
Similarity score: 0.0393208

Alignment:

BBBAVTGCAGTGBBVDD
AGTGCTCCACTGTGDTG

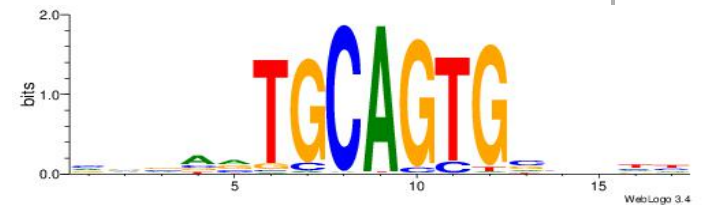
Original motif

Consensus sequence: DDBBBCACTGCABTBBB



Reverse complement motif

Consensus sequence: BBBAVTGCAGTGBBVDD

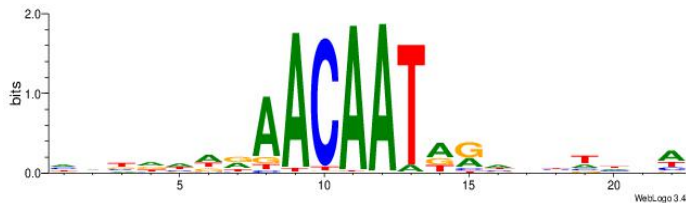


Motif ID: [UP00034](#)
Motif name: Sox7_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 17

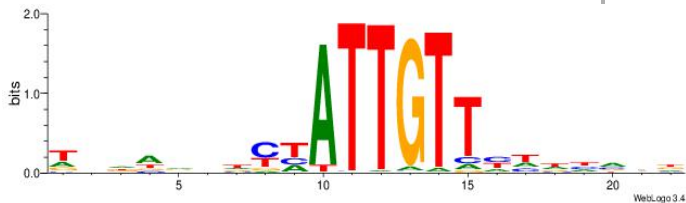
Similarity score: 0.0441166

Alignment:
HHBDHDDAACAAATDRHHHHHBW
----CAHCACAGTGGAGCACT--

Original motif
Consensus sequence: HHBDHDDAACAAATDRHHHHHBW



Reverse complement motif
Consensus sequence: WBHHHHHMDATTGTTHDHDVHH

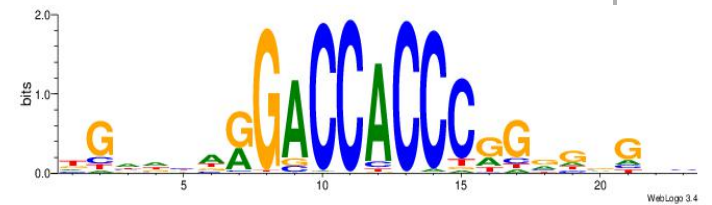
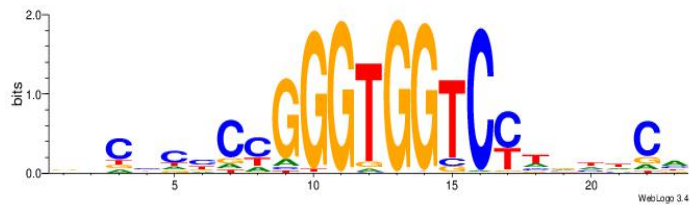


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 17
Similarity score: 0.0477617

Alignment:
HGDHVKHGACCAACCGGBGBGDB
---AGTGCTCCACTGTGDTG---

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH

Reverse complement motif
Consensus sequence: HGDHVKHGACCAACCGGBGBGDB

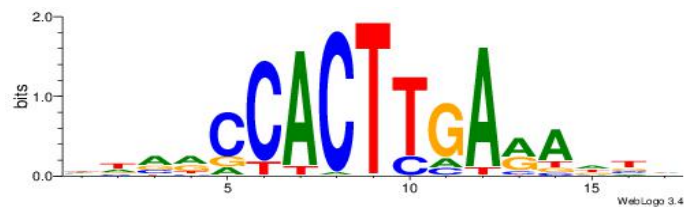


Motif ID: [UP00231](#)
 Motif name: Nkx2-2
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0479423

Alignment:
 HDVRCCACTTGARADB
 CAHCACAGTGGAGCACT

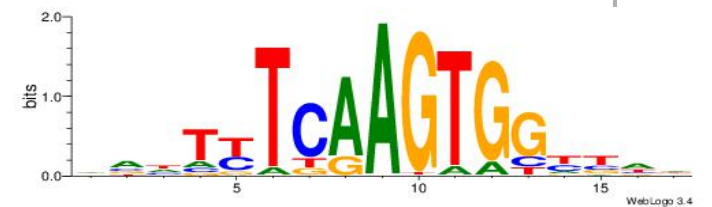
Original motif

Consensus sequence: HDVRCCACTTGARADB



Reverse complement motif

Consensus sequence: DVDTKTCAAGTGGKBDH



Motif ID: [UP00528](#)
 Motif name: Foxm1_primary

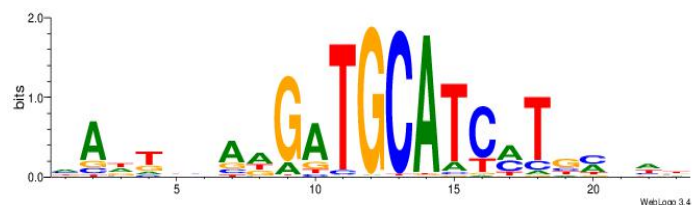
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 17
 Similarity score: 0.0484681

Alignment:

VHVRCAYGATGCATCDTVVADTH
 -CAHCACAGTGGAGCACT-----

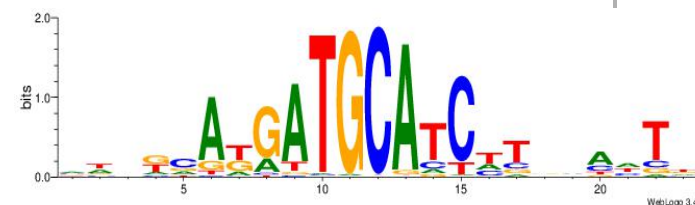
Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB



Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH



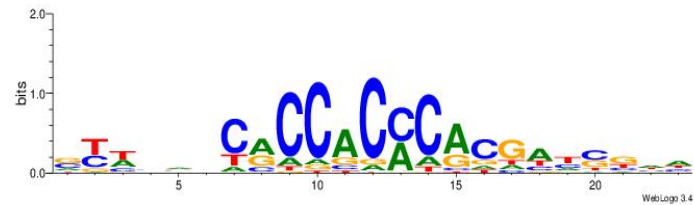
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0487437

Alignment:

HHBSHTCGTGRGTGGKGDBVWMV
AGTGCTCCACTGTGDTG-----

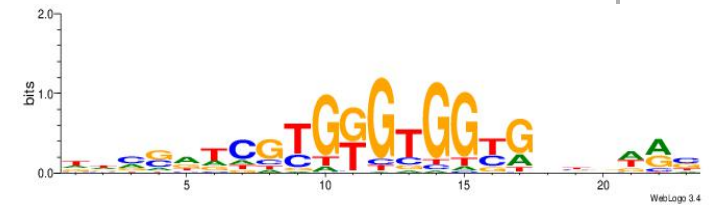
Original motif

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:	Backward
Position number:	1
Number of overlap:	17
Similarity score:	0.048891

Alignment:

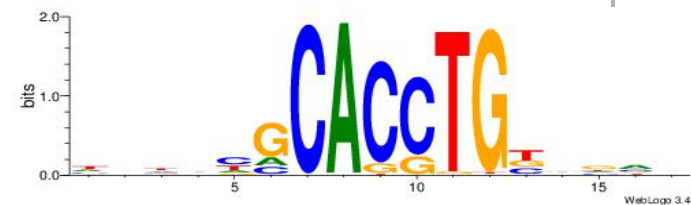
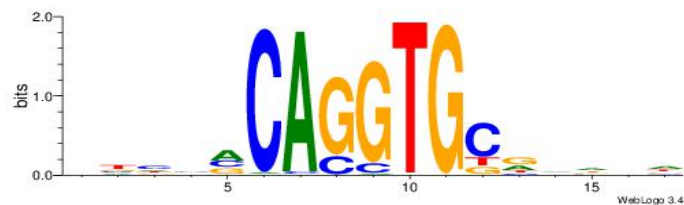
DHDBHGCACCTGBDDVB
AGTGCTCCACTGTGDTG

Original motif

Consensus sequence: VBHHVCAGGTGCDVDHD

Reverse complement motif

Consensus sequence: DHDBHGCACCTGBDDVB

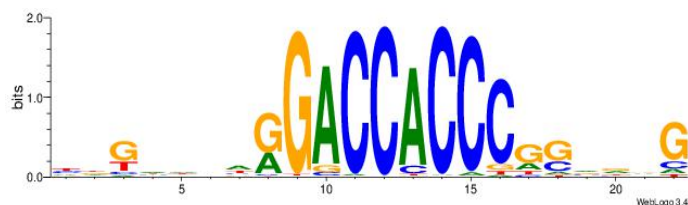


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 17
 Similarity score: 0.0491352

Alignment:
 CVHBSCGGGTGGTCMHVHHCDH
 -CAHCACAGTGGAGCACT-----

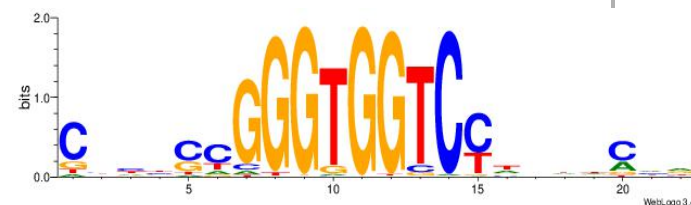
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH

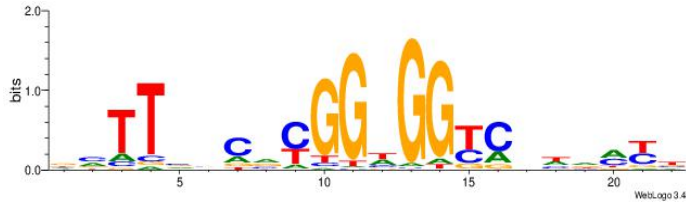


Motif ID: [UP00540](#)

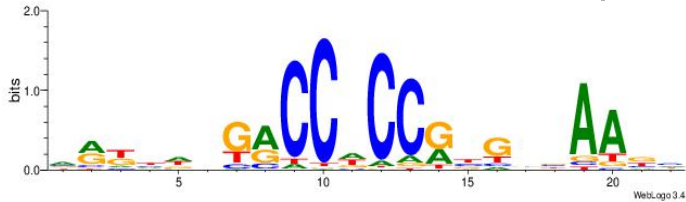
Motif name: Gli3_v015681_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 17
Similarity score: 0.0515016

Alignment:
DVTTVVCVYGGHGGYCHHDMYB
---CAHCACAGTGGAGCACT--

Original motif
Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



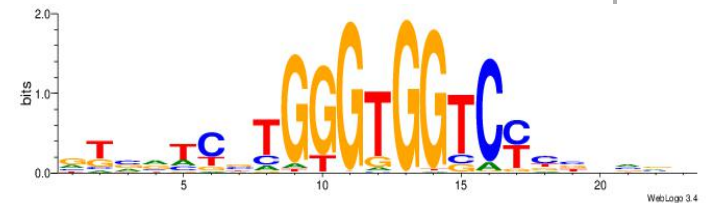
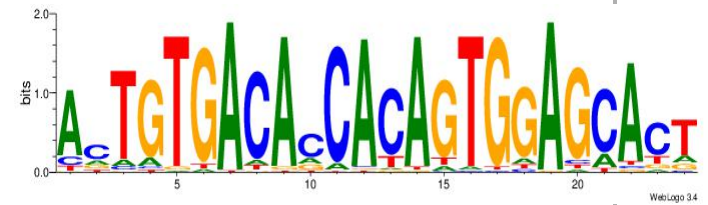
Reverse complement motif
Consensus sequence: VMYDHDGMCCCHCKKBGVVAHVH



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

Original motif
Consensus sequence: AGTGCTCCACTGTGGTGTACAGT

Reverse complement motif
Consensus sequence: ACTGTGACACCACAGTGGAGCACT



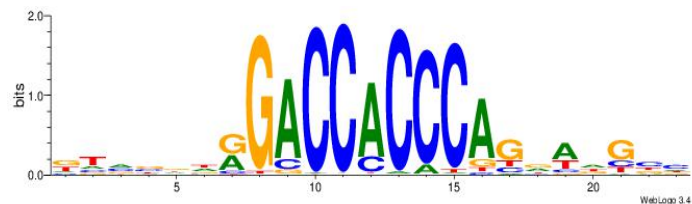
Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 21
 Similarity score: 1.0488

Alignment:

---DBCDWHCTGGGTGGTCMDHBBAH
 AGTGCTCCACTGTGGTGTACAGT--

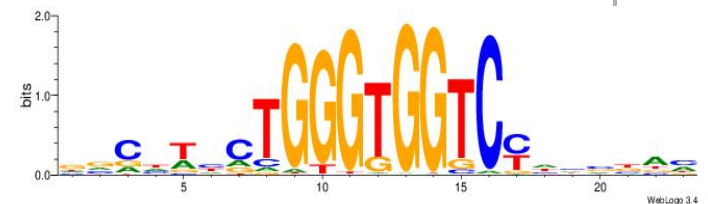
Original motif

Consensus sequence: DTVBDDRGACCAACCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



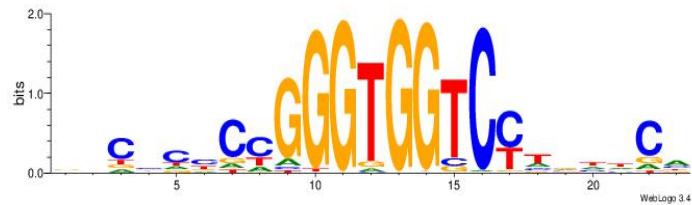
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 21
 Similarity score: 1.05087

Alignment:

---HGDHVKHKGACCAACCGGBGBGDB
ACTGTGACACCACAGTGGAGCACT---

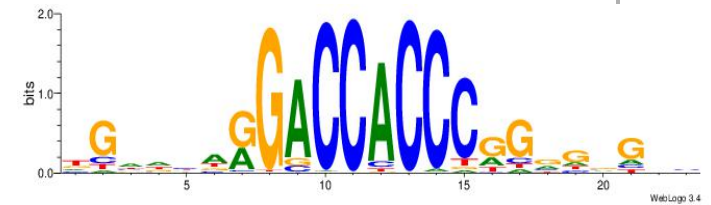
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVKHKGACCAACCGGBGBGDB



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:

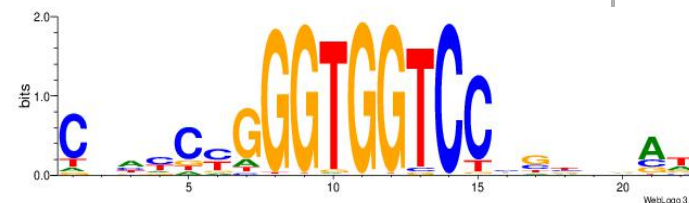
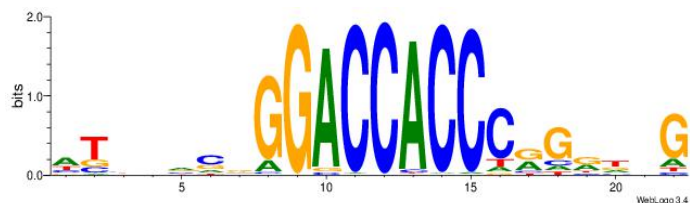
CBDMCMGGGTGGTCCHVBVBAH-----
-----ACTGTGACACCACAGTGGAGCACT

Original motif

Consensus sequence: HTBVVDGGACCAACCRGRDBG

Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



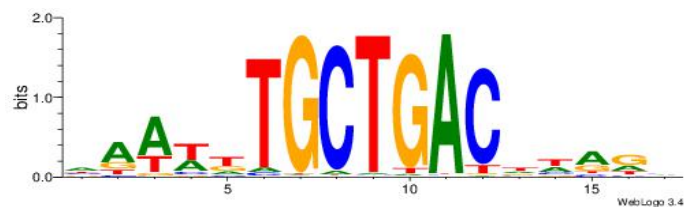
Motif ID: [UP00045](#)
 Motif name: Mafb_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 3.0367

Alignment:

-----HAAWDTGCTGACDWARH
 AGTGCTCCACTGTGGTGTACAGT

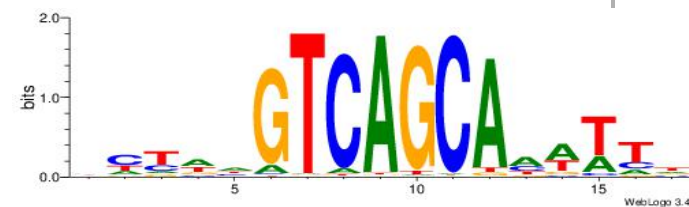
Original motif

Consensus sequence: HAAWDTGCTGACDWARH



Reverse complement motif

Consensus sequence: DMTWDGTCAGCADWTTT



Motif ID: [UP00055](#)

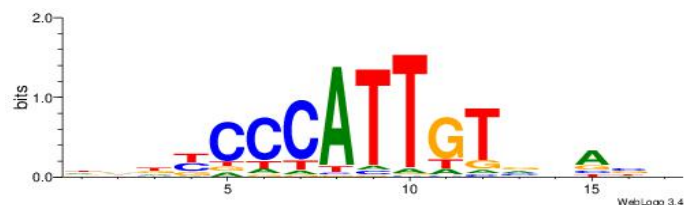
Motif name: Hbp1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 17
 Similarity score: 3.04028

Alignment:

-----DDDYCCCATTGTVHABH
 AGTGCTCCACTGTGGTGTACAGT-----

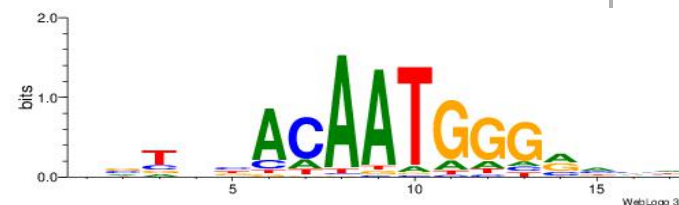
Original motif

Consensus sequence: DDDYCCCATTGTVHABH



Reverse complement motif

Consensus sequence: HBTHVACAATGGGMDHD



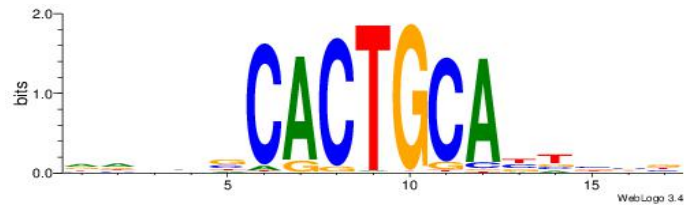
Motif ID: [UP00031](#)
 Motif name: Zbtb3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 3.04347

Alignment:

```
BBBAVTGCAGTGBBVDD-----  
AGTGCTCCACTGTGGTGTCACAGT
```

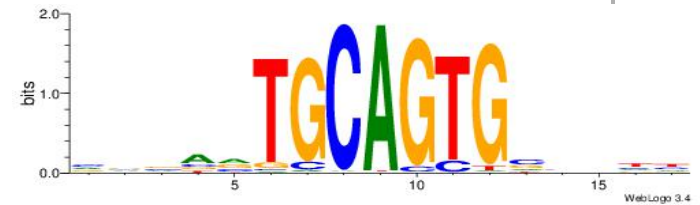
Original motif

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:

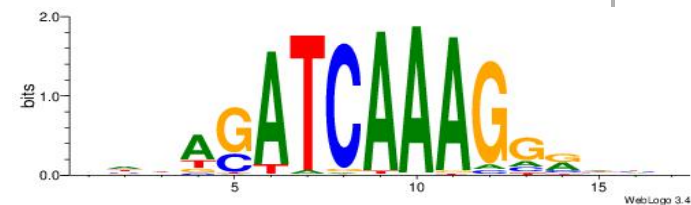
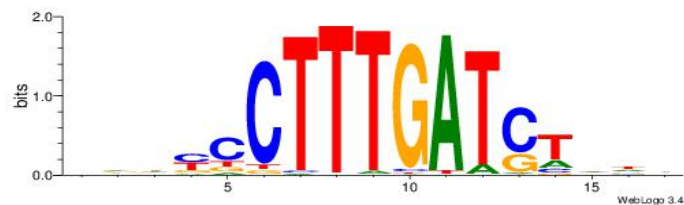
```
VDDAGATCAAAGGKDDD-----  
---ACTGTGACACCACAGTGGAGCACT
```

Original motif

Consensus sequence: DDDYCCTTTGATCTDDV

Reverse complement motif

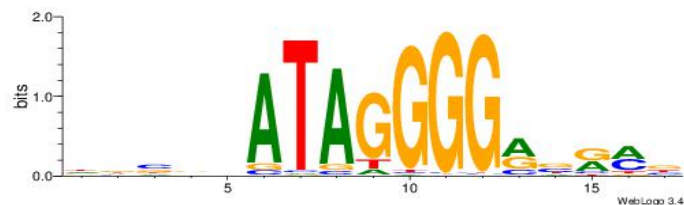
Consensus sequence: VDDAGATCAAAGGKDDD



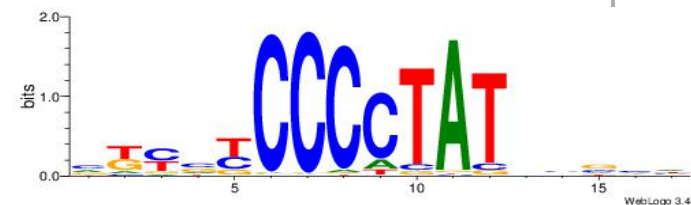
Motif ID: [UP00070](#)
 Motif name: Gcm1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 17
 Similarity score: 3.04663

Alignment:
 -----DDBVHATAGGGGRBRMB
 AGTGCTCCACTGTGGTGTACAGT-----

Original motif
 Consensus sequence: DDBVHATAGGGGRBRMB



Reverse complement motif
 Consensus sequence: BYMBKCCCTATDVBHD



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

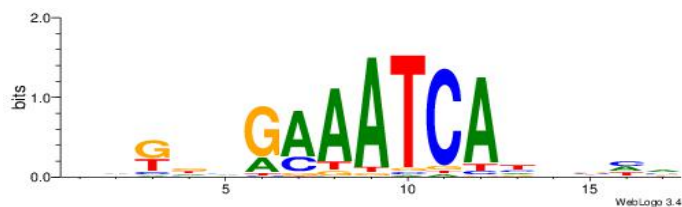
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 3.04907

Alignment:

DDKDHGAAATCAHHBHV-----
 ACTGTGACACCACAGTGGAGCACT

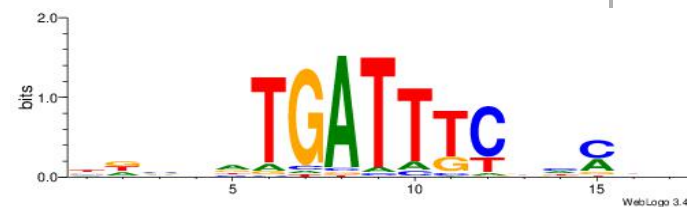
Original motif

Consensus sequence: DDKDHGAAATCAHHBHV



Reverse complement motif

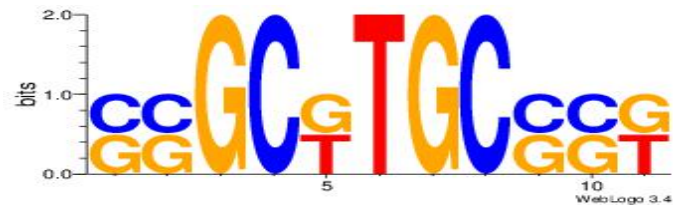
Consensus sequence: BDBDHTGATTTCDHYDD



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)

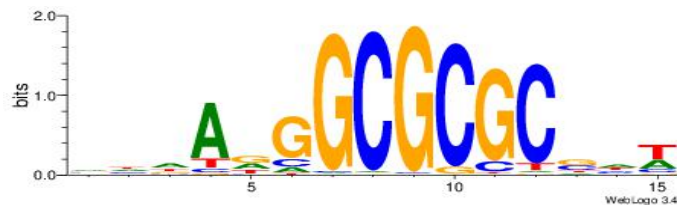
Motif ID: [UP00003](#)
Motif name: E2F3_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 11
Similarity score: 0.00463328

Alignment:

VHDADGGCGCGCSHW
-----SSGCKTGCSSK

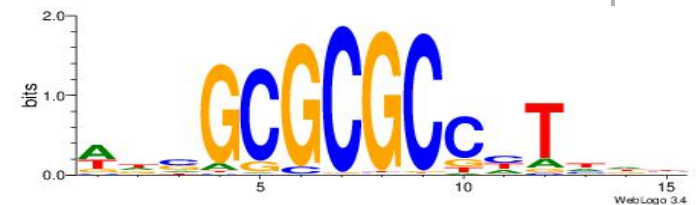
Original motif

Consensus sequence: VHDADGGCGCGCSHW



Reverse complement motif

Consensus sequence: WMSGCGCGCCHTDHB



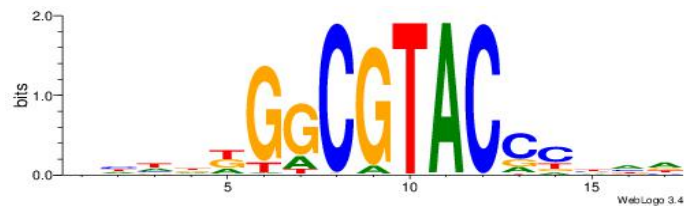
Motif ID: [UP00094](#)
Motif name: Zfp128_primary
Species: Mus musculus
Matching format of first motif: Original Motif

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

Alignment:
 BHHDKGGCGTACCCBHD
 ----SSGCKTGCSSK--

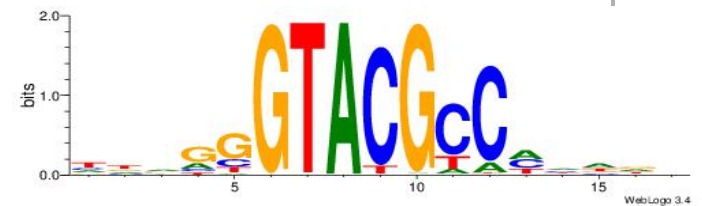
Original motif

Consensus sequence: BHHDKGGCGTACCCBHD



Reverse complement motif

Consensus sequence: DHVGGGTACGCCRDHDV



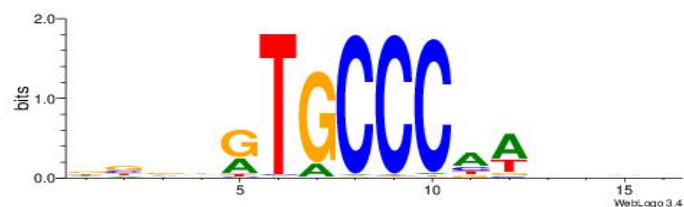
Motif ID:	UP00035
Motif name:	Hic1_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	6
Number of overlap:	11
Similarity score:	0.00562779

Alignment:

VHHDWTGGGCAMDHBH
-----YSSGCAYGCSS

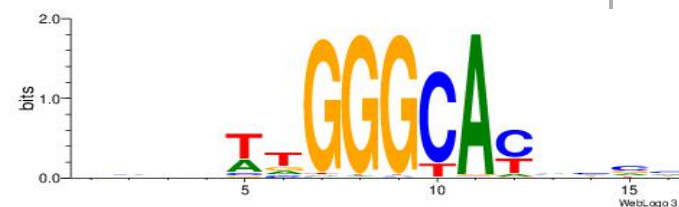
Original motif

Consensus sequence: DBDDRTGCCCCAWDHDV



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:

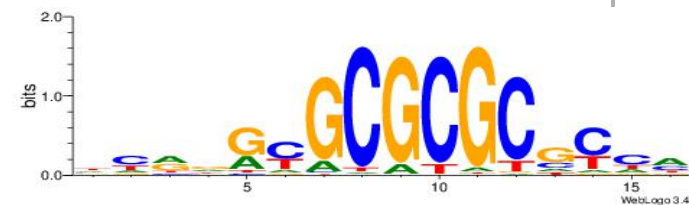
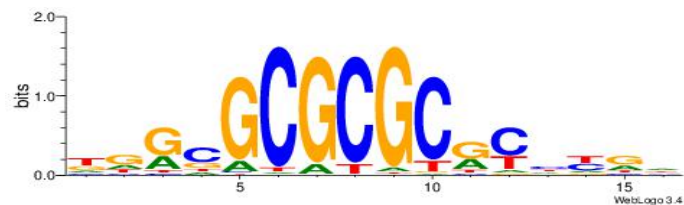
DDGCGCGCGCRCHYRD
--SSGCKTGCSSK---

Original motif

Consensus sequence: DDGCGCGCGCRCHYRD

Reverse complement motif

Consensus sequence: DMMDGMGCGCGCGCHD

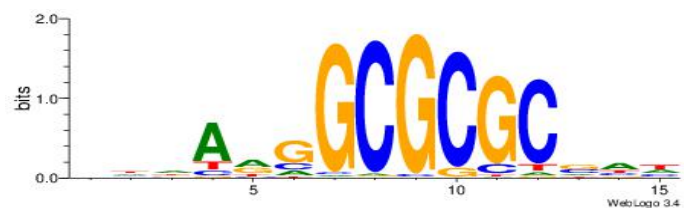


Motif ID: [UP00001](#)
 Motif name: E2F2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.00821725

Alignment:
 HHVGCGCGCCKTDHB
 -SSGCKTGCSSK---

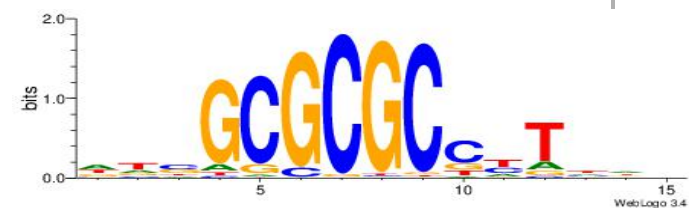
Original motif

Consensus sequence: VHDARGGCGCGCVHH



Reverse complement motif

Consensus sequence: HHVGCGCGCCKTDHB



Motif ID: [UP00060](#)

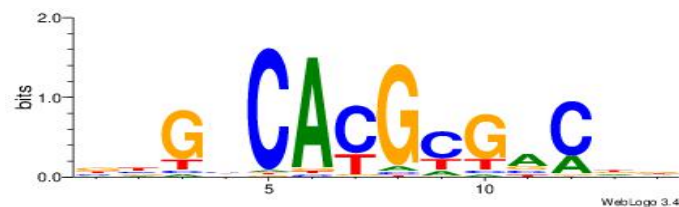
Motif name:	Max_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	11
Similarity score:	0.0109259

Alignment:

```
BBGHCACGCGACDD
---SSGCKTGCSSK
```

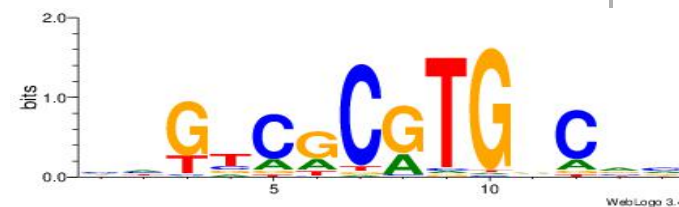
Original motif

Consensus sequence: BBGHCACGCGACDD



Reverse complement motif

Consensus sequence: HDGTCGCGTGDCVB



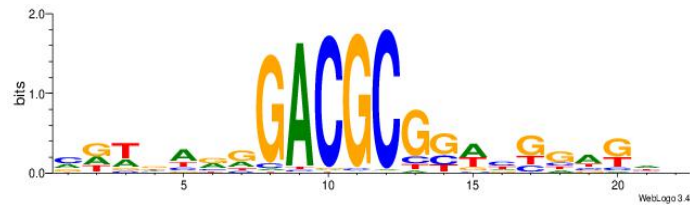
Motif ID:	UP00527
Motif name:	Foxn4_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	9
Number of overlap:	11
Similarity score:	0.0150199

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
-----SSGCKTGCSSK---

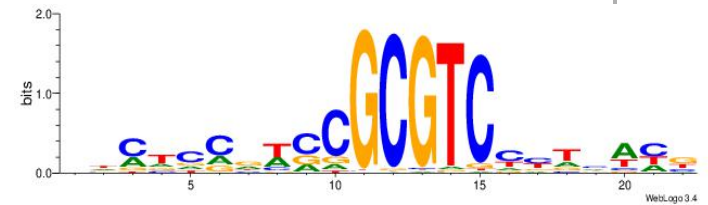
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



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:

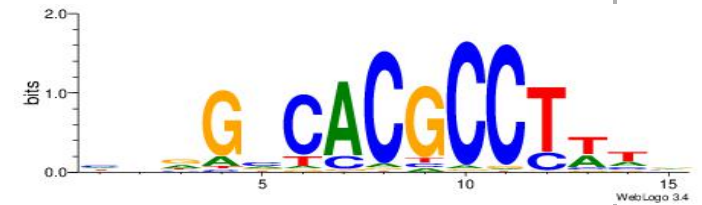
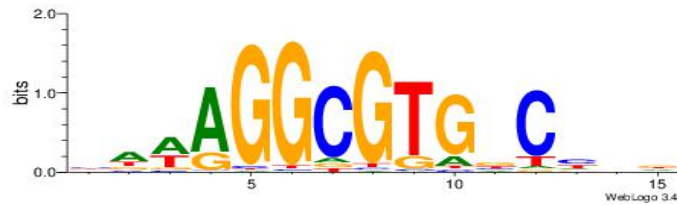
HHDGBCACGCCTWDB
-YSSGCAYGCSS---

Original motif

Consensus sequence: BDWAGGCGTGBCHHHD

Reverse complement motif

Consensus sequence: HHDGBCACGCCTWDB



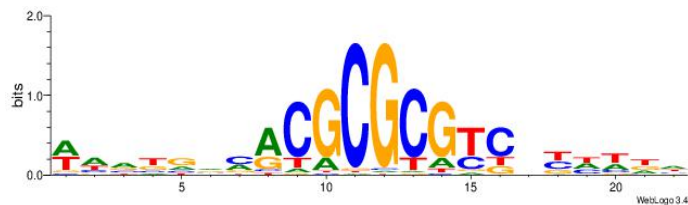
Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0171602

Alignment:

HDWHMHGACGCGCGTRBVVBHW
 -----SSGCKTGCSSK--

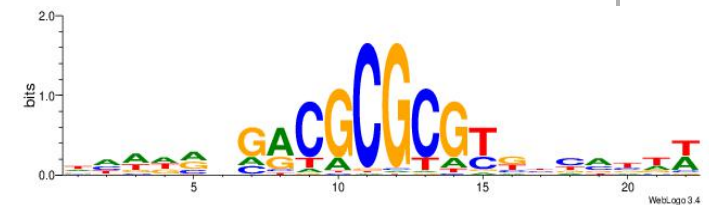
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW

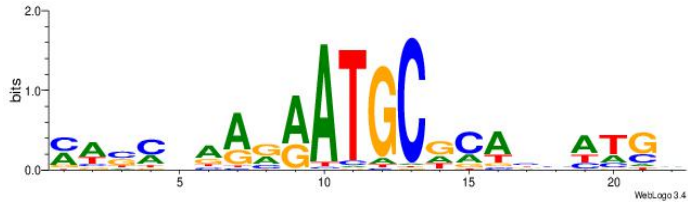


Motif ID: [UP00528](#)

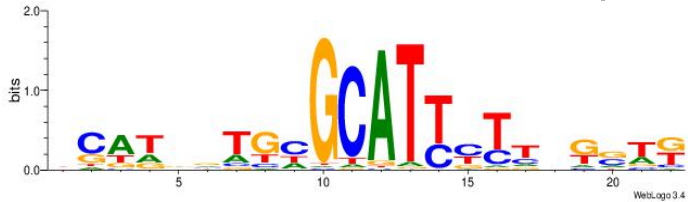
Motif name: Foxm1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 7
Number of overlap: 11
Similarity score: 0.0172713

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



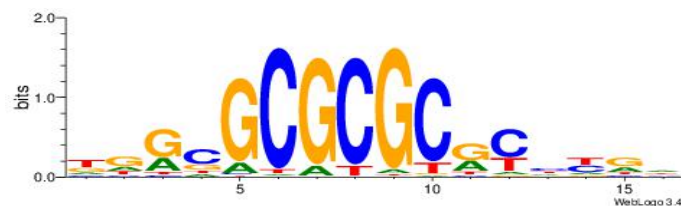
Best Matches for Motif ID 79 (Highest to Lowest)

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--

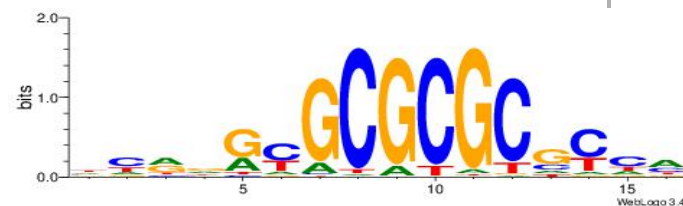
Original motif

Consensus sequence: DDGCGCGCGCRCHYRD



Reverse complement motif

Consensus sequence: DMMDGMGCGCGCGCHD



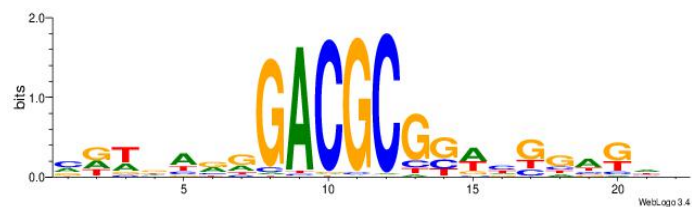
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 9
 Number of overlap: 11
 Similarity score: 0.024575

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
 ---CGTGKCCGCGG-----

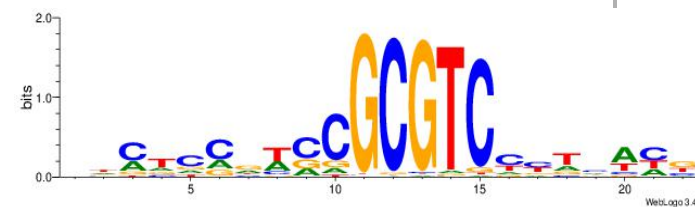
Original motif

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: Backward
 Position number: 4

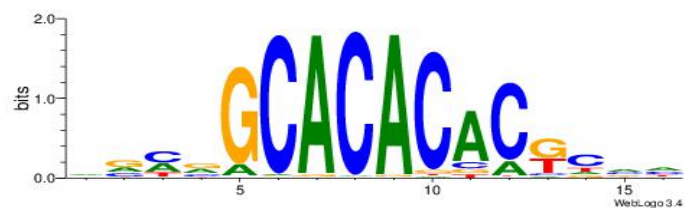
Number of overlap: 11
Similarity score: 0.0279366

Alignment:

DVMVGCACACACKCVH
--CCGCGGRCACG---

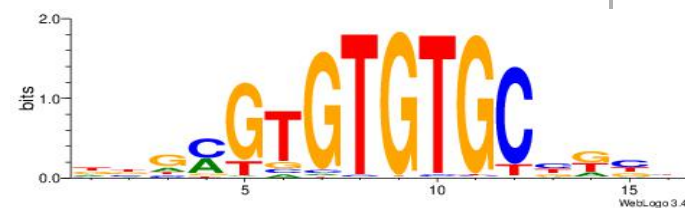
Original motif

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

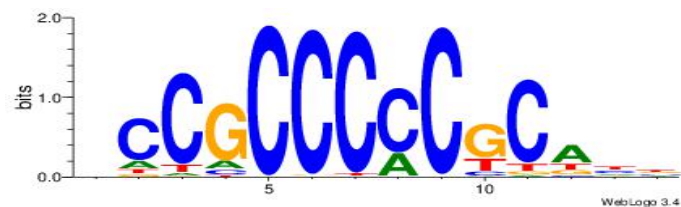
Alignment:

VHTGCGGGGGCGGH
-CCGCGGRCACG--

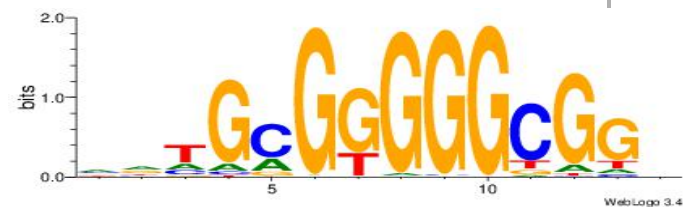
Original motif

Reverse complement motif

Consensus sequence: HCCGCCCCCGCAHB



Consensus sequence: VHTGCGGGGGCGGH



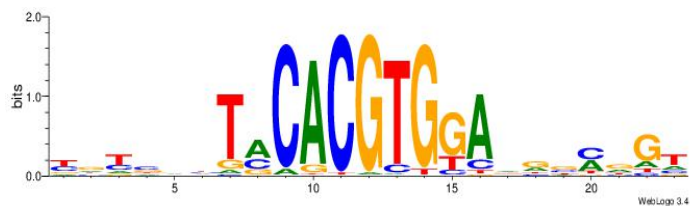
Motif ID: [UP00050](#)
Motif name: Bhlhb2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 11
Similarity score: 0.0335378

Alignment:

```
ACHRBHDTCCACGTGYAHBMMH  
-----CCGCGGRCACG-----
```

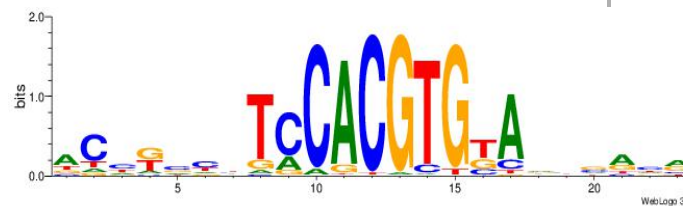
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHBMMH



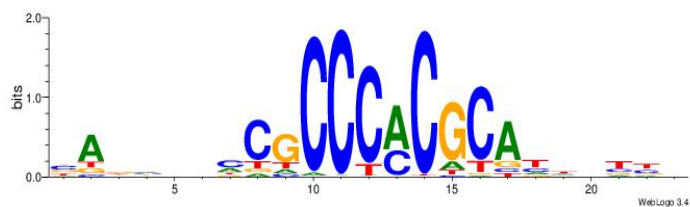
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0340428

Alignment:

VVVDHHTGCGYGGGCGDHSVHHTB
 -----CCGCGGRCACG-----

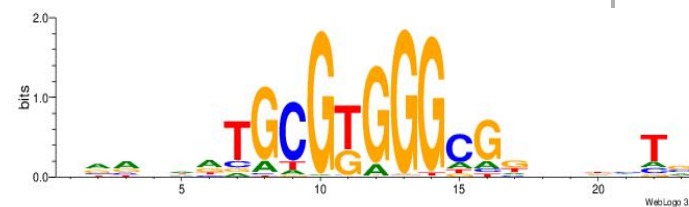
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB

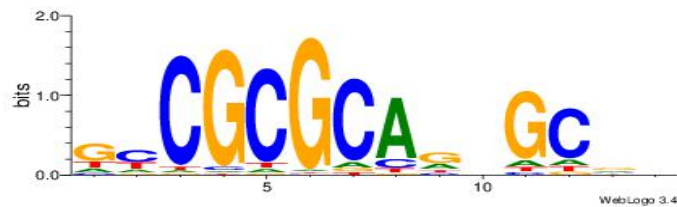


Motif ID: [UP00065](#)
 Motif name: Zfp161_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2

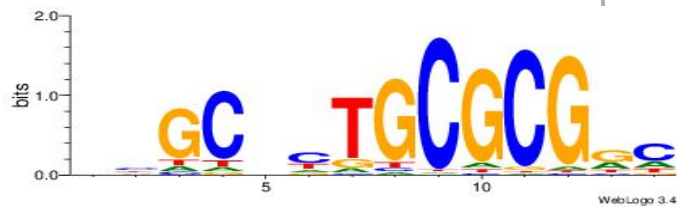
Number of overlap: 11
Similarity score: 0.0345855

Alignment:
GYCGCGCARBGCVB
-CCGCGGRCACG--

Original motif
Consensus sequence: GYCGCGCARBGCVB



Reverse complement motif
Consensus sequence: VVGCVMTGCGCGKC



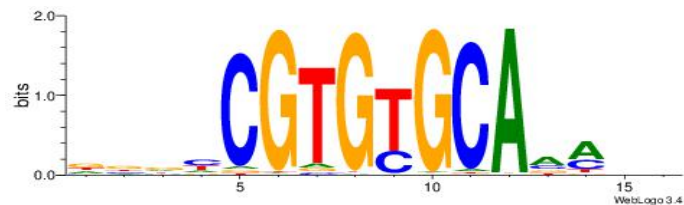
Motif ID: [UP00097](#)
Motif name: Mtf1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.0350434

Alignment:
DBDHCGTGTGCAAMDH
---CCGCGGRCACG--

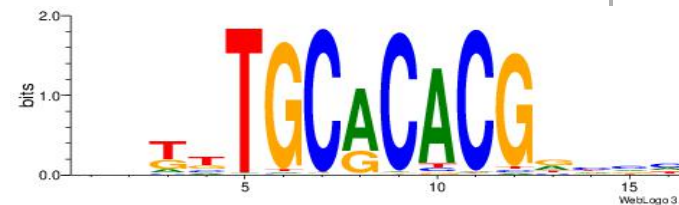
Original motif

Reverse complement motif

Consensus sequence: DBDHCGTGTGCAAMDH



Consensus sequence: HDYTTGCACACGDHBBH



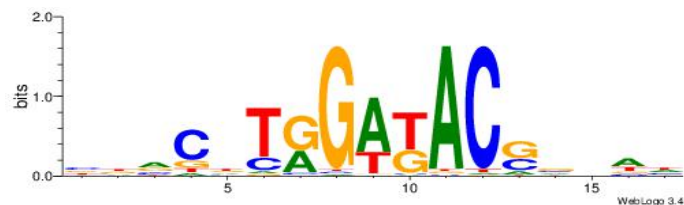
Motif ID: [UP00076](#)
Motif name: Rfxdc2_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.0359928

Alignment:

HDDVSGTRTCMADGBVB
----CGTGKCCGCGG--

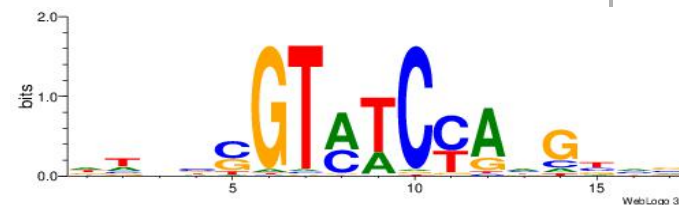
Original motif

Consensus sequence: BBVCDTRGAKACSVDDH



Reverse complement motif

Consensus sequence: HDDVSGTRTCMADGBVB



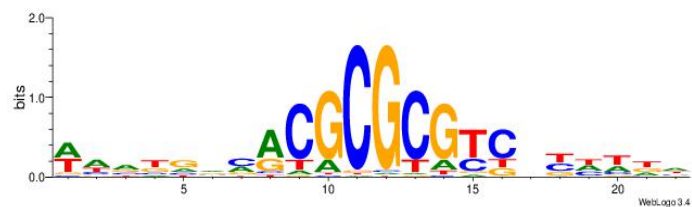
Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0361963

Alignment:

HDWHMHGACGCGCGTRBVBHW
 -----CCGCGGRCACG--

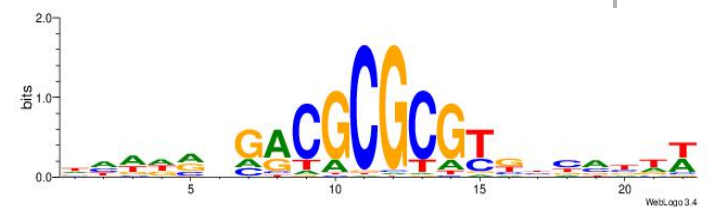
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVBHW



Dataset #: 4 Motif ID: 80 Motif name: taaacgatgcc

Original motif

Consensus sequence: TAAACGATGCC

Reverse complement motif

Consensus sequence: GGCATCGTTTA



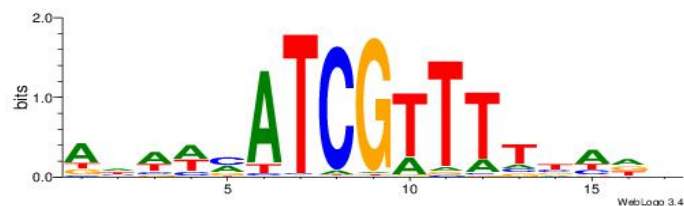
Best Matches for Motif ID 80 (Highest to Lowest)

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--

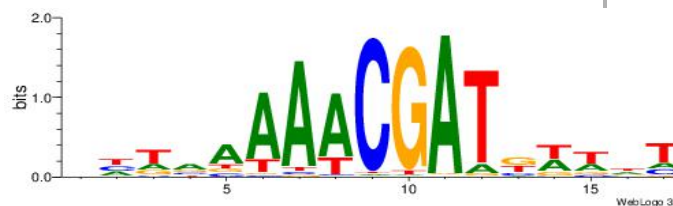
Original motif

Consensus sequence: AHWWMATCGTTTTBADD



Reverse complement motif

Consensus sequence: HDTVAAAACGATRWWHT



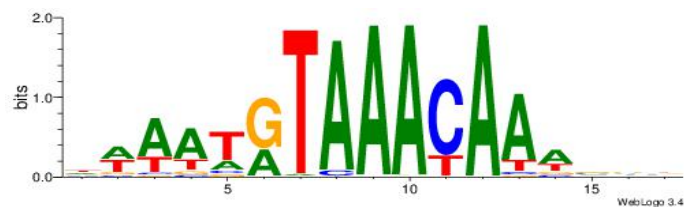
Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0294316

Alignment:

VVVWTTGTTTAMATTWD
 GGCATCGTTTA-----

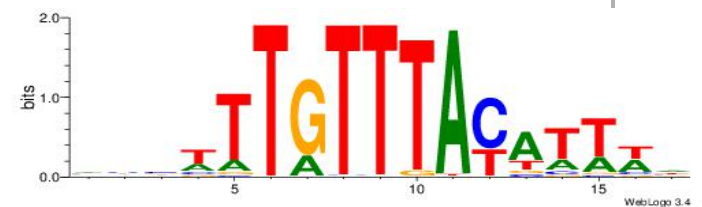
Original motif

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

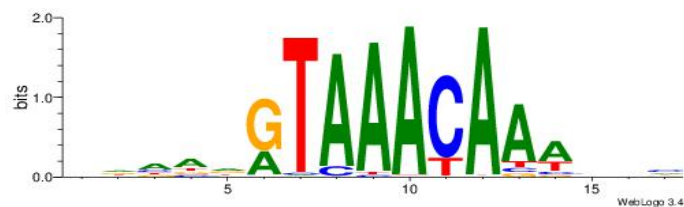
Number of overlap: 11
Similarity score: 0.030091

Alignment:

HDHADGTAAACAAAVVH
-----TAAACGATGCC

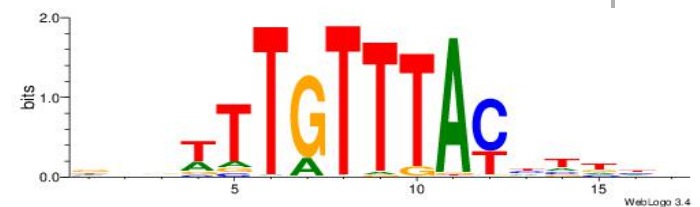
Original motif

Consensus sequence: HDHADGTAAACAAAVVH



Reverse complement motif

Consensus sequence: DVVTTTGTTTACDTHDH



Motif ID: [UP00025](#)
Motif name: Foxk1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 7
Number of overlap: 11
Similarity score: 0.0306614

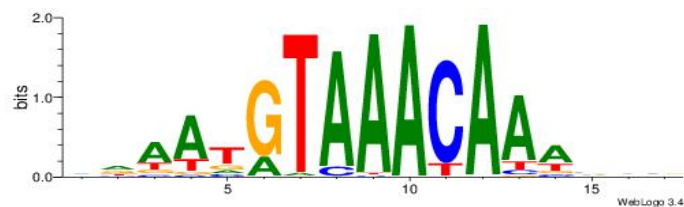
Alignment:

BBVTTTGTTTACATDD
GGCATCGTTTA-----

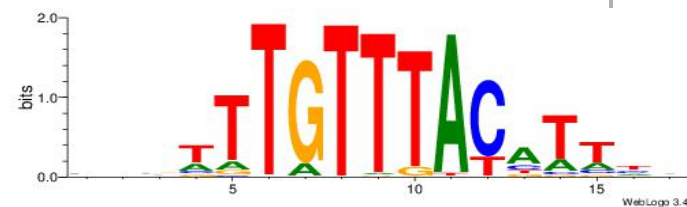
Original motif

Reverse complement motif

Consensus sequence: DDAATGTAAACAAVVB



Consensus sequence: BBVTTTGTTCATTDD



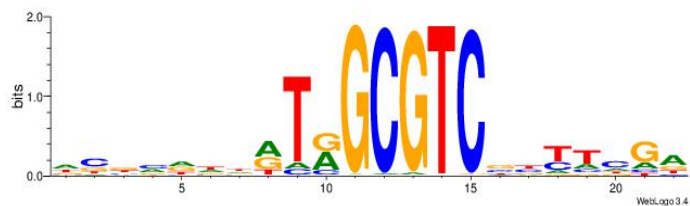
Motif ID: [UP00527](#)
Motif name: Foxn4_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 10
Number of overlap: 11
Similarity score: 0.0342477

Alignment:

```
DBBVDDDRTRGCGTCBBYTHGA  
-----GGCATCGTTTA--
```

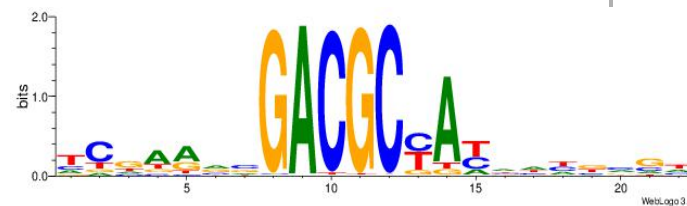
Original motif

Consensus sequence: DBBVDDDRTRGCGTCBBYTHGA



Reverse complement motif

Consensus sequence: TCDAMVBGACGCMKDDDVBBDD



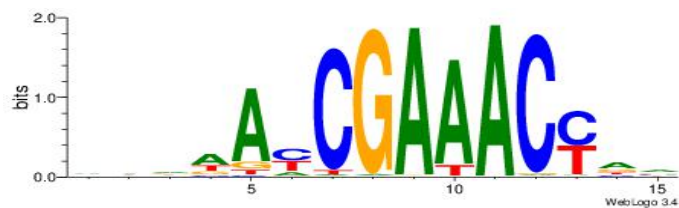
Motif ID: [UP00040](#)
 Motif name: Irf5_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0345017

Alignment:

BDKGTTTCGKTWDDD
 --GGCATCGTTTA--

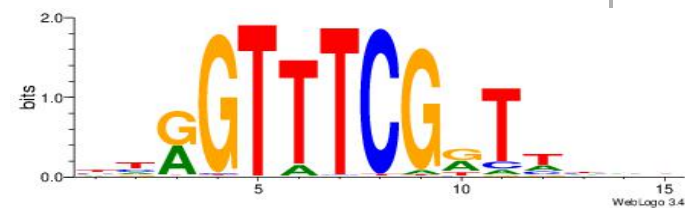
Original motif

Consensus sequence: DDDWAYCGAAACYDV



Reverse complement motif

Consensus sequence: BDKGTTTCGKTWDDD



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

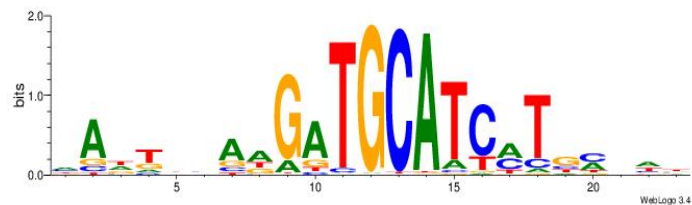
Number of overlap: 11
Similarity score: 0.0351616

Alignment:

VHVRCAYGATGCATCDTVVADTH
--TAAACGATGCC-----

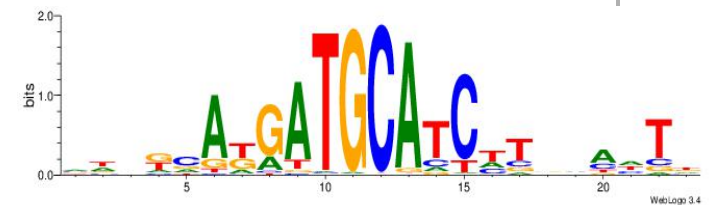
Original motif

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

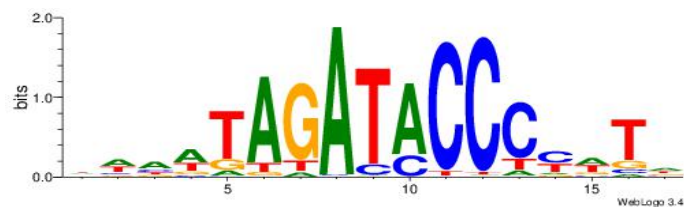
Alignment:

DAWKGGGTATCTAWHWH
-----GGCATCGTTTA-

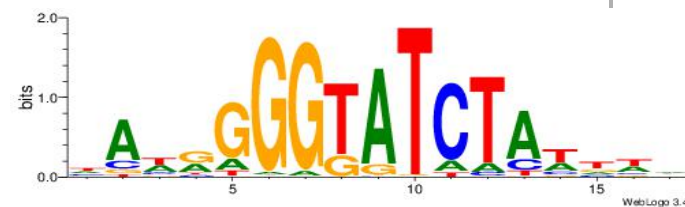
Original motif

Reverse complement motif

Consensus sequence: HWHWTAGATACCCYWTD



Consensus sequence: DAWKGGGTATCTAWHWH



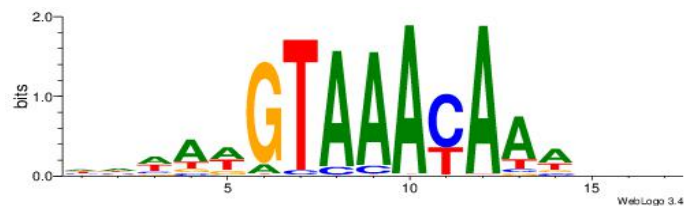
Motif ID: [UP00073](#)
Motif name: Foxa2_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 7
Number of overlap: 11
Similarity score: 0.0384798

Alignment:

BDVTTTKTTTACWTWHH
GGCATCGTTTA-----

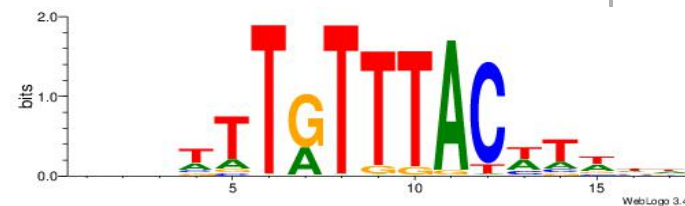
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



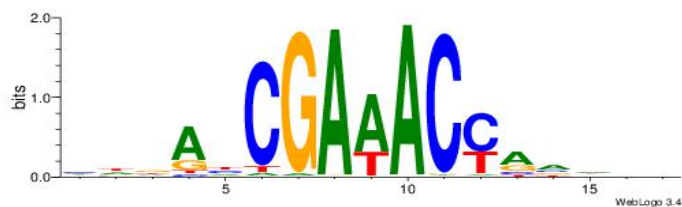
Motif ID: [UP00011](#)
 Motif name: Irf6_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0388532

Alignment:

DHDBTKGTTTCGHTHDD
 -----GGCATCGTTTA-

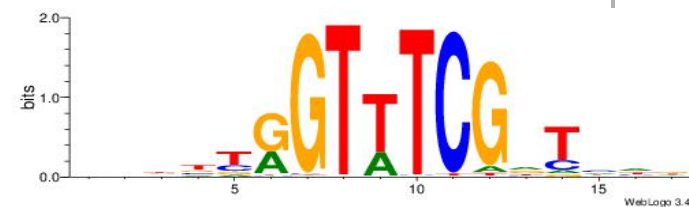
Original motif

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)

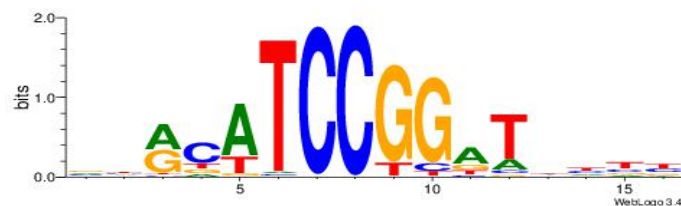
Motif ID: [UP00038](#)
 Motif name: Spdef_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.027939

Alignment:

VVHHATCCGGATGKHV
 --CTATACGGACG--

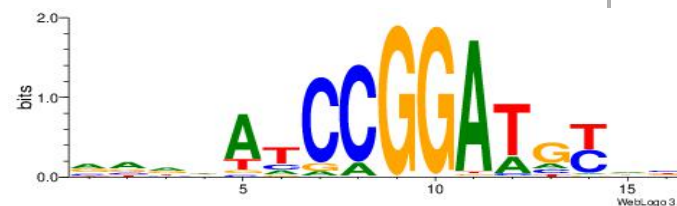
Original motif

Consensus sequence: VHRCATCCGGATHHBB



Reverse complement motif

Consensus sequence: VVHHATCCGGATGKHV



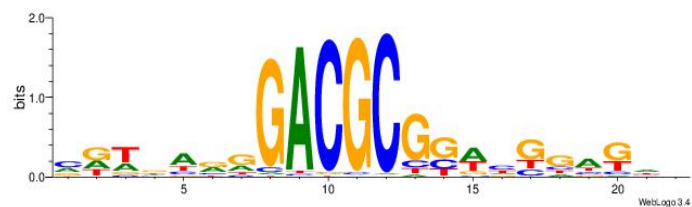
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0308121

Alignment:

VDWDARRGACGCGGWHGGAKHV
 CTATACGGACG-----

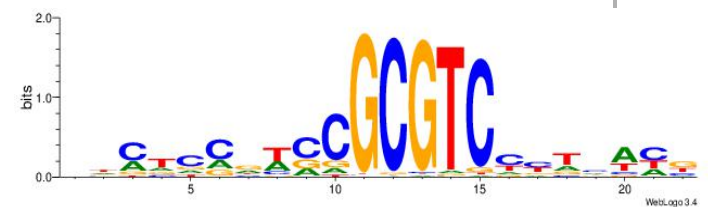
Original motif

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

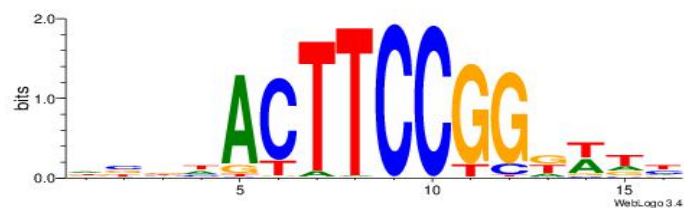
Number of overlap: 11
Similarity score: 0.0328673

Alignment:

HAWYCCGGAAGTHBBD
CTATACGGACG-----

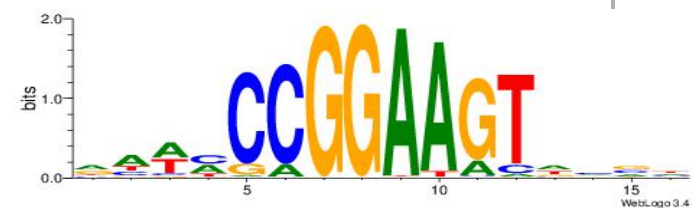
Original motif

Consensus sequence: 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: Original Motif
Direction: Forward
Position number: 7
Number of overlap: 11
Similarity score: 0.0334005

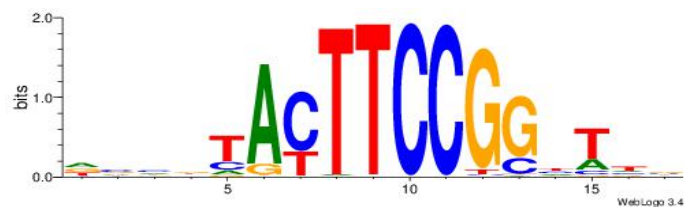
Alignment:

DVHBTACTTCCGGHTHB
-----CGTCCGTATAG

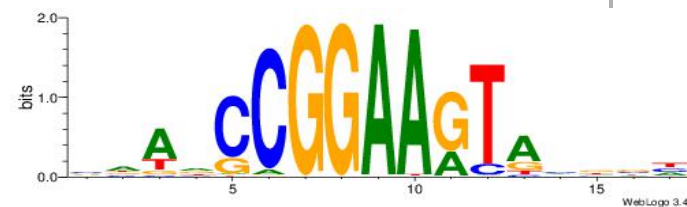
Original motif

Reverse complement motif

Consensus sequence: DVHBTACTTCCGGHTHB



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

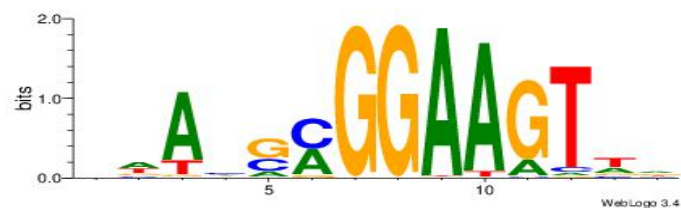
Alignment:

BWAHSMGGAAGTWD

CTATACGGACG---

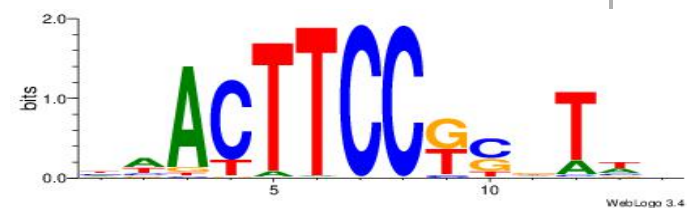
Original motif

Consensus sequence: BWAHSMGGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRSDTWV



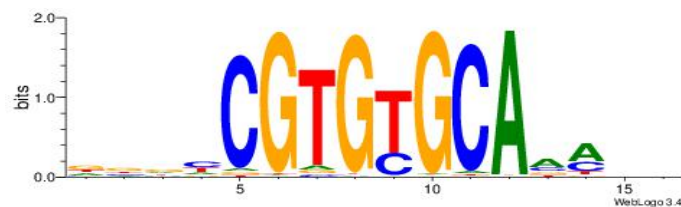
Motif ID: [UP00097](#)
 Motif name: Mtf1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0346533

Alignment:

DBDHCGTGTGCAAMDH
 ----CGTCCGTATAG--

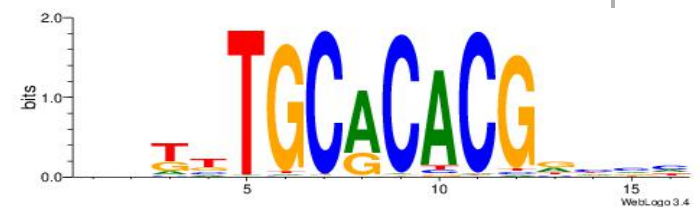
Original motif

Consensus sequence: DBDHCGTGTGCAAMDH



Reverse complement motif

Consensus sequence: HDYTTGCACACGDHBD



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

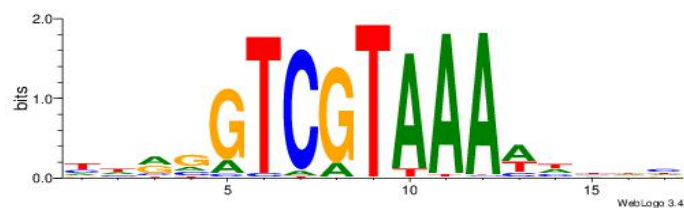
Number of overlap: 11
Similarity score: 0.0360998

Alignment:

DDVHWTTTACGACCKHH
----CTATACGGACG--

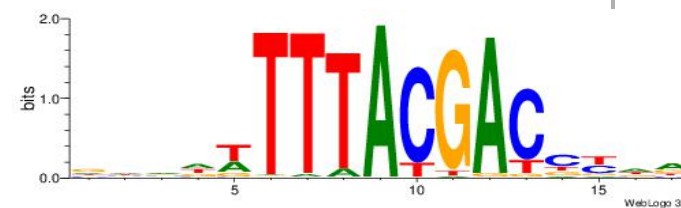
Original motif

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

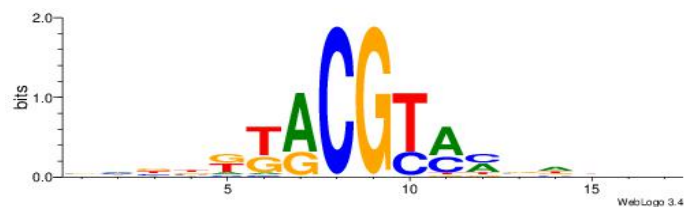
Alignment:

BVVDVRYACGTRYVBHB
----CGTCCGTATAG--

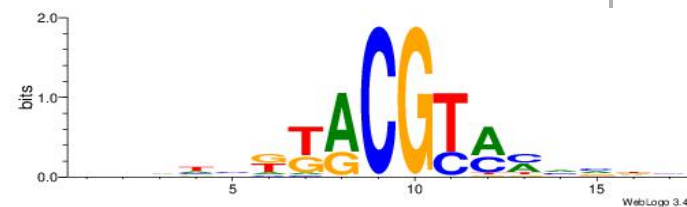
Original motif

Reverse complement motif

Consensus sequence: BHBBKKACGTMMVDBVB



Consensus sequence: BVVDVRYACGTRYVBHB



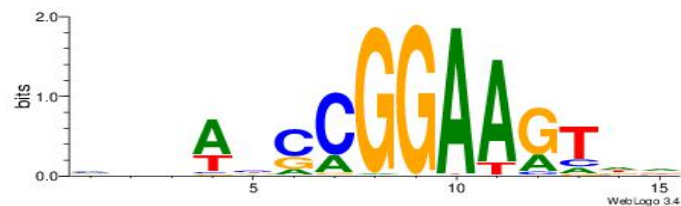
Motif ID: [UP00015](#)
Motif name: Ehf_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 11
Similarity score: 0.0367131

Alignment:

VBDABCCGGAAGTDD
-CTATACGGACG---

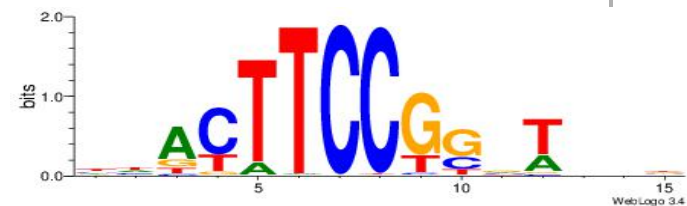
Original motif

Consensus sequence: VBDABCCGGAAGTDD



Reverse complement motif

Consensus sequence: DDACTTCCGGBTHBB



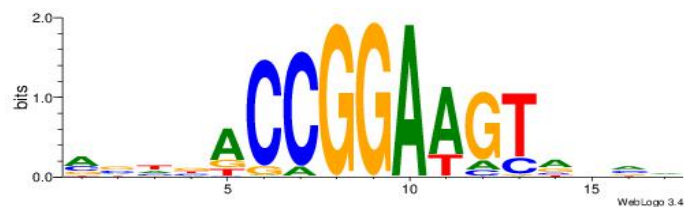
Motif ID: [UP00421](#)
 Motif name: Etv1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0373

Alignment:

HBDBACTTCCGGTBHVY
 -----CGTCCGTATAG-

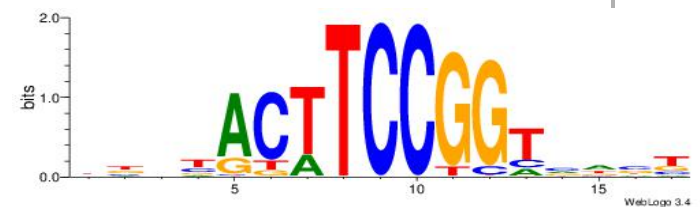
Original motif

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



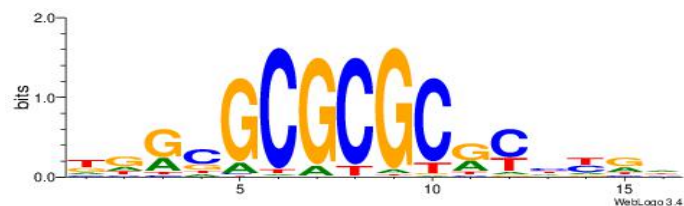
Best Matches for Motif ID 82 (Highest to Lowest)

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-----

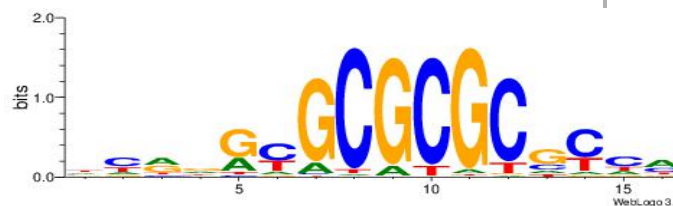
Original motif

Consensus sequence: DDGCGCGCGCRCHYRD



Reverse complement motif

Consensus sequence: DMM DGM GCGCGCGCHD



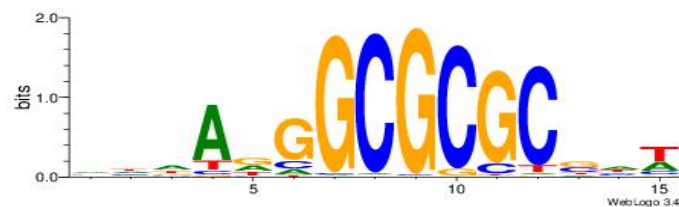
Motif ID: [UP00003](#)
 Motif name: E2F3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0102009

Alignment:

W H S G C G C G C C H T D H B
 C G C G S G C G C G C - - - -

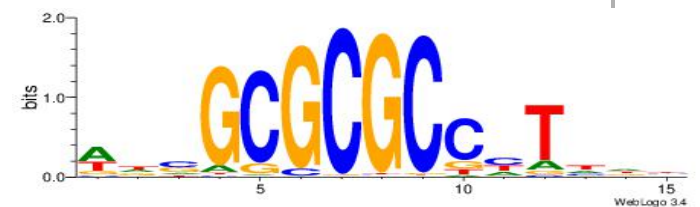
Original motif

Consensus sequence: VHDADGGCGCGCSHW



Reverse complement motif

Consensus sequence: W H S G C G C G C C H T D H B



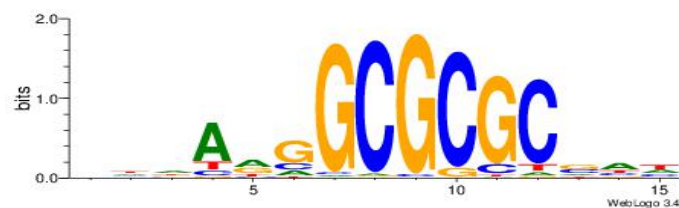
Motif ID: [UP00001](#)
 Motif name: E2F2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1

Number of overlap: 11
Similarity score: 0.0124455

Alignment:
HHVGC GCGCCKTDHB
CGCGSGCGCGC-----

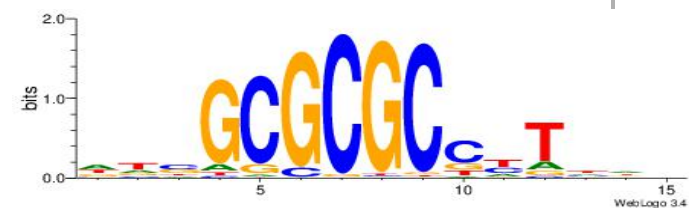
Original motif

Consensus sequence: VHDARGGCGCGCVHH



Reverse complement motif

Consensus sequence: HHVGC GCGCCKTDHB



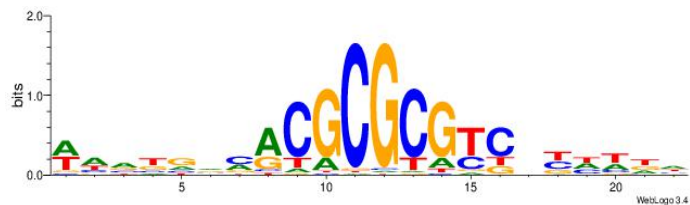
Motif ID: [UP00526](#)
Motif name: Foxn1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 8
Number of overlap: 11
Similarity score: 0.0192204

Alignment:
WHVBVVMACGCGCGTCDYHWDH
-----CGCGSGCGCGC-----

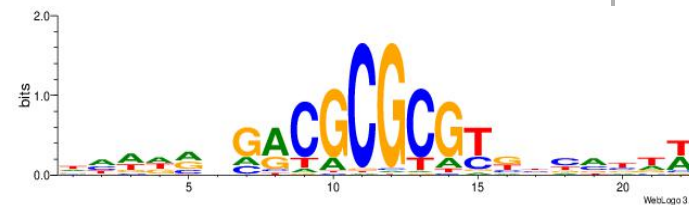
Original motif

Reverse complement motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



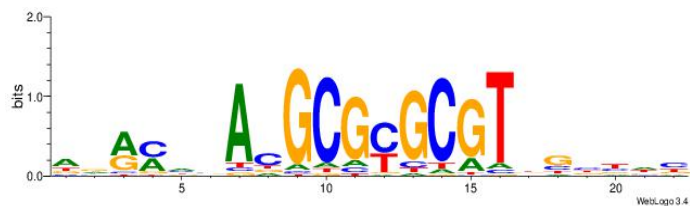
Motif ID: [UP00526](#)
Motif name: Foxn1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 8
Number of overlap: 11
Similarity score: 0.0231982

Alignment:

```
DDRMHBACGCGYGCGTDGBBDB  
-----CGCGSGCGCGC-----
```

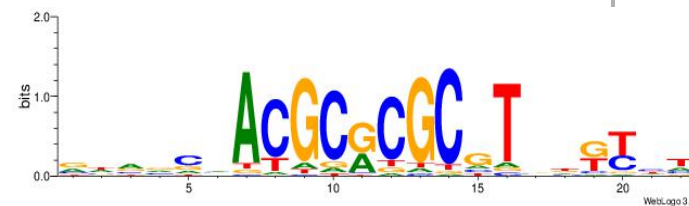
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



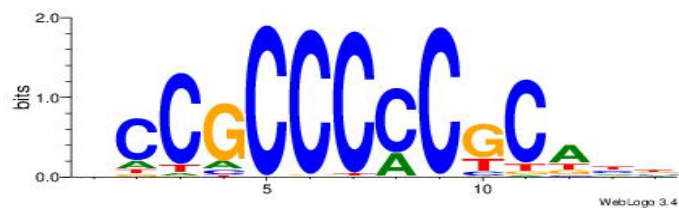
Motif ID: [UP00007](#)
 Motif name: Egr1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0289369

Alignment:

HCCGCCCCCGCAHB
 -GCGCGCSCGCG--

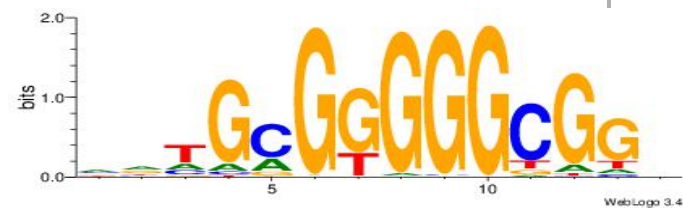
Original motif

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

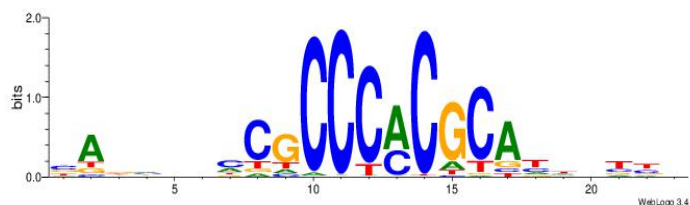
Number of overlap: 11
Similarity score: 0.0297254

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
-----GCGCGCSCGCG-----

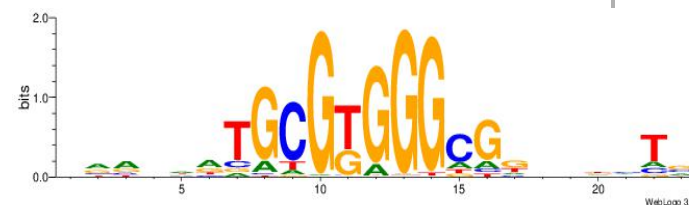
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



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: Backward
Position number: 5
Number of overlap: 11
Similarity score: 0.0316913

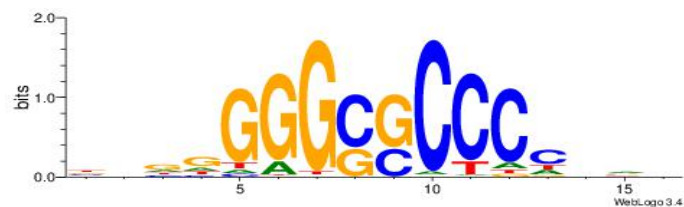
Alignment:

BHDGGGGSSCCCCBVV
-CGCGSGCGCGC----

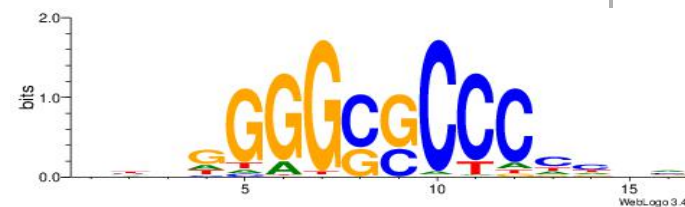
Original motif

Reverse complement motif

Consensus sequence: BHDGGGGSSCCCCBVV



Consensus sequence: VBVGGGGSSCCCCHHV



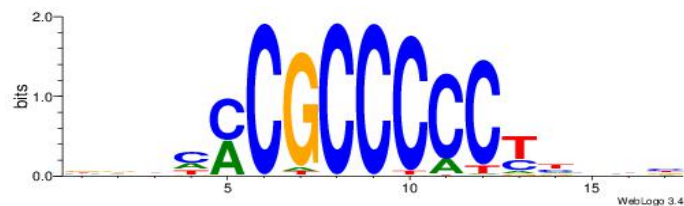
Motif ID: [UP00002](#)
Motif name: Sp4_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.0323627

Alignment:

BVVHAGGGGGCGRDHBB
-----CGCGSGCGCGC--

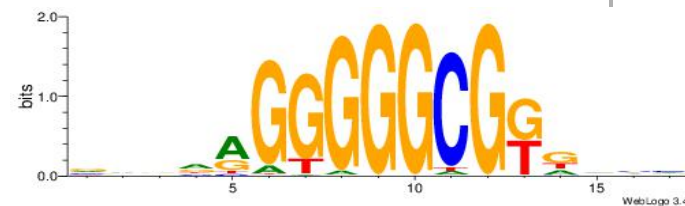
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHBB



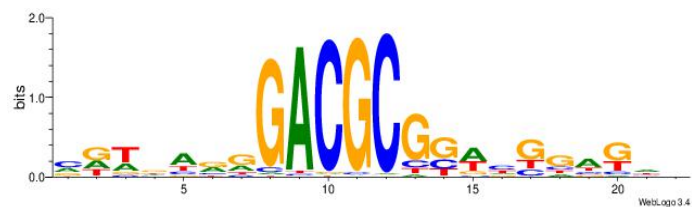
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.039112

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
 -----CGCGSGCGCGC-----

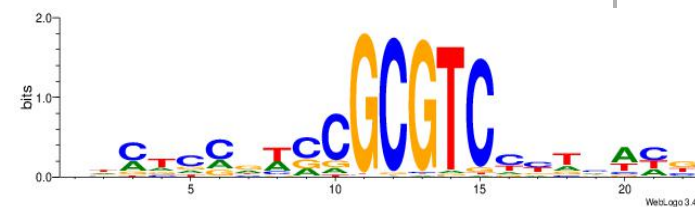
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



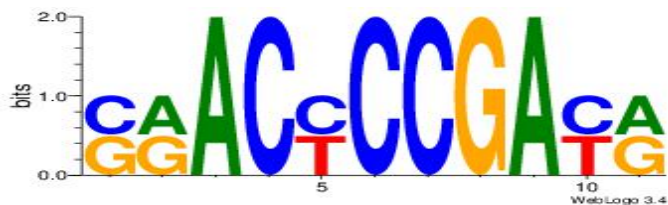
Dataset #: 4 Motif ID: 83 Motif name: srACyCCGAyr

Original motif

Consensus sequence: SRACYCCGAYR

Reverse complement motif

Consensus sequence: KKTCCGKGTKS



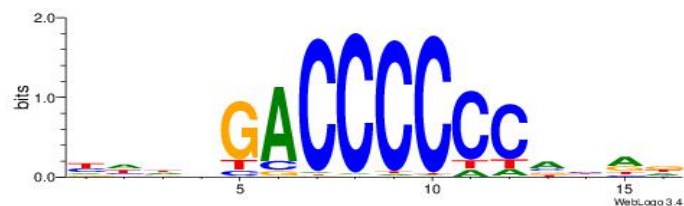
Best Matches for Motif ID 83 (Highest to Lowest)

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:
 HKBBGGGGGGTCVHHH
 --KKTCCGGKGTGS---

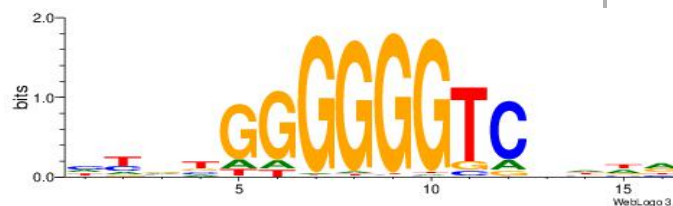
Original motif

Consensus sequence: HHHVGACCCCCCVBRD



Reverse complement motif

Consensus sequence: HKBBGGGGGGTCVHHH



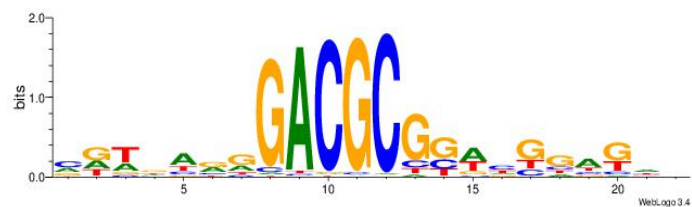
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.013032

Alignment:

VDWDARRGACGCGGWHGGAHV
 -----SRACYCCGAYR-----

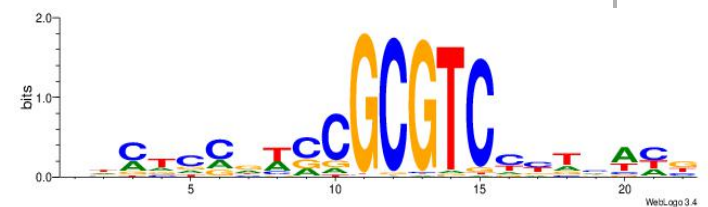
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAHV



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

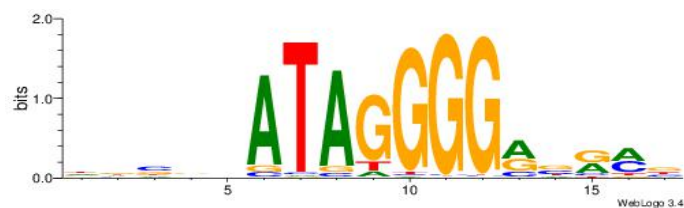
Number of overlap: 11
Similarity score: 0.0132459

Alignment:

BYMBKCCCCTATDVBHD
--SRACYCCGAYR----

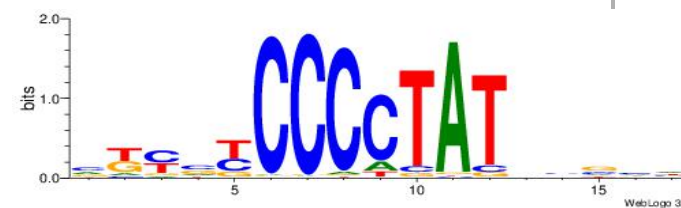
Original motif

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

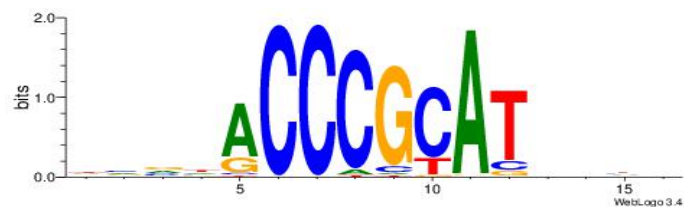
Alignment:

HVVHACCCGCATVDHD
--SRACYCCGAYR---

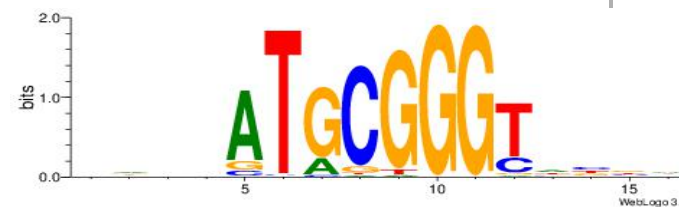
Original motif

Reverse complement motif

Consensus sequence: HVVHACCCGCATVDHD



Consensus sequence: DHDVATGCGGGTHVVH



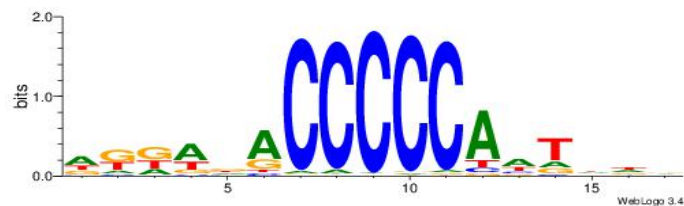
Motif ID: [UP00021](#)
Motif name: Zfp281_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 11
Similarity score: 0.0136908

Alignment:

DKKWDACCCCAHTDDV
---SRACYCCGAYR---

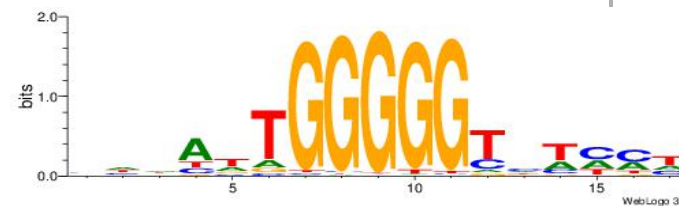
Original motif

Consensus sequence: DKKWDACCCCAHTDDV



Reverse complement motif

Consensus sequence: VDDAHTGGGGGTHWYYD



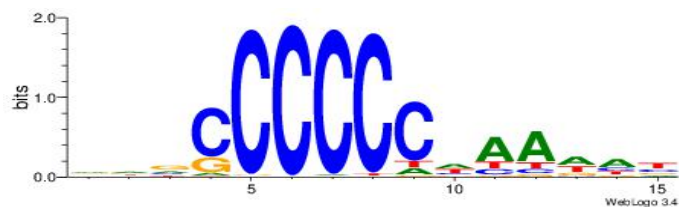
Motif ID: [UP00047](#)
 Motif name: Zbtb7b_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0146089

Alignment:

VHWTTTHGGGGGGVDD
 --KKTCTGGKGTKS--

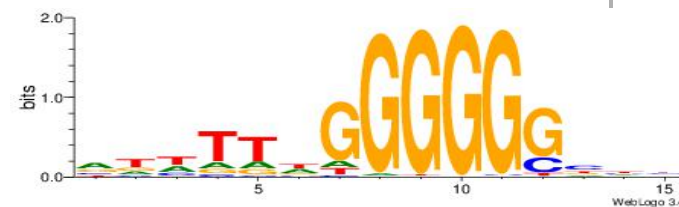
Original motif

Consensus sequence: DDVCCCCCCHAAWHB



Reverse complement motif

Consensus sequence: VHWTTTHGGGGGGVDD



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

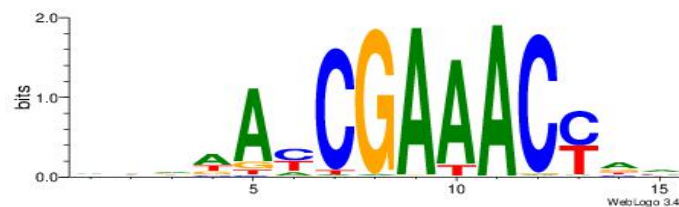
Number of overlap: 11
Similarity score: 0.0148195

Alignment:

BDKGTTCGKTWDDD
----KKTCGGKGTKS

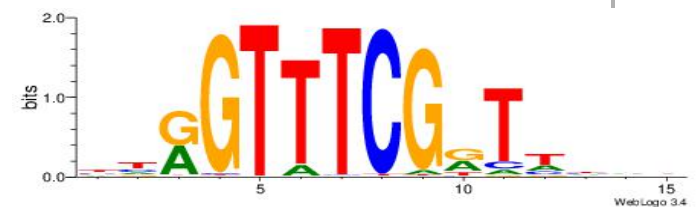
Original motif

Consensus sequence: DDDWAYCGAAACYDV



Reverse complement motif

Consensus sequence: BDKGTTCGKTWDDD



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

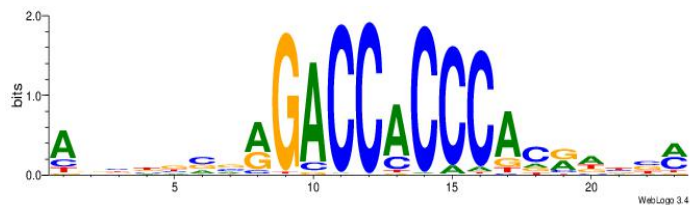
Alignment:

ABBBBVVRGACCACCCACRDBBM
-----SRACYCCGAYR-----

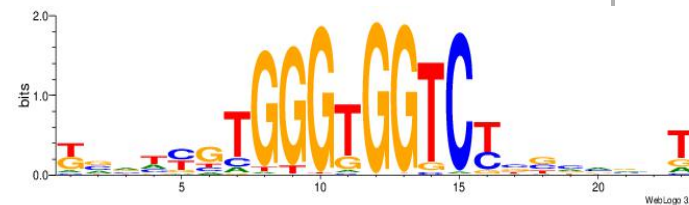
Original motif

Reverse complement motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Consensus sequence: YBVDMGTGGGTGGTCKVVBVBBT



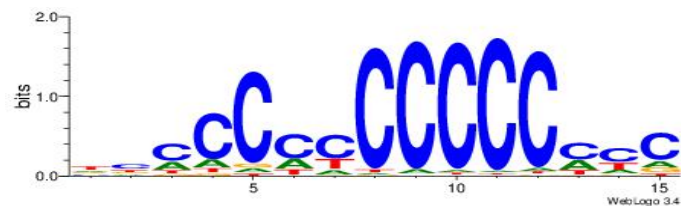
Motif ID: [UP00021](#)
Motif name: Zfp281_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 11
Similarity score: 0.0153296

Alignment:

```
GKRGGGGGGGGGGBD  
KKTGCGKGTKS-----
```

Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD



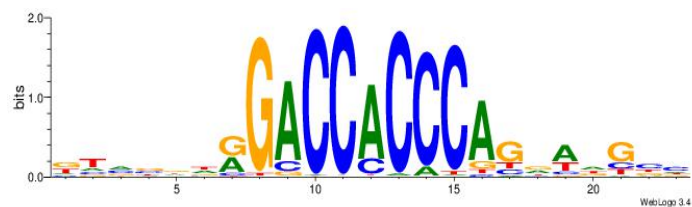
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 10
 Number of overlap: 11
 Similarity score: 0.0155548

Alignment:

DBCDWHCTGGGTGGTCMDHBBAH
 ---KKTCTGGKGTGS-----

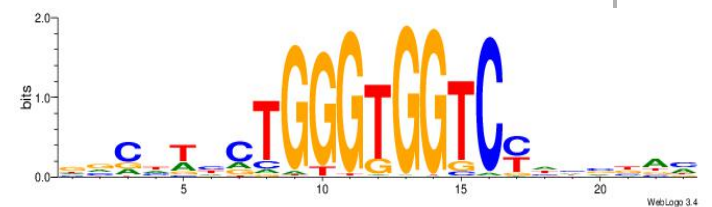
Original motif

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



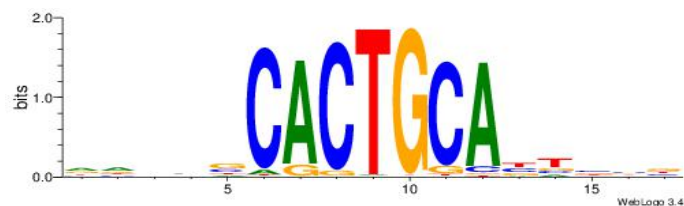
Best Matches for Motif ID 84 (Highest to Lowest)

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-----

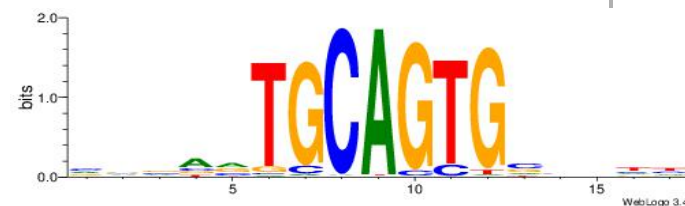
Original motif

Consensus sequence: DDBBBCACTGCABTBBB



Reverse complement motif

Consensus sequence: BBBAVTGCAGTGBBVDD



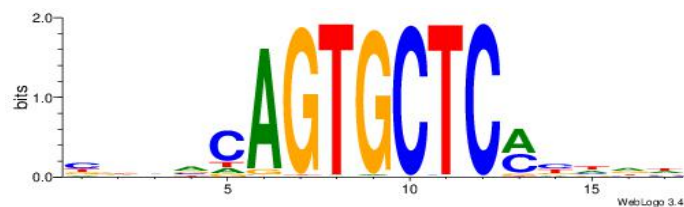
Motif ID: [UP00095](#)
 Motif name: Zfp691_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 6
 Similarity score: 0.020963

Alignment:

BDHVCAGTGCTCMBHDD
 ----CAGTGC-----

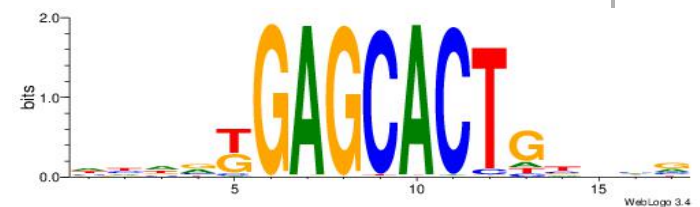
Original motif

Consensus sequence: BDHVCAGTGCTCMBHDD



Reverse complement motif

Consensus sequence: DDHBYGAGCACTGBHHB



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: 4

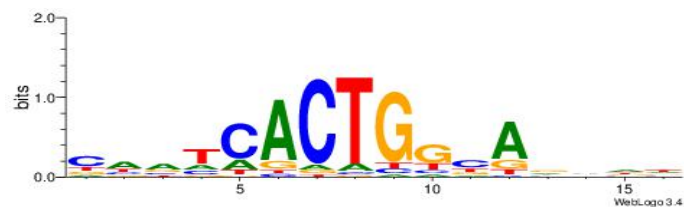
Number of overlap: 6
Similarity score: 0.0248871

Alignment:

DDHHTBCCAGTGABHG
-----CAGTGC---

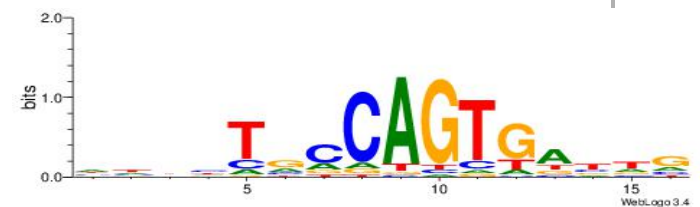
Original motif

Consensus sequence: CHVTCACTGGBADHDD



Reverse complement motif

Consensus sequence: DDHHTBCCAGTGABHG



Motif ID: [UP00065](#)
Motif name: Zfp161_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 6
Similarity score: 0.0303167

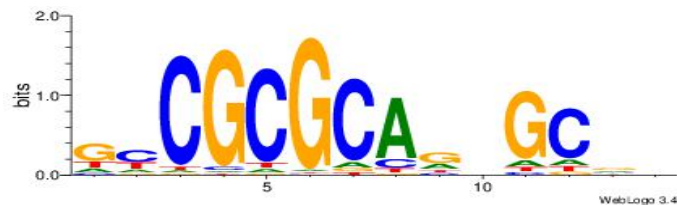
Alignment:

VVGCVMTGCGCGKC
--GCACTG-----

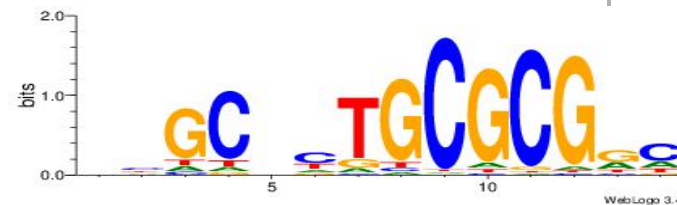
Original motif

Reverse complement motif

Consensus sequence: GYCGCGCARBGCVB



Consensus sequence: VVGCVMTGCGCGKC



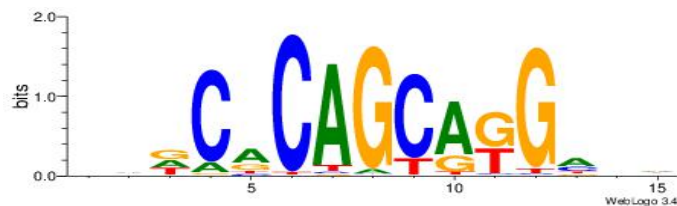
Motif ID: [UP00006](#)
Motif name: Zic3_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 6
Similarity score: 0.0420592

Alignment:

DVHCYTGCTGTGHDH
-----CAGTGC--

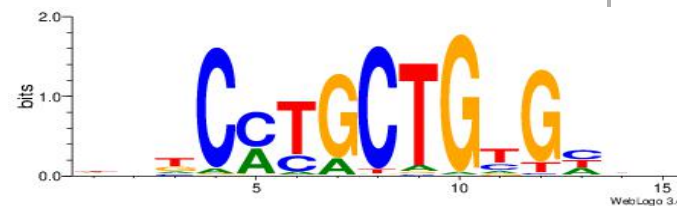
Original motif

Consensus sequence: DDDCACAGCAKGHVD



Reverse complement motif

Consensus sequence: DVHCYTGCTGTGHDH

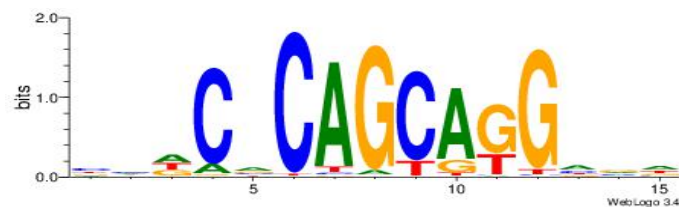


Motif ID: [UP00102](#)
 Motif name: Zic1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 6
 Similarity score: 0.0499082

Alignment:
 BHDCVCAGCAGGHVD
 --GCACTG-----

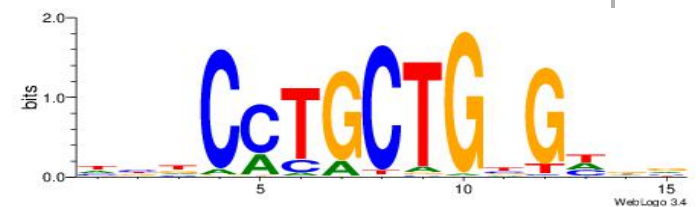
Original motif

Consensus sequence: BHDCVCAGCAGGHVD



Reverse complement motif

Consensus sequence: DVHCCTGCTGBGDDDB



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

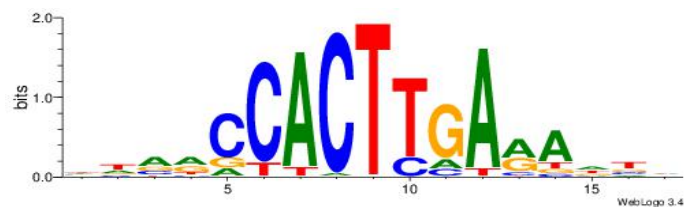
Number of overlap: 6
Similarity score: 0.0507672

Alignment:

DVDTKTCAAGTGGKBDH
-----CAGTGC-----

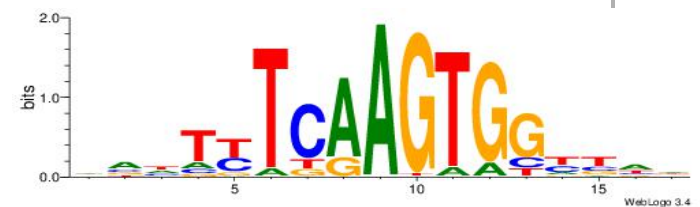
Original motif

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

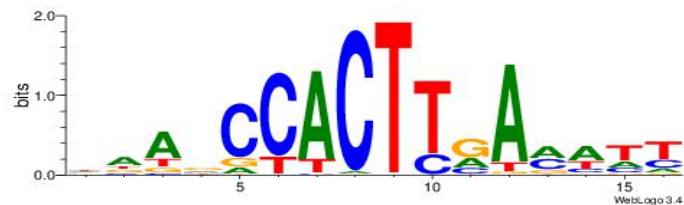
Alignment:

AAWYTMAAGTGGVTDH
-----CAGTGC-----

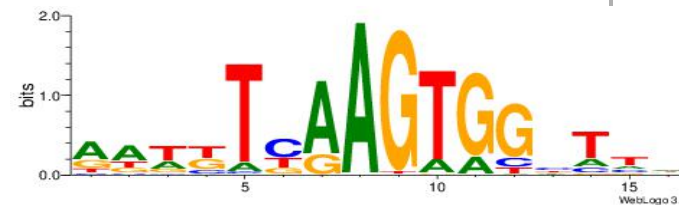
Original motif

Reverse complement motif

Consensus sequence: HDAVCCACTTRAMWTT



Consensus sequence: AAWYTMAAGTGGVTDH



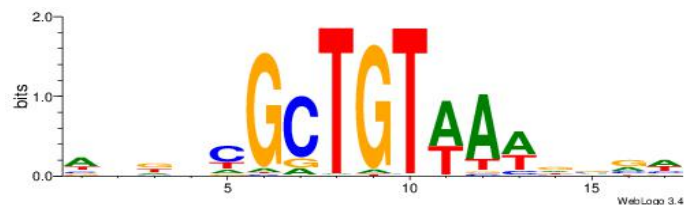
Motif ID: [UP00193](#)
Motif name: Rhox11_2205.1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 9
Number of overlap: 6
Similarity score: 0.0530479

Alignment:

```
WVVHWTWACAGCGHHVT  
-----CAGTGC----
```

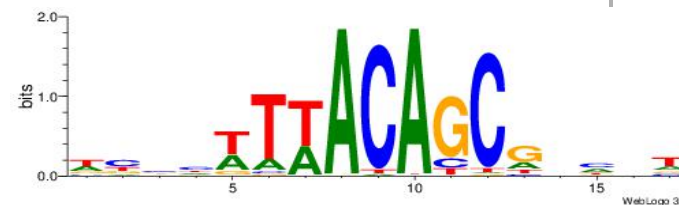
Original motif

Consensus sequence: AVDHCGCTGTWAWDVVW



Reverse complement motif

Consensus sequence: WVVHWTWACAGCGHHVT



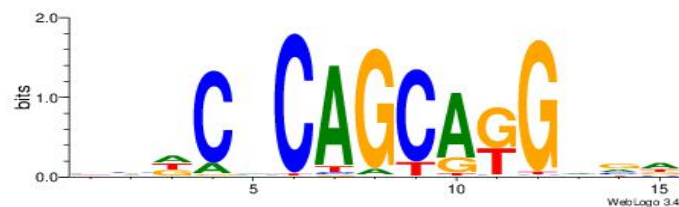
Motif ID: [UP00057](#)
 Motif name: Zic2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 6
 Similarity score: 0.0539075

Alignment:

HHDCVCAGCAKGVVD
 --GCACTG-----

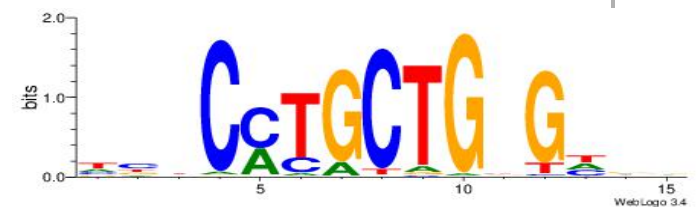
Original motif

Consensus sequence: HHDCVCAGCAKGVVD



Reverse complement motif

Consensus sequence: DVBCYTGCTGBGDDD



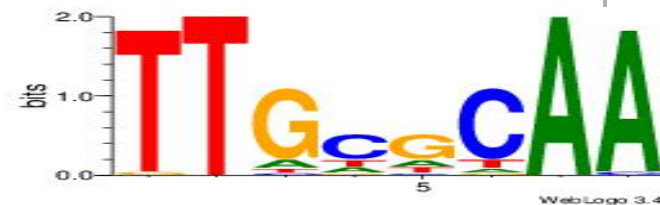
Dataset #: 5 Motif ID: 85 Motif name: TFW1

Original motif

Consensus sequence: TTGCGCAA

Reverse complement motif

Consensus sequence: TTGCGCAA



Best Matches for Motif ID 85 (Highest to Lowest)

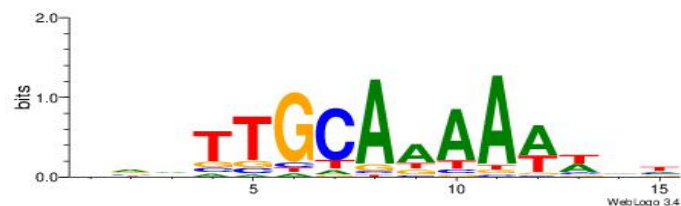
Motif ID: [UP00045](#)
 Motif name: Mafb_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.00957029

Alignment:

HDWWTTTTGCAADB
 ----TTGCGCAA----

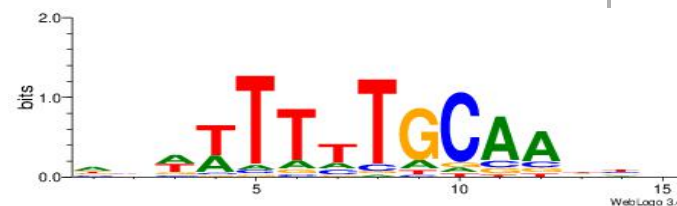
Original motif

Consensus sequence: HVDTTGCAAAWWDH



Reverse complement motif

Consensus sequence: HDWWTTTTGCAADB



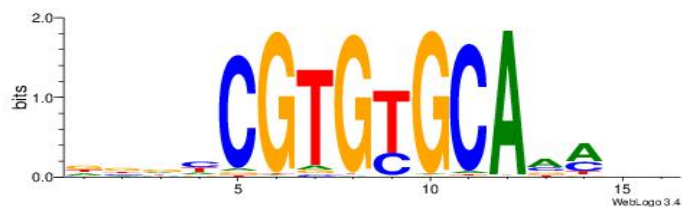
Motif ID: [UP00097](#)
 Motif name: Mtf1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0184619

Alignment:

DBDHCGTGTGCAAMDH
 -----TTGCGCAA---

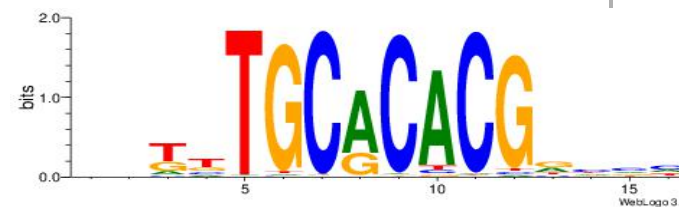
Original motif

Consensus sequence: DBDHCGTGTGCAAMDH



Reverse complement motif

Consensus sequence: HDYTTGCACACGDHBD



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

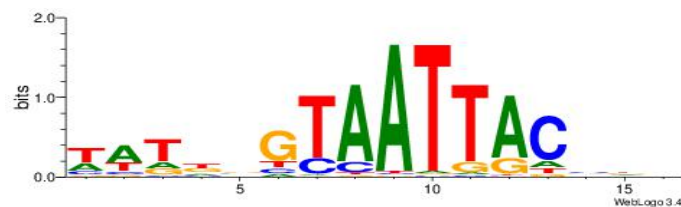
Number of overlap: 8
Similarity score: 0.0226004

Alignment:

WWTDBGTAATTACVDB
-TTGCGCAA-----

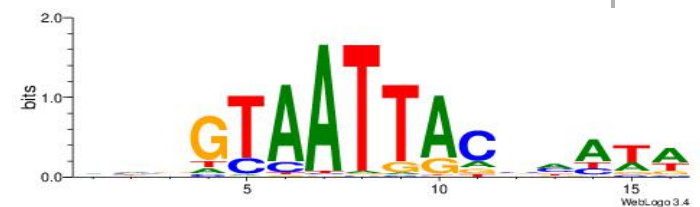
Original motif

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

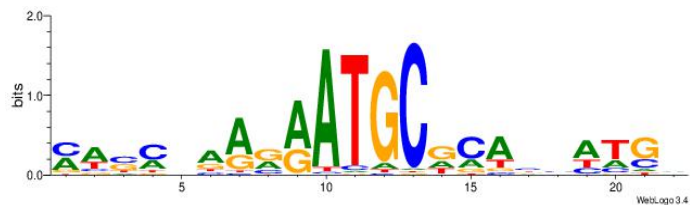
Alignment:

DCATDBTGHGCATKMTTBRSWR
-----TTGCGCAA-----

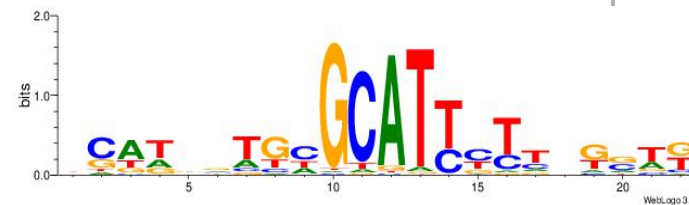
Original motif

Reverse complement motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Consensus sequence: DCATDBTGHGCATKMTTBRSWR

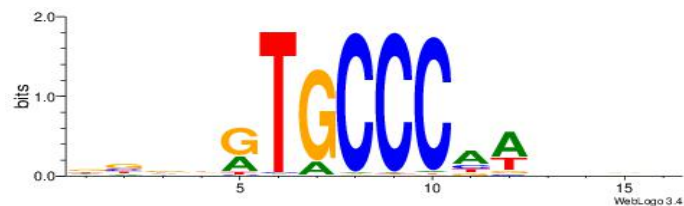


Motif ID: [UP00035](#)
Motif name: Hic1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 8
Similarity score: 0.0261465

Alignment:
VHHDWTGGGCAMDHBH
-----TTGCGCAA-----

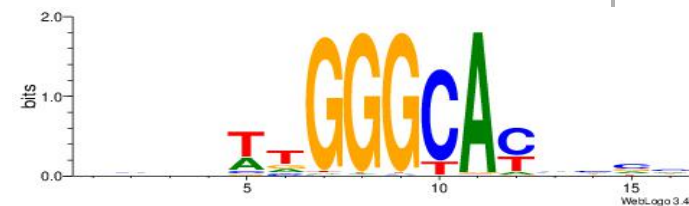
Original motif

Consensus sequence: DBDDRTGCCC AWDHDV



Reverse complement motif

Consensus sequence: VHHDWTGGGCAMDHBH



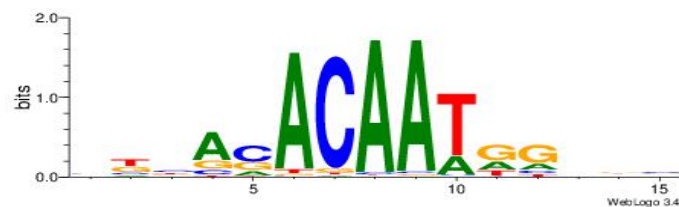
Motif ID: [UP00004](#)
 Motif name: Sox14_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.0272314

Alignment:

BKBASACAATRGHBB
 -TTGCGCAA-----

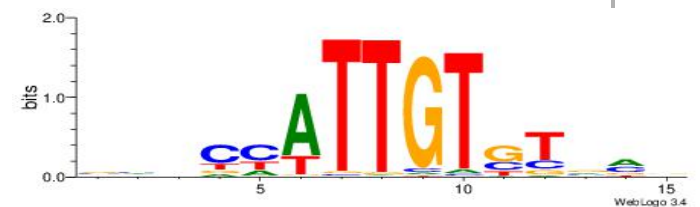
Original motif

Consensus sequence: BKBASACAATRGHBB



Reverse complement motif

Consensus sequence: BBDCMATTGTSTBRB

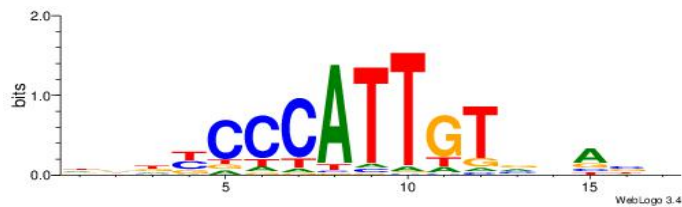


Motif ID: [UP00055](#)
 Motif name: Hbp1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 9

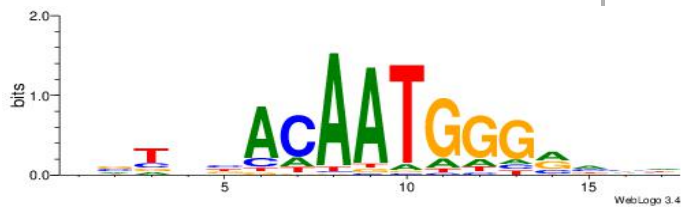
Number of overlap: 8
Similarity score: 0.0278778

Alignment:
HBTHVACAATGGGMDHD
-TTGCGCAA-----

Original motif
Consensus sequence: DDDYCCCATTTGT



Reverse complement motif
Consensus sequence: HBTHVACAATGGGMDHD



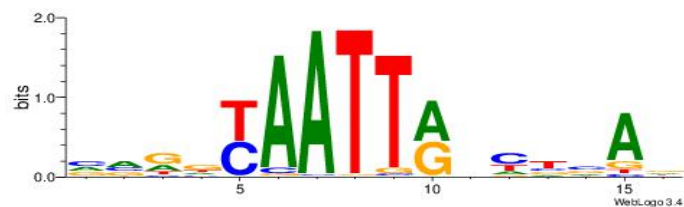
Motif ID: [UP00138](#)
Motif name: Bsx
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 8
Number of overlap: 8
Similarity score: 0.0281625

Alignment:
VVRDYAATTRBYBVAD
-----TTGCGCAA-

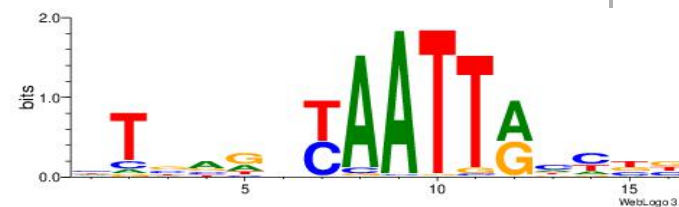
Original motif

Reverse complement motif

Consensus sequence: VVRDYAATTRBYBVAD



Consensus sequence: HTVVKBKAATTMHMBV



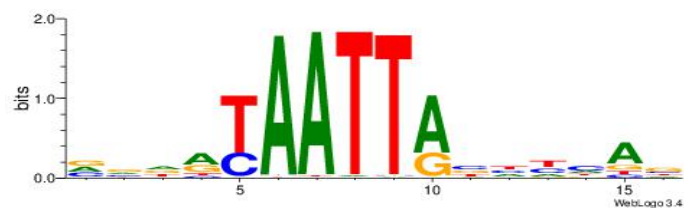
Motif ID: [UP00126](#)
Motif name: Dlx2
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 8
Similarity score: 0.030109

Alignment:

```
VVDRTAATTABHHHAB  
-----TTGCGCAA--
```

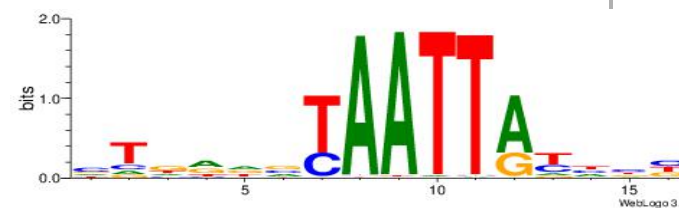
Original motif

Consensus sequence: VVDRTAATTABHHHAB



Reverse complement motif

Consensus sequence: BTDHHBTAATTAKDVV



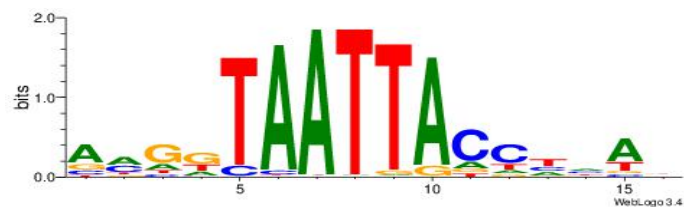
Motif ID: [UP00182](#)
 Motif name: Hoxa6
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.0308523

Alignment:

AMGKTAATTACCHHAD
 -----TTGCGCAA--

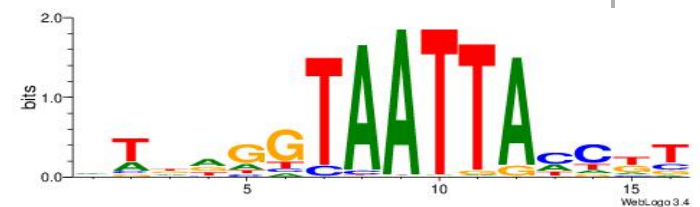
Original motif

Consensus sequence: AMGKTAATTACCHHAD



Reverse complement motif

Consensus sequence: DTHHGGTAATTAYCYT



Dataset #: 5 Motif ID: 86 Motif name: TFW2

Original motif

Consensus sequence: YGGA CT TACG

Reverse complement motif

Consensus sequence: CGTAAGT CCK



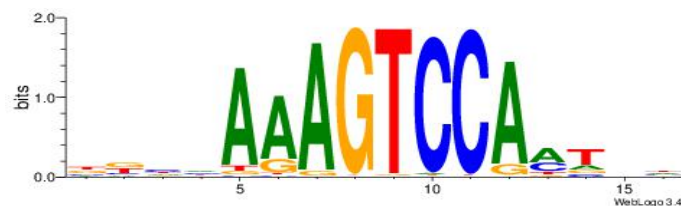
Best Matches for Motif ID 86 (Highest to Lowest)

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:
 HHAYTGGACTTTHDBV
 ----YGGACTTACG--

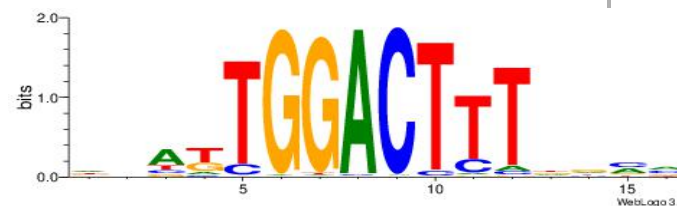
Original motif

Consensus sequence: BBHHAAGTCCAMTHH



Reverse complement motif

Consensus sequence: HHAYTGGACTTTHDBV



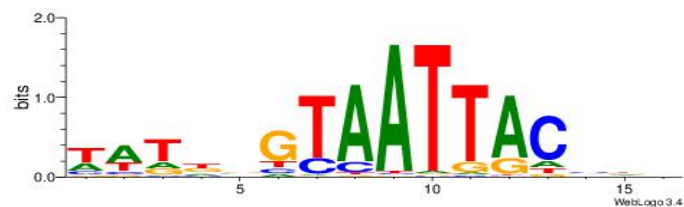
Motif ID: [UP00259](#)
 Motif name: Hoxb6
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0133265

Alignment:

VDVGTAATTACBDAWW
 --YGGACTTACG-----

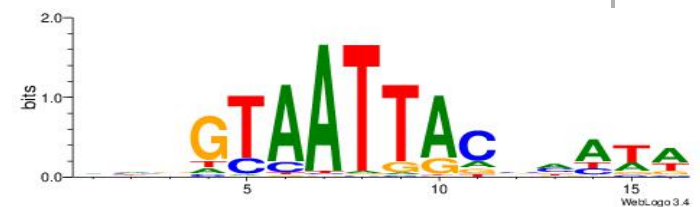
Original motif

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

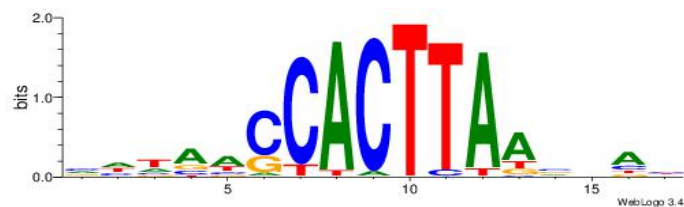
Number of overlap: 10
Similarity score: 0.0145352

Alignment:

DTBVTTAAGTGGTTHHV
---CGTAAGTCCK----

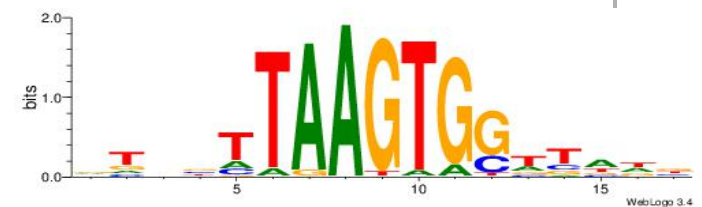
Original motif

Consensus sequence: VHHAACCACTTAHV



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

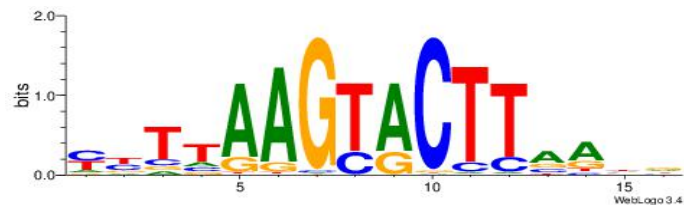
Alignment:

HHTTAAGTACTTAAMK
-CGTAAGTCCK-----

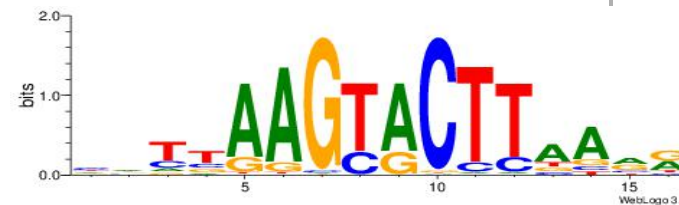
Original motif

Reverse complement motif

Consensus sequence: YYTTAAGTACTTAAHD



Consensus sequence: HHTTAAGTACTTAAAMK



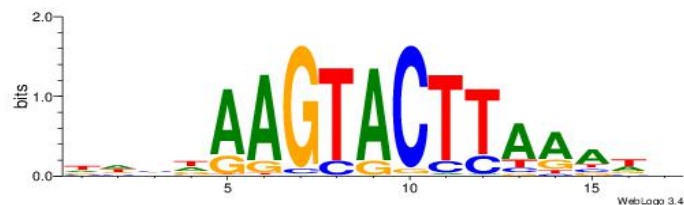
Motif ID: [UP00389](#)
Motif name: Nkx3-1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 10
Similarity score: 0.0201669

Alignment:

BDTTTAAGTACTTDDDD
--CGTAAGTCCK-----

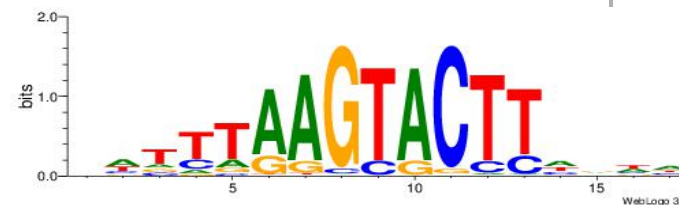
Original motif

Consensus sequence: DDHDAAGTACTTAAADB



Reverse complement motif

Consensus sequence: BDTTTAAGTACTTDDDD



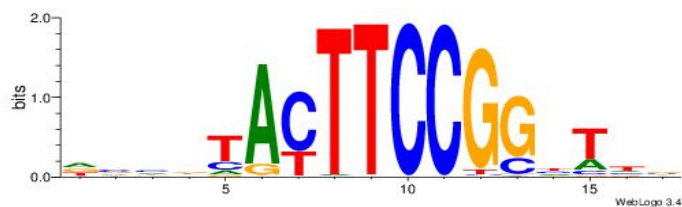
Motif ID: [UP00418](#)
 Motif name: Etv6
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0206612

Alignment:

BHAHCCGGAAGTABDVD
 -----YGGACTTACG--

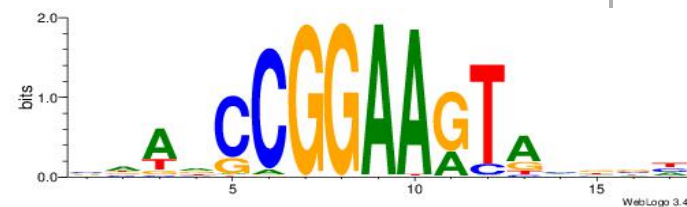
Original motif

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

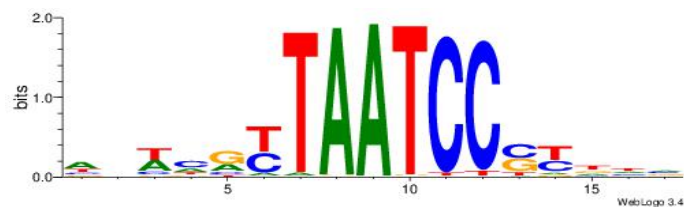
Number of overlap: 10
Similarity score: 0.0208429

Alignment:

BHDMSSGGATTAMMDWBH
----YGGACTTACG----

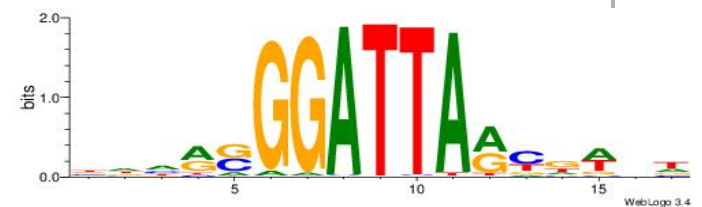
Original motif

Consensus sequence: HVWHRYTAATCCSYDHV



Reverse complement motif

Consensus sequence: BHDMSGGATTAMMDWBH



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

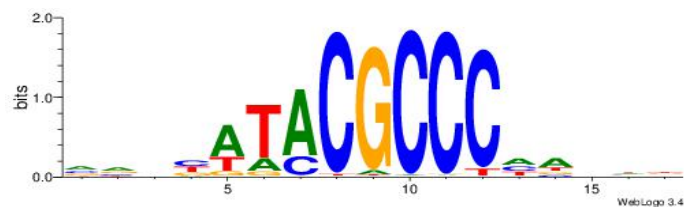
Alignment:

DHDTHGGGCGTATBHBB
----YGGACTTACG----

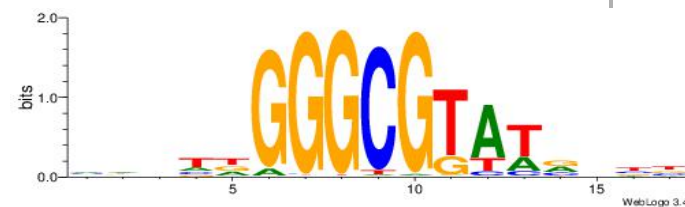
Original motif

Reverse complement motif

Consensus sequence: VVDBATACGCCCHAHHD



Consensus sequence: DHDTHGGGCGTATBHBB



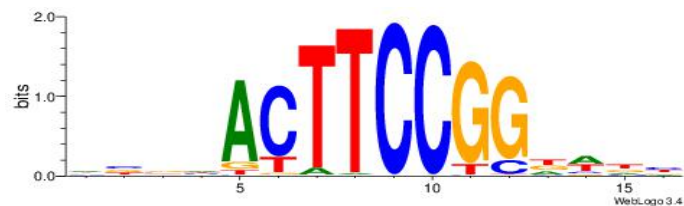
Motif ID: [UP00404](#)
Motif name: Elf2
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 10
Similarity score: 0.0220676

Alignment:

```
BDWDCCGGAAGTHBBD  
-----CGTAAGTCK--
```

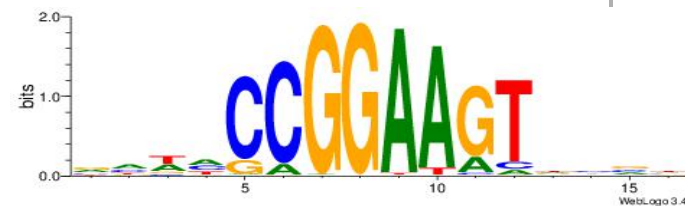
Original motif

Consensus sequence: DBBHACTTCCGGDWDB



Reverse complement motif

Consensus sequence: BDWDCCGGAAGTHBBD



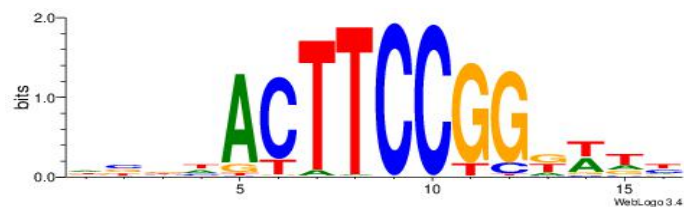
Motif ID: [UP00413](#)
 Motif name: Elf4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0221416

Alignment:

HAWYCCGGAAGTHBBD
 -----CGTAAGTCCK-

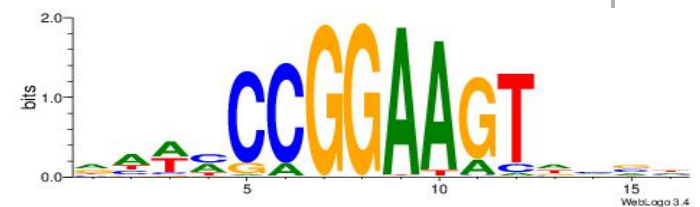
Original motif

Consensus sequence: DBBHACTTCCGGKWITH



Reverse complement motif

Consensus sequence: HAWYCCGGAAGTHBBD



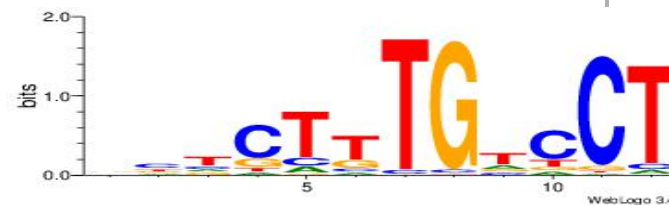
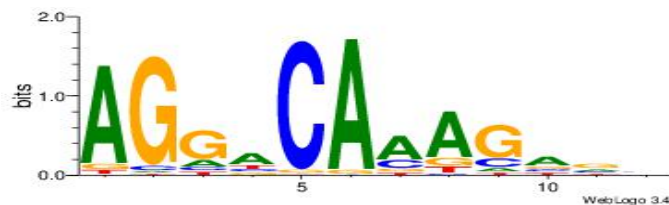
Dataset #: 5 Motif ID: 87 Motif name: TFF1

Original motif

Consensus sequence: AGGACAAAGAVV

Reverse complement motif

Consensus sequence: VVTCTTTGTCCT



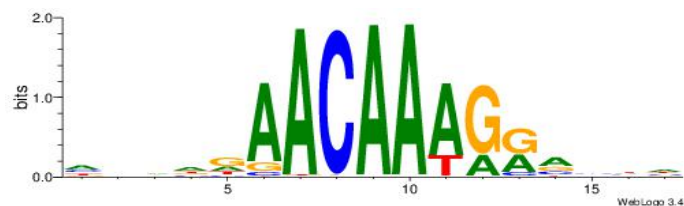
Best Matches for Motif ID 87 (Highest to Lowest)

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--

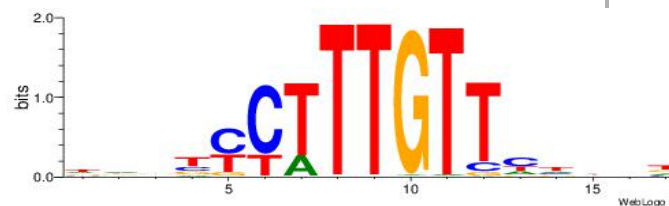
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH

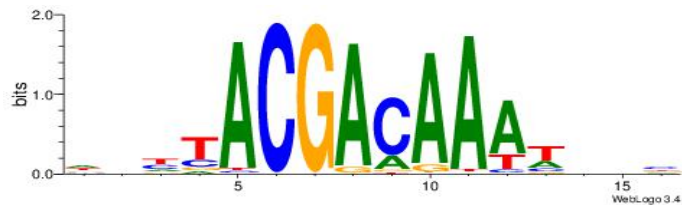


Motif ID: [UP00072](#)
Motif name: IRC900814_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 12
Similarity score: 0.0258585

Alignment:
DDHTACGACAAWDDDB
----AGGACAAAGAVV

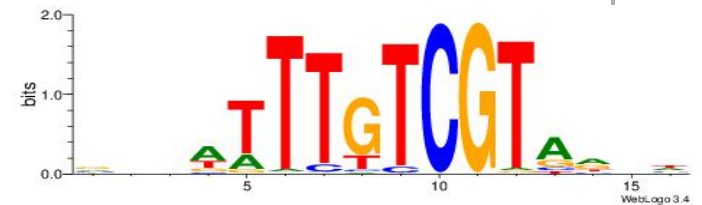
Original motif

Consensus sequence: DDHTACGACAAWDDDB



Reverse complement motif

Consensus sequence: BHDWTTTGTCTAHDD



Motif ID: [UP00030](#)
Motif name: Sox11_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 12

Similarity score: 0.0284165

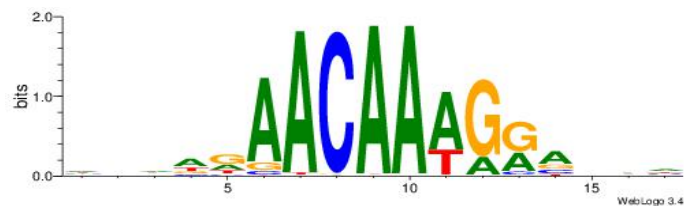
Alignment:

HBDDRAACAAAGRABHH

---AGGACAAAGAVV---

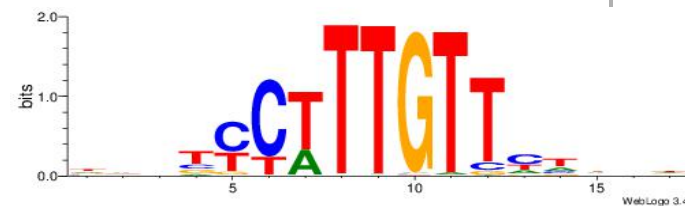
Original motif

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

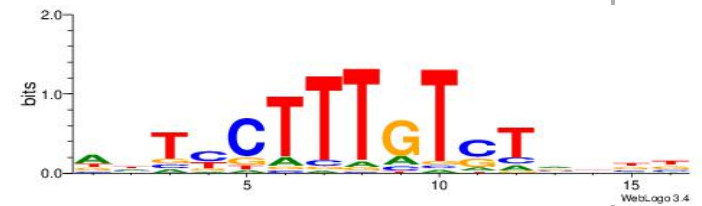
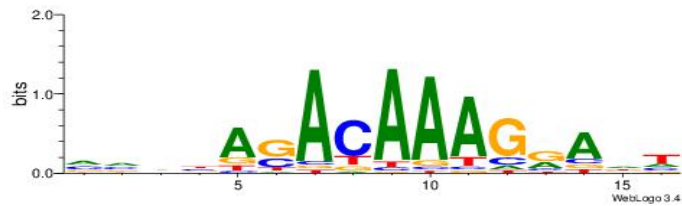
---AGGACAAAGAVV---

Original motif

Consensus sequence: VVDBASACAAAGRADH

Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



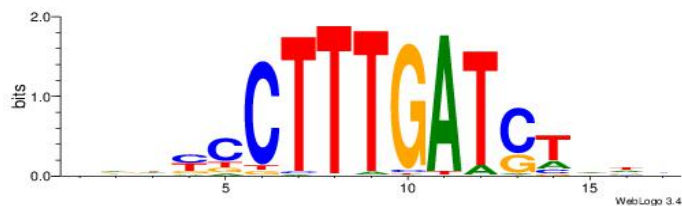
Motif ID: [UP00067](#)
 Motif name: Lef1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0318041

Alignment:

VDDAGATCAAAGGKDDD
 ---AGGACAAAGAVV--

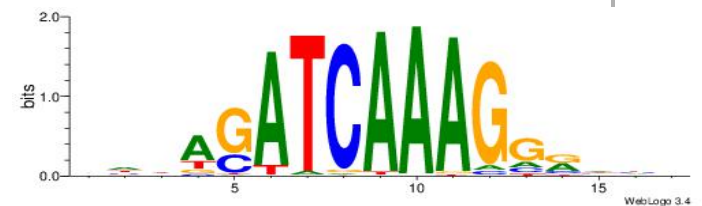
Original motif

Consensus sequence: DDDYCCTTTGATCTDDV



Reverse complement motif

Consensus sequence: VDDAGATCAAAGGKDDD



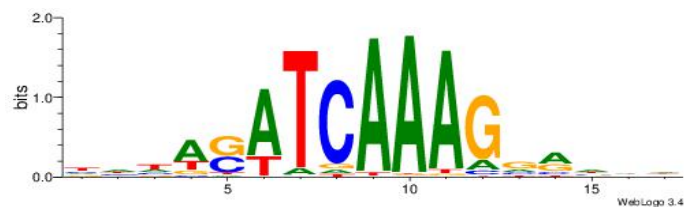
Motif ID: [UP00058](#)
 Motif name: Tcf3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0329392

Alignment:

HHHASATCAAAGVRHHH
 ---AGGACAAAGAVV--

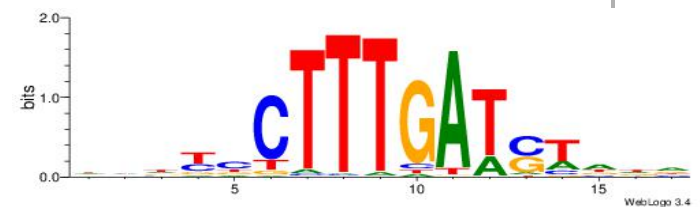
Original motif

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

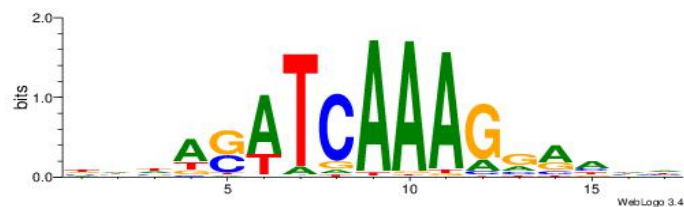
Number of overlap: 12
Similarity score: 0.0344802

Alignment:

BHHASATCAAAGGAHHH
---AGGACAAAGAVV--

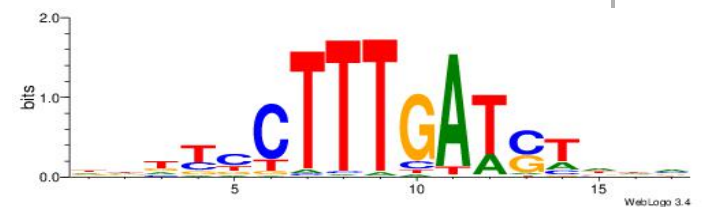
Original motif

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

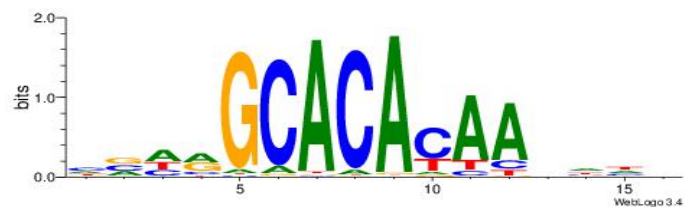
Alignment:

BHHHTTGTGTGCKHVD
-VVTCTTTGTCCT---

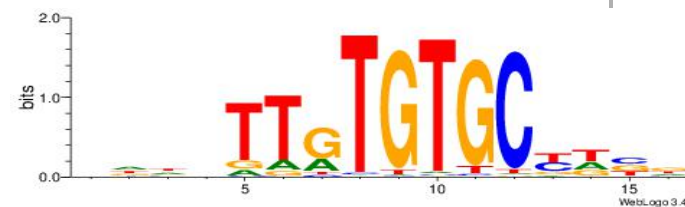
Original motif

Reverse complement motif

Consensus sequence: HVHRGCACACAAHHHV



Consensus sequence: BHHHTTGTGTGCKHVD



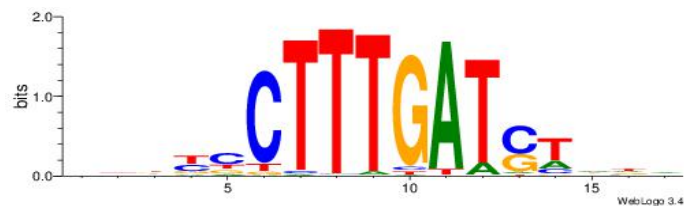
Motif ID: [UP00083](#)
Motif name: Tcf7l2_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 12
Similarity score: 0.0344876

Alignment:

DDDYCCTTTGATSTDDV
--VVTCTTTGTCCT---

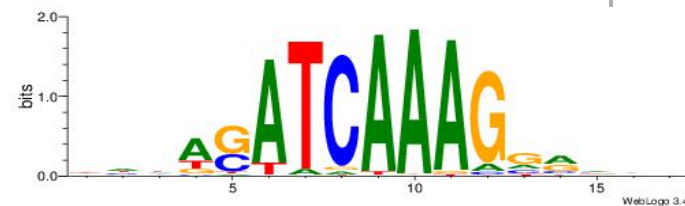
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

Consensus sequence: BDDASATCAAAGGMDDD



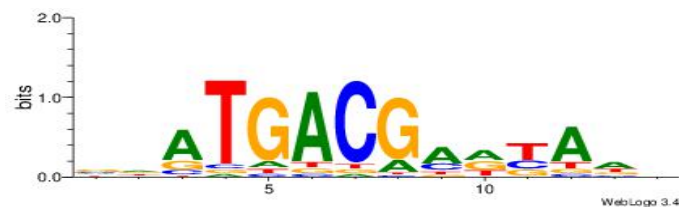
Motif ID: [UP00020](#)
 Motif name: Atf1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0352035

Alignment:

VDATGACGADYADH
 --AGGACAAAGAVV

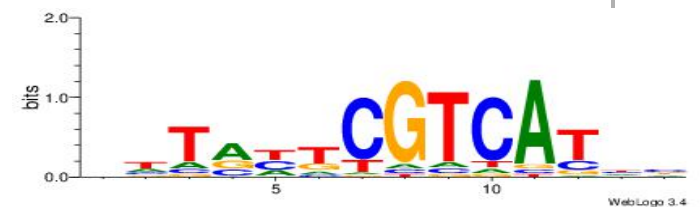
Original motif

Consensus sequence: VDATGACGADYADH



Reverse complement motif

Consensus sequence: DDTMDTCGTCATDV



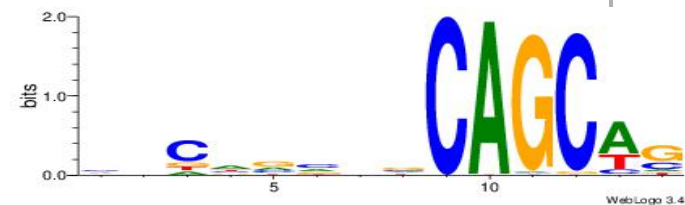
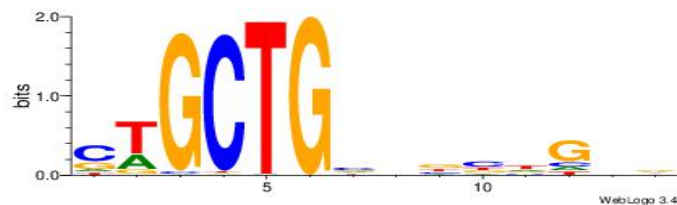
Dataset #: 5 Motif ID: 88 Motif name: TFF11

Original motif

Consensus sequence: CTGCTGBDBBDGDBD

Reverse complement motif

Consensus sequence: HVCDBBDBCAGCAG



Best Matches for Motif ID 88 (Highest to Lowest)

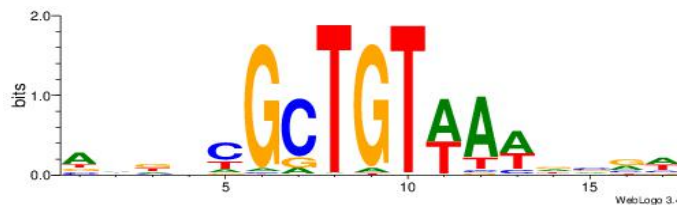
Motif ID:	UP00193
Motif name:	Rhox11_1765.2
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.054015

Alignment:

```
WVHWTWACAGCGBHBT
HVCDBDBCAGCAG---
```

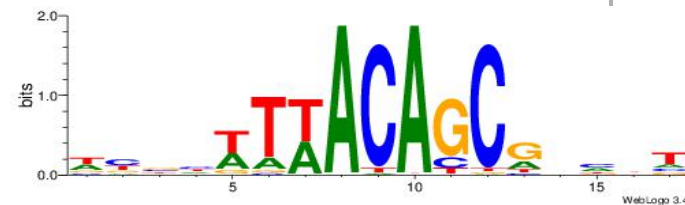
Original motif

Consensus sequence: AVDVCGCTGTWAWDVVW



Reverse complement motif

Consensus sequence: WVHWTWACAGCGBHBT



Motif ID: [UP00193](#)

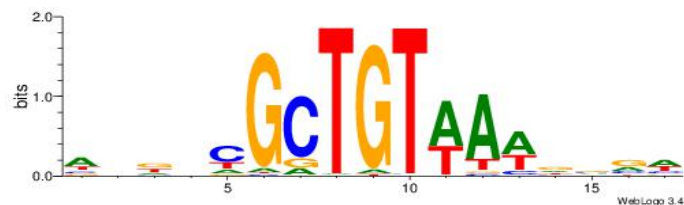
Motif name: Rhox11_2205.1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0543852

Alignment:

WVVHWTWACAGCGHHVT
 HVCDBBDBCAGCAG---

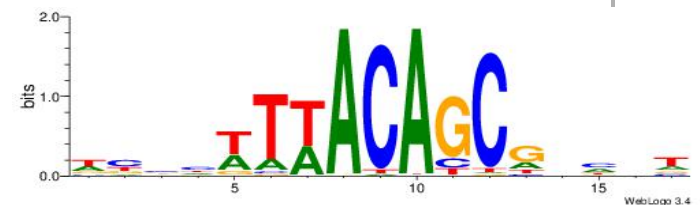
Original motif

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

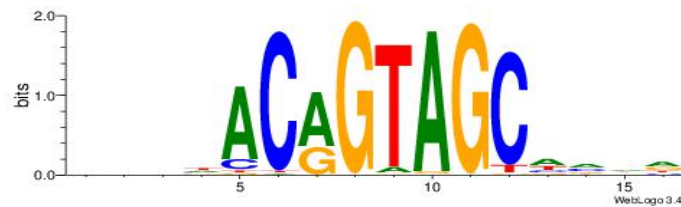
Alignment:

HHDHACRGTAGCHVHD

--CTGCTGBDBBDGBD

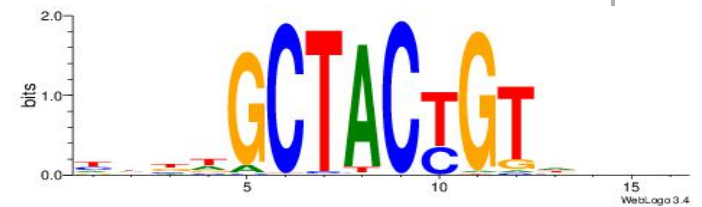
Original motif

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

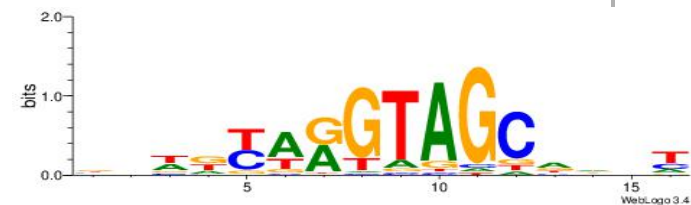
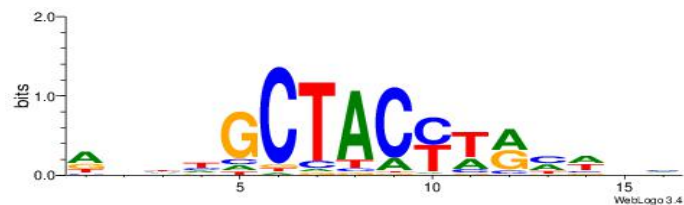
HVCDBBDBCAGCAG--

Original motif

Consensus sequence: AHHHGCTACYTRMWHV

Reverse complement motif

Consensus sequence: VDWRKAKGTAGCHHDT

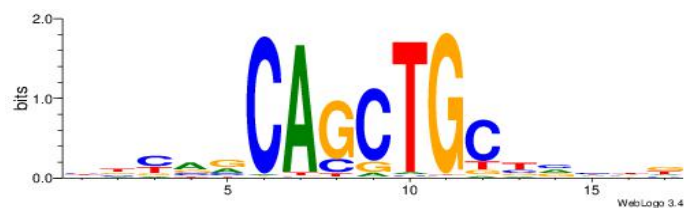


Motif ID: [UP00099](#)
 Motif name: Ascl2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0581121

Alignment:
 BBYVVCAGCTGCBVHHD
 HVCDBBDBCAGCAG---

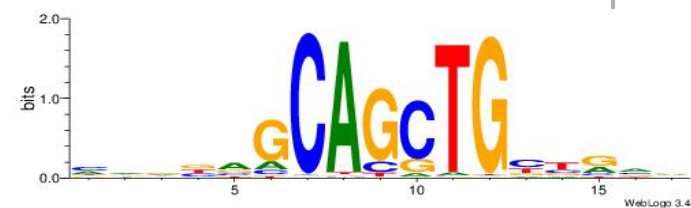
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HHDVVCAGCTGVBKVB



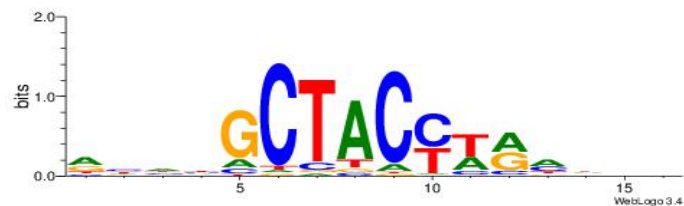
Motif ID: [UP00027](#)

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--

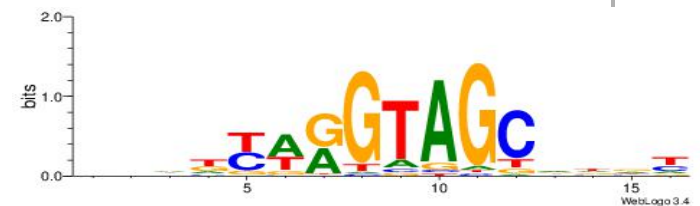
Original motif

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

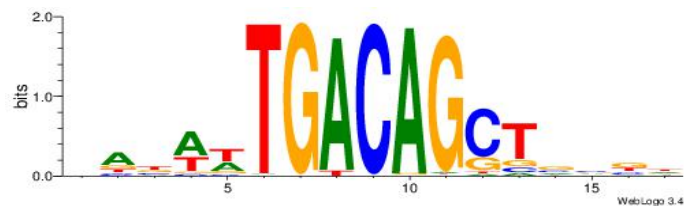
Alignment:

DABWWTGACAGCTVVBD

HVCDBBDBCAGCAG---

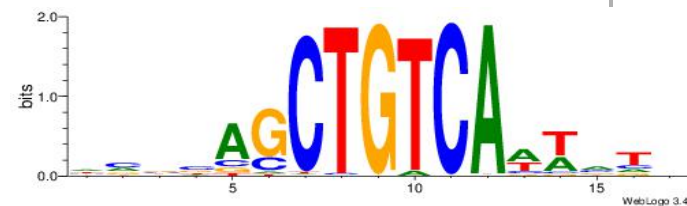
Original motif

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

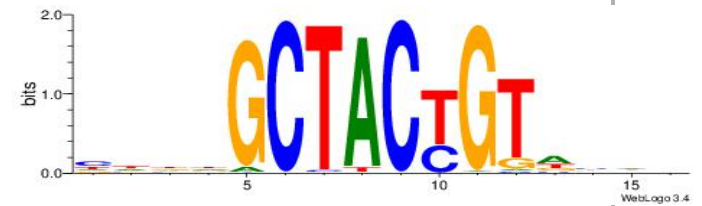
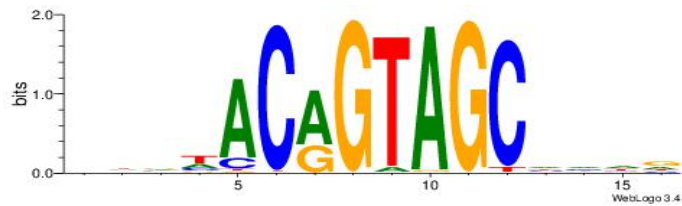
--CTGCTGBDBBDGBD

Original motif

Consensus sequence: HHVHACRGTAGCHHHD

Reverse complement motif

Consensus sequence: HHHHGCTACKGTHVHH



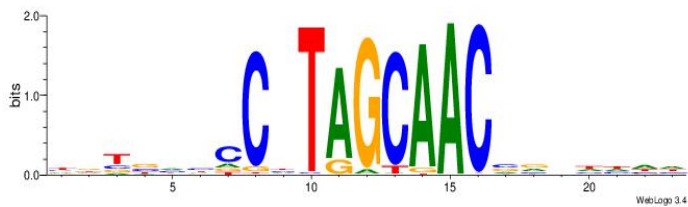
Motif ID: [UP00098](#)
 Motif name: Rfx3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 14
 Similarity score: 0.0628447

Alignment:

```
HHHHDVVGTTGCTAHGGDHBAHH
-----CTGCTGBDDBDGBD--
```

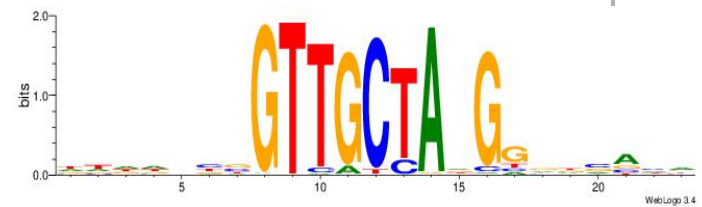
Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH



Reverse complement motif

Consensus sequence: HHHHDVVGTTGCTAHGGDHBAHH



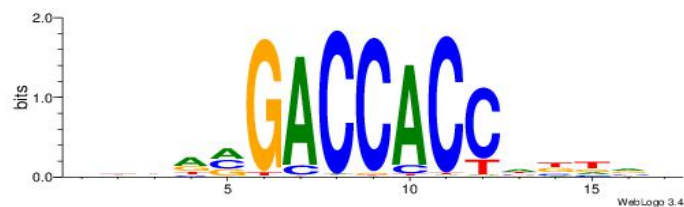
Motif ID: [UP00047](#)
 Motif name: Zbtb7b_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0632938

Alignment:

BBDVHGGTGGTCBKDDDB
 ---CTGCTGBDBBDGBD

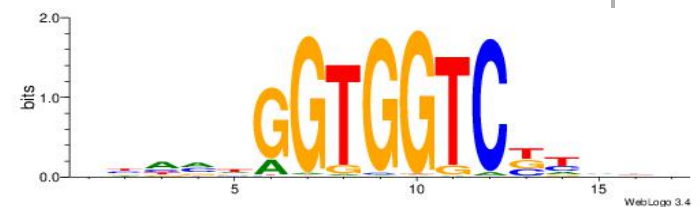
Original motif

Consensus sequence: BDDRVGACCACCHBDVB



Reverse complement motif

Consensus sequence: BBDVHGGTGGTCBKDDDB



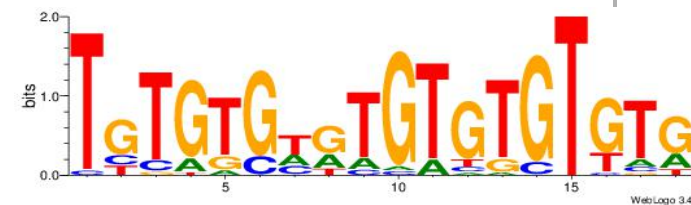
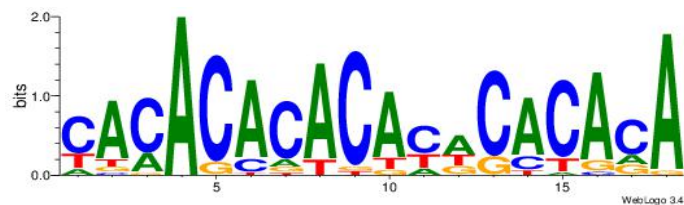
Dataset #: 5 Motif ID: 89 Motif name: TFM1

Original motif

Consensus sequence: CACACACACWCACACA

Reverse complement motif

Consensus sequence: TGTGTGWGTGTGTGTGTG



Best Matches for Motif ID 89 (Highest to Lowest)

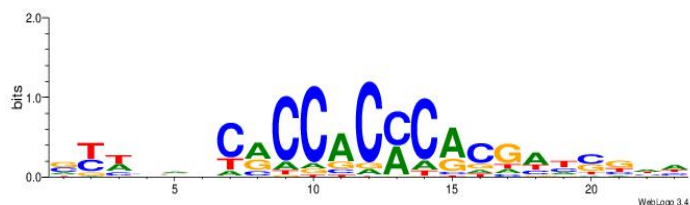
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0442064

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 -----CACACACACACWCACACA

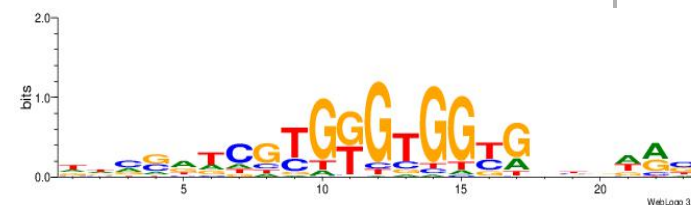
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



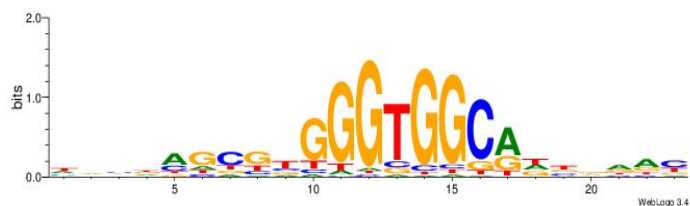
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0448118

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 TGTGTGWTGTGTGTGTG-----

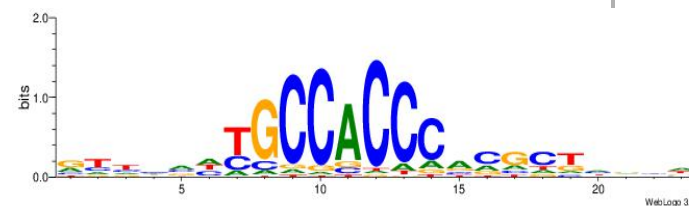
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

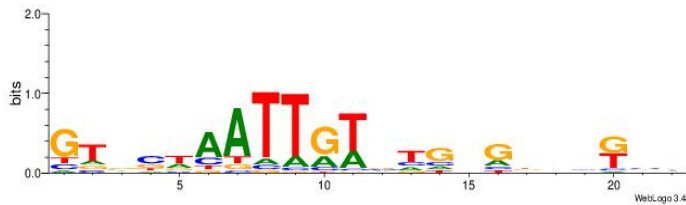


Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 18

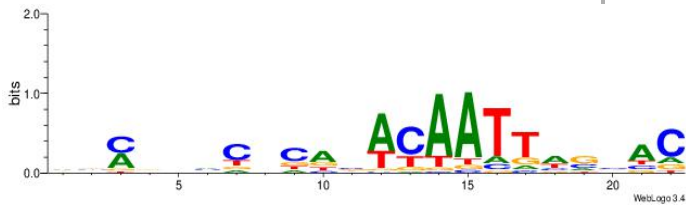
Similarity score: 0.0469936

Alignment:
GTVBDAATTGTVTGHGDDHKVB
TGTGTGWTGTGTGTGTG----

Original motif
Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif
Consensus sequence: VVYDDDCHCAVACAATTDBVAC

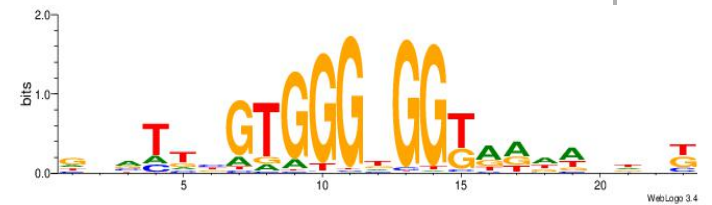
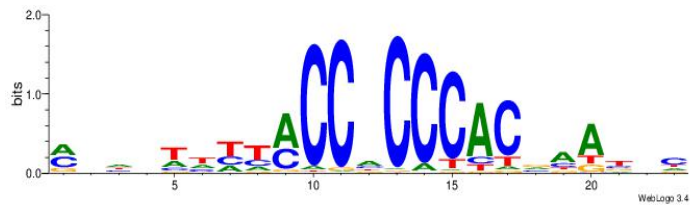


Motif ID: [UP00538](#)
Motif name: Gli1_v015681_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 18
Similarity score: 0.0474757

Alignment:
MHHHWHYTMCCCHCCCACVAABVH
--CACACACACWCACACA---

Original motif
Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH

Reverse complement motif
Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



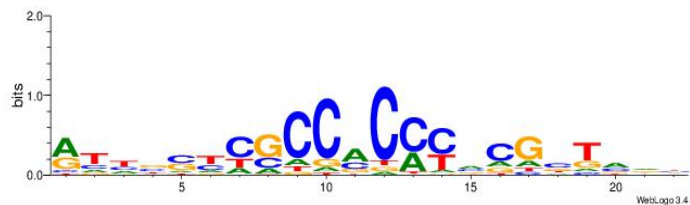
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 18
 Similarity score: 0.0483565

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 ---CACACACACWCACACA-

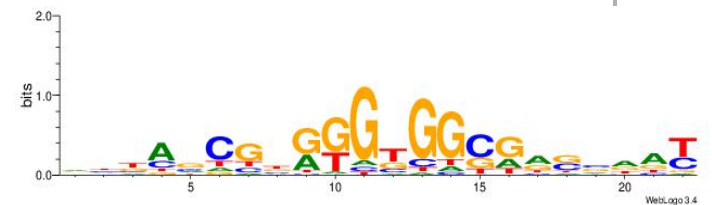
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



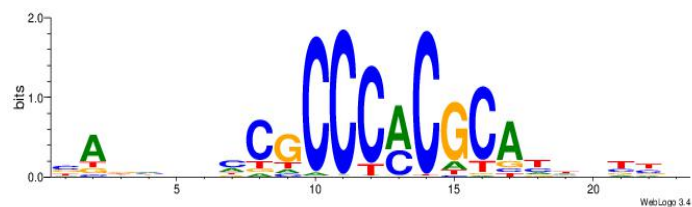
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 18
 Similarity score: 0.0502008

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
 -----CACACACACWCACACA

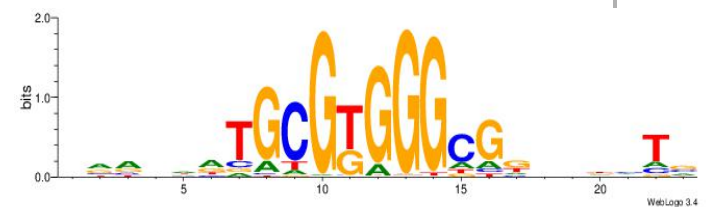
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB

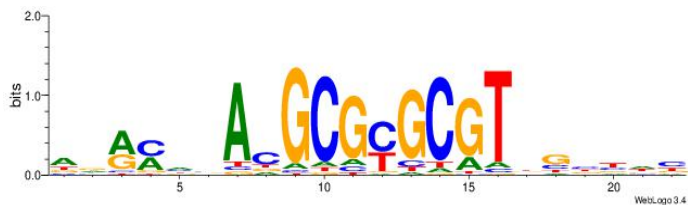


Motif ID: [UP00526](#)
 Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4

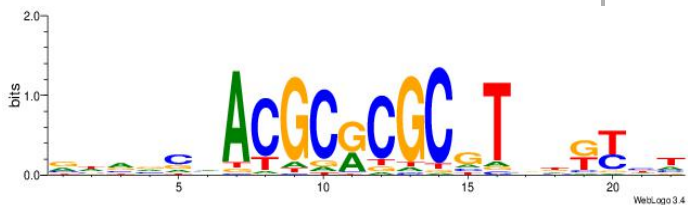
Number of overlap: 18
Similarity score: 0.0557575

Alignment:
BDVBCDACGCKCGCGTBHRKHD
---TGTGTGWGTGTGTGTGTG-

Original motif
Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif
Consensus sequence: BDVBCDACGCKCGCGTBHRKHD

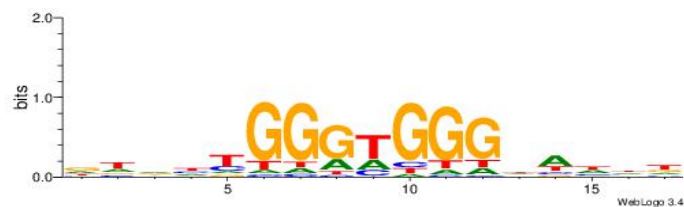


Motif ID: [UP00096](#)
Motif name: Sox13_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 17
Similarity score: 0.549115

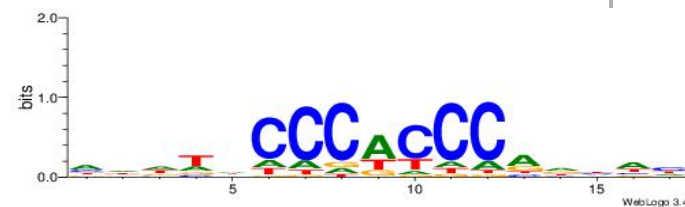
Alignment:
-DHHTHCCCACCCAHHDDH
CACACACACACWCACACA

Original motif
Reverse complement motif

Consensus sequence: DDDHTGGGTGGGHAHHD



Consensus sequence: DHHTHCCCACCCAHHDDH



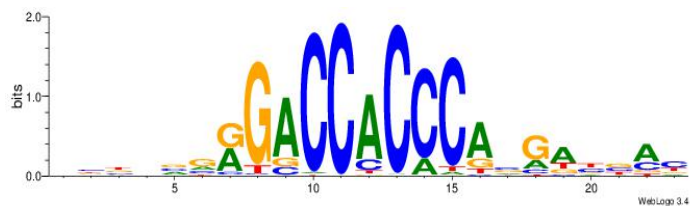
Motif ID: [UP00538](#)
Motif name: Gli1_v015681_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 7
Number of overlap: 17
Similarity score: 0.550082

Alignment:

BBBDVVRGACCACCCAVGABBAB-
-----CACACACACWCACACA

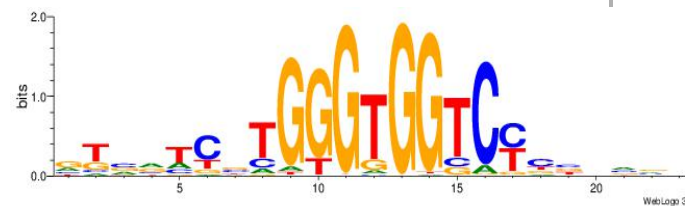
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



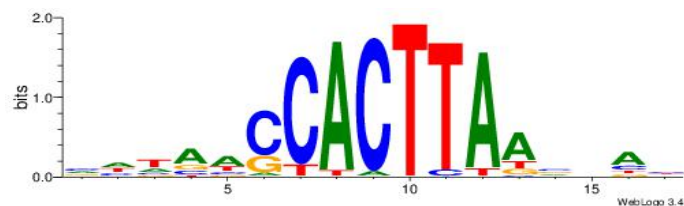
Motif ID: [UP00228](#)
 Motif name: Bapx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 17
 Similarity score: 0.553591

Alignment:

-VHHAACCACTTAAVVAH
 CACACACACACWCACACA-

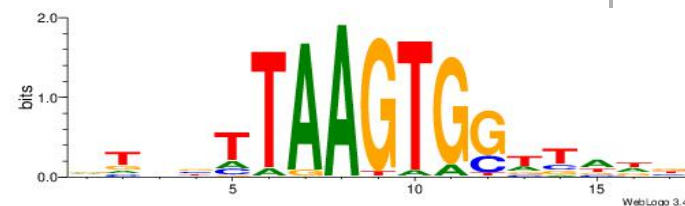
Original motif

Consensus sequence: VHHAACCACTTAAVVAH



Reverse complement motif

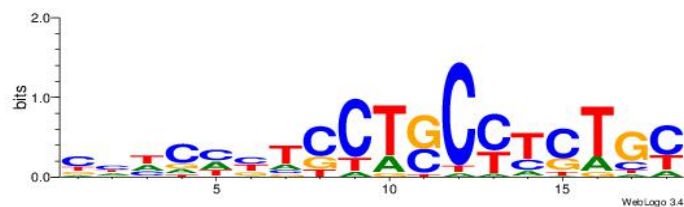
Consensus sequence: DTBVTTAAGTGGTTHHV



Dataset #: 5 Motif ID: 90 Motif name: TFM2

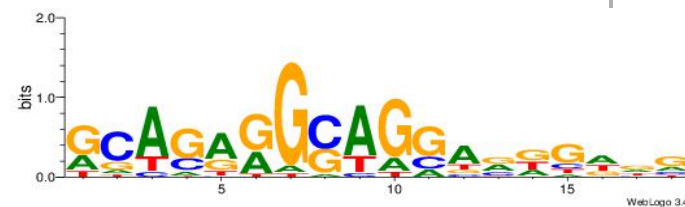
Original motif

Consensus sequence: CHHCHBTCCTSCYTCTGC



Reverse complement motif

Consensus sequence: GCAGAKGSAGGABDGHHDG



Best Matches for Motif ID 90 (Highest to Lowest)

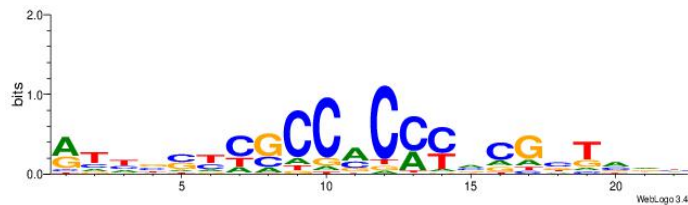
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 18
Similarity score: 0.0498793

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
CHHCHBTCCTSCYTCTGC----

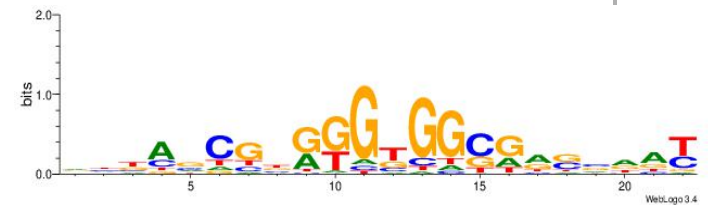
Original motif

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

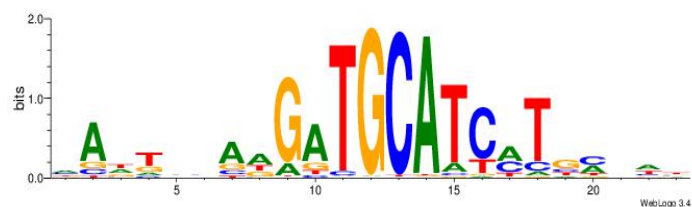
Position number: 1
Number of overlap: 18
Similarity score: 0.0564418

Alignment:

HADTBVADGATGCATCMTGMVHB
-----GCAGAKGSAGGABDGHG

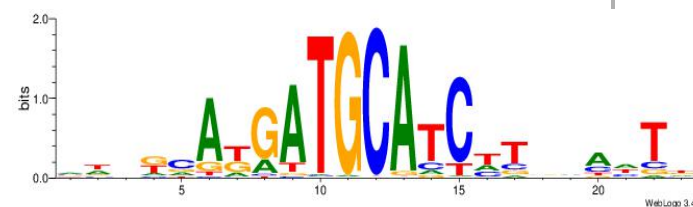
Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB



Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH



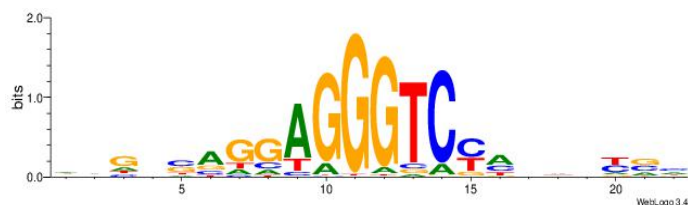
Motif ID: [UP00539](#)
Motif name: Gli2_v015681_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 18
Similarity score: 0.0565957

Alignment:

DVMHHDHKGACCCTCCTSVCBH
CHHCHBTCCTSCYTCTGC----

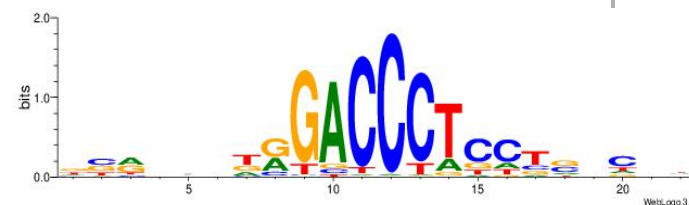
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



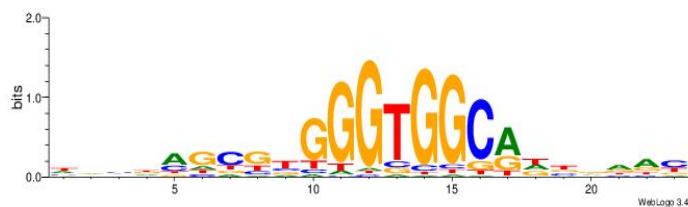
Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 6
Number of overlap: 18
Similarity score: 0.0573354

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
CHHCHBTCCTSCYTCTGC-----

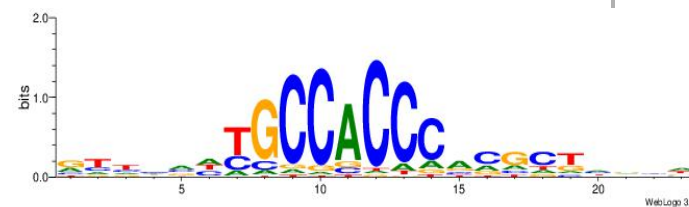
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



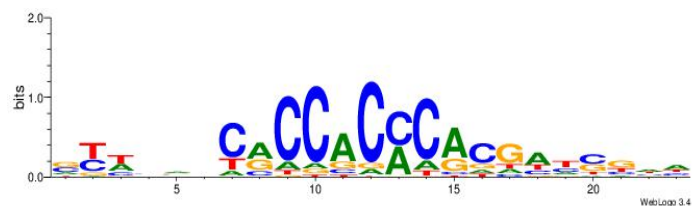
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 18
 Similarity score: 0.0598613

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 CHHCHBTCCTSCYTCTGC-----

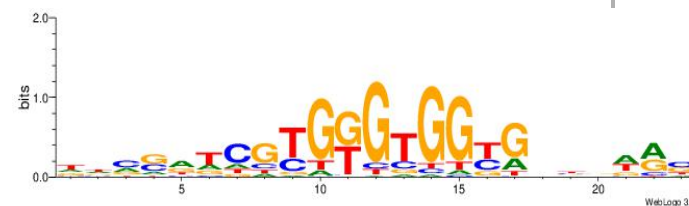
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

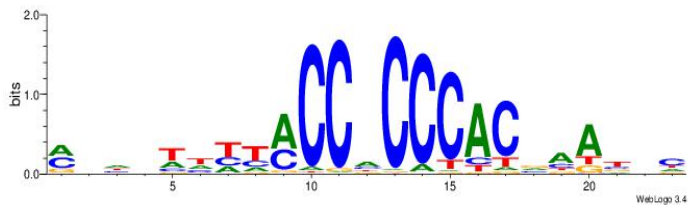


Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward

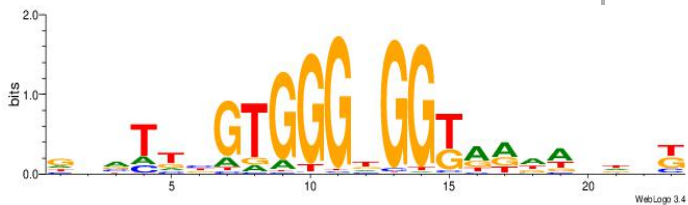
Position number: 4
Number of overlap: 18
Similarity score: 0.0598775

Alignment:
MHHHWHYTMCCCHCCCACVAABVH
--CHHCHBTCCTSCYTCTGC---

Original motif
Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif
Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY

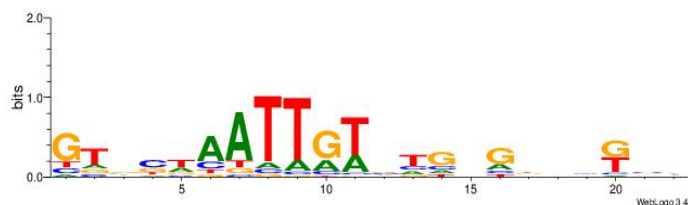


Motif ID: [UP00034](#)
Motif name: Sox7_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 18
Similarity score: 0.0606451

Alignment:
GTVBDAATTGTVTGHGDDHKVB
--GCAGAKGSAGGABDGHG--

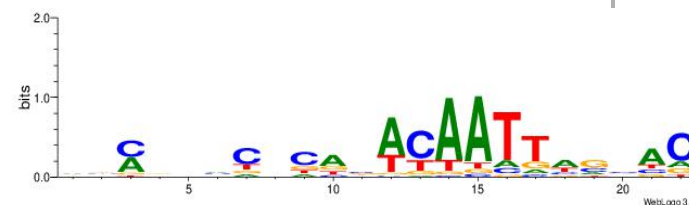
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



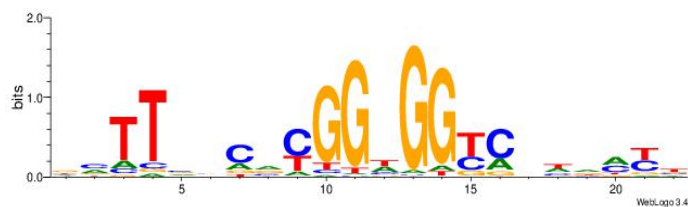
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0626287

Alignment:

VMYDHDGMCCHCCKBGVVAHVH
 -CHHCHBTCCTSCYTCTGC---

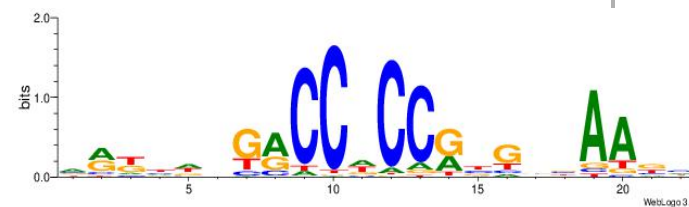
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAHVH



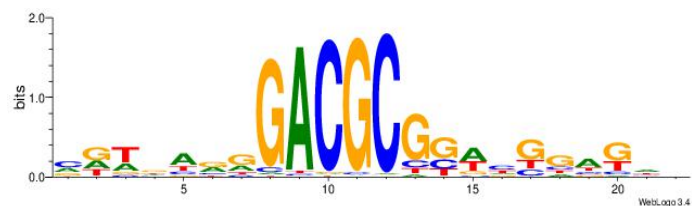
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0626567

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
 -CHHCHBTCCTSCYTCTGC---

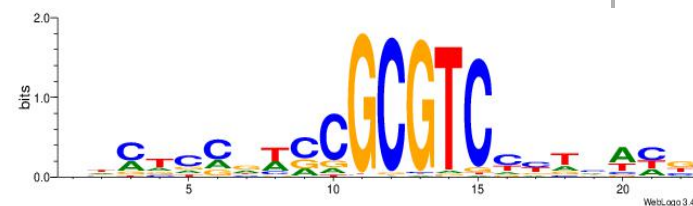
Original motif

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

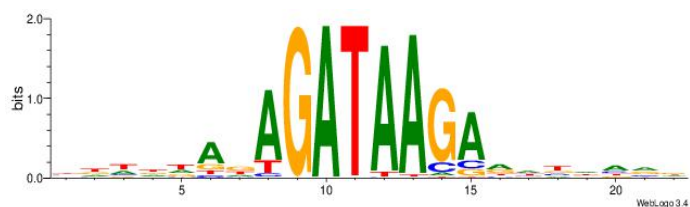
Position number: 4
Number of overlap: 18
Similarity score: 0.064761

Alignment:

HBHDVHDTCTTATCTHTDDHDV
-CHHCHBTCCTSCYTCTGC---

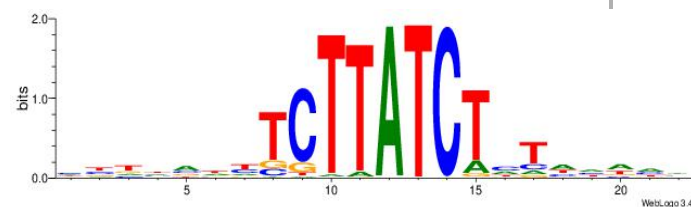
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

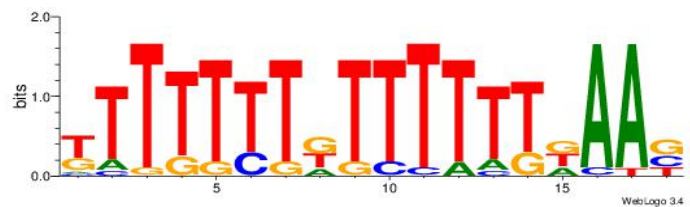
Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



Dataset #: 5 **Motif ID: 91** **Motif name: TFM3**

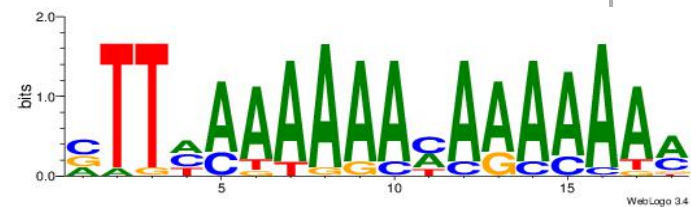
Original motif

Consensus sequence: KTTTTTTKTTTTTTDAAB



Reverse complement motif

Consensus sequence: BTTHAAAAAYAAAAAAR



Best Matches for Motif ID 91 (Highest to Lowest)

Motif ID: [UP00032](#)
Motif name: Gata3_primary

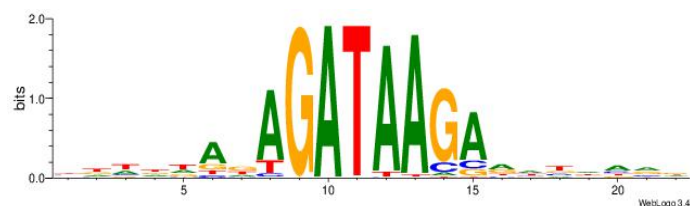
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 18
Similarity score: 0.0426153

Alignment:

HBHDVHDTCTTATCTHTDDHDV
BTTHAAAAAYAAAAAR----

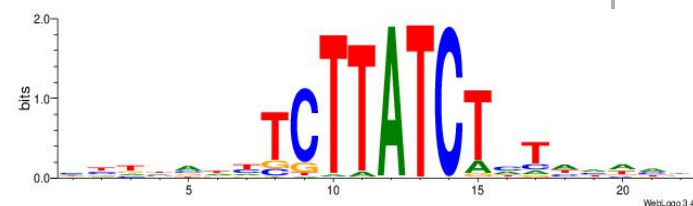
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



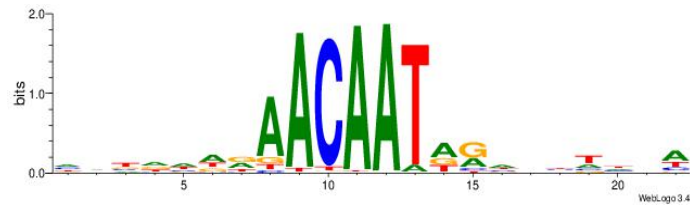
Motif ID: [UP00034](#)
Motif name: Sox7_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 18
Similarity score: 0.0478771

Alignment:

HHBDHDDAACAATDRHHHHHBW
--BTTHAAAAAAYAAAAAAR--

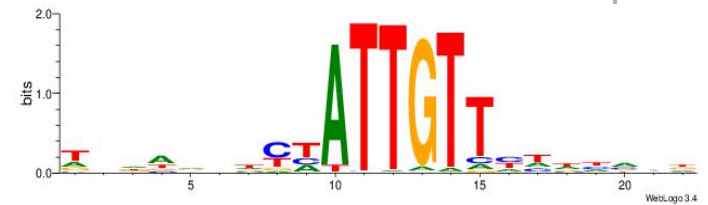
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



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:

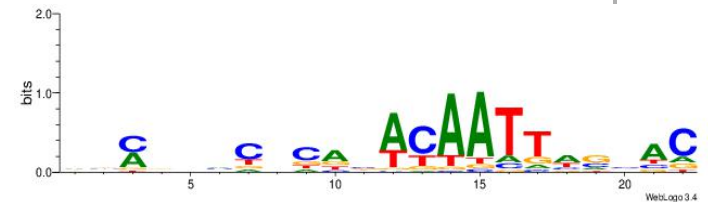
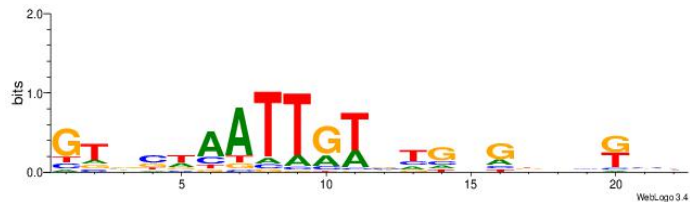
VVYDDDCHCAVACAATTDBVAC
BTTHAAAAAAYAAAAAAR----

Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB

Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



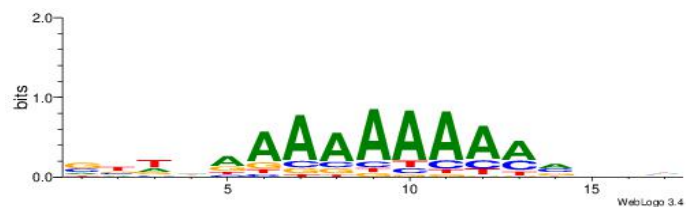
Motif ID: [UP00077](#)
 Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.52452

Alignment:

-HHVBYTTTTTTTDDVV
 KTTTTTKTTTTTTDAAB

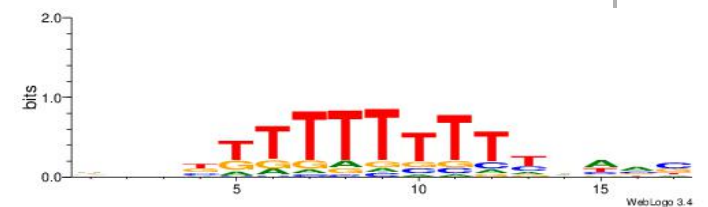
Original motif

Consensus sequence: VBDDAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTDDVV



Motif ID: [UP00090](#)

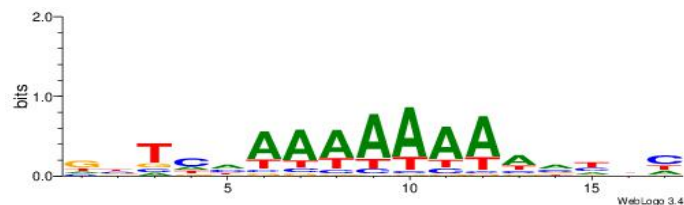
Motif name: Elf3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.531868

Alignment:

-DDHBTTTTTTTTHDAVH
 KTTTTTTKTTTTTTDAAB

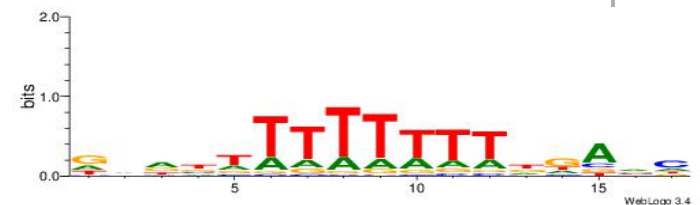
Original motif

Consensus sequence: DBTHHAAAAAAAAAVHHDH



Reverse complement motif

Consensus sequence: DDHBTTTTTTTTHDAVH



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

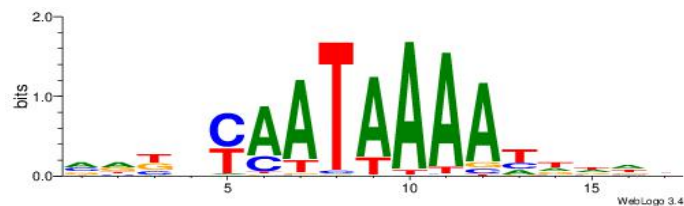
Similarity score: 0.539211

Alignment:

-HDDDATTTTATTKVRDB
KTTTTTTKTTTTTTDAAB

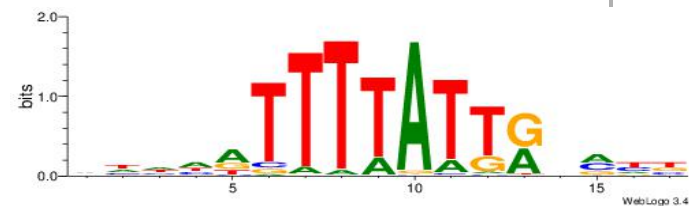
Original motif

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:

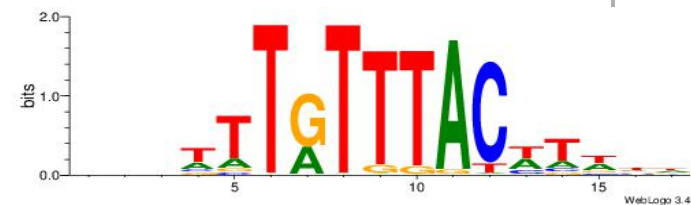
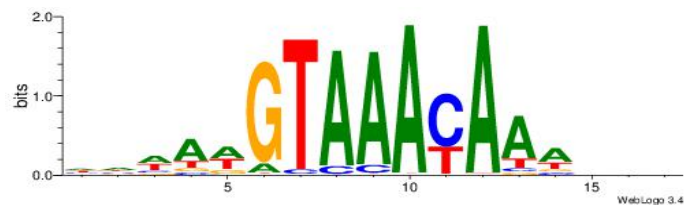
HHWAWGTAAAYAAVDB-
-KTTTTTTKTTTTTTDAAB

Original motif

Consensus sequence: HHWAWGTAAAYAAVDB

Reverse complement motif

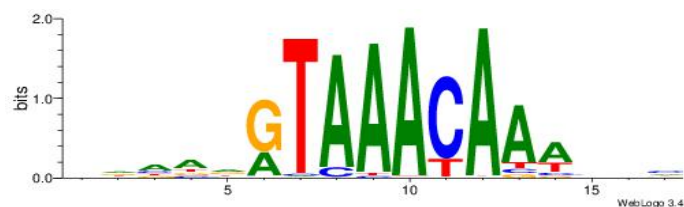
Consensus sequence: BDVTTTCTTTACWTWHH



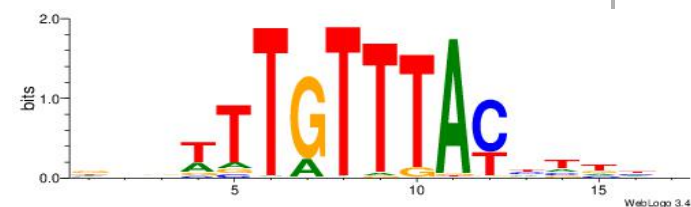
Motif ID: [UP00039](#)
 Motif name: Foxj3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.542507

Alignment:
 DVVTTTGTTCACDTHDH-
 BTTHAAAAAYAAAAAR

Original motif
 Consensus sequence: HDHADGTAAACAAVVH



Reverse complement motif
 Consensus sequence: DVVTTTGTTCACDTHDH



Motif ID: [UP00061](#)
 Motif name: Foxl1_primary

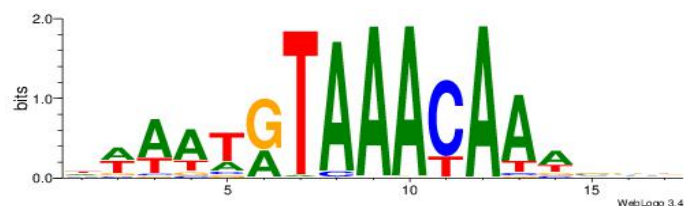
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 17
Similarity score: 0.547029

Alignment:

-VVVWTTGTTTAMATTWD
BTTHAAAAAYAAAAAR-

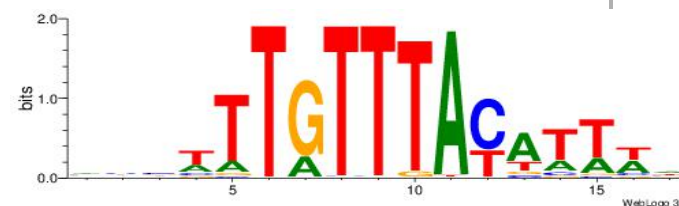
Original motif

Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



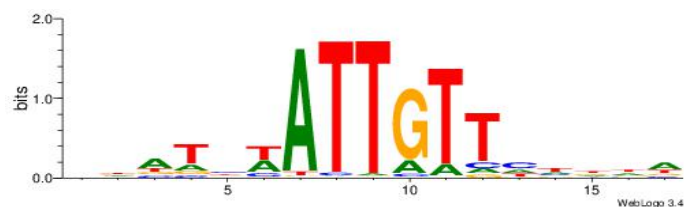
Motif ID: [UP00051](#)
Motif name: Sox8_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 17
Similarity score: 0.547298

Alignment:

-DDDHDAACAATWBATDD
BTTHAAAAAYAAAAAR-

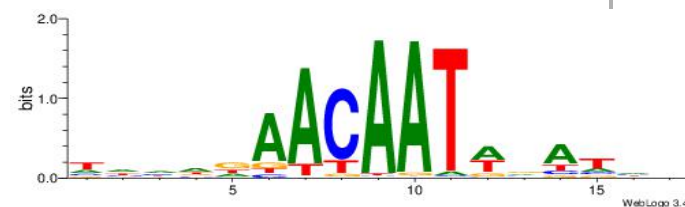
Original motif

Consensus sequence: DDATBWATTGTTHHDDD



Reverse complement motif

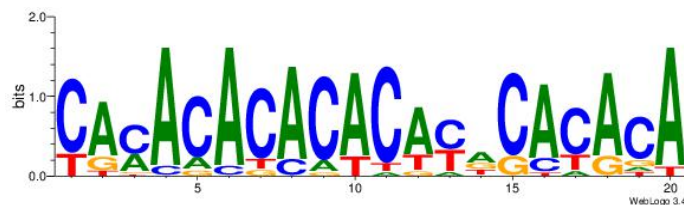
Consensus sequence: DDDHDAACAATWBATDD



Dataset #: 5 **Motif ID: 92** **Motif name: TFM11**

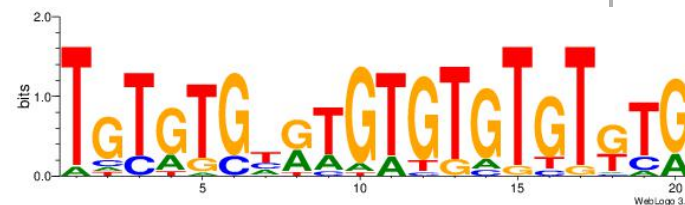
Original motif

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:	Forward
Position number:	1
Number of overlap:	20

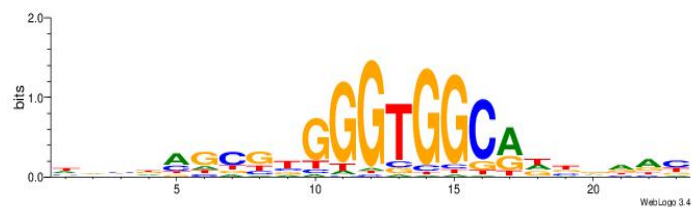
Similarity score: 0.0426758

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
TGTGTGDKTGTGTGTGTRTG---

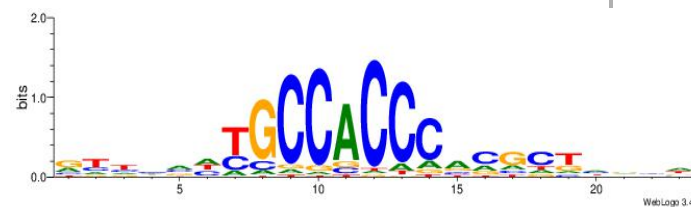
Original motif

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:

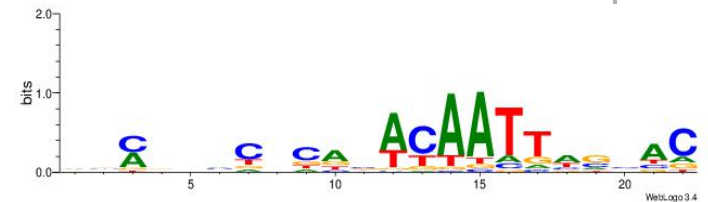
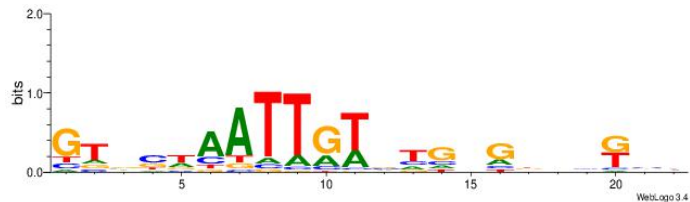
GTVBDAATTGTVTGHGDDHKVB
TGTGTGDKTGTGTGTGTRTG--

Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB

Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



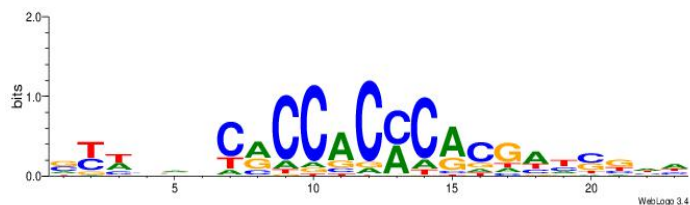
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.0449001

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 ---CAMACACACACAYDCACACA

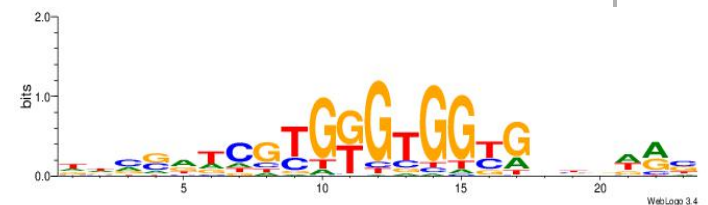
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGK GDBVWMV



Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary

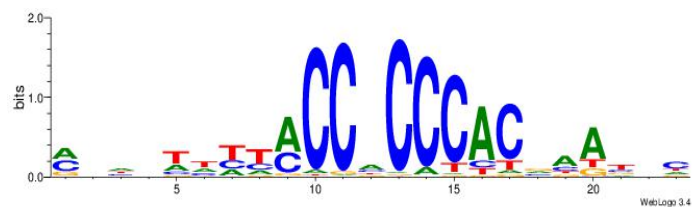
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.0492241

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 CAMACACACACAYDCACACA---

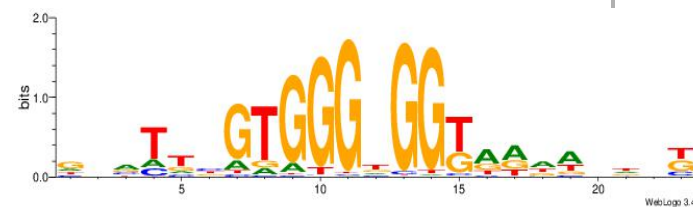
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



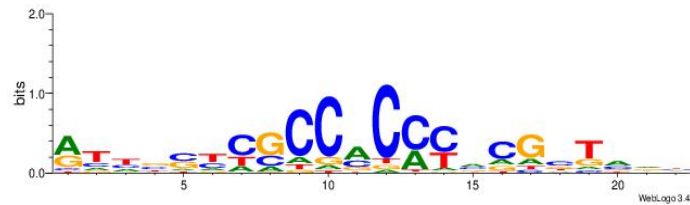
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0524009

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
-CAMACACACACAYDCACACA-

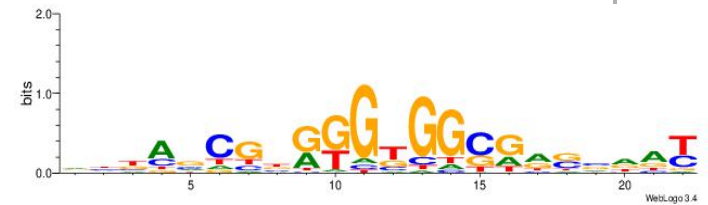
Original motif

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:	Backward
Position number:	1
Number of overlap:	20
Similarity score:	0.0527926

Alignment:

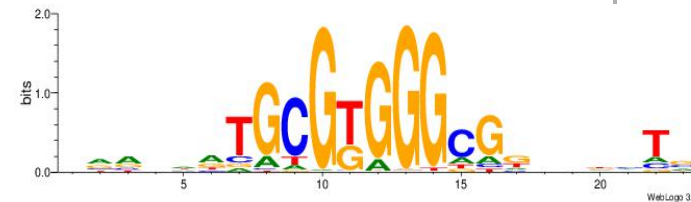
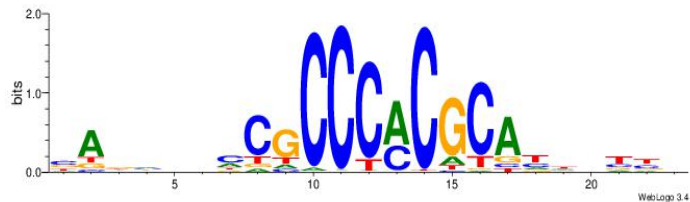
BADHBDHCGCCCMCGCAHHDBBV
---CAMACACACACAYDCACACA

Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV

Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHTB

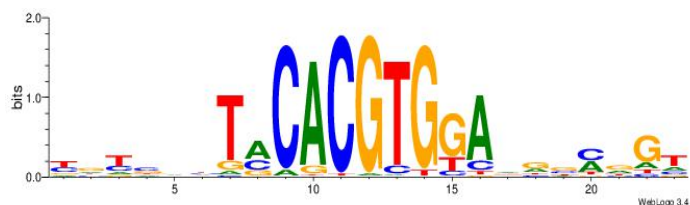


Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0547661

Alignment:
 ACHRBHDTCCACGTGYAHBMMH
 -CAMACACACACAYDCACACA--

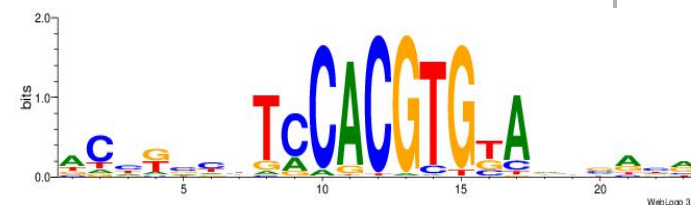
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHBMMH



Motif ID: [UP00526](#)

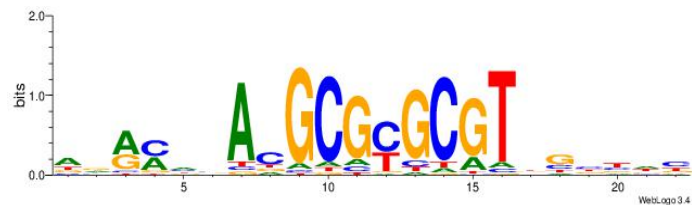
Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0575159

Alignment:

DDRMHBACGCGYGCGTDGBBDB
 -CAMACACACACAYDCACACA-

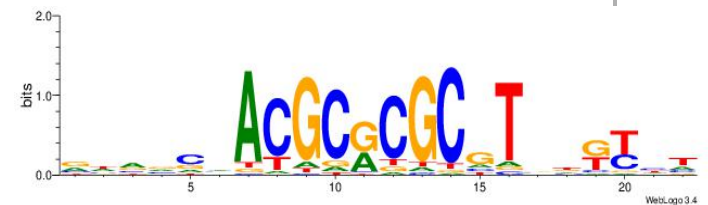
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



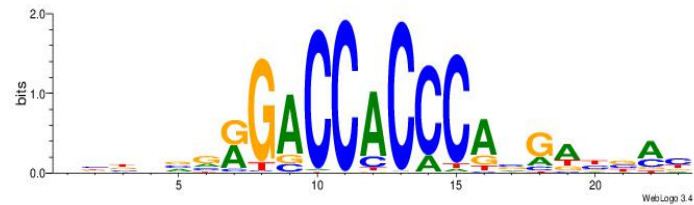
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 19
 Similarity score: 0.551038

Alignment:

-BBBDVVRGACCACCCAVGABBAB
--CAMACACACACAYDCACACA-

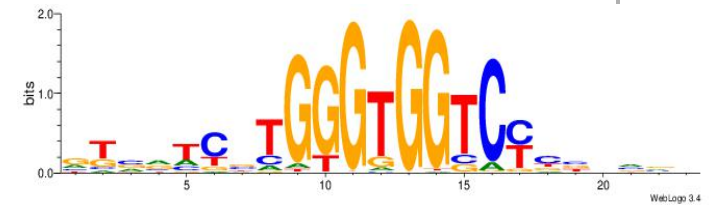
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



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:	19
Similarity score:	0.551577

Alignment:

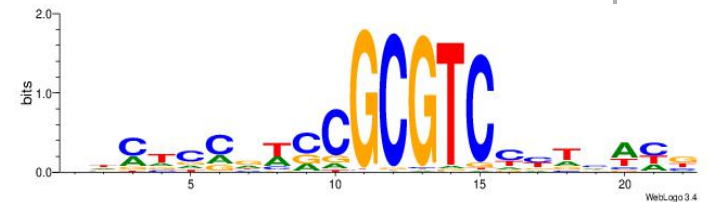
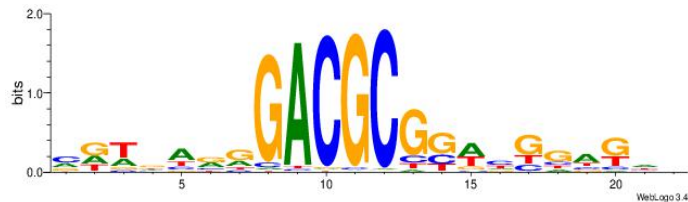
-VDWDARRGACGCGGWHGGAKHV
--CAMACACACACAYDCACACA-

Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV

Reverse complement motif

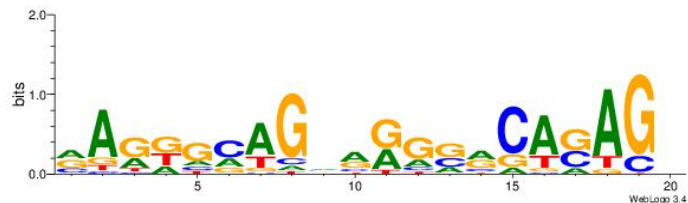
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Dataset #: 5 Motif ID: 93 Motif name: TFM12

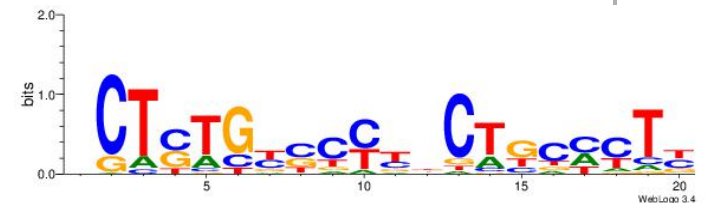
Original motif

Consensus sequence: RAGKGMAGVRRGSRCASAGV



Reverse complement motif

Consensus sequence: VCTSTGKSCMKBCTRCYCTK



Best Matches for Motif ID 93 (Highest to Lowest)

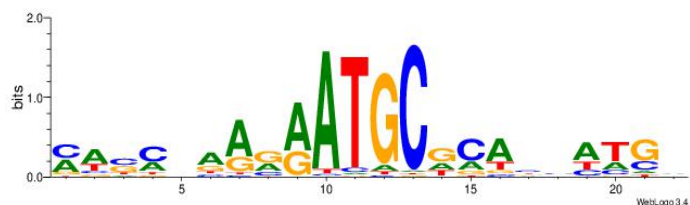
Motif ID:	UP00528
Motif name:	Foxm1_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	20
Similarity score:	0.0465838

Alignment:

```
MWSMBAARRATGCD CABHATGD
RAGKGMAGVRRGSRCASAGV--
```

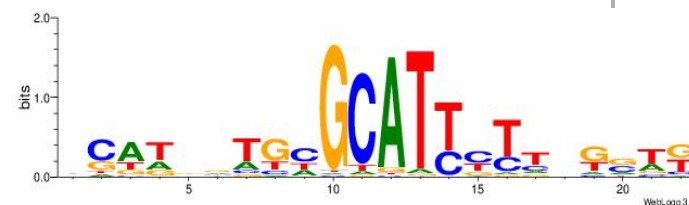
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



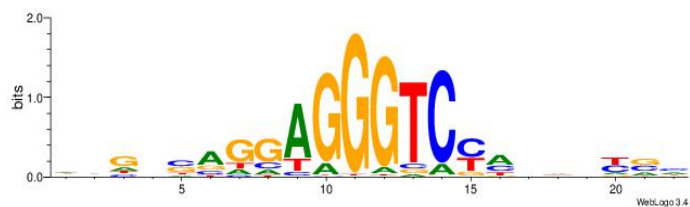
Motif ID: [UP00539](#)
Motif name: Gli2_v015681_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 20
Similarity score: 0.0472219

Alignment:

DVMHHDHKGACCCTCCTSVCBH
--VCTSTGKSCMBCTRCYCTK

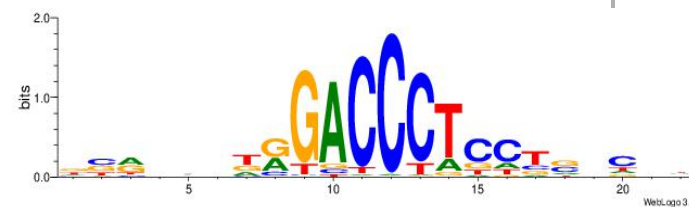
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



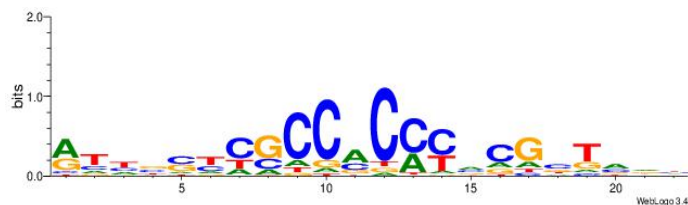
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 20
Similarity score: 0.0477526

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
VCTSTGKSCMKBCTRCYCTK--

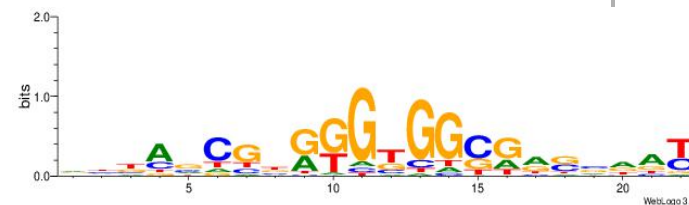
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

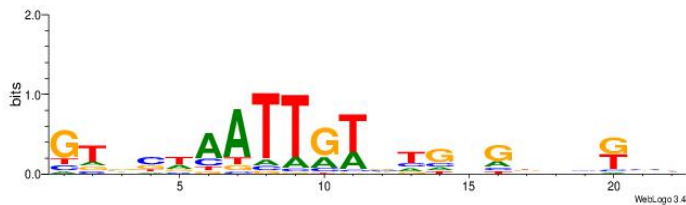


Motif ID: [UP00034](#)
Motif name: Sox7_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward

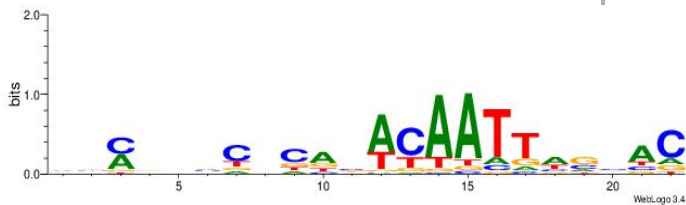
Position number: 3
Number of overlap: 20
Similarity score: 0.0479772

Alignment:
VVYDDDCHCAVACAATTDBVAC
VCTSTGKSCMKBCTRCYCTK--

Original motif
Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif
Consensus sequence: VVYDDDCHCAVACAATTDBVAC



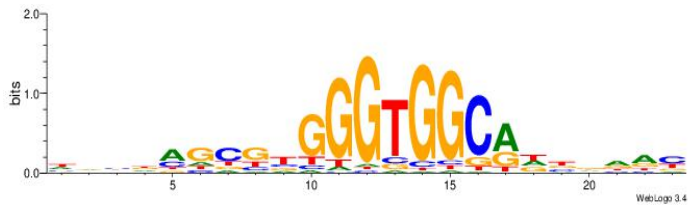
Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 20
Similarity score: 0.0487318

Alignment:
BDDHVDKGCCACCCVCGCTDBVH
VCTSTGKSCMKBCTRCYCTK---

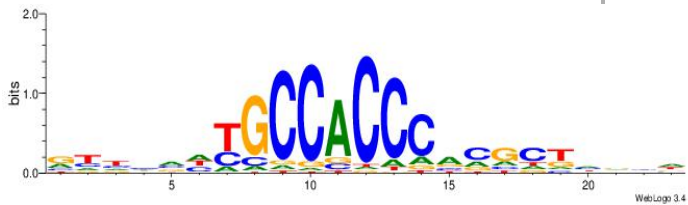
Original motif

Reverse complement motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



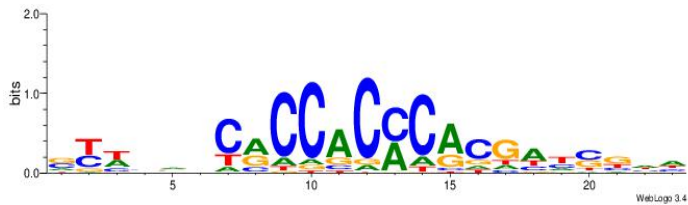
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



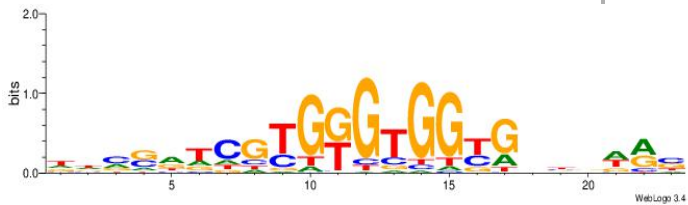
Motif ID: [UP00540](#)
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 20
Similarity score: 0.0495675

Alignment:
VYWVVHCRCCACMCACGAHSBHH
VCTSTGKSCMKBCTRCYCTK---

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



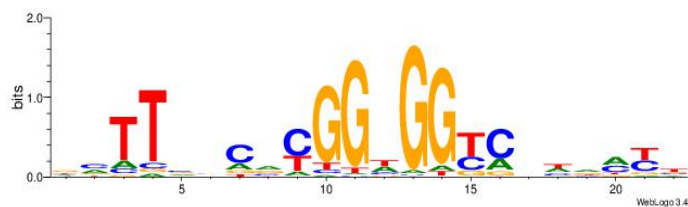
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 20
 Similarity score: 0.0506701

Alignment:

VMYDHDGMCCCHCCKBGVVAHVH
 VCTSTGKSCMKBCTRCYCTK--

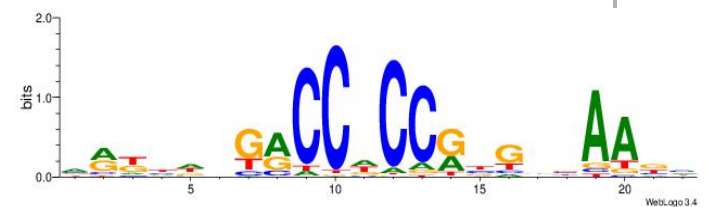
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCCKBGVVAHVH



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

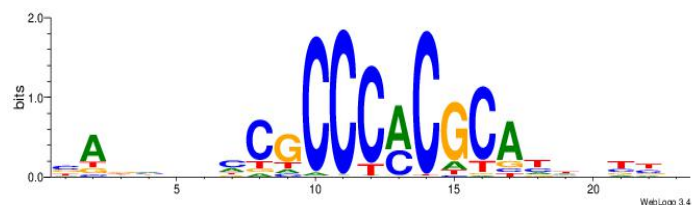
Similarity score: 0.0532516

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
RAGKGMAGVRRGSRCASAGV---

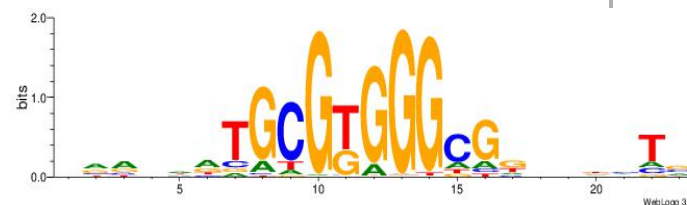
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



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:

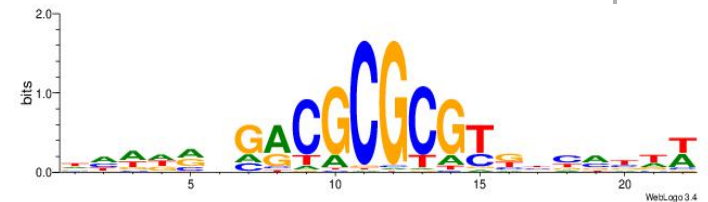
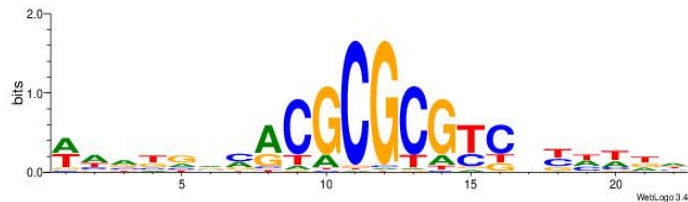
HDWHMHGACGCGCGTRBVVBHW
-VCTSTGKSCMKBCTRCYCTK-

Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH

Reverse complement motif

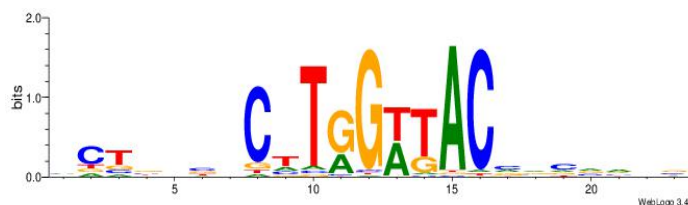
Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



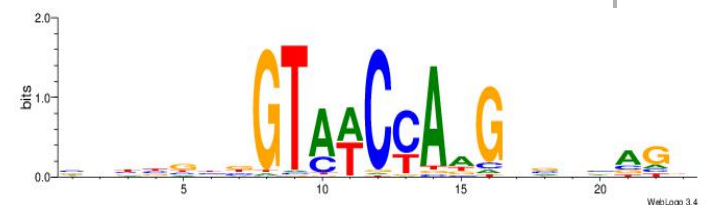
Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 20
 Similarity score: 0.0554568

Alignment:
 BDBBVBVGTAWCCAAGVBHBAGB
 ---RAGKGMAGVRRGSRCASAGV

Original motif
 Consensus sequence: VCTBHBVCTTGGWTACV VVVVDB



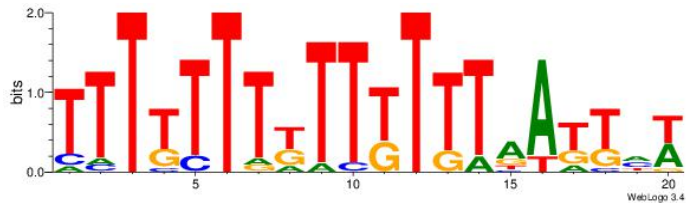
Reverse complement motif
 Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



Dataset #: 5 Motif ID: 94 Motif name: TFM13

Original motif

Consensus sequence: TTTTTTKTTKTTTAATTHW



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

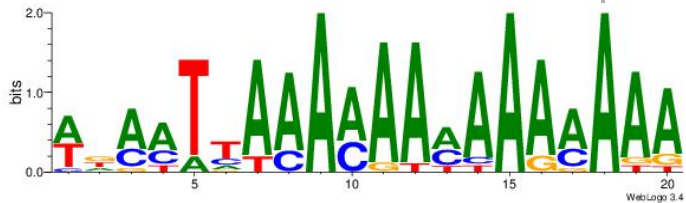
Alignment:
BDHDDADAGATAAGADHBDHVD
-WHAATTAAARAARAAAAA-

Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD

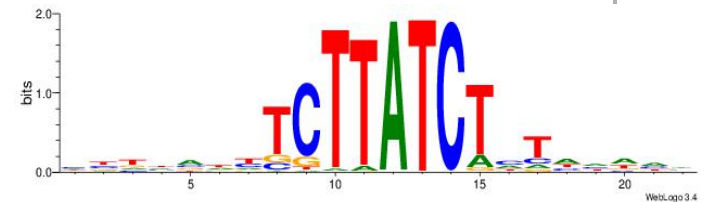
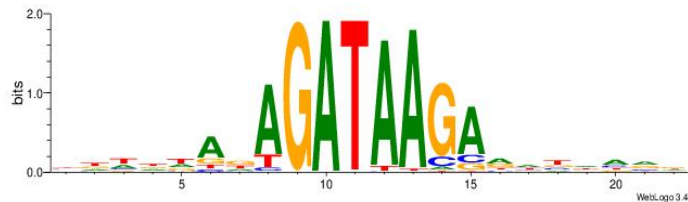
Reverse complement motif

Consensus sequence: WHAATTAAARAARAAAAA



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV

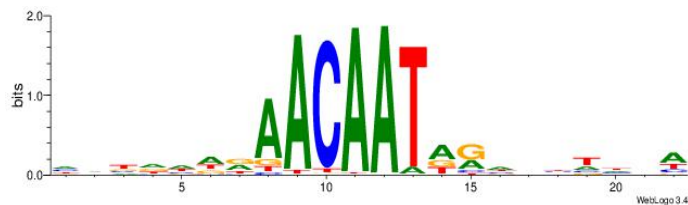


Motif ID: [UP00034](#)
 Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 20
 Similarity score: 0.0604961

Alignment:
 HHBDHDDAACAATDRHHHHHBW
 WHAATTAAARAARAAAAAA--

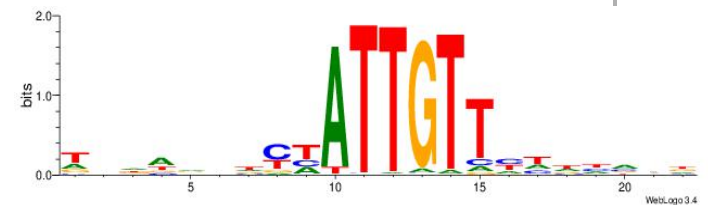
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHMDATTGTTHDHDVHH



Motif ID: [UP00032](#)

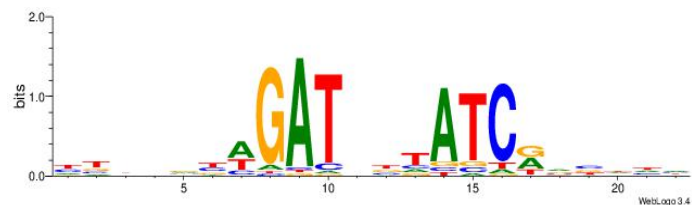
Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0784238

Alignment:

HBHDVBWGATHBTATCRVBHHH
 -TTTTTTTKTTKTTTAATTHW-

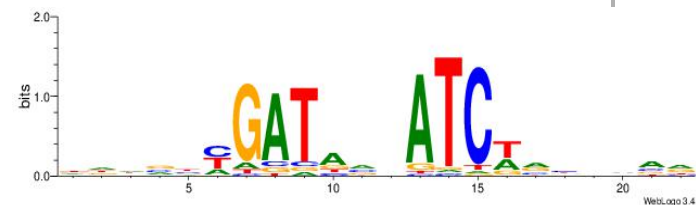
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVVH



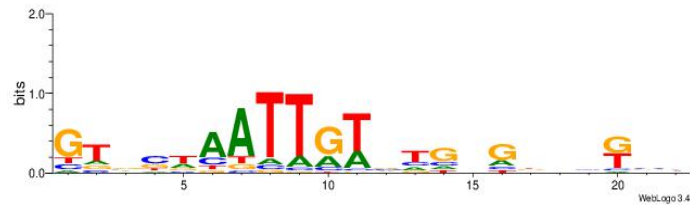
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.0790353

Alignment:

GTVBDAATTGTVTGHGDDHKVB
--TTTTTTTKTTKTTTAATTHW

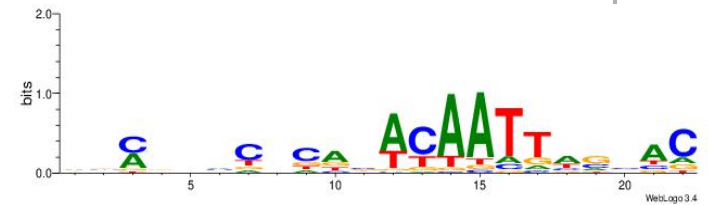
Original motif

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:

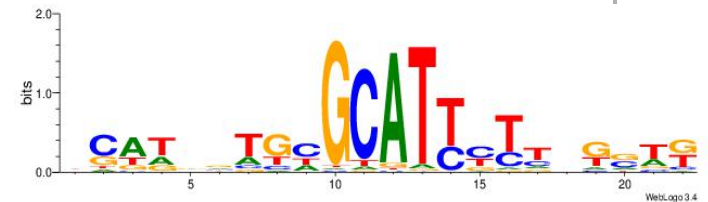
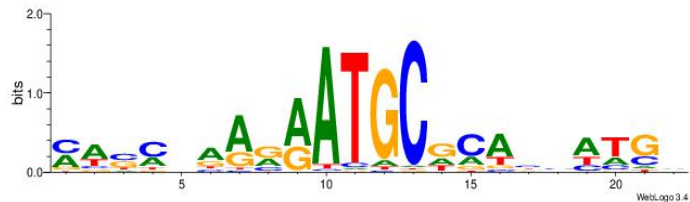
-MWSMBAARRATGCDCABHATGD
WHAATTAAARAARAAAAAAA---

Original motif

Consensus sequence: MWSMBAARRATGCDCABHATGD

Reverse complement motif

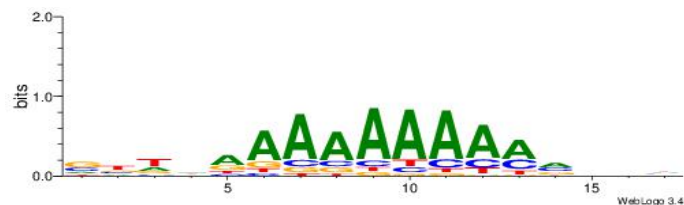
Consensus sequence: DCATDBTGHGCATKMTTBRSWR



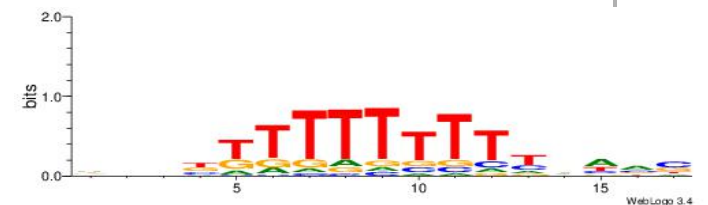
Motif ID: [UP00077](#)
 Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 17
 Similarity score: 1.5444

Alignment:
 HHVBYTTTTTTTTDDVV---
 ---WHAATTAAARAARAAAAAAA

Original motif
 Consensus sequence: VBDDAAAAAAAMVBHH



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

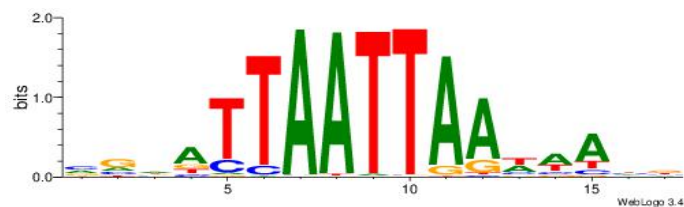
Alignment:

```

---BHTWWTTAATTAATDVV
TTTTTTTKTTKTTTAATTHW
  
```

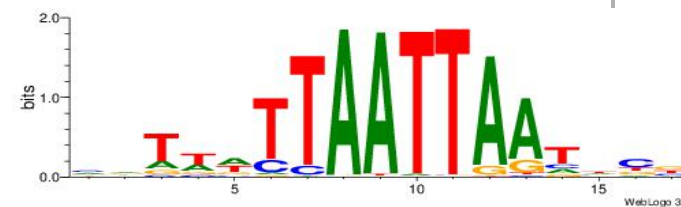
Original motif

Consensus sequence: VVDATTAATTAAWWAHB



Reverse complement motif

Consensus sequence: BHTWWTTAATTAATDVV



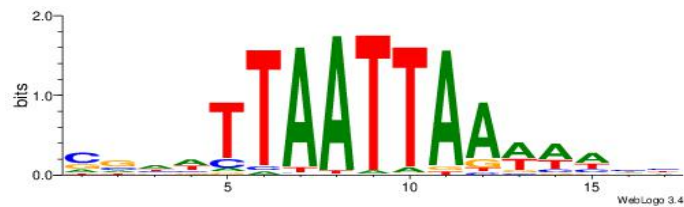
Motif ID: [UP00188](#)
 Motif name: Lmx1a
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 17
 Similarity score: 1.55162

Alignment:

```
CVHHTTAATTAAWWWHB---  
---TTTTTTTKTTKTTTAATTHW
```

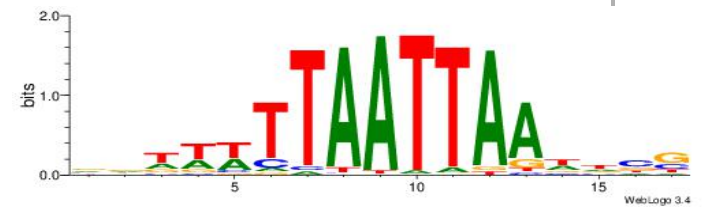
Original motif

Consensus sequence: CVHHTTAATTAAWWWHB



Reverse complement motif

Consensus sequence: BDWWWTTAATTAHHVG



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:

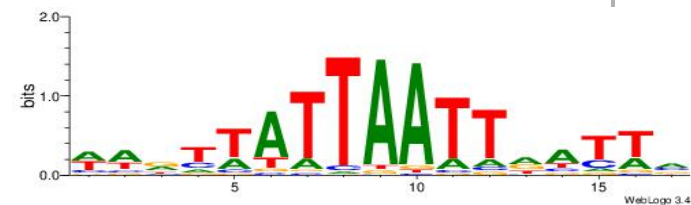
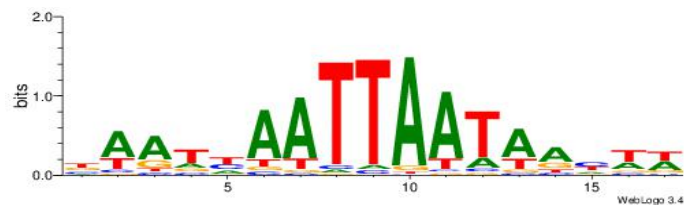
```
---BAATHAATTAATAAHHW  
TTTTTTTKTTKTTTAATTHW-
```

Original motif

Consensus sequence: BAATHAATTAATAAHHW

Reverse complement motif

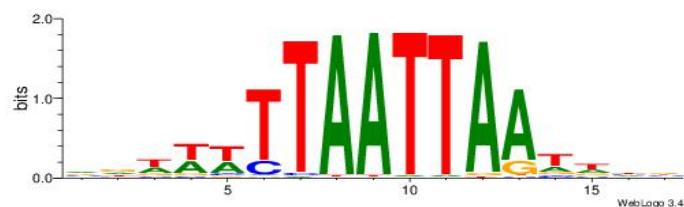
Consensus sequence: WWDTTATTAATTHATTV



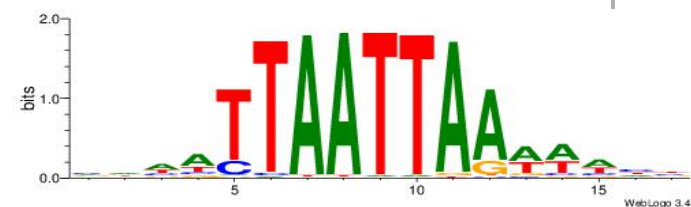
Motif ID: [UP00169](#)
 Motif name: Lmx1b
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 17
 Similarity score: 1.55258

Alignment:
 ---BHDATTAATTAAWWHB
 WHAATTAAARAARAAAAAAA---

Original motif
 Consensus sequence: VDWWTTAATTAATDHB



Reverse complement motif
 Consensus sequence: BHDATTAATTAAWWHB



Results created by MOTIFSIM on 06-18-2018 15:05:43
Runtime: 848.838 seconds

MOTIFSIM is written by Ngoc Tam L. Tran
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