



MOTIFSIM - MOTIF SIMilarity Detection Tool

Version 2.1

INPUT

Input Parameters

Number of files:	1
Number of top significant motifs:	10
Number of best matches:	5
Similarity cutoff >=	0.75
Matching motif database:	UniProbe Mus Musculus
Phylogenetic tree:	Yes
Combined similar motifs:	Yes
Output file type:	All
Output file format:	All

Input files and motif counts

File name	Count of motifs	Dataset number
CisFinder_DM721_Cluster.txt	153	1

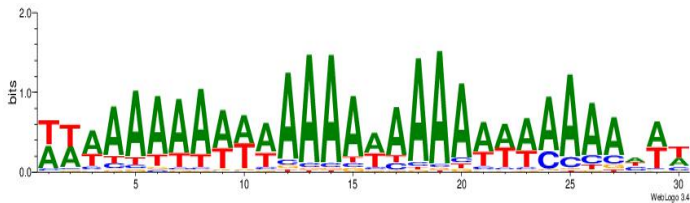
RESULTS

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

Dataset #: 1 Motif ID: 1 Motif name: C001

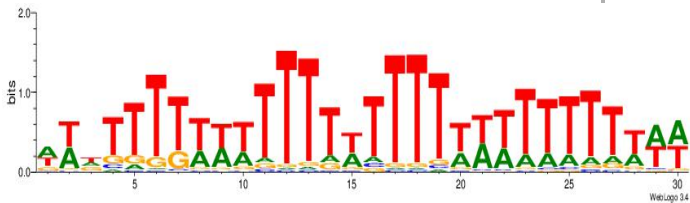
Original motif

Consensus sequence: WWWAAAAWWAAAAWAAAAWAAAAHWW



Reverse complement motif

Consensus sequence: WWHTTTTWWTTTTWTTTTTWWT



Best Matches for Motif ID 1 (Highest to Lowest)

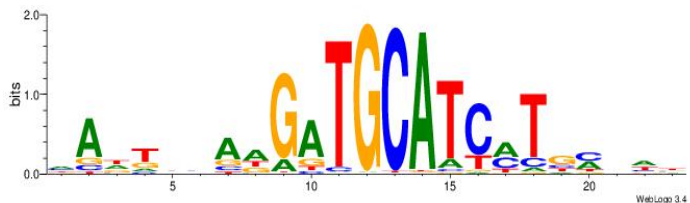
Motif ID: [UP00528](#)
Motif name: Foxm1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 23
Similarity score: 0.0846473

Alignment:

-----HADTBVADGATGCATCMTGMVHB
WWWAAAAWWAAAAWAAAAWAAAAHWW--

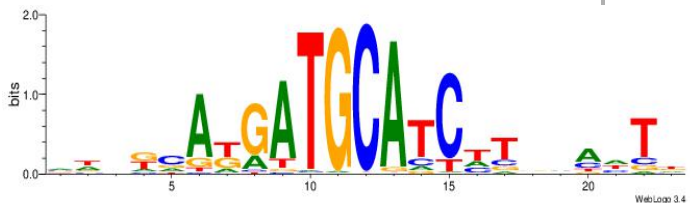
Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB



Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH



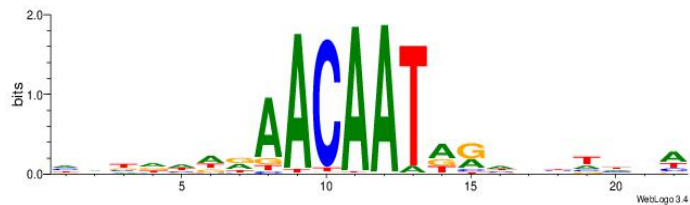
Motif ID: [UP00034](#)
 Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 22
 Similarity score: 0.561689

Alignment:

-----HHBDHDDAACAATDRHHHHHBW
 WWWAAAAAWWAAAAAWAAAAWWAAAAHWW-

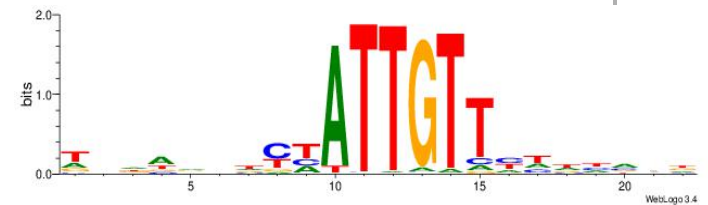
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



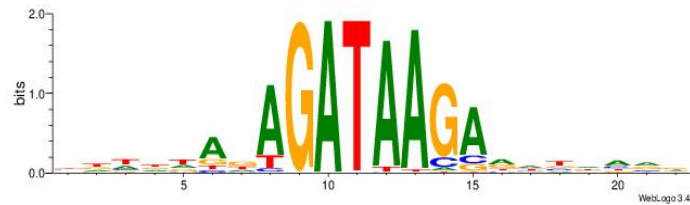
Motif ID: [UP00032](#)
 Motif name: Gata3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 22
 Similarity score: 0.566383

Alignment:

```
-----HBHDVHDTCTTATCTHTDDHDV  
WWHTTTTWWTTTTTTWTTTTTWWTTTTTWW-----
```

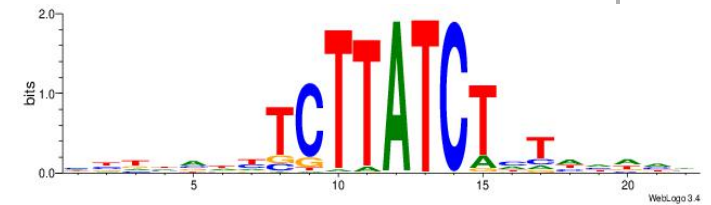
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



Motif ID:	UP00032
Motif name:	Gata3_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:	22
Similarity score:	0.575767

Alignment:

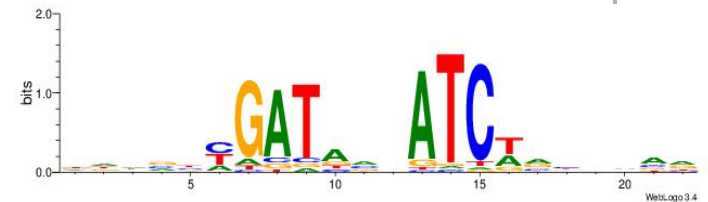
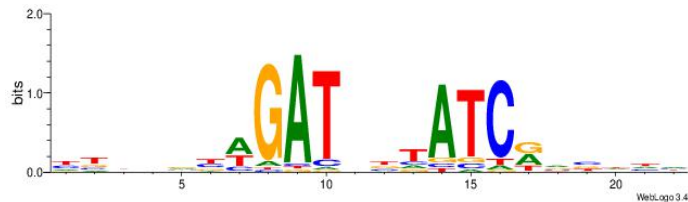
```
HBHDVBWGATHBTATCRVBHHH-----  
-----WWAAAAAWWAAAAAWWAAAAWWAAAAHWW
```

Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH

Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVH



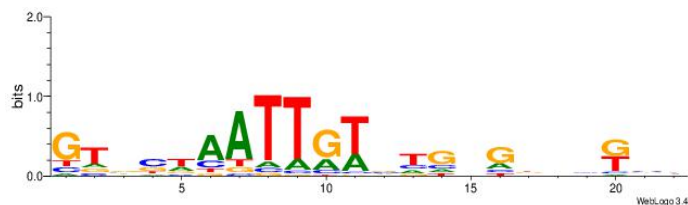
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 22
 Similarity score: 0.578275

Alignment:

-----VYDDDDCHCAVACAATTDBVAC
 WWHTTTTWWTTTTTTWTTTTTWTTTTTWW-----

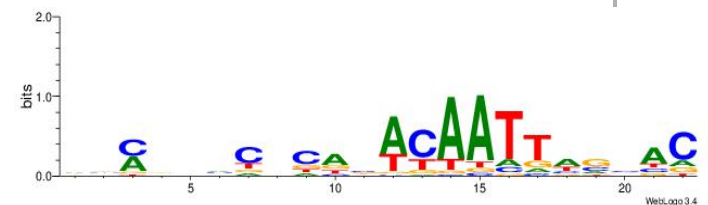
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

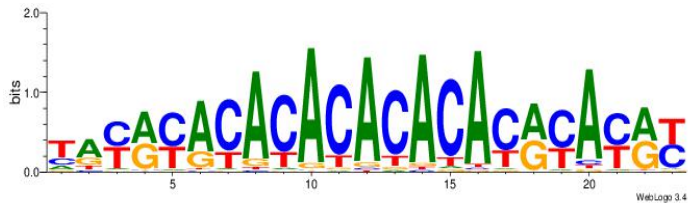
Consensus sequence: VVYDDDDCHCAVACAATTDBVAC



Dataset #: 1 **Motif ID: 2** **Motif name: C002**

Original motif

Consensus sequence: TAYRYACACACACACRYAYRY



Best Matches for Motif ID 2 (Highest to Lowest)

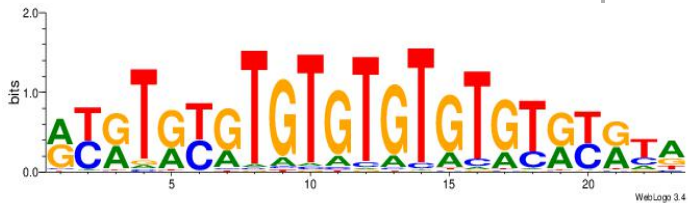
Motif ID:	UP00538
Motif name:	Gli1_v015681_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	23
Similarity score:	0.0589959

Alignment:
MHHHWHYTMCCCHCCCACVAABVH
TAYRYACACACACACACRYAYRY

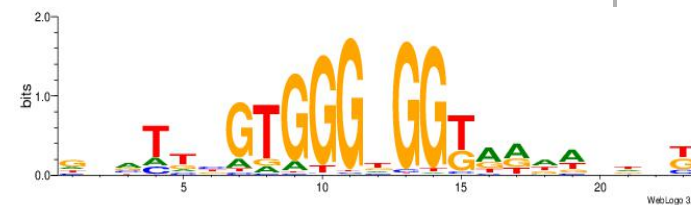
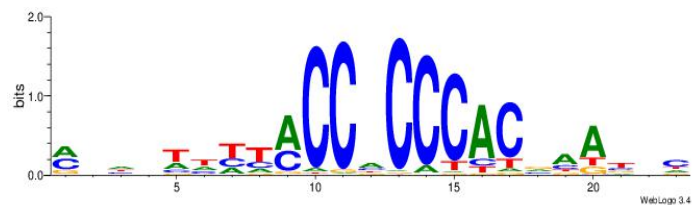
Original motif
Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH

Reverse complement motif

Consensus sequence: MKKTKKGTGTGTGTGTGTTKKKTA



Reverse complement motif
Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



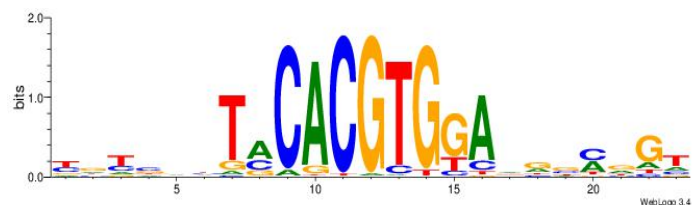
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 23
 Similarity score: 0.0678722

Alignment:

YDYBDHTMCACGTGGADDBMDGT
 TAYRYACACACACACRYAYRY

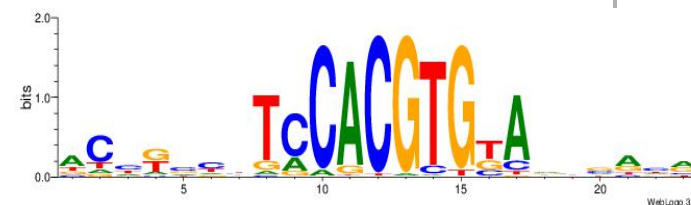
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



Motif ID: [UP00538](#)

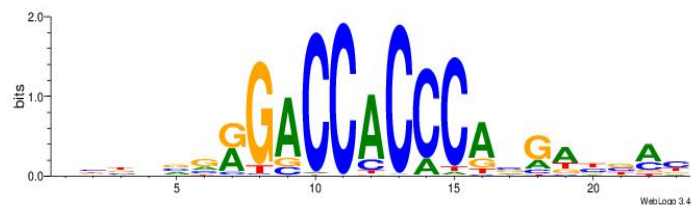
Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 23
 Similarity score: 0.0739216

Alignment:

BBBDVVRGACCACCCAVGABBAB
 TAYRYACACACACACACRYAYRY

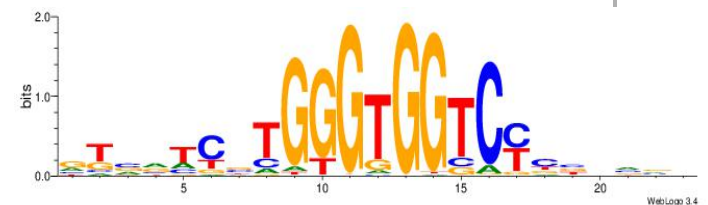
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB

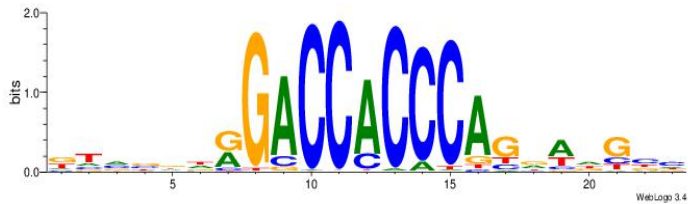


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 23

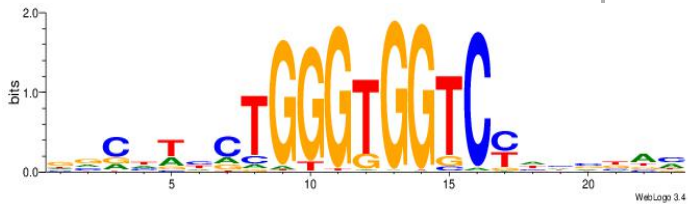
Similarity score: 0.077586

Alignment:
DTVBD DRGACCACCCAGDWDGBH
TAYRYACACACACACRYAYRY

Original motif
Consensus sequence: DTVBD DRGACCACCCAGDWDGBH



Reverse complement motif
Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH

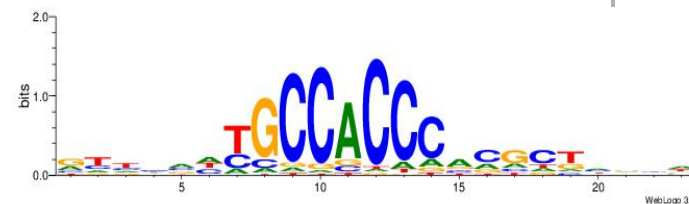
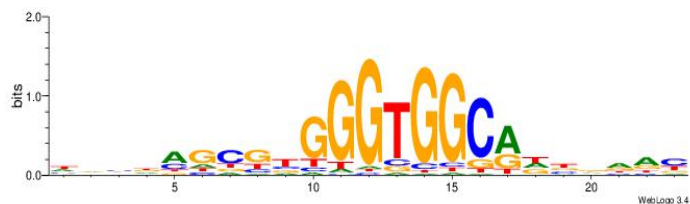


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 22
Similarity score: 0.55938

Alignment:
-HVBDAGCGBGGGTGGCRDBDDDB
MKKTKKGTGTGTGTGTGTTKKTA-

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

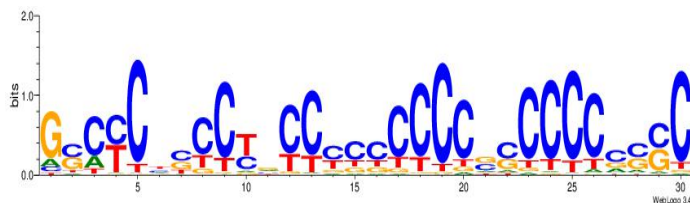
Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Dataset #: 1 Motif ID: 3 Motif name: C003

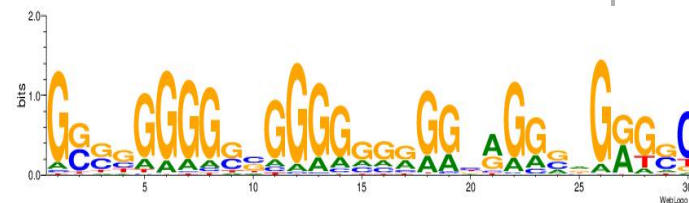
Original motif

Consensus sequence: GSCYCHSCCYVCCYCCCCCSCCCCCSSC



Reverse complement motif

Consensus sequence: GSSGGGGSSGGGGGGKGGVMG



Best Matches for Motif ID 3 (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:	2
Number of overlap:	23
Similarity score:	0.0504417

Alignment:

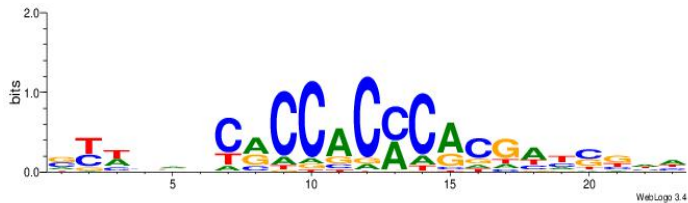
```

-----VYWVVHCRCCACMCACGAHSBHH
GSCYCHSCCYVCCYCCCCCSCCCCCSSC-

```

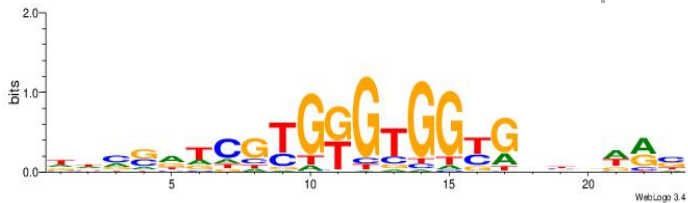
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

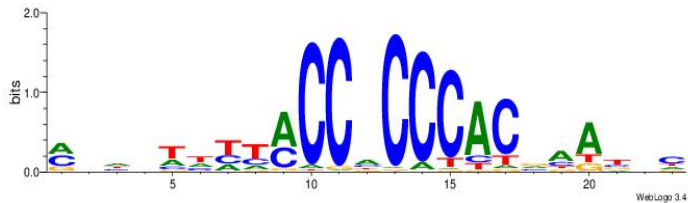


Motif ID: [UP00538](#)
Motif name: Gli1_v015681_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 23
Similarity score: 0.0508168

Alignment:
-----MHHHWHYTMCHCCCACVAABVH
GSCYCHSCCYVCCYCCCCCSCCCCCSSC--

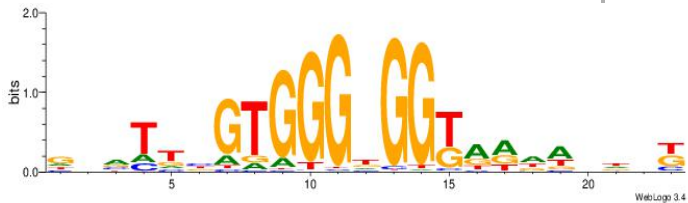
Original motif

Consensus sequence: MHHHWHYTMCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



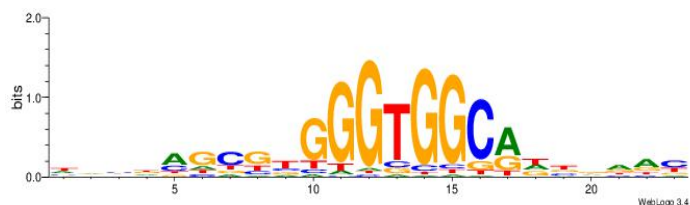
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 23
 Similarity score: 0.0518257

Alignment:

BDDHVDKGCCACCCVCGCTDBVH-----
 -GSSGGGGGSSGGGGGGKGGVMGGSHGKGSC

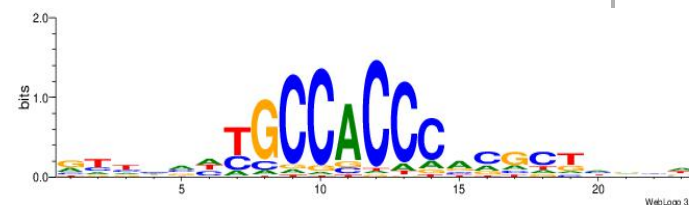
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



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: 23

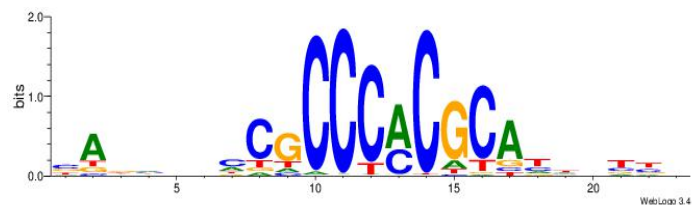
Similarity score: 0.05306

Alignment:

```
-----BADHBDHCGCCCMCGCAHHDBBV  
GSCYCHSCCYVCCYCCCCCSCCCCCSSC
```

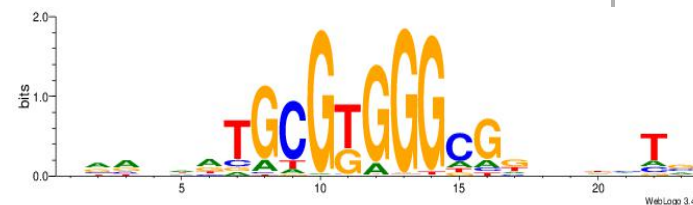
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHHTB



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: 6
Number of overlap: 23
Similarity score: 0.0591633

Alignment:

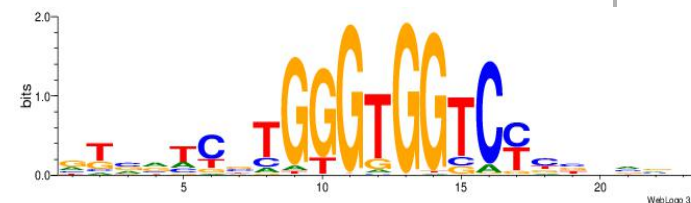
```
-----BTBVTCTVTGGGTGGTCMVVDVBB  
GSSGGGGGSSGGGGGKGGVMGGS SHGK GSC-----
```

Original motif

Consensus sequence: BBBDVVRGACCACCAVGABBAB

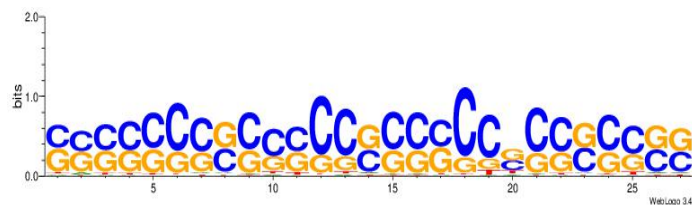
Reverse complement motif

Consensus sequence: BTBVTCTVTGGGTGGTCMVVDVBB



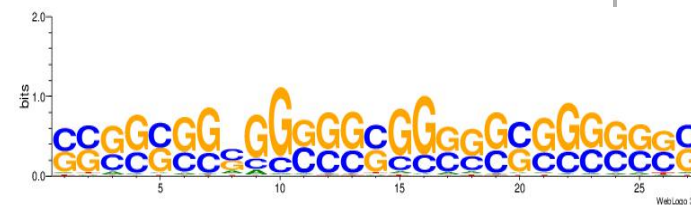
Original motif

Consensus sequence: SSSSSCSSSSSCSSSSCCSCSSSSSS



Reverse complement motif

Consensus sequence: SSSSSSGSGSSSSSGSSSSSGSS



Best Matches for Motif ID 4 (Highest to Lowest)

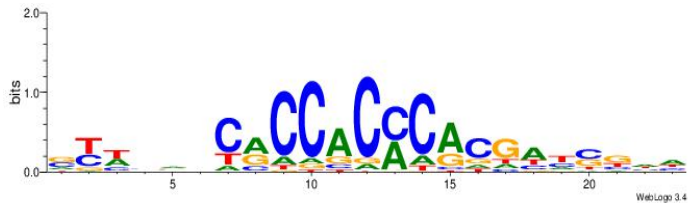
Motif ID:	UP00540
Motif name:	Gli3_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	23
Similarity score:	0.0378869

Alignment:

HHBSHTCGTGRGTGGKGDBVWMV----
-SSSSSSSGSGGSSSSSGGSSSSSSGSSSSS

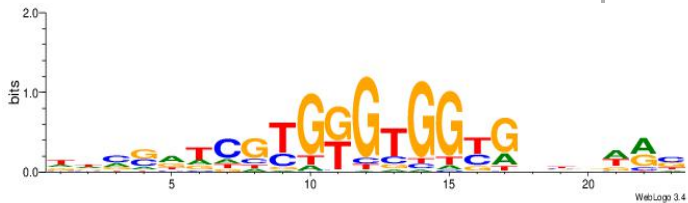
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGK⁺GDBVWMV

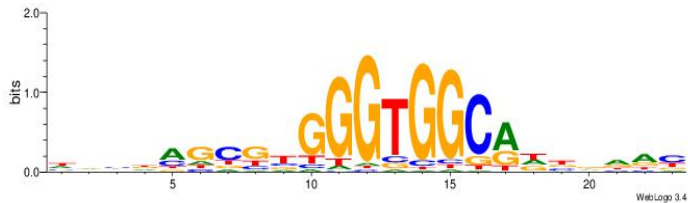


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 23
Similarity score: 0.042097

Alignment:
----HVBDAGCGBGGGTGGCRDBDDDB
SSSSSCSSSSSCSSSSCCSCSSSSSS----

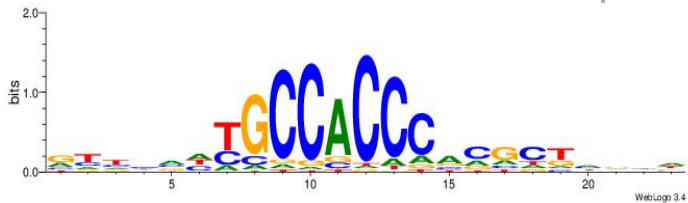
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



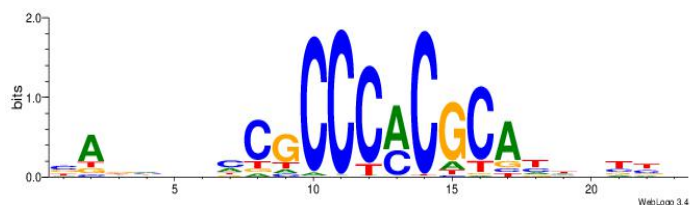
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 23
 Similarity score: 0.042858

Alignment:

VVVDHHTGCGYGGGCGDHSVHHTB----
 --SSSSSSSGSGGSSSSSGSSSSSGSSSSS

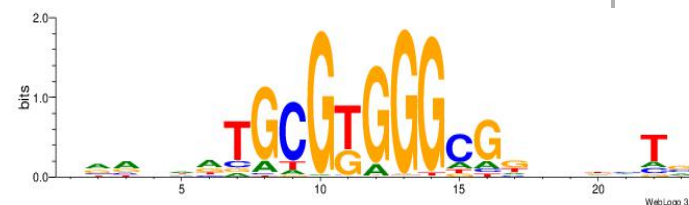
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB



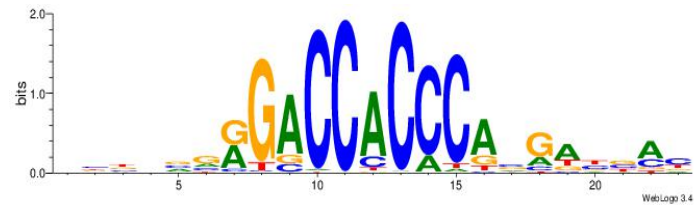
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 23
 Similarity score: 0.0467324

Alignment:

```
BTBVTCTVGGGTGGTCMVVDVBB----  
--SSSSSSSGSGGSSSSSGSSSSSGSSSSSS
```

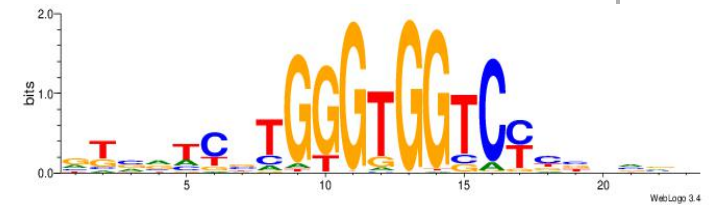
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



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:	4
Number of overlap:	23
Similarity score:	0.0486423

Alignment:

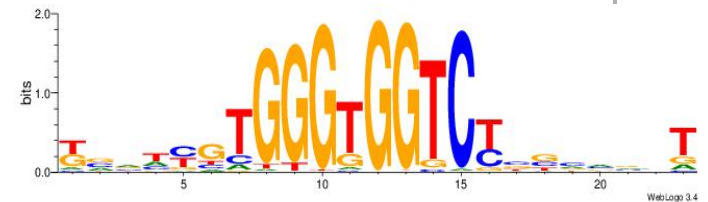
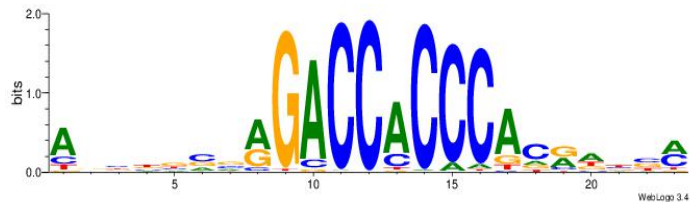
```
----ABBBBVVRGACCACCCACRDBBM  
SSSSSCSSSSSCSSSSSCSCSSSSSS---
```

Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM

Reverse complement motif

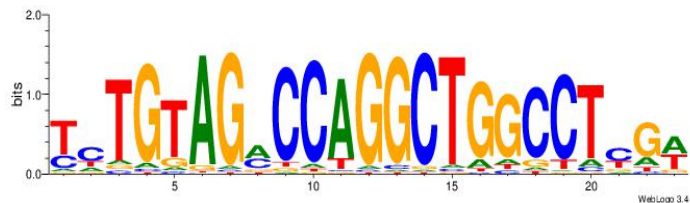
Consensus sequence: YBVDMGTTGGGTGGTCKVVBVBBT



Dataset #: 1 Motif ID: 5 Motif name: C005

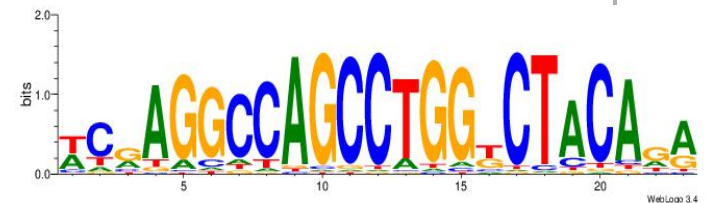
Original motif

Consensus sequence: TCTGTAGMCCAGGCTGGCCTYGW



Reverse complement motif

Consensus sequence: WCKAGGCCAGCCTGGYCTACAGA



Best Matches for Motif ID 5 (Highest to Lowest)

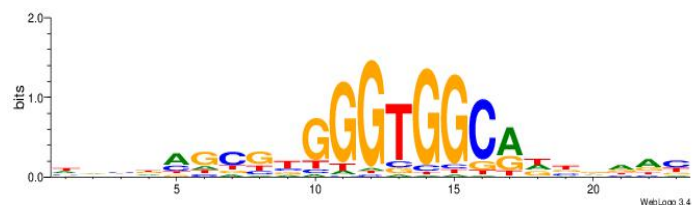
Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	23
Similarity score:	0.0620662

Alignment:

```
HVBDAGCGBGGGTGGCRDBDDDB
TCTGTAGMCCAGGCTGGCCTYGW
```

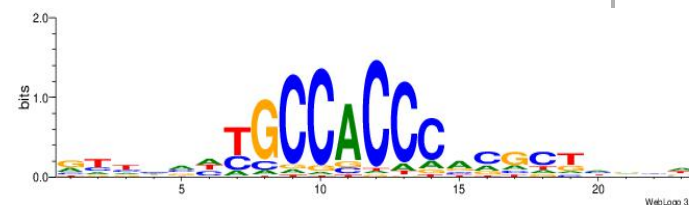
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



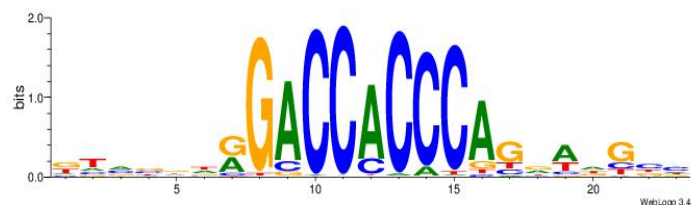
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 22
 Similarity score: 0.553936

Alignment:

–DTVBD DRGACCA CCCAGDWDGBH
 TCTGTAGMCCAGGCTGGCCTYGW–

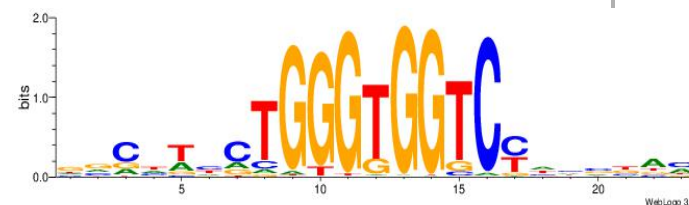
Original motif

Consensus sequence: DTVBDDRGACCACCCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



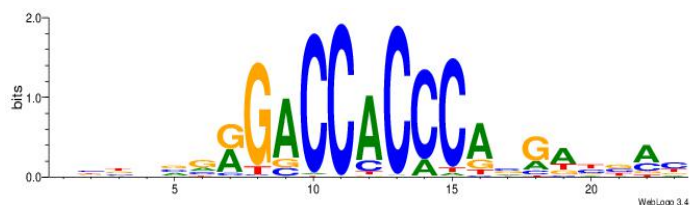
Motif ID: [UP00538](#)
Motif name: Gli1_v015681_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 22
Similarity score: 0.556669

Alignment:

–BBBDVVRGACCACCCAVGABBAB
TCTGTAGMCCAGGCTGGCCTYGW–

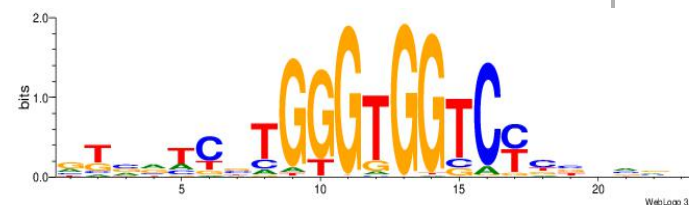
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



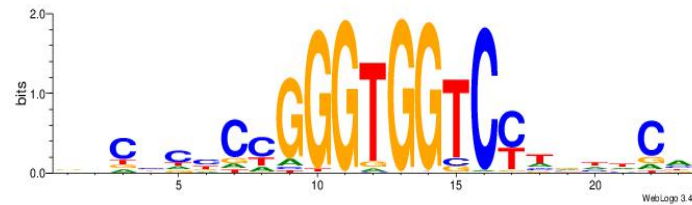
Motif ID: [UP00538](#)
Motif name: Gli1_v016060_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 22
Similarity score: 0.55849

Alignment:

HGDHVKHGACCAACCGGBGBGDB-
-WCKAGGCCAGCCTGGYCTACAGA

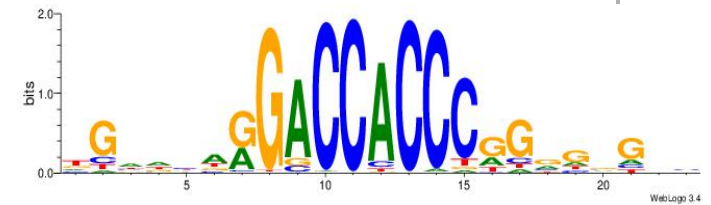
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif

Consensus sequence: HGDHVKHGACCAACCGGBGBGDB



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:	1
Number of overlap:	22
Similarity score:	0.56544

Alignment:

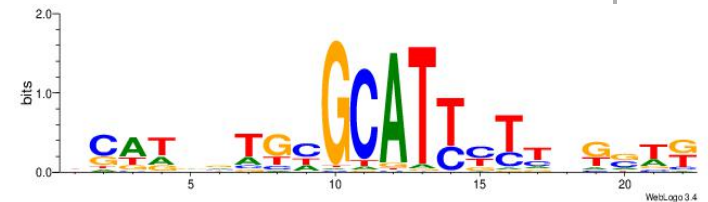
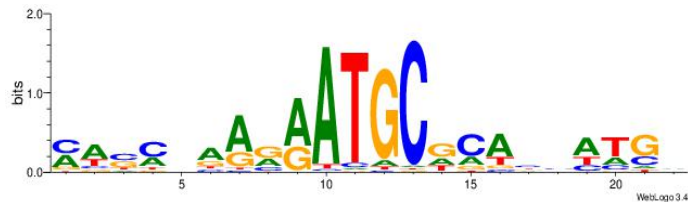
DCATDBTGHGCATKMTTBRSWR-
WCKAGGCCAGCCTGGYCTACAGA

Original motif

Consensus sequence: MWSMBAARRATGCDCAHATGD

Reverse complement motif

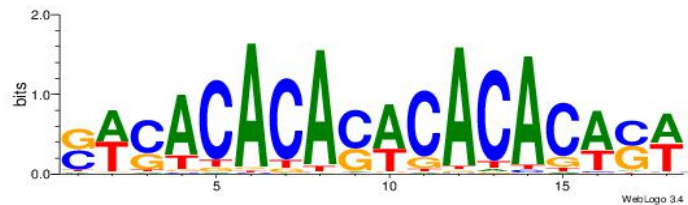
Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Dataset #: 1 Motif ID: 6 Motif name: C006

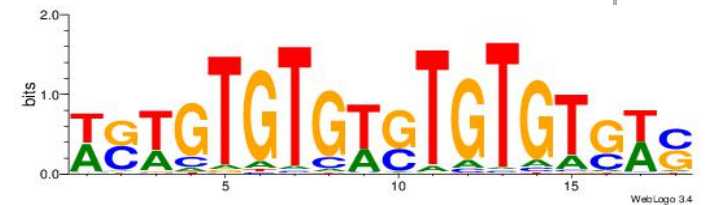
Original motif

Consensus sequence: SWCACACASWCACACWSW



Reverse complement motif

Consensus sequence: WSWGTTGTGWSTGTGTGWS



Best Matches for Motif ID 6 (Highest to Lowest)

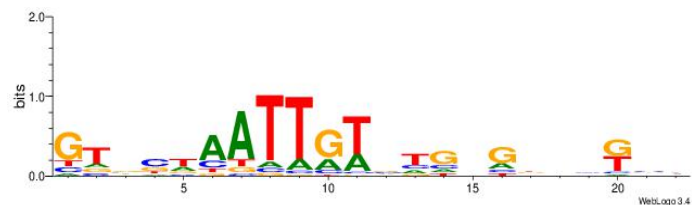
Motif ID:	UP00034
Motif name:	Sox7_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	18
Similarity score:	0.0361661

Alignment:

VVYDDDCHCAVACAATTDBVAC
--SWCACACASWCACACWSW--

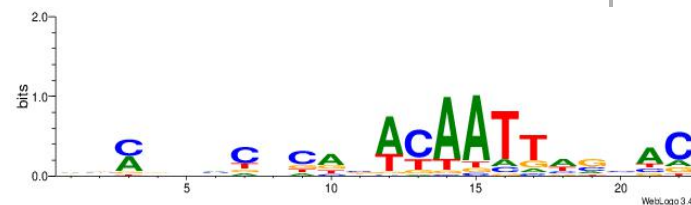
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



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:	3
Number of overlap:	18
Similarity score:	0.0406554

Alignment:

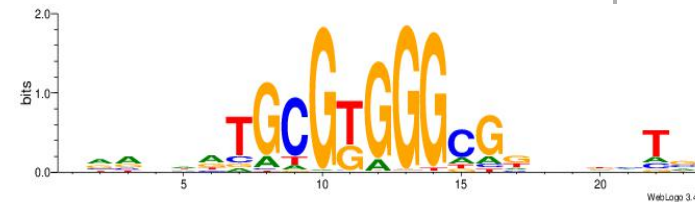
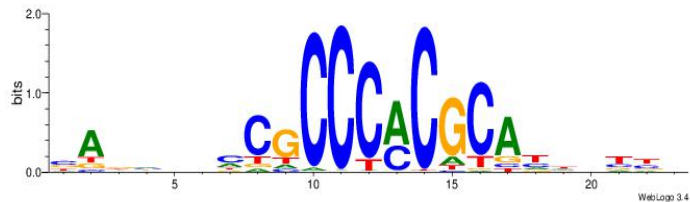
BADHBDHCGCCCMCGCAHHDBBV
---SWCACACASWCACACWSW--

Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV

Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



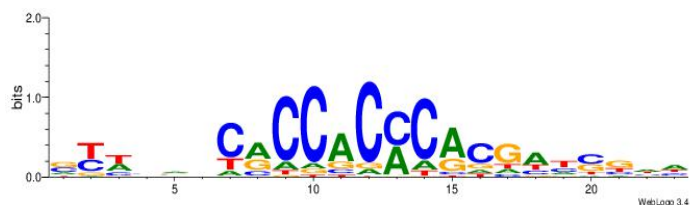
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 18
 Similarity score: 0.040868

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 -SWCACACASWCACACWSW-----

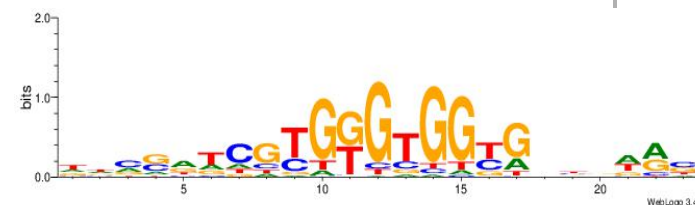
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Motif ID: [UP00538](#)

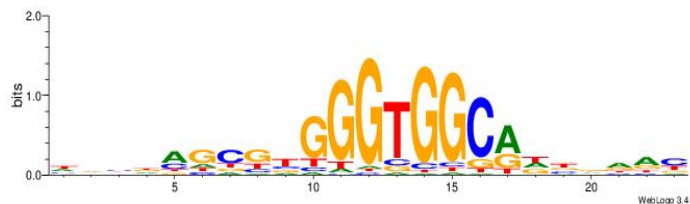
Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0421858

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
 WSWGTTGTGWSTGTGTGWS-----

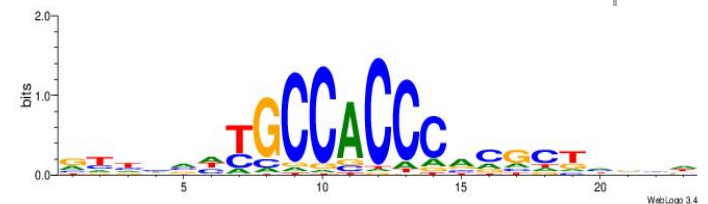
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

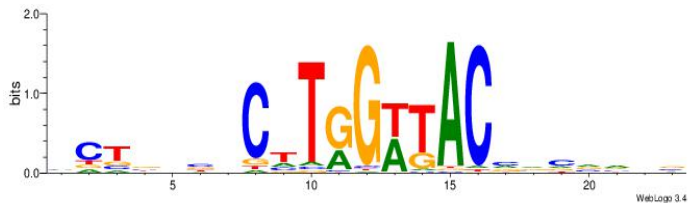


Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 18

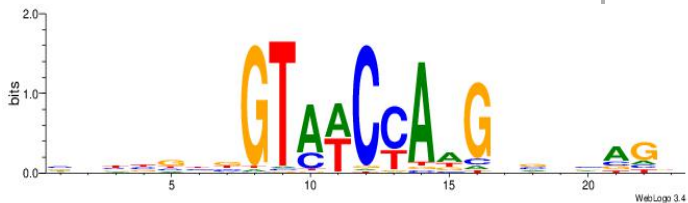
Similarity score: 0.0427432

Alignment:
VCTBHBVCTTGGWTACVVVVVDB
---SWCACACASWCACACWSW---

Original motif
Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB

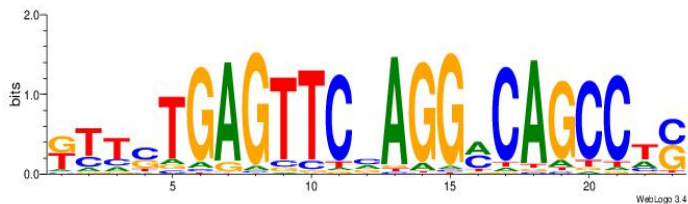


Reverse complement motif
Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB

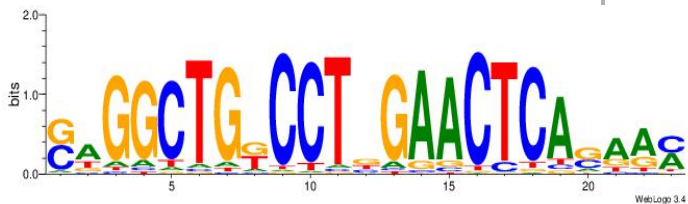


Dataset #: 1 Motif ID: 7 Motif name: C007

Original motif
Consensus sequence: KTTSTGAGTTCVAGGMCAGCCTS



Reverse complement motif
Consensus sequence: SAGGCTGYCCTVGAAGTCASAAY



Best Matches for Motif ID 7 (Highest to Lowest)

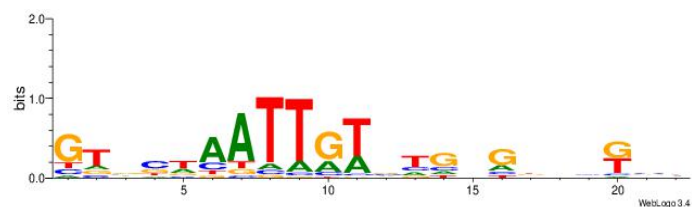
Motif ID:	UP00034
Motif name:	Sox7_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement

Direction: Forward
Position number: 2
Number of overlap: 22
Similarity score: 0.0642913

Alignment:
VVYDDDCHCAVACAATTDBVAC-
-SAGGCTGYCCTVGAAGTCASAAY

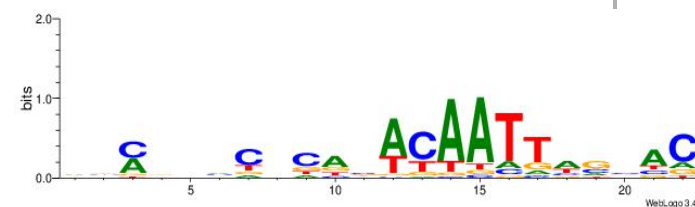
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC

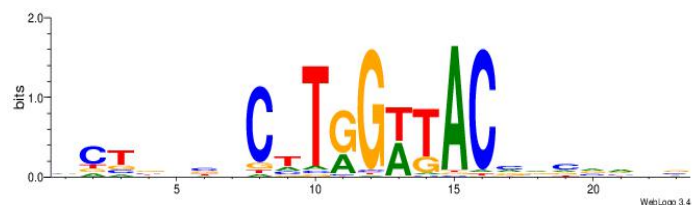


Motif ID: [UP00098](#)
Motif name: Rfx3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 22
Similarity score: 0.0664801

Alignment:
-VCTBHBVCTTGGWTACVVVVVDB
KTTSTGAGTTCVAGGMCAGCCTS-

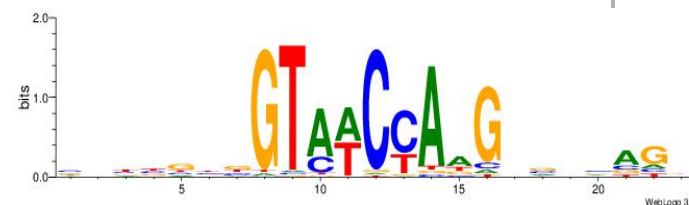
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



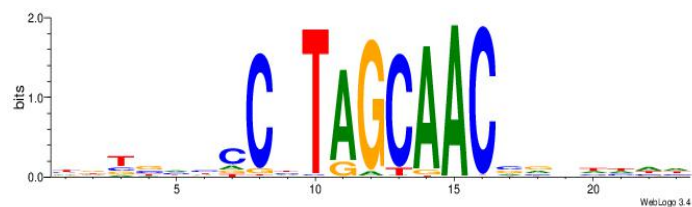
Motif ID: [UP00098](#)
 Motif name: Rfx3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 22
 Similarity score: 0.0672967

Alignment:

–HDTBHHCCHTAGCAACVVDHHHH
 SAGGCTGYCCTVGAAC TCASAAY–

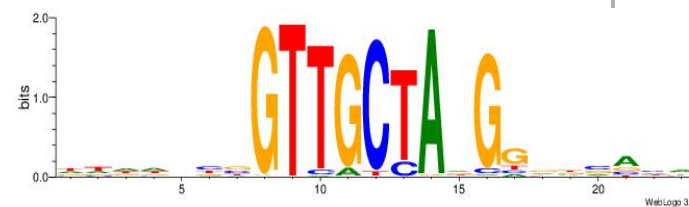
Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH



Reverse complement motif

Consensus sequence: HHHHDVVGTGCTAHGGDHBAAH



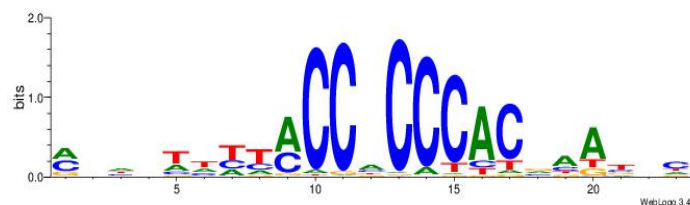
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 22
 Similarity score: 0.0707277

Alignment:

-DVVTTVGTGGGHGGYAMHWHHHY
 KTTSTGAGTTCVAGGMCAGCCTS-

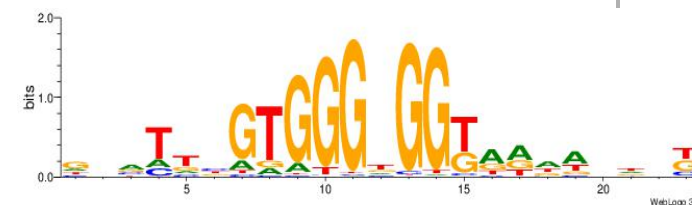
Original motif

Consensus sequence: MHHHWHYTMCHCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3

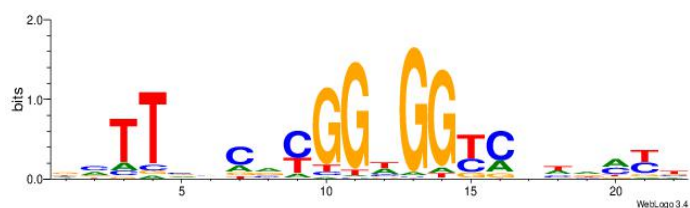
Number of overlap: 21
Similarity score: 0.562337

Alignment:

VMYDHDGMCCHCCKBGVVAHVH--
--SAGGCTGYCCTVGAAGTCASAAY

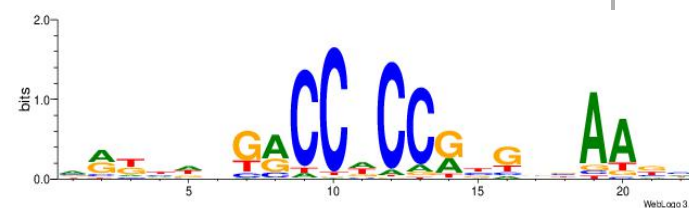
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

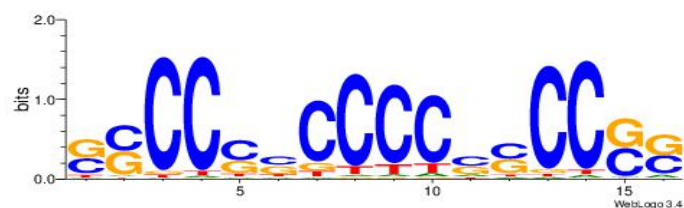
Consensus sequence: VMYDHDGMCCHCCKBGVVAHVH



Dataset #: 1 **Motif ID: 8** **Motif name: C008**

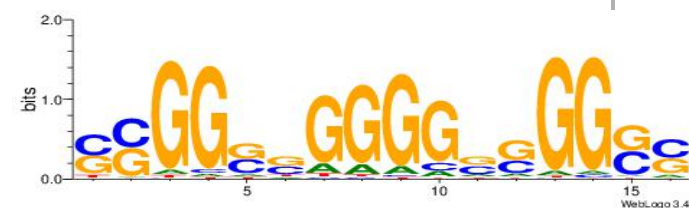
Original motif

Consensus sequence: SSCSSCCCCSSCCSS



Reverse complement motif

Consensus sequence: SSGSSGGGGSSGGSS



Best Matches for Motif ID 8 (Highest to Lowest)

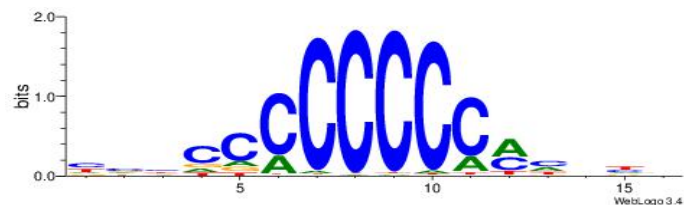
Motif ID: [UP00022](#)
Motif name: Zfp740_primary
Species: Mus musculus
Matching format of first motif: Original Motif

Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 16
Similarity score: 0.0353177

Alignment:
HVBCCCCCCCCMHHHB
SSCCSSCCCCSSCCSS

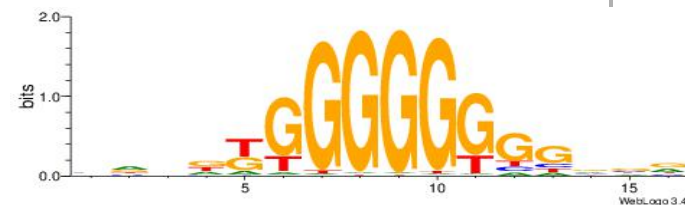
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGGBVD



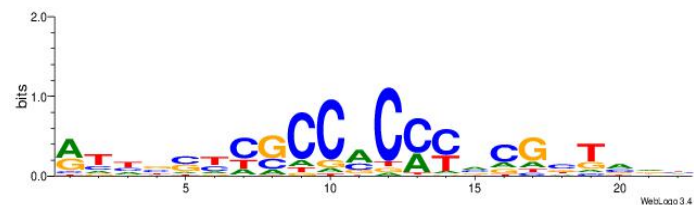
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 16
Similarity score: 0.0353208

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 --SSCCSSCCCCSSCCSS----

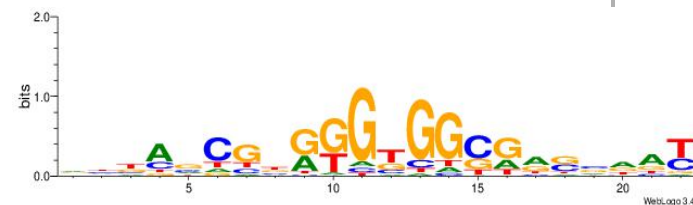
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID:	UP00540
Motif name:	Gli3_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	8
Number of overlap:	16
Similarity score:	0.0416492

Alignment:

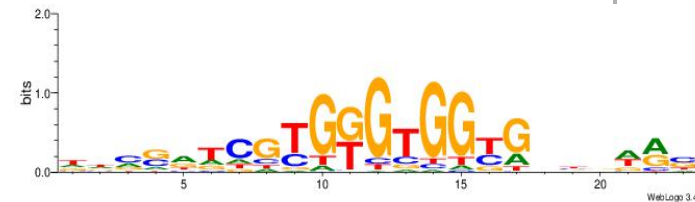
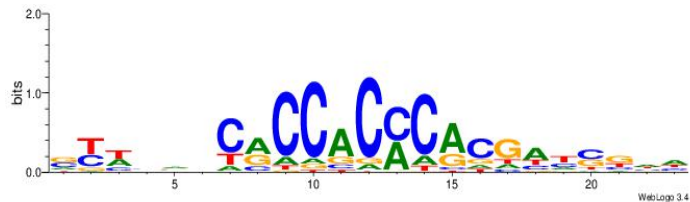
HHBSHTCGTGRGTGGKGDBVWMV
 -----SSGGSSGGGGSSGGSS

Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



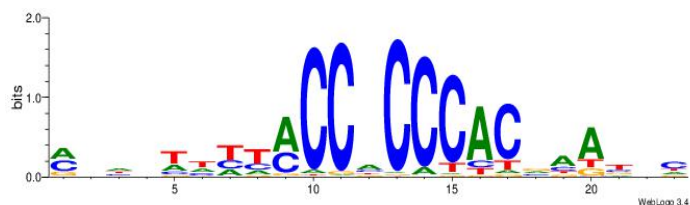
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 16
 Similarity score: 0.0427346

Alignment:

DVVTTVGTGGGHGGYAMHWHHHY
 SSGGSSGGGGSSGGSS-----

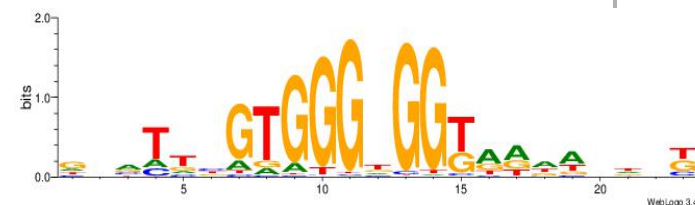
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Motif ID: [UP00538](#)

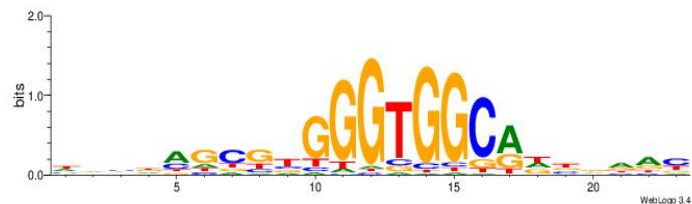
Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0428588

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
 -SSGGSSGGGGSSGGSS-----

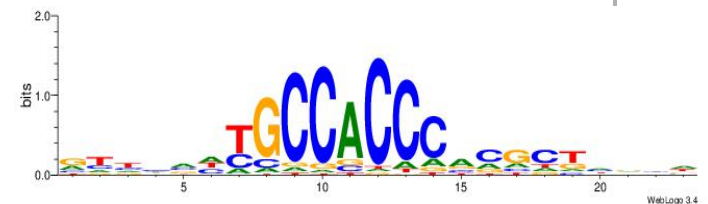
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



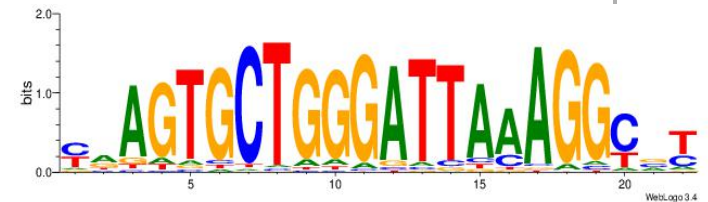
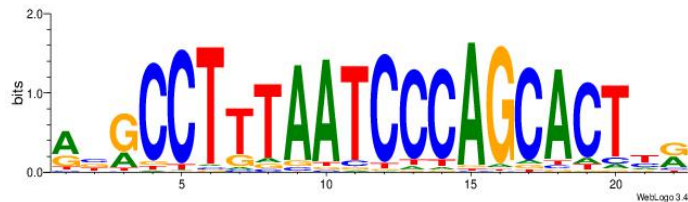
Dataset #: 1 Motif ID: 9 Motif name: C009

Original motif

Consensus sequence: ABGCCTTTAATCCCAGCACTHR

Reverse complement motif

Consensus sequence: MHAGTGCTGGGATTAAAGGCBT



Best Matches for Motif ID 9 (Highest to Lowest)

Motif ID: [UP00538](#)
 Motif name: Gli1_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: 22
 Similarity score: 0.0664875

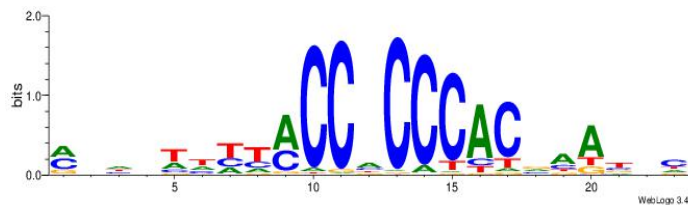
Alignment:

```

DVVTTVGTGGGHGGYAMHWHHHY
MHAGTGCTGGGATTAAAGGCBT-
  
```

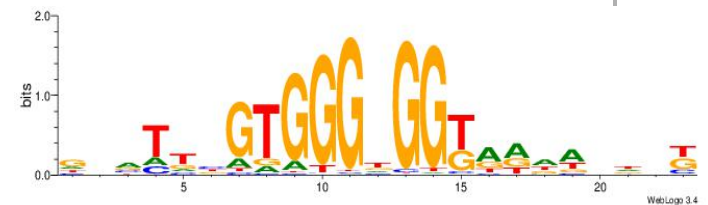
Original motif

Consensus sequence: MHHHWHYTMCHCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Motif ID: [UP00032](#)

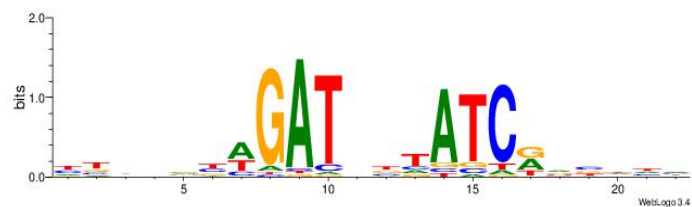
Motif name: Gata3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 21
Similarity score: 0.56321

Alignment:

HBHDVBWGATHBTATCRVBHHH-
-ABGCCTTTAATCCCAGCACTHR

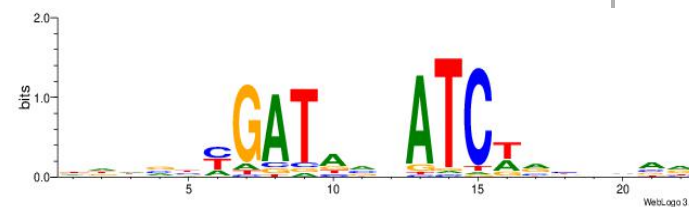
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVH



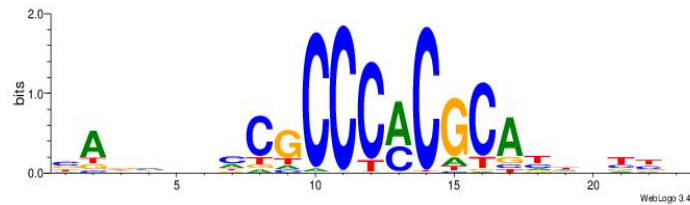
Motif ID: [UP00400](#)
Motif name: Zif268
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 21
Similarity score: 0.565627

Alignment:

-BADHBDHCGCCCMCGCAHHDBBV
ABGCCTTTAATCCCAGCACTHR--

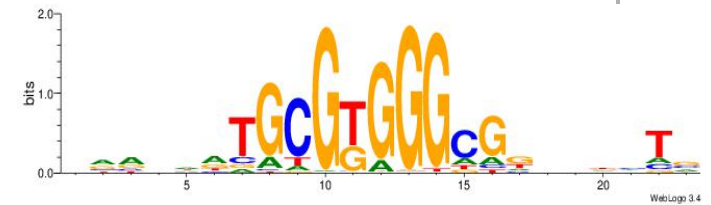
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB



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:	2
Number of overlap:	21
Similarity score:	0.56702

Alignment:

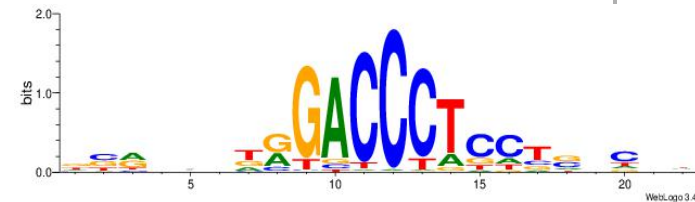
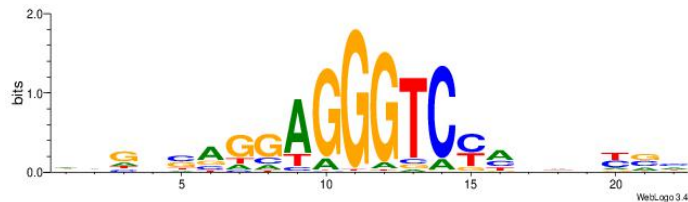
HVGVSAGGAGGGTCYHHHHYVH-
-ABGCCTTTAATCCCAGCACTHR

Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH

Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 20
 Similarity score: 1.06431

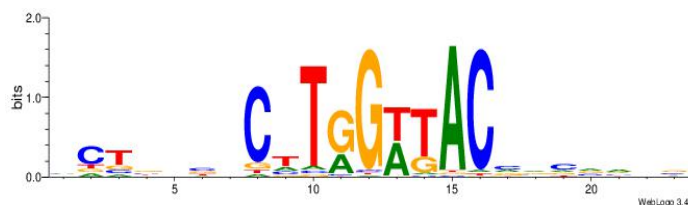
Alignment:

```

--BDBBVBVGTAWCCAAGVBHBAGB
MHAGTGCTGGGATTAAAGGCBT---
  
```

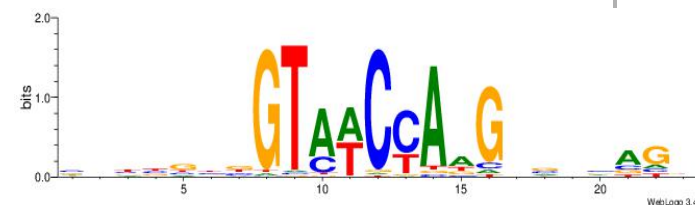
Original motif

Consensus sequence: VCTBHBVCTTGGWTACV V V V VDB



Reverse complement motif

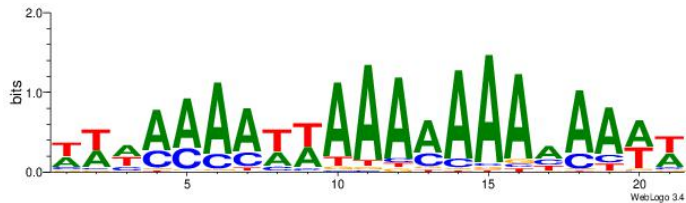
Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



Dataset #: 1 **Motif ID: 10** **Motif name: C010**

Original motif

Consensus sequence: WWWAAAAWWAAAAAAAAAAWW



Best Matches for Motif ID 10 (Highest to Lowest)

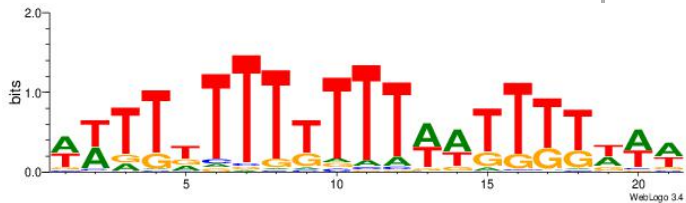
Motif ID: [UP00032](#)
Motif name: Gata3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 21
Similarity score: 0.0528064

Alignment:
HBHDVHDTCTTATCTHTDDHDV
WWTTTTTTTTTTWWTTTTWWW-

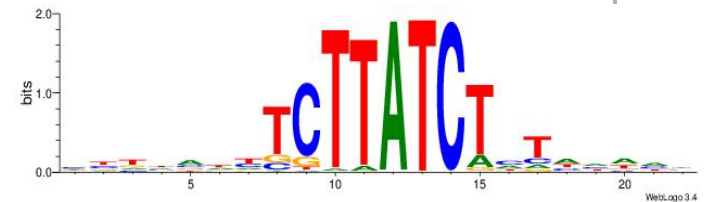
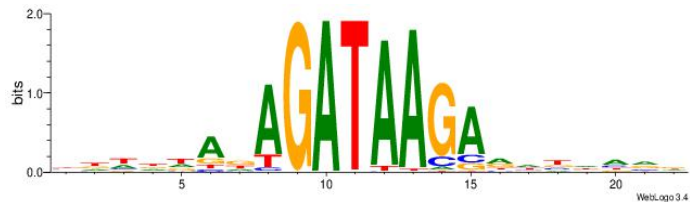
Original motif
Consensus sequence: BDHDDADAGATAAGADHBDHVD

Reverse complement motif

Consensus sequence: WWTTTTTTTTTTWWTTTTWWW



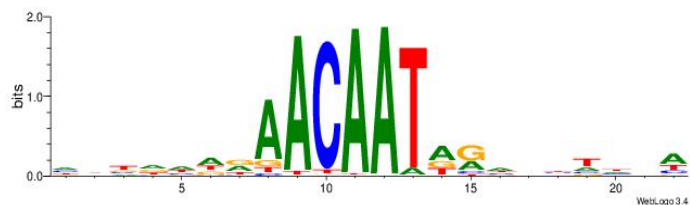
Reverse complement motif
Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



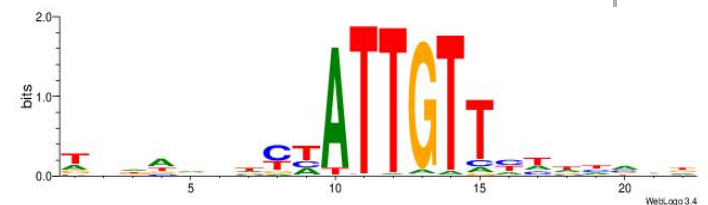
Motif ID: [UP00034](#)
 Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 21
 Similarity score: 0.0586273

Alignment:
 HHBDHDDAACAATDRHHHHHBW
 -WWAAAAWWAAAAAAAAAAWW

Original motif
 Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif
 Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



Motif ID: [UP00032](#)
 Motif name: Gata3_secondary

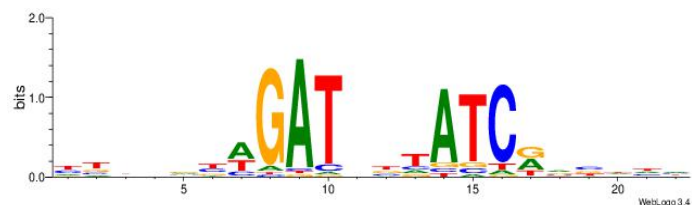
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 21
 Similarity score: 0.0606713

Alignment:

HHHBBMGATAVHATCWVVDHVH
 -WWWAAAAWWAAAAAAAAAAWW

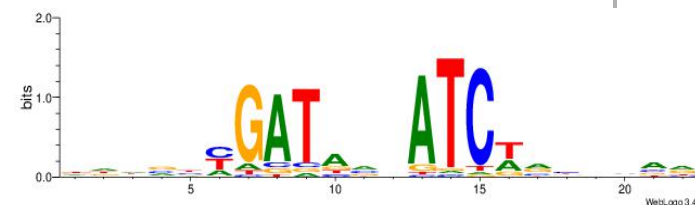
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVH



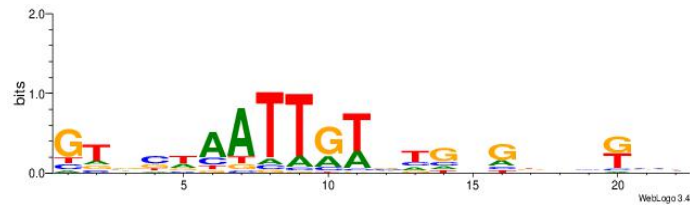
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 21
 Similarity score: 0.0617422

Alignment:

VVYDDDCHCAVACAATTDBVAC
WWWAAAAWWAAAAAAAAAAWW-

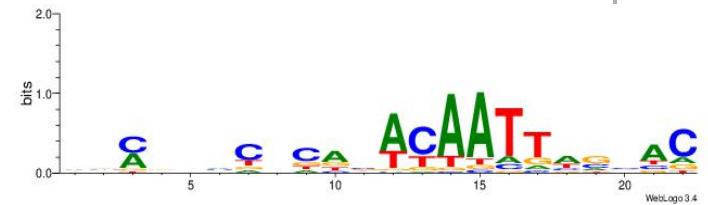
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Motif ID:	UP00098
Motif name:	Rfx3_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:	21
Similarity score:	0.065491

Alignment:

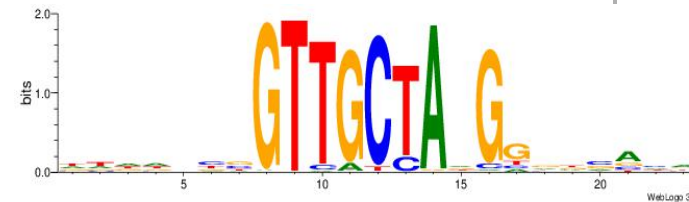
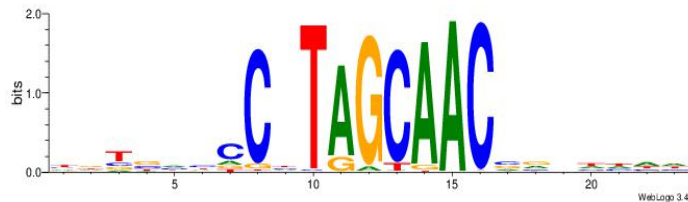
HDTBHHCCHTAGCAACVVDHHHH
WWWAAAAWWAAAAAAAAAAWW--

Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH

Reverse complement motif

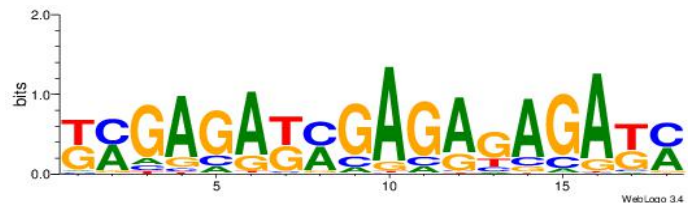
Consensus sequence: HHHHDVVGTTGCTAHGGDHBAHH



Dataset #: 1 Motif ID: 11 Motif name: C011

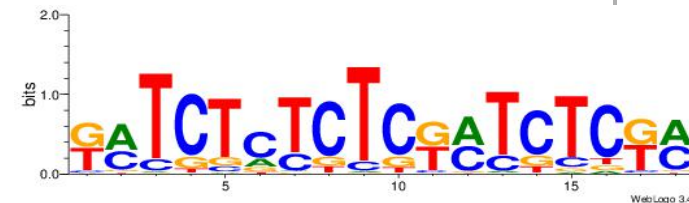
Original motif

Consensus sequence: KMGAGAKMGAGAGAGAKM



Reverse complement motif

Consensus sequence: RRTCTCTCTCRRTCTCRR



Best Matches for Motif ID 11 (Highest to Lowest)

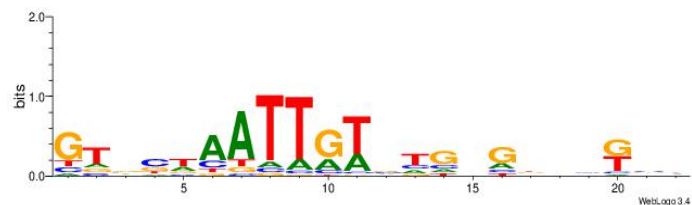
Motif ID:	UP00034
Motif name:	Sox7_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	18
Similarity score:	0.0404807

Alignment:

VVYDDDCHCAVACAATTDBVAC
---RRTCTCTCTCRRTCTCRR-

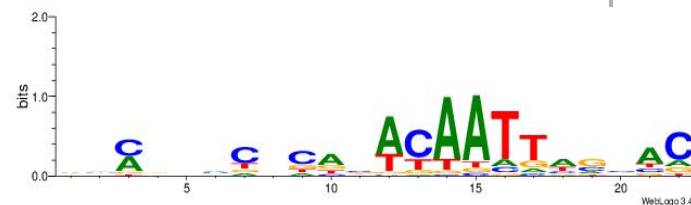
Original motif

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:	Backward
Position number:	2
Number of overlap:	18
Similarity score:	0.0471227

Alignment:

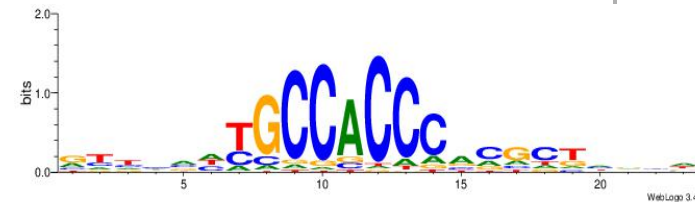
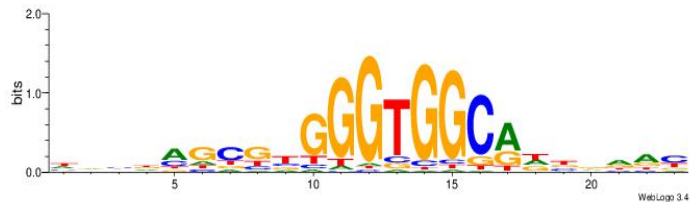
BDDHVDKGCCACCCVCGCTDBVH
----RRTCTCTCTCRRTCTCRR-

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



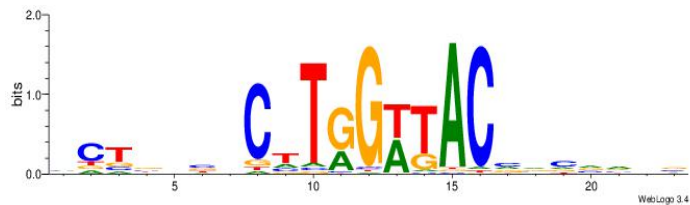
Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0474739

Alignment:

BDBBVBVGTAWCCAAGVBHBAGB
 RRTCTCTCTCRRCTCRR-----

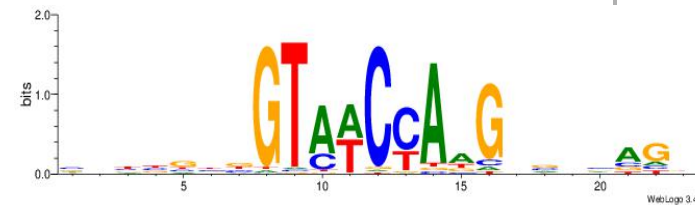
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary

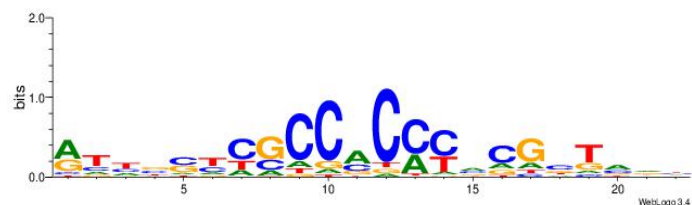
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0475854

Alignment:

HDBABCGBKRGYGGCGMSBHAK
 --KMGAGAKMGAGAGAGAKM--

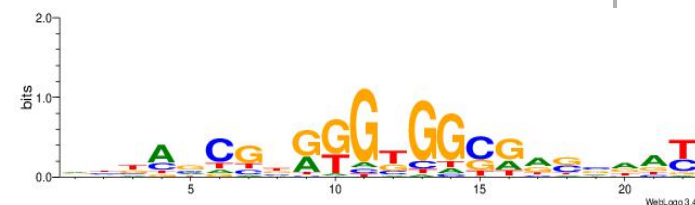
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0500023

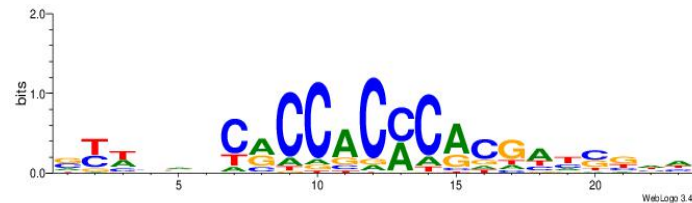
Alignment:

HHBSHTCGTGRGTGGKGDBVWMV

---KMGAGAKMGAGAGAGAKM---

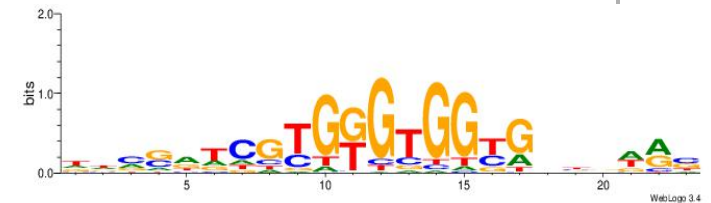
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



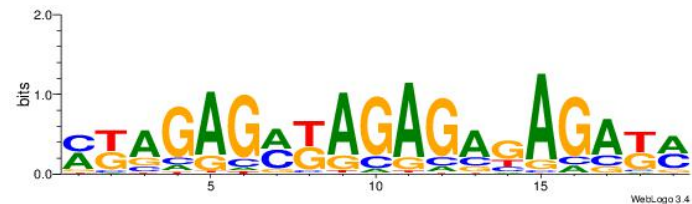
Dataset #: 1

Motif ID: 12

Motif name: C012

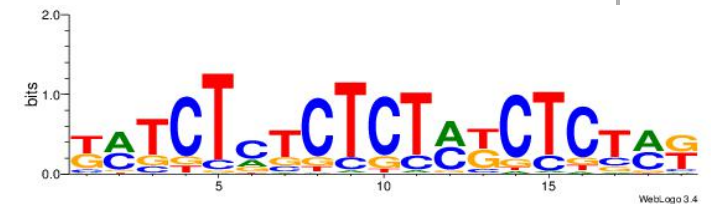
Original motif

Consensus sequence: MKAGAGMKAGAGAGAGAKM



Reverse complement motif

Consensus sequence: YRTCTCTCTRYCTCTRR



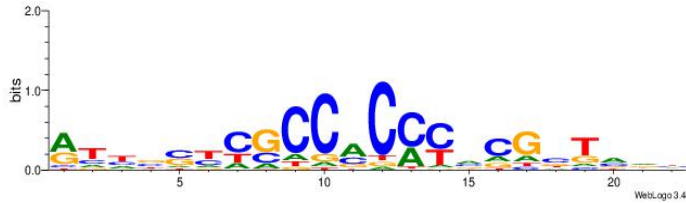
Best Matches for Motif ID 12 (Highest to Lowest)

Motif ID:	UP00539
Motif name:	Gli2_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement

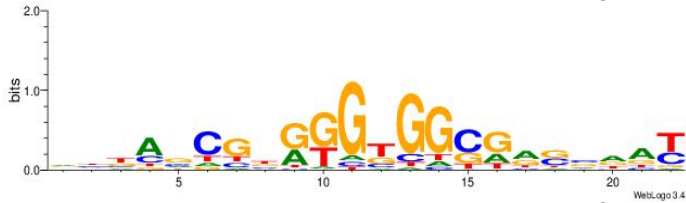
Direction: Forward
Position number: 2
Number of overlap: 19
Similarity score: 0.0419739

Alignment:
HDBABCGBKRGYGGCGMSBHAK
-MKAGAGMKAGAGAGAGAKM--

Original motif
Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif
Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



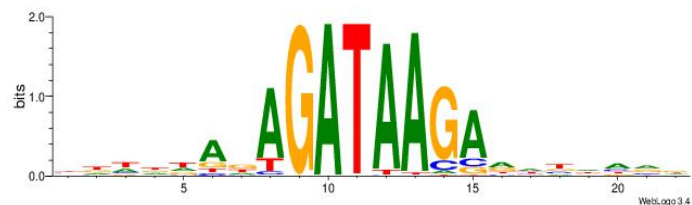
Motif ID: [UP00032](#)
Motif name: Gata3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 19
Similarity score: 0.0446412

Alignment:

HBHDVHDTCTTATCTHTDDHDV
YRTCTCTCTCTRYCTCTR---

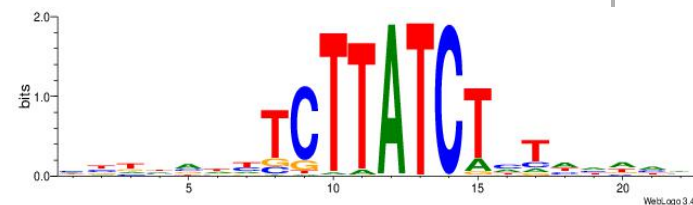
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



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:	3
Number of overlap:	19
Similarity score:	0.0455704

Alignment:

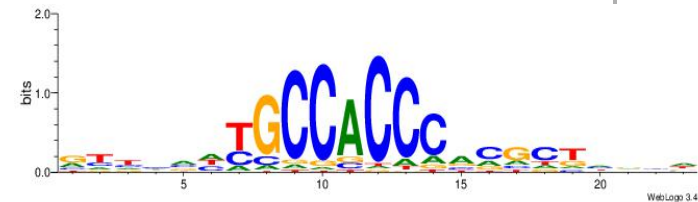
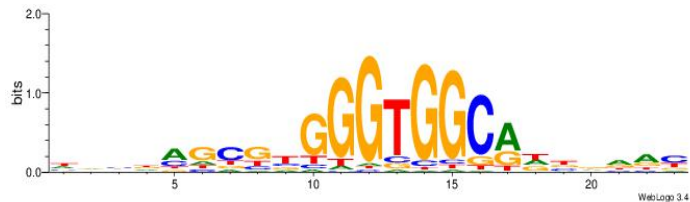
HVBDAGCGBGGGTGGCRDBDDDB
--MKAGAGMKAGAGAGAGAKM--

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



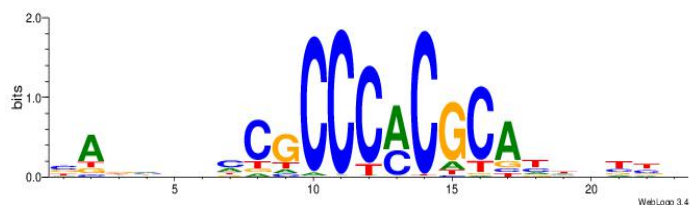
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 19
 Similarity score: 0.0502954

Alignment:

VVVDHHTGCGYGGGCGDHHVHHTB
 --MKAGAGMKAGAGAGAGAKM--

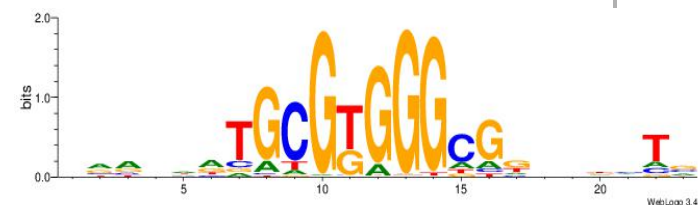
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHHTB

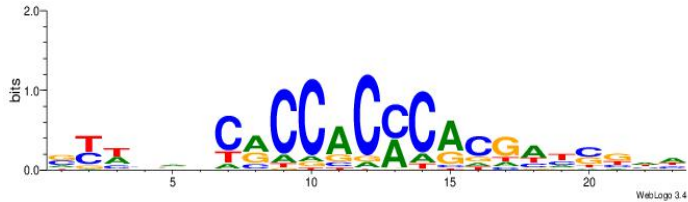


Motif ID: [UP00540](#)

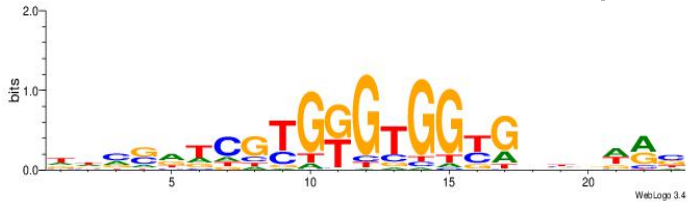
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 19
Similarity score: 0.0510365

Alignment:
HHBSHTCGTGRGTGGKGDBVWMV
--MKAGAGMKAGAGAGAGAKM--

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



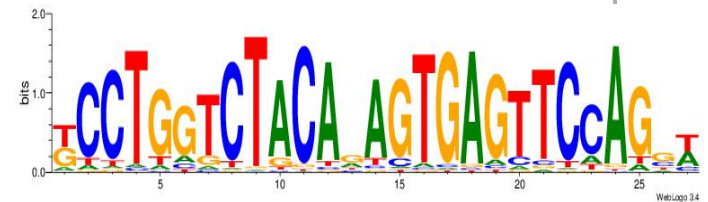
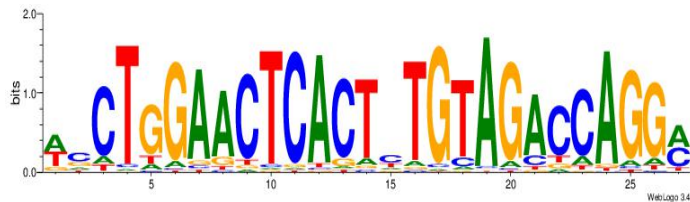
Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Dataset #: 1 Motif ID: 13 Motif name: C013

Original motif
Consensus sequence: WVCTGGAAC TCACTHTGTAGACCAGGM

Reverse complement motif
Consensus sequence: YCCTGGTCTACADAGTGAGTTCCA



Best Matches for Motif ID 13 (Highest to Lowest)

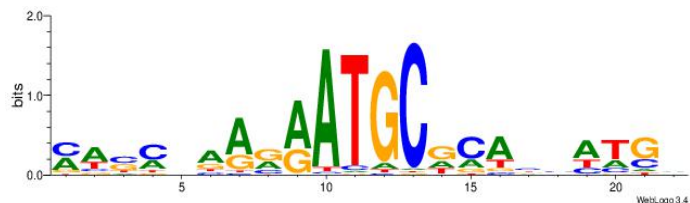
Motif ID: [UP00528](#)
 Motif name: Foxm1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 22
 Similarity score: 0.0456555

Alignment:

-----MWSMBAARRATGCD CABHATGD
 WVCTGGA ACTCACTHTGTAGACCAGGM-----

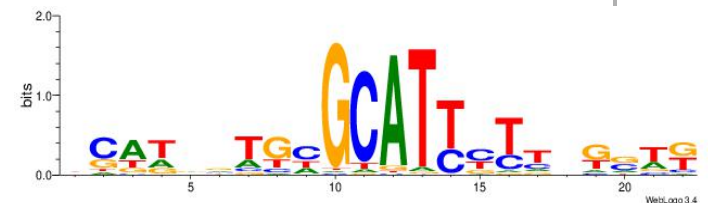
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Motif ID: [UP00034](#)

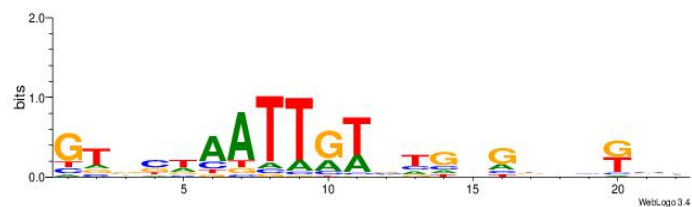
Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 22
 Similarity score: 0.0503111

Alignment:

VVYDDDCHCAVACAATTDBVAC-----
 -----YCCTGGTCTACADAGTGAGTTCCAGVW

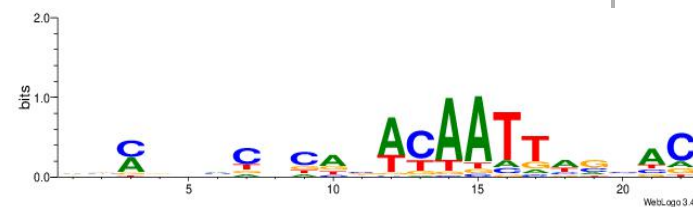
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



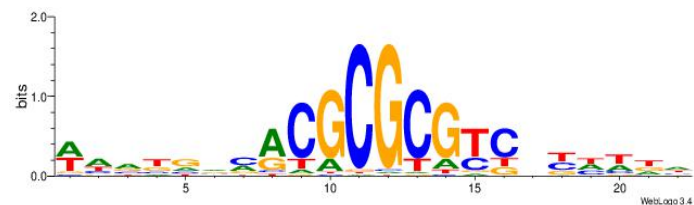
Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 22
 Similarity score: 0.0518427

Alignment:

-----WHVBVVMACGCGCGTCDYHWDH
 WVCTGGAAC TCACTHTGTAGACCAGGM-----

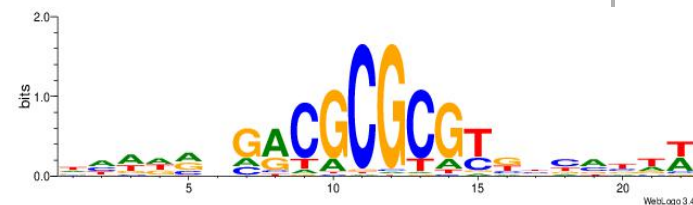
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVBVHW



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:	7
Number of overlap:	21
Similarity score:	0.546981

Alignment:

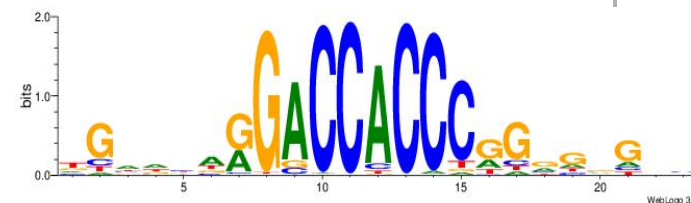
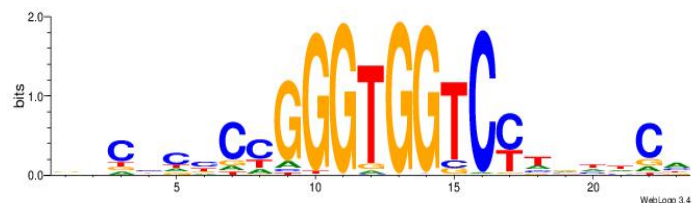
-----BHCBCBCCGGGTGGTCYHVHDCH
 WVCTGGAAC TCACTHTGTAGACCAGGM-----

Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH

Reverse complement motif

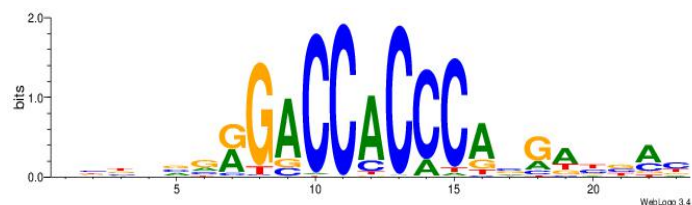
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



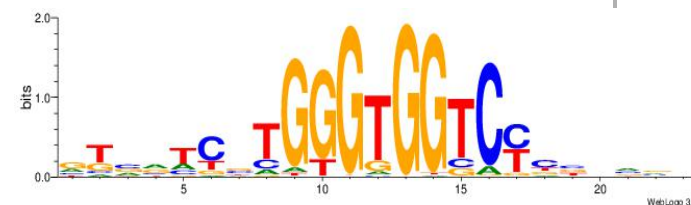
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 21
 Similarity score: 0.549369

Alignment:
 -----BTBVTCTVGGGTGGTCMVVDVBB
 YCCTGGTCTACADAGTGAGTTCCAGVW--

Original motif
 Consensus sequence: BBBDVVRGACCACCAVGABBAB



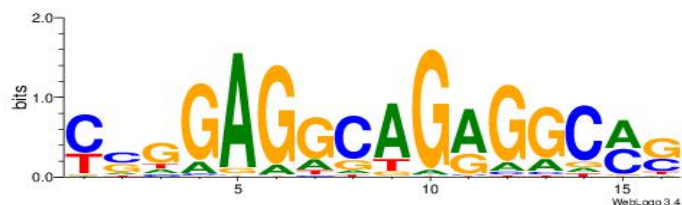
Reverse complement motif
 Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



Dataset #: 1 Motif ID: 14 Motif name: C014

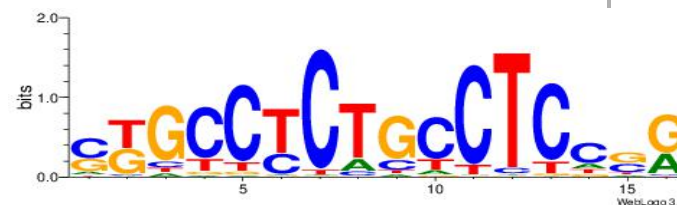
Original motif

Consensus sequence: YSGGAGGCAGAGGCMS



Reverse complement motif

Consensus sequence: SYGCCTCTGCCTCCSK



Best Matches for Motif ID 14 (Highest to Lowest)

Motif ID:	UP00527
Motif name:	Foxn4_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	16
Similarity score:	0.0331356

Alignment:

VHYTCCDWCCGCGTCMMTHWHV

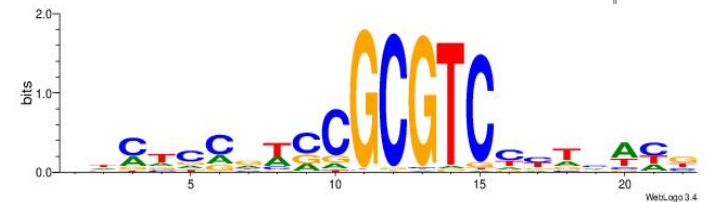
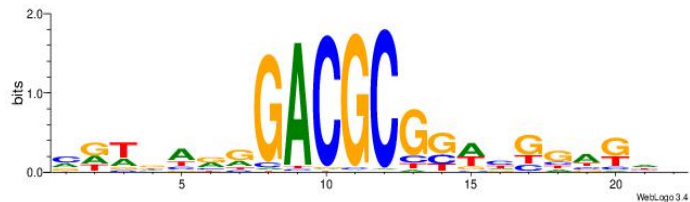
--SYGCCTCTGCCTCCSK----

Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV

Reverse complement motif

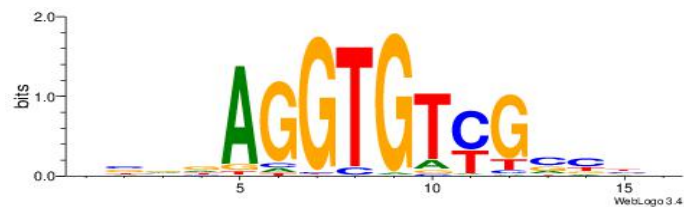
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



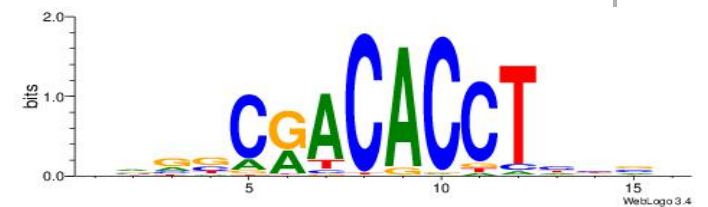
Motif ID: [UP00068](#)
 Motif name: Eomes_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.034812

Alignment:
 VVBVCKACACCTHVBV
 SYGCCTCTGCCTCCSK

Original motif
 Consensus sequence: VBVDAGGTGTYGVBBV



Reverse complement motif
 Consensus sequence: VVBVCKACACCTHVBV

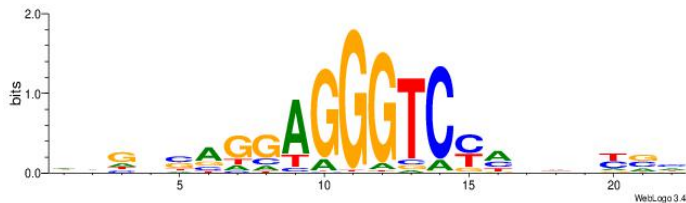


Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary

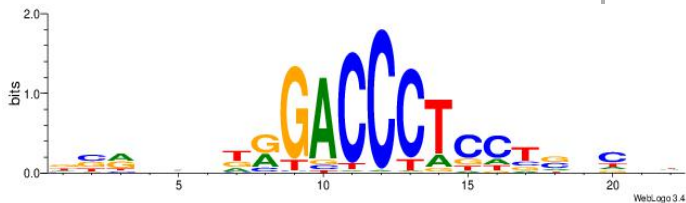
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 7
Number of overlap: 16
Similarity score: 0.034835

Alignment:
HVGVSAGGAGGGTCYHHHHYVH
YSGGAGGCAGAGGCMS-----

Original motif
Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif
Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



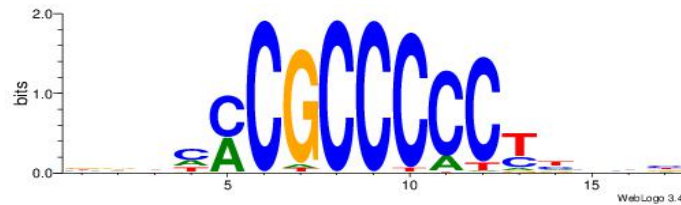
Motif ID: [UP00002](#)
Motif name: Sp4_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 16
Similarity score: 0.034915

Alignment:

BDHHMCGCCCCCTHVBB
-SYGCCTCTGCCTCCSK

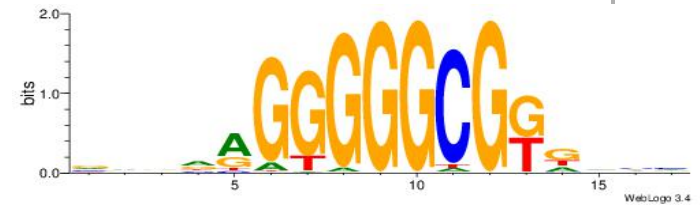
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



Motif ID:	UP00031
Motif name:	Zbtb3_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:	16
Similarity score:	0.0350751

Alignment:

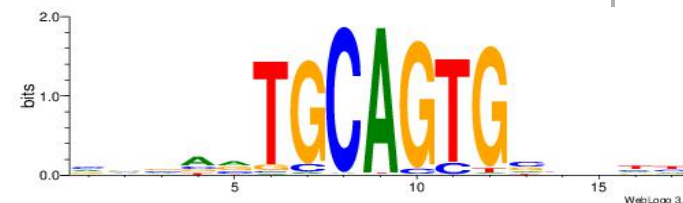
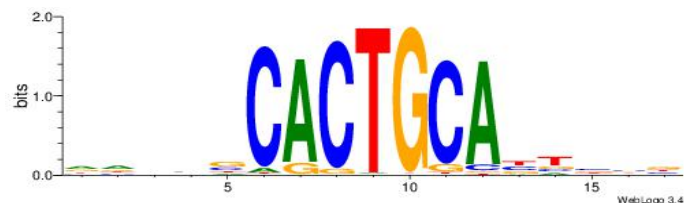
BBBAVTGCAGTGBBVDD
-SYGCCTCTGCCTCCSK

Original motif

Consensus sequence: DDBBCACTGCABTBBB

Reverse complement motif

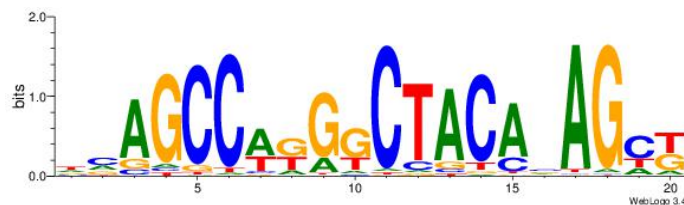
Consensus sequence: BBBAVTGCAGTGBBVDD



Dataset #: 1 Motif ID: 15 Motif name: C015

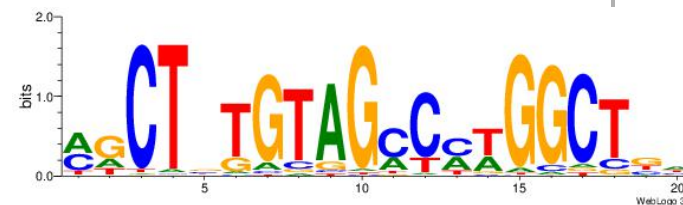
Original motif

Consensus sequence: DVAGCCWKGCTACAVAGCK



Reverse complement motif

Consensus sequence: RGCTVTGTAGCCYWGGCTVD



Best Matches for Motif ID 15 (Highest to Lowest)

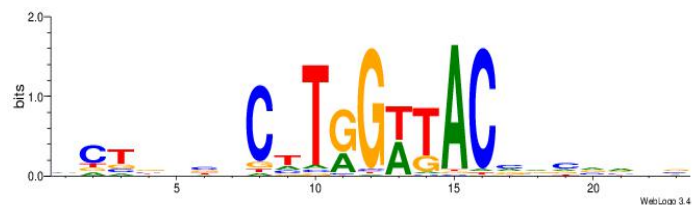
Motif ID:	UP00098
Motif name:	Rfx3_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	20
Similarity score:	0.0486537

Alignment:

VCTBHBVCTTGGWTACVVVVVDB
--DVAGCCWKGCTACAVAGCK--

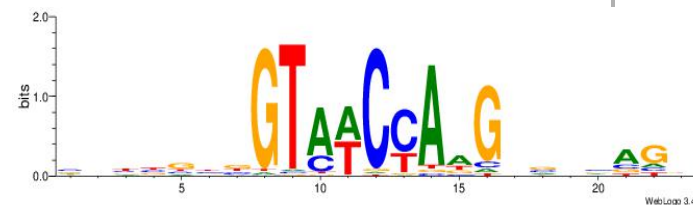
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



Motif ID:	UP00098
Motif name:	Rfx3_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:	20
Similarity score:	0.0536153

Alignment:

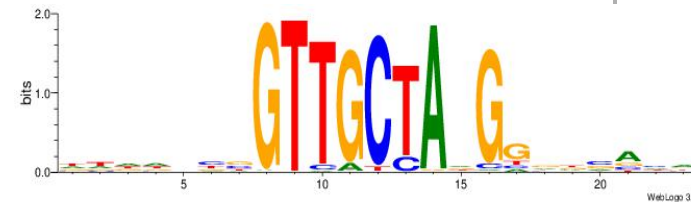
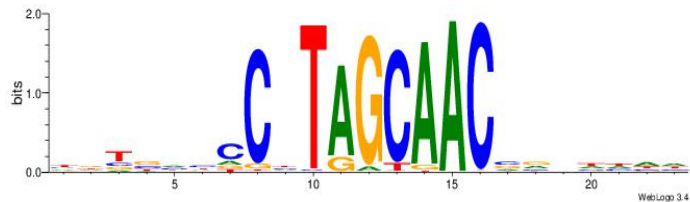
HDTBHHCCHTAGCAACVVDHHHH
--DVAGCCWKGCTACAVAGCK--

Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH

Reverse complement motif

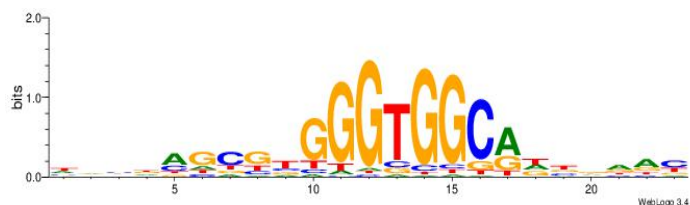
Consensus sequence: HHHHDVVGTTGCTAHGGDHBAAH



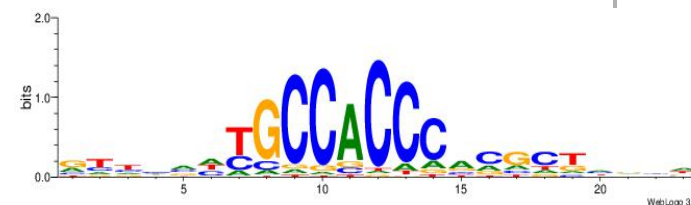
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 20
 Similarity score: 0.0624325

Alignment:
 BDDHVDKGCCACCCVCGCTDBVH
 -RGCTVTGTAGCCYWGGCTVD--

Original motif
 Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif
 Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID: [UP00539](#)

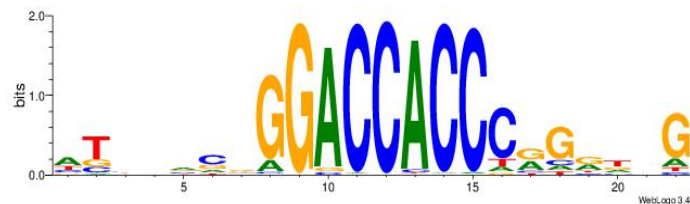
Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 20
 Similarity score: 0.0635845

Alignment:

CBDMCMGGGTGGTCCHVBVBAH
 --RGCTVTGTAGCCYWGGCTVD

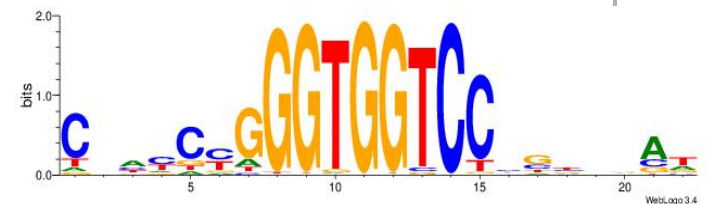
Original motif

Consensus sequence: HTBVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH

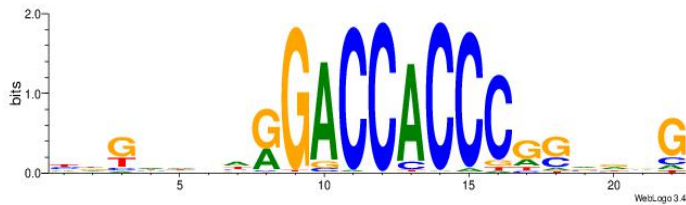


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 20

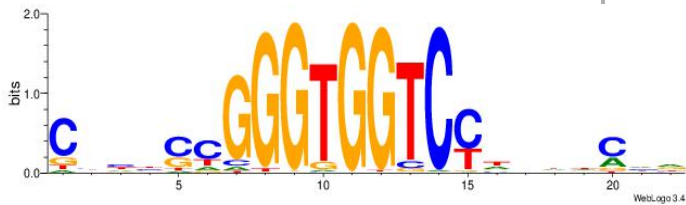
Similarity score: 0.0640763

Alignment:
CVHBSCGGGTGGTCMHVHHCDH
--RGCTVTGTAGCCYWGGCTVD

Original motif
Consensus sequence: HDGHHBHRGACCACCCGSVDVG

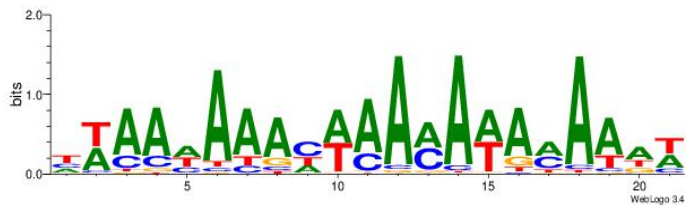


Reverse complement motif
Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH

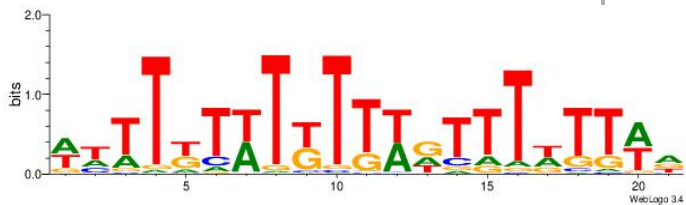


Dataset #: 1 Motif ID: 16 Motif name: C016

Original motif
Consensus sequence: HWAAWAAHWAAMAWAMAAWW



Reverse complement motif
Consensus sequence: WWTYTWYTTWDTTWTWH



Best Matches for Motif ID 16 (Highest to Lowest)

Motif ID: [UP00034](#)
Motif name: Sox7_primary
Species: Mus musculus
Matching format of first motif: Original Motif

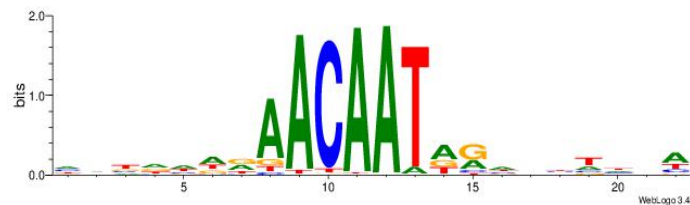
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	21
Similarity score:	0.0445695

Alignment:

```
HHBDHDDAACAAATDRHHHHHBW
-HWAAWAAAHWAAMAWAMAAWW
```

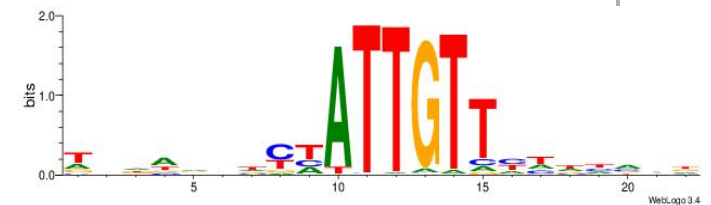
Original motif

Consensus sequence: HHBDHDDAACAAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHVDVHH



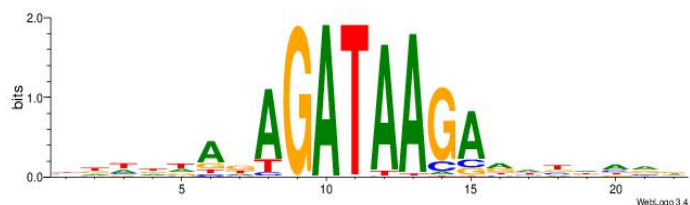
Motif ID:	UP00032
Motif name:	Gata3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	21
Similarity score:	0.0472803

Alignment:

```
HBHVDVHDTCTTATCTHTDDHVDV
WWTYYTWYTTWDTTWTWTH-
```

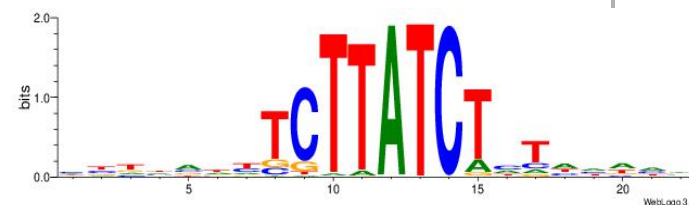
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



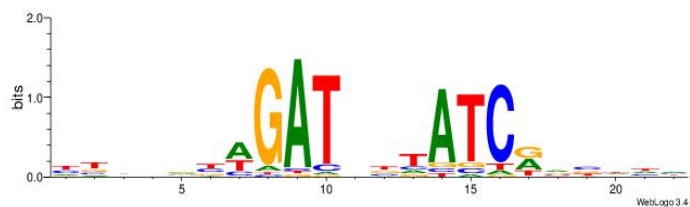
Motif ID: [UP00032](#)
Motif name: Gata3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 21
Similarity score: 0.0518988

Alignment:

HBHDVBWGATHBTATCRVBHHH
-HWAAWAAAHWAAMAWAMA AWW

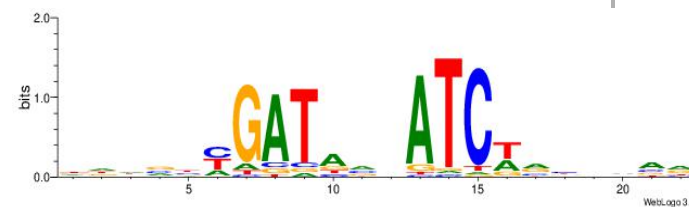
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVH



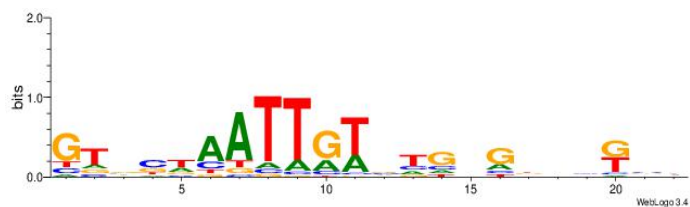
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 21
 Similarity score: 0.0523549

Alignment:

VVYDDDCHCAVACAATTDBVAC
 HWAAWAAAHWAAMAWAMAAWW-

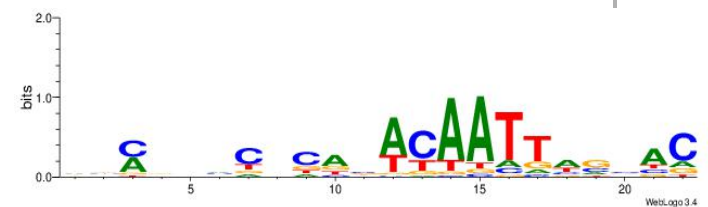
Original motif

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: 2

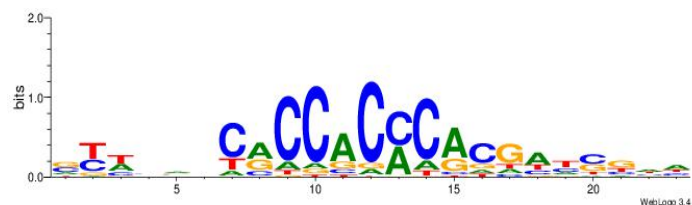
Number of overlap: 21
Similarity score: 0.0599775

Alignment:

VYWVVHCRCCACMCACGAHSBHH
-HWAAWAAAHWAAMAWAMAANW-

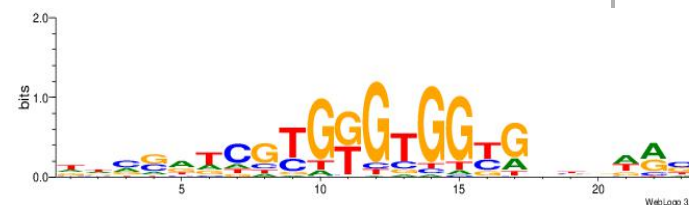
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

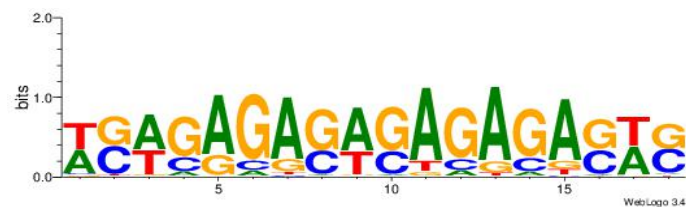
Consensus sequence: HHBSHTCGTGRGTGGKGDVWMM



Dataset #: 1 **Motif ID: 17** **Motif name: C017**

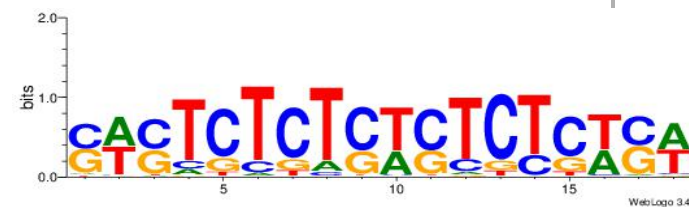
Original motif

Consensus sequence: WSWGAGASWSAGAGASWS



Reverse complement motif

Consensus sequence: SWSTCTCTSWSTCTCWSW



Best Matches for Motif ID 17 (Highest to Lowest)

Motif ID: [UP00527](#)
Motif name: Foxn4_secondary
Species: Mus musculus

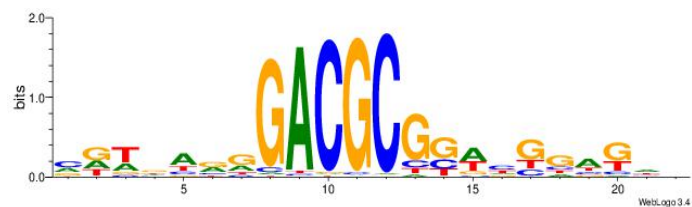
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	18
Similarity score:	0.0370092

Alignment:

```
VDWDARRGACGCGGWHGGAKHV
--WSWGAGASWSAGAGASWS--
```

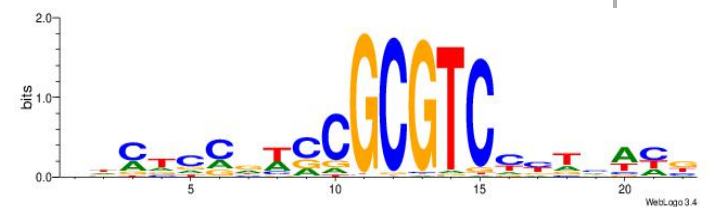
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



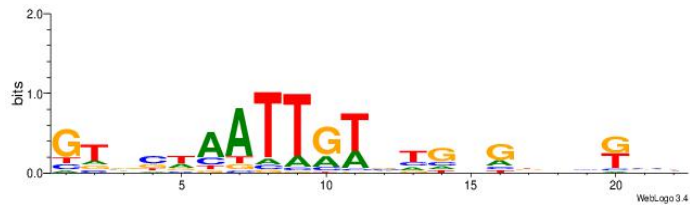
Motif ID:	UP00034
Motif name:	Sox7_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	18
Similarity score:	0.0399153

Alignment:

VVYDDDCHCAVACAATTDBVAC
--SWSTCTCTSWSTCTCWSW--

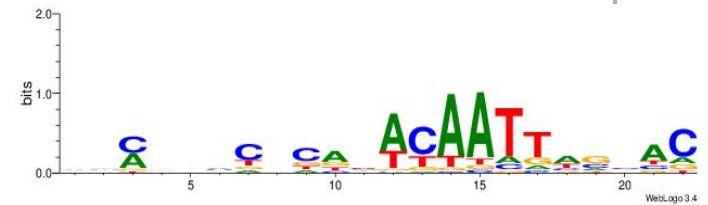
Original motif

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:	Original Motif
Direction:	Backward
Position number:	6
Number of overlap:	18
Similarity score:	0.0422644

Alignment:

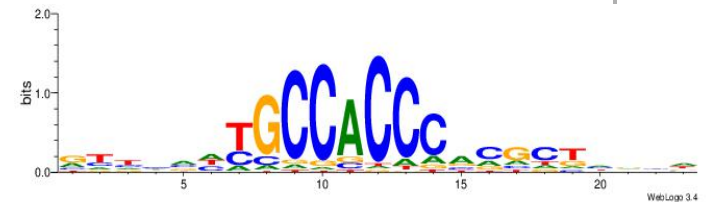
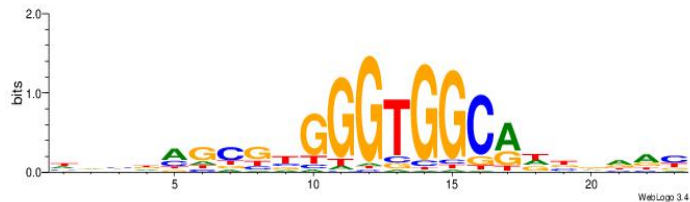
HVBDAGCGBGGGTGGCRDBDDDB
WSWGAGASWSAGAGASWS-----

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

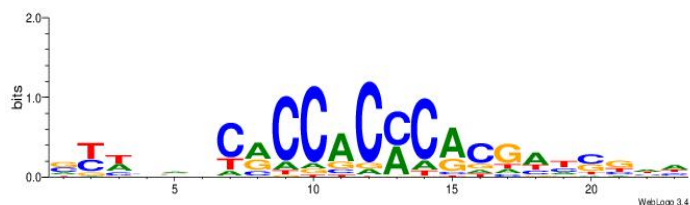
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



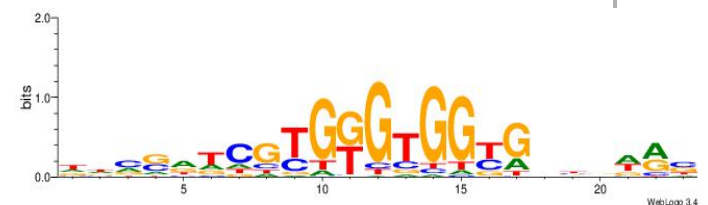
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.0425861

Alignment:
 HHBSHTCGTGRGTGGKGDBVWMV
 ----WSWGAGASWSAGAGASWS--

Original motif
 Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif
 Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Motif ID: [UP00098](#)

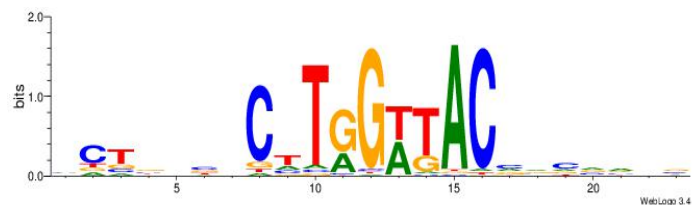
Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0439386

Alignment:

BDBBVBVGTAWCCAAGVBHBAGB
 --WSWGAGASWSAGAGASWS---

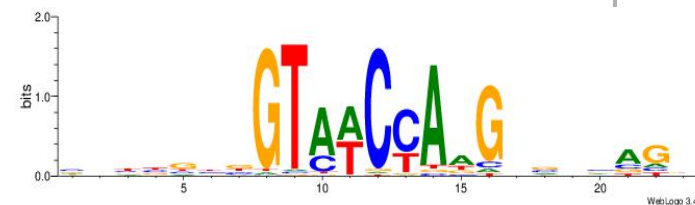
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



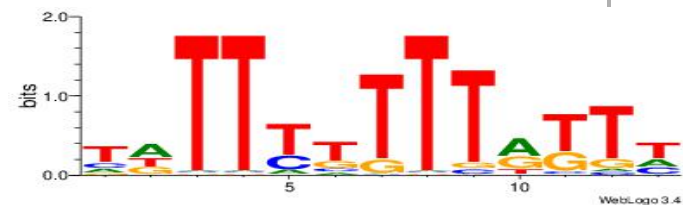
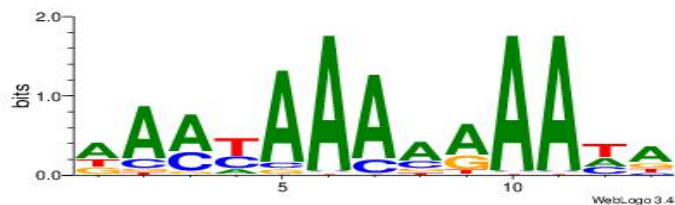
Dataset #: 1 Motif ID: 18 Motif name: C018

Original motif

Consensus sequence: AAMYAAAAAAHA

Reverse complement motif

Consensus sequence: THTTTTTTTMYTT

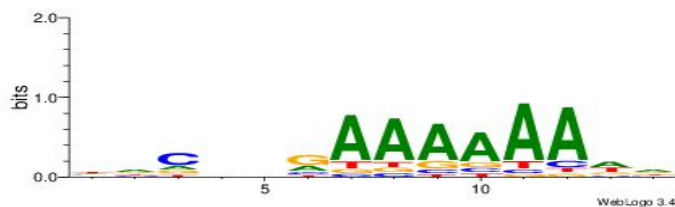


Best Matches for Motif ID 18 (Highest to Lowest)

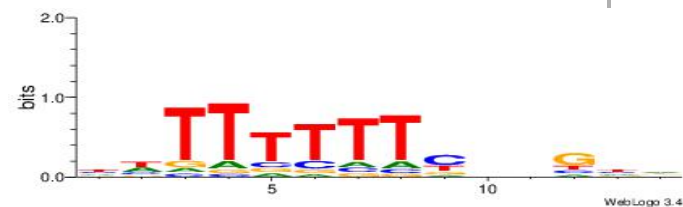
Motif ID: [UP00028](#)
 Motif name: Tcfap2e_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0145388

Alignment:
 HDCDBRAAAAAADD
 -AAMYAAAAAAHA

Original motif
 Consensus sequence: HDCDBRAAAAAADD



Reverse complement motif
 Consensus sequence: DDTTTTTTMBDGDH



Motif ID: [UP00077](#)

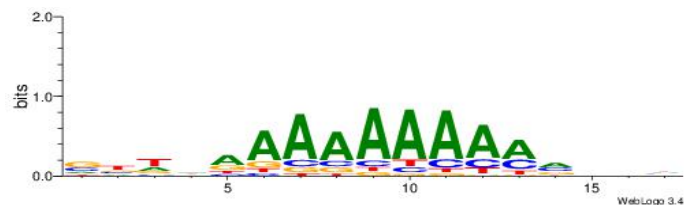
Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0166921

Alignment:

VBDDAAAAAAAAAMVBHH
 ----AAMYAAAAAAAAHA

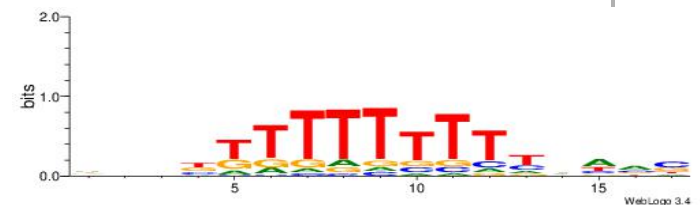
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDVV

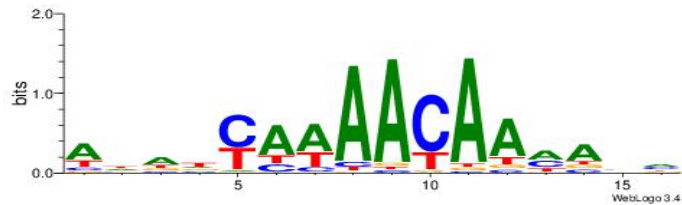


Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 13

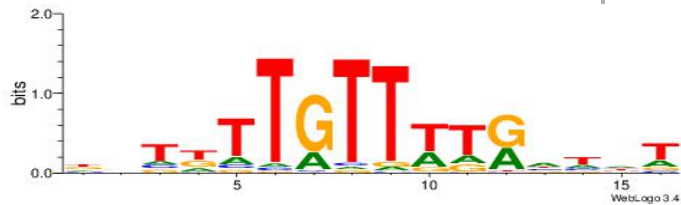
Similarity score: 0.0192633

Alignment:
ADDDYAWAACAAMAHH
-AAMYAAAAAAHA--

Original motif
Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif
Consensus sequence: HDTYTTGTTWTKDDDT

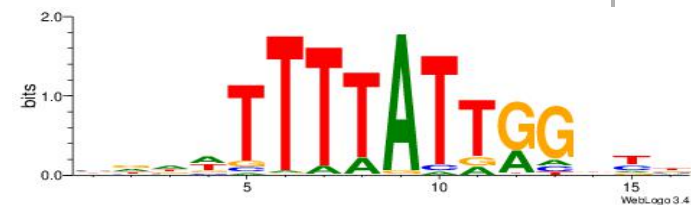
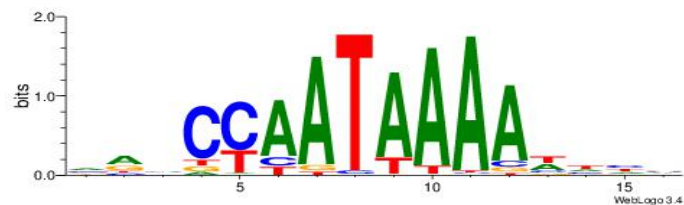


Motif ID: [UP00134](#)
Motif name: Hoxb13
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 13
Similarity score: 0.0204511

Alignment:
VRHCCAATAAAWHHV
-AAMYAAAAAAHA--

Original motif
Consensus sequence: VRHCCAATAAAWHHV

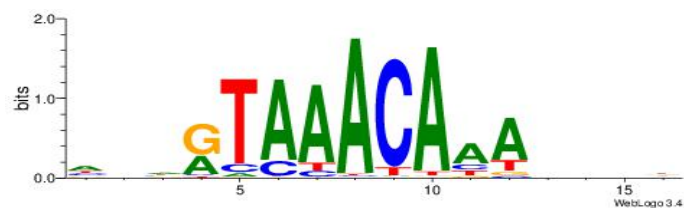
Reverse complement motif
Consensus sequence: VDHWTTTTATTGGDKB



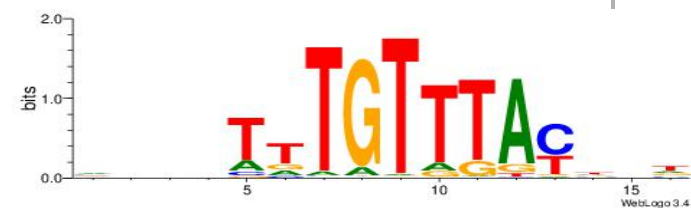
Motif ID: [UP00041](#)
 Motif name: Foxj1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0217367

Alignment:
 HDHRTAAACAAHDDD
 -AAMYAAAAAHA--

Original motif
 Consensus sequence: HDHRTAAACAAHDDD



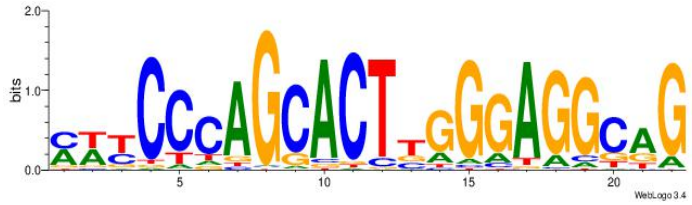
Reverse complement motif
 Consensus sequence: DDDHTTTGTTTAMHDDH



Dataset #: 1 Motif ID: 19 Motif name: C019

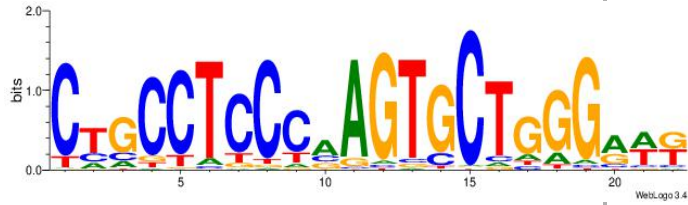
Original motif

Consensus sequence: MWYCCCAGCACTTGGGAGGCAG



Reverse complement motif

Consensus sequence: CTGCCTCCCAAGTGCTGGGMWR



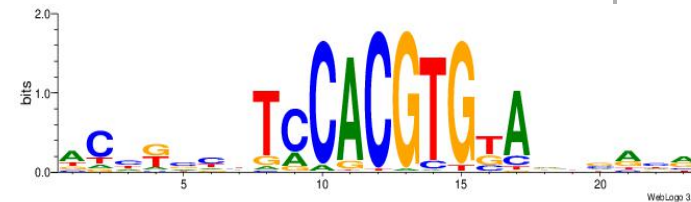
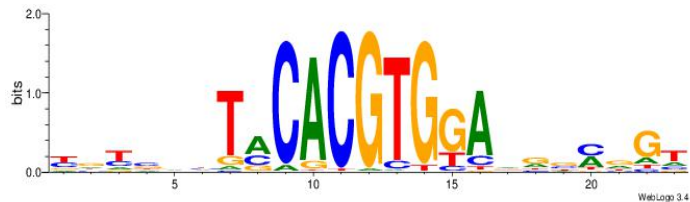
Best Matches for Motif ID 19 (Highest to Lowest)

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:	1
Number of overlap:	22
Similarity score:	0.041956

Alignment:
YDYBDHTMCACGTGGADDBMDGT
MWYCCCAGCACTTGGGAGGCAG-

Original motif
Consensus sequence: YDYBDHTMCACGTGGADDBMDGT

Reverse complement motif
Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



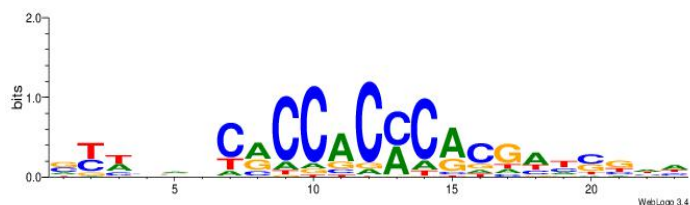
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 22
 Similarity score: 0.0441925

Alignment:

HHBSHTCGTGRGTGGKGDBVWMV
 CTGCCTCCCAAGTGCTGGGMWR-

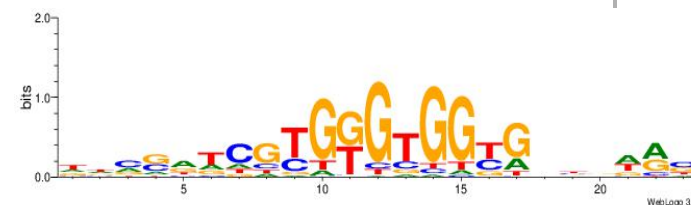
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Motif ID: [UP00539](#)

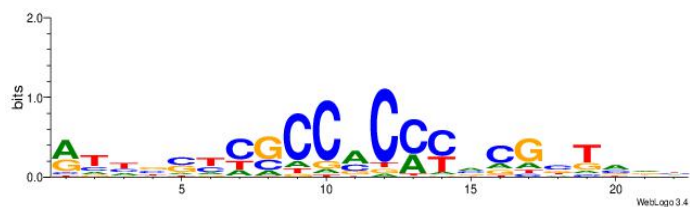
Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 22
 Similarity score: 0.0552063

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 MWYCCCAGCACTTGGGAGGCAG

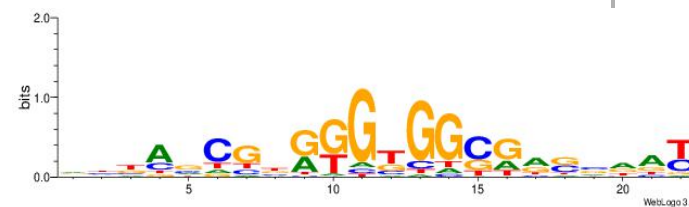
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



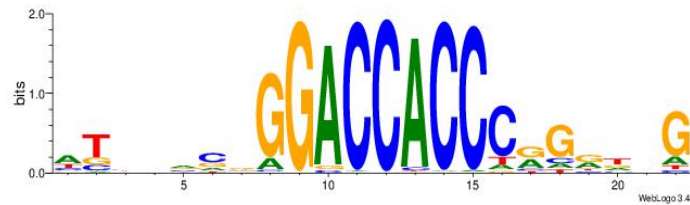
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 22
 Similarity score: 0.0596824

Alignment:

HTBVVVDGGACCACCCRGRDBG
MWYCCCAGCACTTGGGAGGCAG

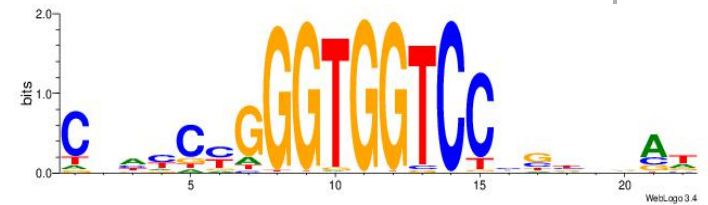
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



Motif ID:	UP00050
Motif name:	Bhlhb2_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	22
Similarity score:	0.0599404

Alignment:

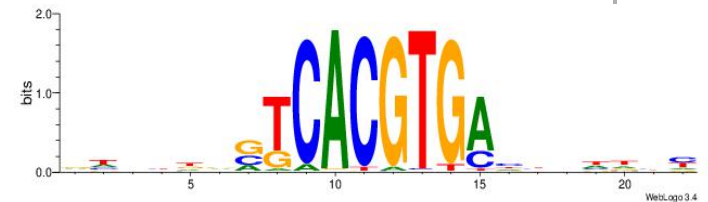
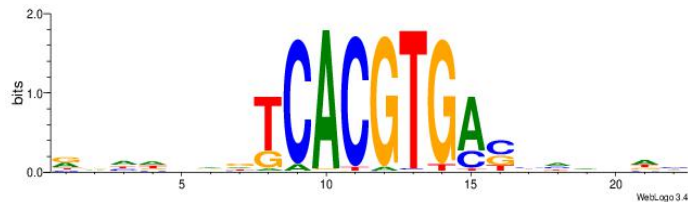
DDHBHBSTCACGTGAHBBDHHM
CTGCCTCCCAAGTGCTGGGMWR

Original motif

Consensus sequence: RDHDBVDTACGTGASBHVHDH

Reverse complement motif

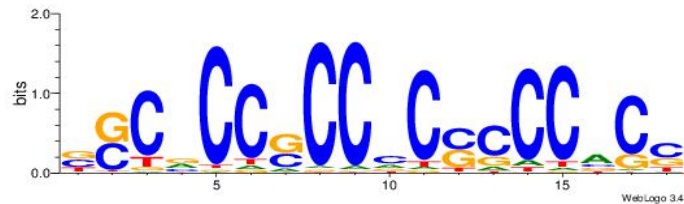
Consensus sequence: DDHBHBSTCACGTGAHBBDHHM



Dataset #: 1 Motif ID: 20 Motif name: C020

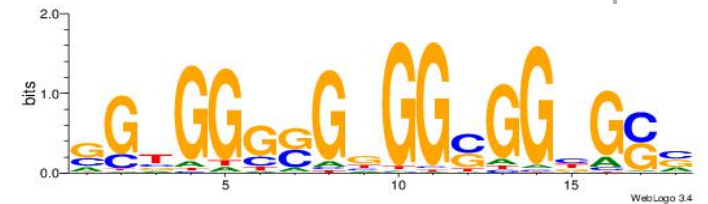
Original motif

Consensus sequence: BSCVCCSCCVSCCCACS



Reverse complement motif

Consensus sequence: SGTGGGSGVGGSGGVGSB



Best Matches for Motif ID 20 (Highest to Lowest)

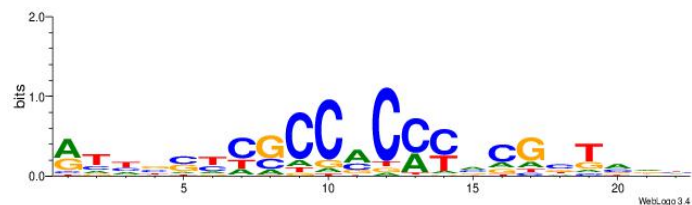
Motif ID:	UP00539
Motif name:	Gli2_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	18
Similarity score:	0.0350167

Alignment:

HDBABCGBKRGYGGCGMSBHAK
 SGTGGGSGVGGSGGVGSB----

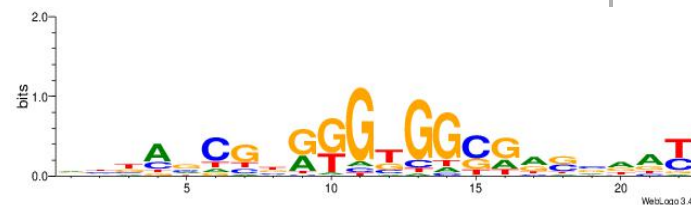
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



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:	5
Number of overlap:	18
Similarity score:	0.0412841

Alignment:

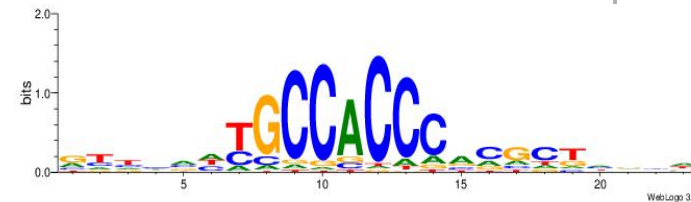
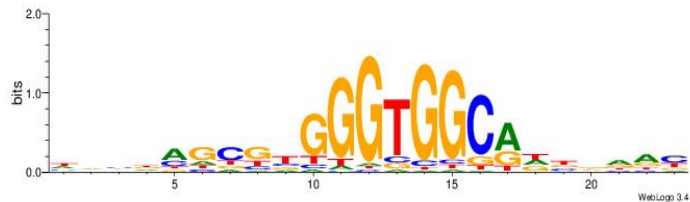
HVBDAGCGBGGGTGGCRDBDDDB
 -SGTGGGSGVGGSGGVGSB----

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



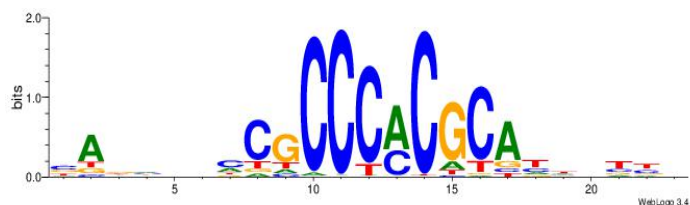
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0415056

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
 --BSCVCCSCCVSCCCACS---

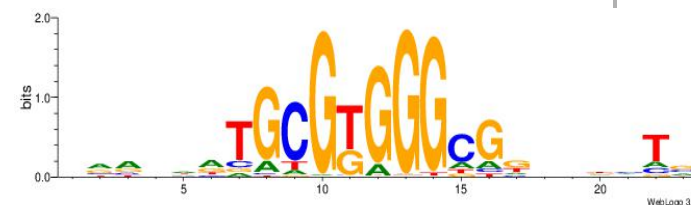
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



Motif ID: [UP00540](#)

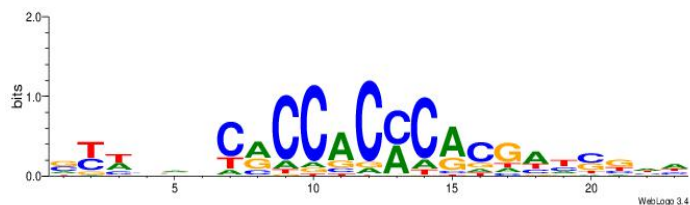
Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.0438926

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 -BSCVCCSCCVCSCCCACS-----

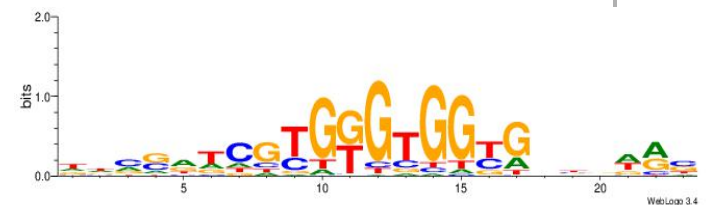
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

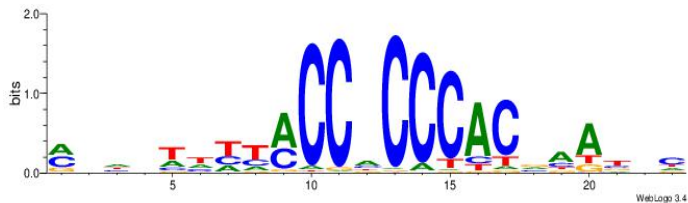


Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 18

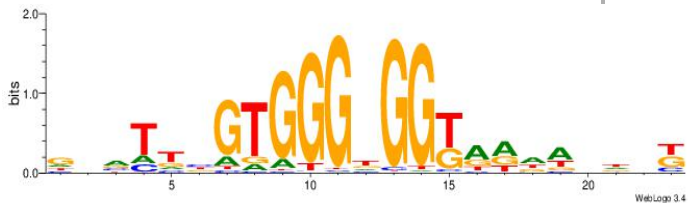
Similarity score: 0.0475246

Alignment:
MHHHWHYTMCCCHCCCACVAABVH
BSCVCCSCCVCSCCCACS-----

Original motif
Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH

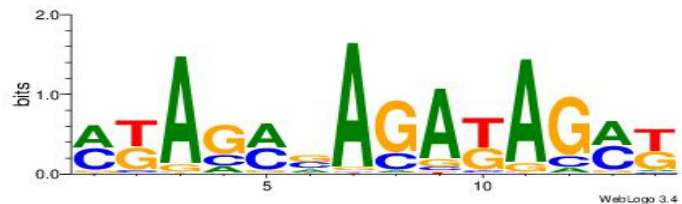


Reverse complement motif
Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY

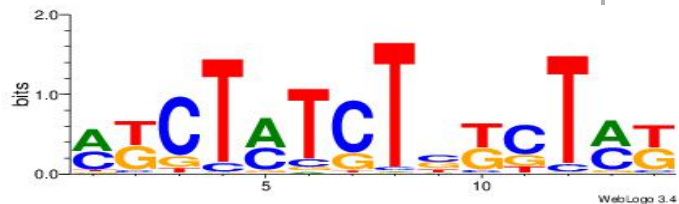


Dataset #: 1 Motif ID: 21 Motif name: C021

Original motif
Consensus sequence: MKAGMVAGAKAGMK



Reverse complement motif
Consensus sequence: RYCTRTCTVYCTRY



Best Matches for Motif ID 21 (Highest to Lowest)

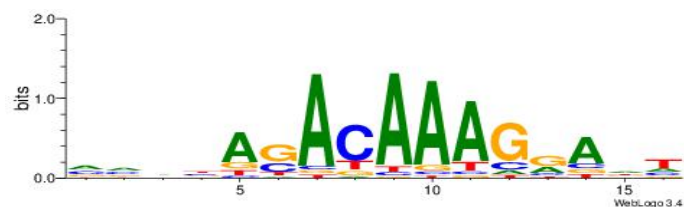
Motif ID:	UP00101
Motif name:	Sox12_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement

Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0269394

Alignment:
HDTMCTTTGTSTVDBB
--RYCTRTCTVYCTRY

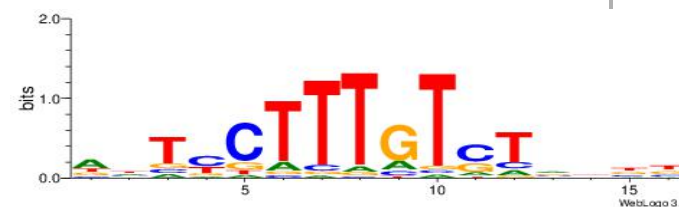
Original motif

Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB

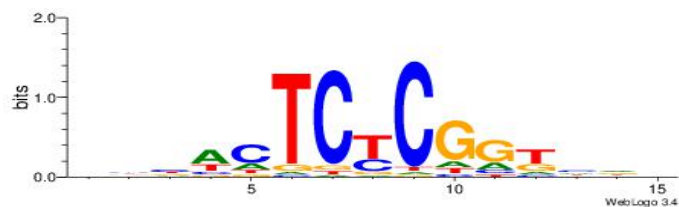


Motif ID: [>UP00011](#)
Motif name: Irf6_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0331495

Alignment:
VBBACTCYCGGKHDV
-MKAGMVAGAKAGMK

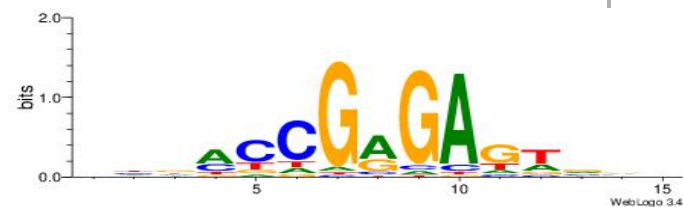
Original motif

Consensus sequence: VBBACTCYCGGKHDV



Reverse complement motif

Consensus sequence: VDDRCCGMGAGTBBB



Motif ID: [UP00040](#)
Motif name: Irf5_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 14
Similarity score: 0.0341976

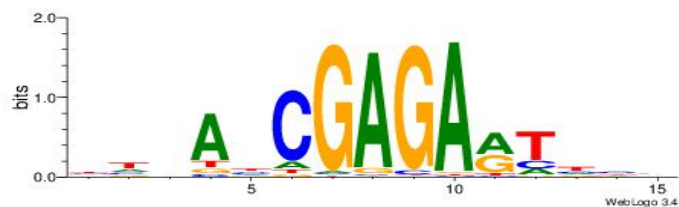
Alignment:

BHDAHCGAGARTHBV

-MKAGMVAGAKAGMK

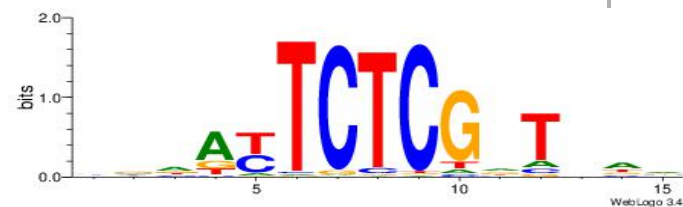
Original motif

Consensus sequence: BHDAHCGAGARTHBV



Reverse complement motif

Consensus sequence: VBHAKTCTCGHTHHV

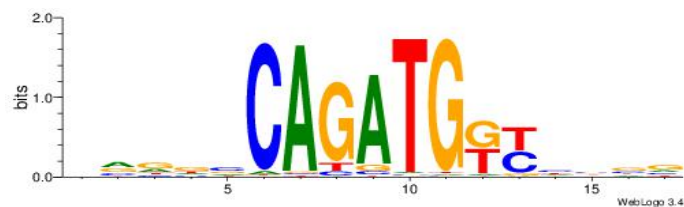


Motif ID: [UP00046](#)
Motif name: Tcfe2a_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0359613

Alignment:
HVDDVCAGATGKYHBBV
MKAGMVAGAKAGMK---

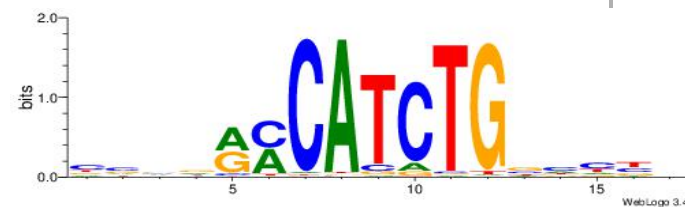
Original motif

Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif

Consensus sequence: VBBDMYCATCTGVHBBH

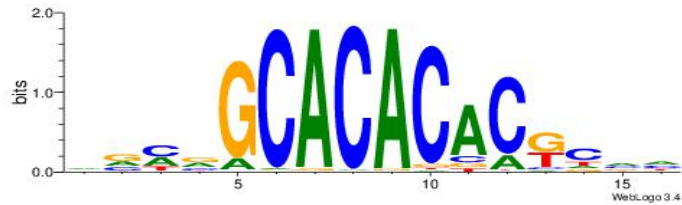


Motif ID: [UP00042](#)
Motif name: Gm397_second
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3

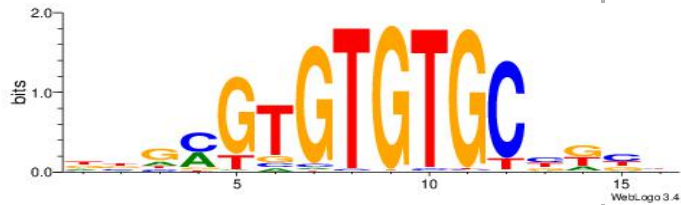
Number of overlap: 14
Similarity score: 0.0368158

Alignment:
HBGYGTGTGTGCVRVD
--RYCTRTCTVYCTRY

Original motif
Consensus sequence: DVMVGCACACACKCVH

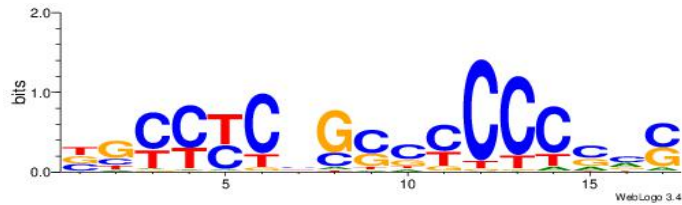


Reverse complement motif
Consensus sequence: HBGYGTGTGTGCVRVD

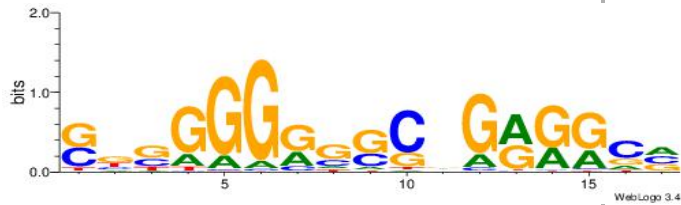


Dataset #: 1 Motif ID: 22 Motif name: C022

Original motif
Consensus sequence: BGCCYCBGSCYCCCSVS



Reverse complement motif
Consensus sequence: SVSGGGKGSCBGMGGCV



Best Matches for Motif ID 22 (Highest to Lowest)

Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus

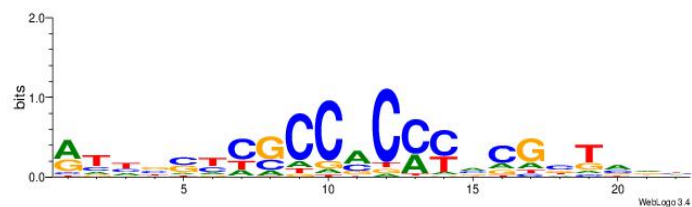
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	6
Number of overlap:	17
Similarity score:	0.0352062

Alignment:

```
RTHBSYCGCCMCMYVCGBTVDH
BGCCYCBGSCYCCCSVS-----
```

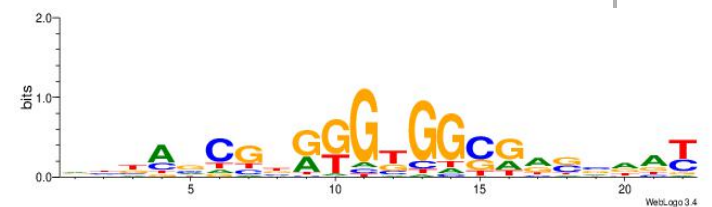
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



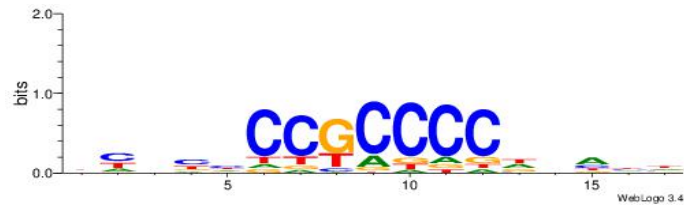
Motif ID:	UP00033
Motif name:	Zfp410_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	17
Similarity score:	0.0384374

Alignment:

BHHBHCCGCCCCDHHHH
BGCCYCBGSCYCCCSVS

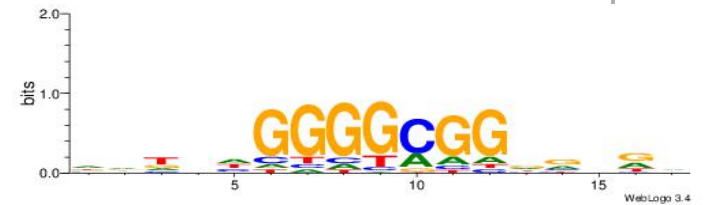
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



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:	7
Number of overlap:	17
Similarity score:	0.0394824

Alignment:

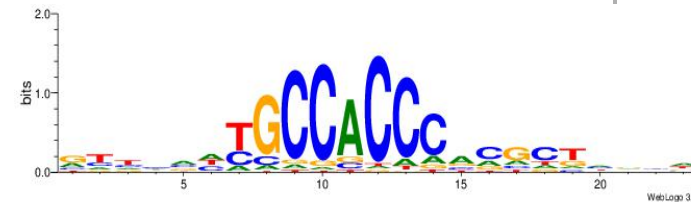
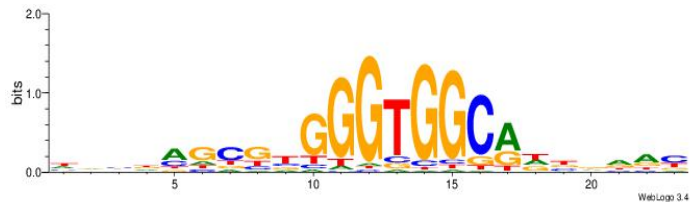
HVBDAGCGBGGGTGGCRDBDDDB
-----SVSGGGKGSGBMGGCV

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

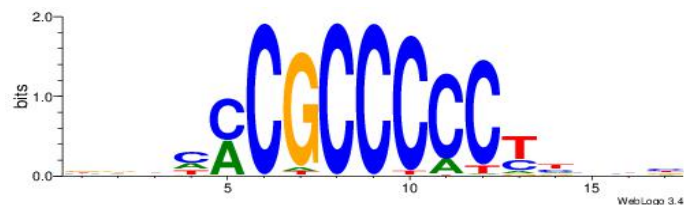
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



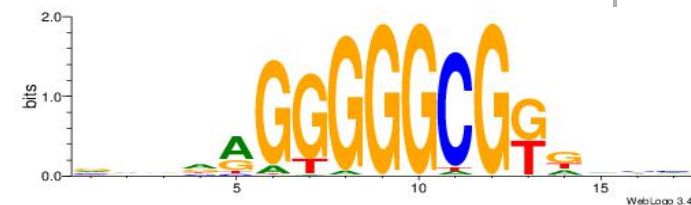
Motif ID: [UP00002](#)
 Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0470502

Alignment:
 BDHMC G C C C C C T H V B B
 B G C C Y C B G S C Y C C C S V S

Original motif
 Consensus sequence: BDHMC G C C C C C T H V B B



Reverse complement motif
 Consensus sequence: B V V H A G G G G G C G R D H H B



Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary

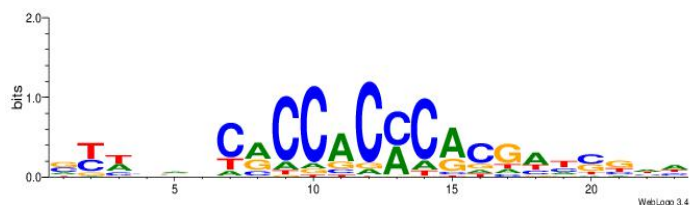
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 17
 Similarity score: 0.0477827

Alignment:

HHBSHTCGTGRGTGGKGDBVWMV
 -----SVSGGGKGSCBGMGGCV

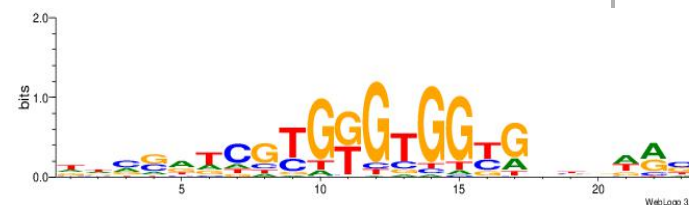
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

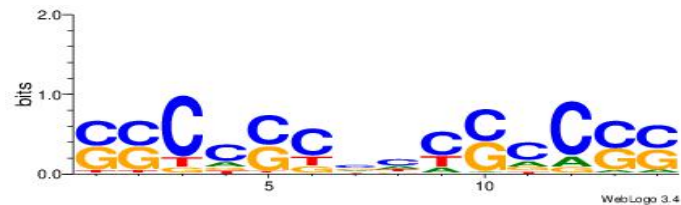
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Dataset #: 1 **Motif ID: 23** **Motif name: C023**

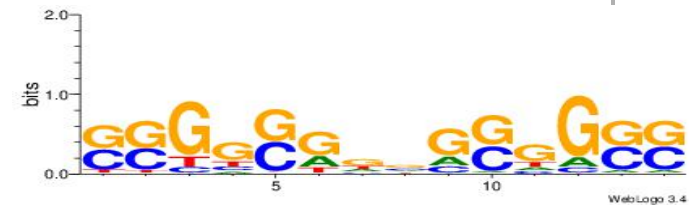
Original motif

Consensus sequence: SSCSCBHCSCCSS



Reverse complement motif

Consensus sequence: SSGSGDBGSGGSS



Best Matches for Motif ID 23 (Highest to Lowest)

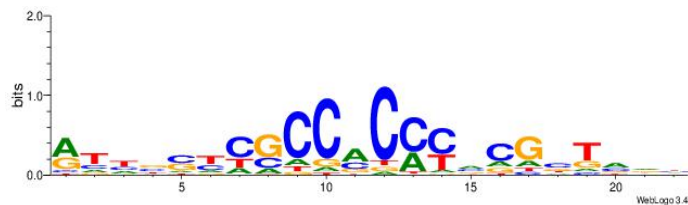
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 14
Similarity score: 0.0233667

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
---SSCCSCBHCSCCSS-----

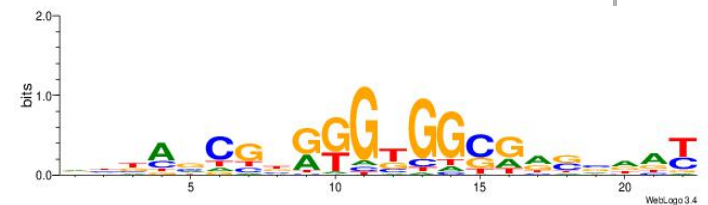
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCBKRGYGGCGMSBHAK



Motif ID: [UP00099](#)
Motif name: Ascl2_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement

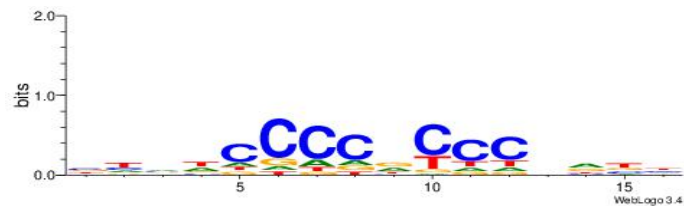
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0308308

Alignment:

```
HVDVGGGHGGGGDBHB
SSGGSGBGSGGSS--
```

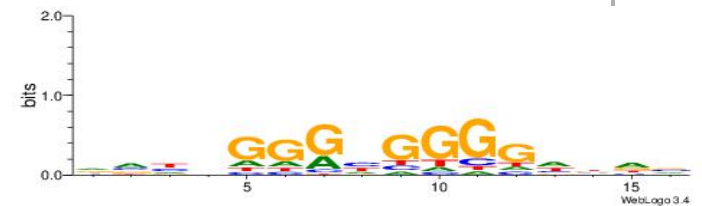
Original motif

Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif

Consensus sequence: HVDVGGGHGGGGDBHB



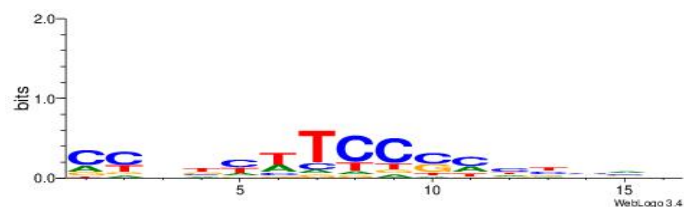
Motif ID:	UP00013
Motif name:	Gabpa_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	14
Similarity score:	0.0321962

Alignment:

DBVVDRSGGAWKVHKG
--SSGGSGDBGSGGSS

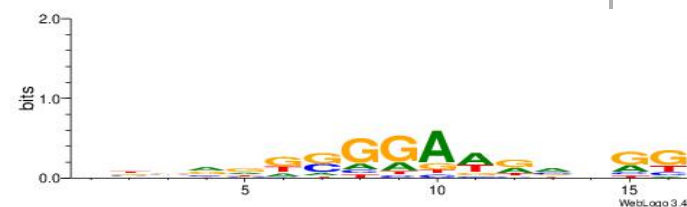
Original motif

Consensus sequence: CYDBYWTCCSMHBVVH



Reverse complement motif

Consensus sequence: DBVVDRSGGAWKVHKG



Motif ID: [UP00021](#)
Motif name: Zfp281_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0322741

Alignment:

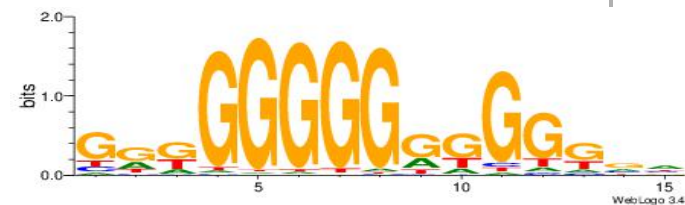
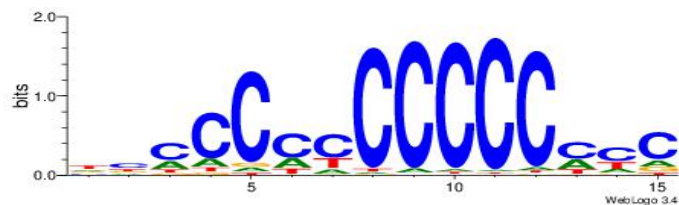
GKRGGGGGGGGGGBD
-SSGGSGDBGSGGSS

Original motif

Consensus sequence: DBCCCCCCCCCMYC

Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD

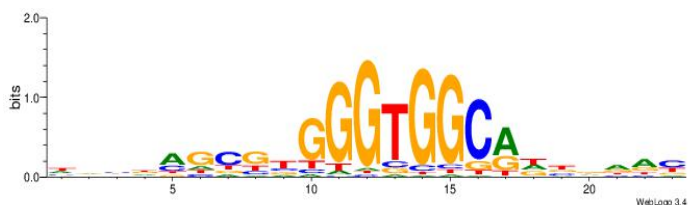


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0324541

Alignment:
 BDDHVDKGCCACCCVCGCTDBVH
 -----SSCCSCBHCSCCSS--

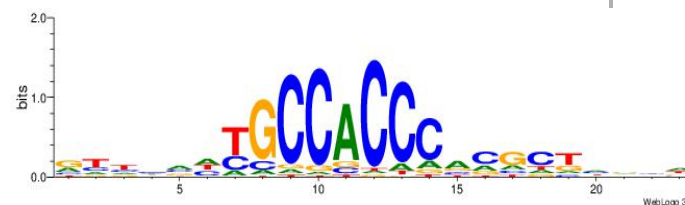
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

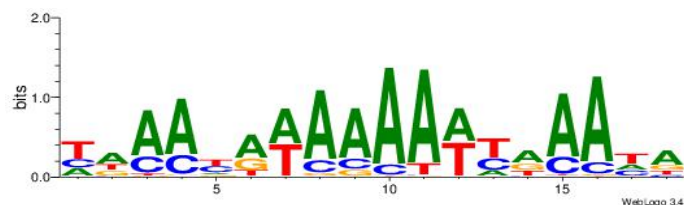
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Dataset #: 1 **Motif ID: 24** **Motif name: C024**

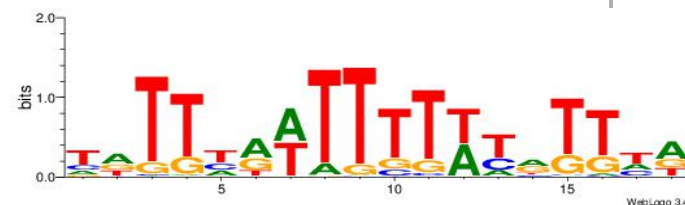
Original motif

Consensus sequence: TDAAYRWAAAWYDAAHA



Reverse complement motif

Consensus sequence: THTTDMWTTTTWKMTTDA



Best Matches for Motif ID 24 (Highest to Lowest)

Motif ID:	UP00034
Motif name:	Sox7_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	18
Similarity score:	0.0410905

Alignment:

WBHHHHHMDATTGTTHDHDVHH

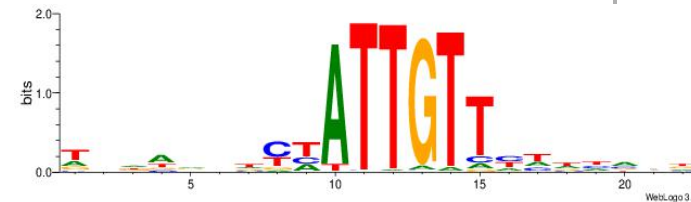
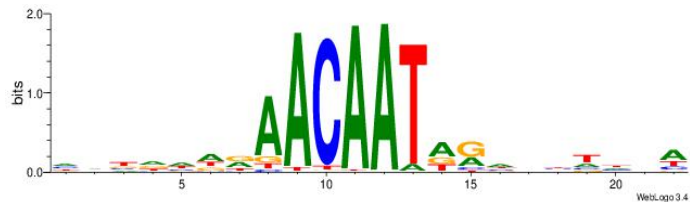
--THTTDMWTTTTWKMTTDA--

Original motif

Consensus sequence: HHBDHDDAACAAATDRHHHHHBW

Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



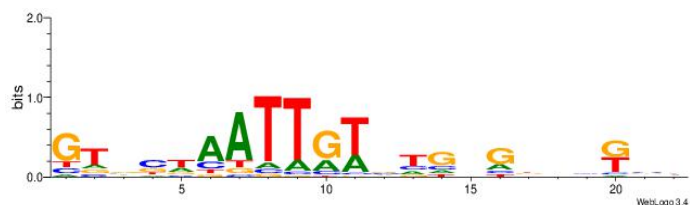
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.0441479

Alignment:

VVYDDDCHCAVACAATTDBVAC
 ----TDAAYRWAAAWYDAAHA

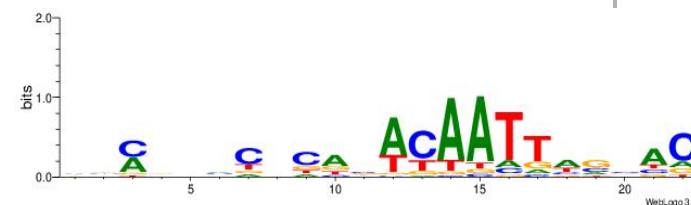
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Motif ID: [UP00032](#)

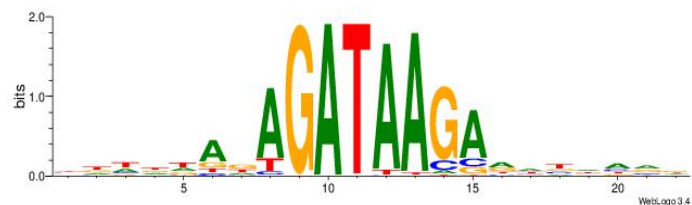
Motif name: Gata3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0508186

Alignment:

HBHDVHDTCTTATCTHTDDHDV
 THTTDMWTTTTWKMTTDA----

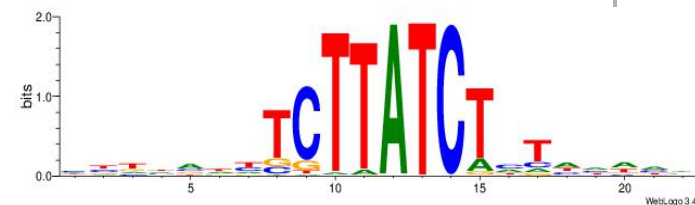
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV

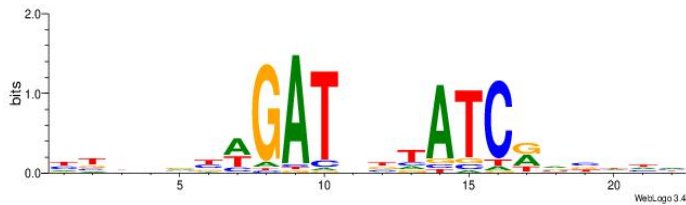


Motif ID: [UP00032](#)
 Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 18

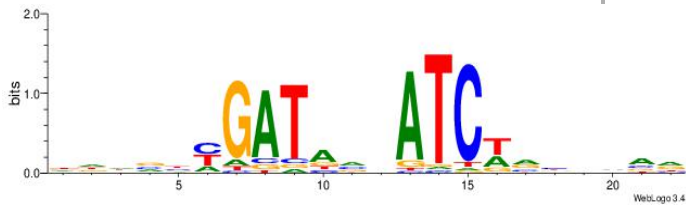
Similarity score: 0.0546986

Alignment:
HHHBBMGATAVHATCWVVDHVH
--TDAAYRWAAAAYDAAHA--

Original motif
Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif
Consensus sequence: HHHBBMGATAVHATCWVVDHVH

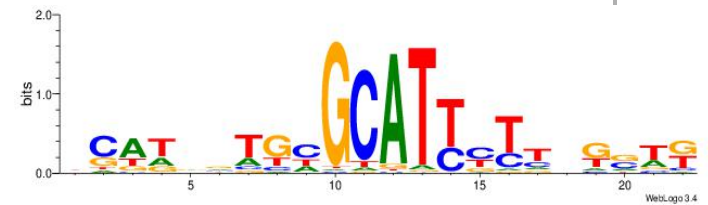
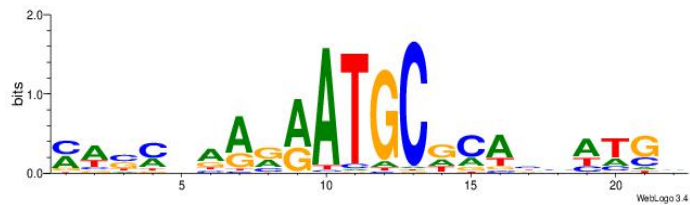


Motif ID: [UP00528](#)
Motif name: Foxm1_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 18
Similarity score: 0.0553

Alignment:
MWSMBAARRATGCD CABHATGD
TDAAYRWAAAAYDAHA----

Original motif
Consensus sequence: MWSMBAARRATGCD CABHATGD

Reverse complement motif
Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Dataset #: 1 Motif ID: 25 Motif name: C025

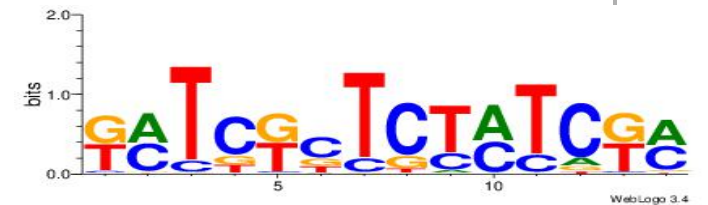
Original motif

Consensus sequence: KMGAKAGAGMGAKM



Reverse complement motif

Consensus sequence: RRTCRCCTCTCTCRR



Best Matches for Motif ID 25 (Highest to Lowest)

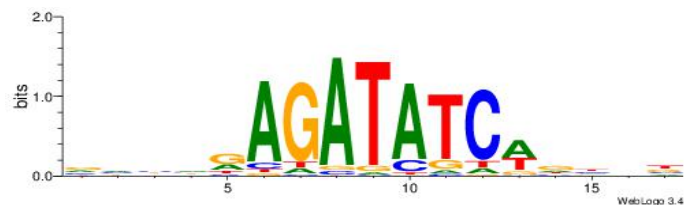
Motif ID:	UP00080
Motif name:	Gata5_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	14
Similarity score:	0.036512

Alignment:

VVBHRAGATATCWDHBB
RRTCRCCTCTRTCRR---

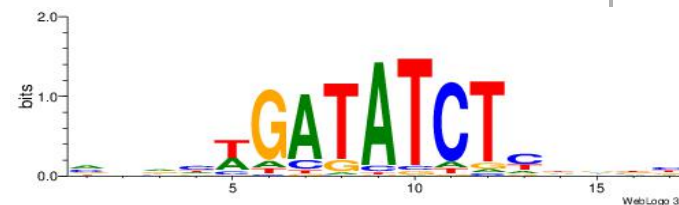
Original motif

Consensus sequence: VVBHRAGATATCWDHBB



Reverse complement motif

Consensus sequence: VVHHWGATATCTMHBBV



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:	4
Number of overlap:	14
Similarity score:	0.0377627

Alignment:

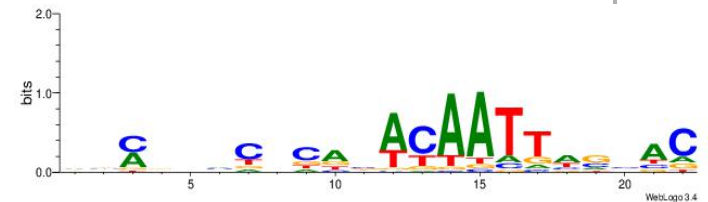
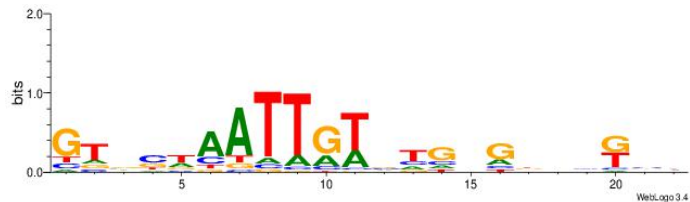
VVYDDDCHCAVACAATTDBVAC
-----RRTCRCCTCTRTCRR---

Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB

Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



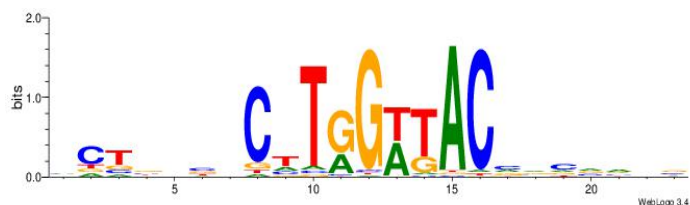
Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10
 Number of overlap: 14
 Similarity score: 0.0384238

Alignment:

VCTBHBVCTTGGWTACVVVVVDB
 -----KMGAKAGAGMGAKM

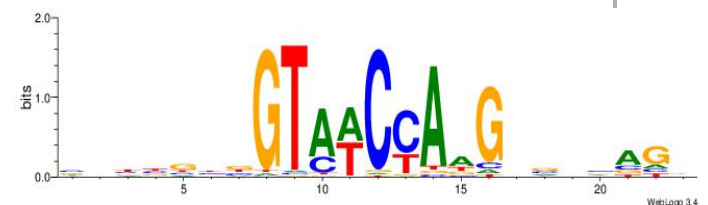
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



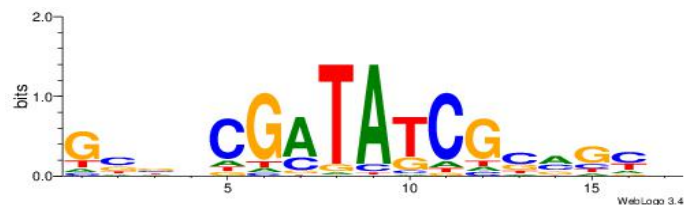
Motif ID: [UP00100](#)

Motif name: Gata6_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: 14
 Similarity score: 0.0394703

Alignment:
 HKCBSCGATATCGVBBC
 RRTCRCCTCTRTCRR---

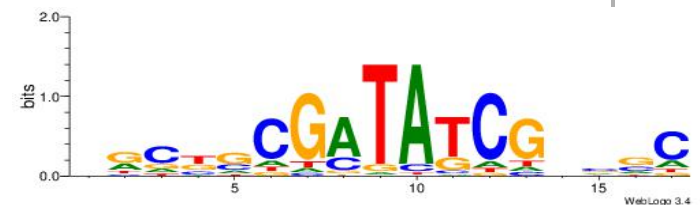
Original motif

Consensus sequence: GBBVCGATATCGSVGYD



Reverse complement motif

Consensus sequence: HKCBSCGATATCGVBBC



Motif ID: [UP00040](#)
 Motif name: Irf5_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0405383

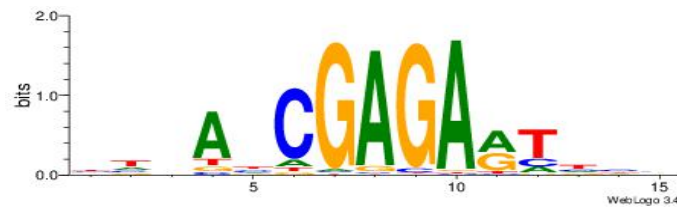
Alignment:

BHDAHCGAGARTHBV

KMGAKAGAGMGAKM-

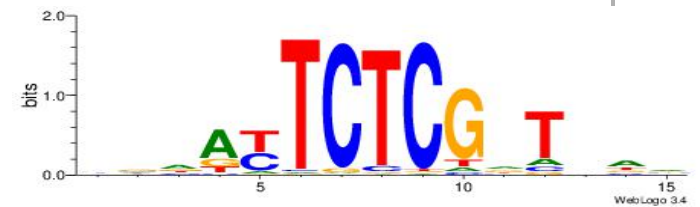
Original motif

Consensus sequence: BHDAHCGAGARTHBV



Reverse complement motif

Consensus sequence: VBHAKTCTCGHTHHV



Dataset #: 1

Motif ID: 26

Motif name: C026

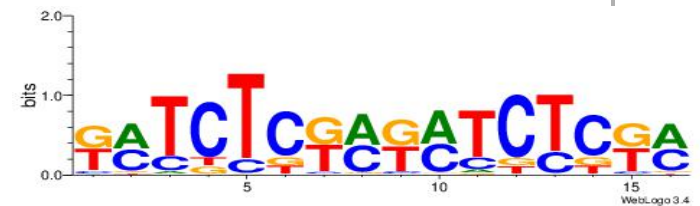
Original motif

Consensus sequence: KMGAGAKMKMGAGAKM



Reverse complement motif

Consensus sequence: RRTCTCRRRTCTCRR



Best Matches for Motif ID 26 (Highest to Lowest)

Motif ID:	UP00095
Motif name:	Zfp691_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward

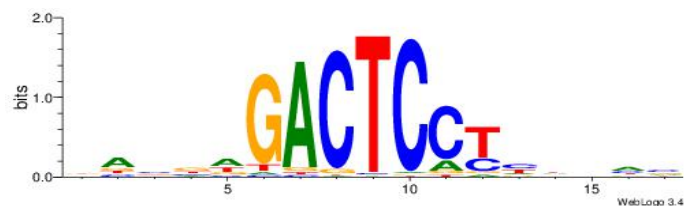
Position number: 1
Number of overlap: 16
Similarity score: 0.0454643

Alignment:

VHBDDAGGAGTCWBBTD
RRTCTCRRRTCTCRR-

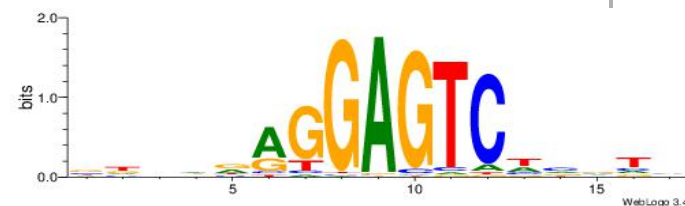
Original motif

Consensus sequence: DABBWGACTCCTHDVHV



Reverse complement motif

Consensus sequence: VHBDDAGGAGTCWBBTD



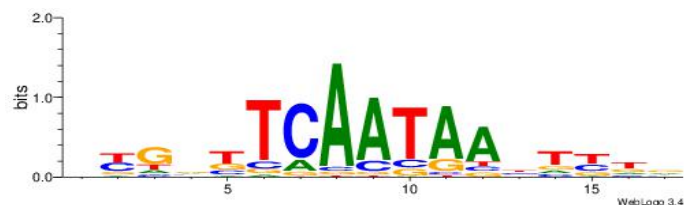
Motif ID: [UP00037](#)
Motif name: Zfp105_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 16
Similarity score: 0.0459821

Alignment:

HDMAVTTATTGARVCMH
KMGAGAKMKMGAGAKM-

Original motif

Consensus sequence: DYGVKTCAATAABTYDD



Reverse complement motif

Consensus sequence: HDMAVTTATTGARVCMH



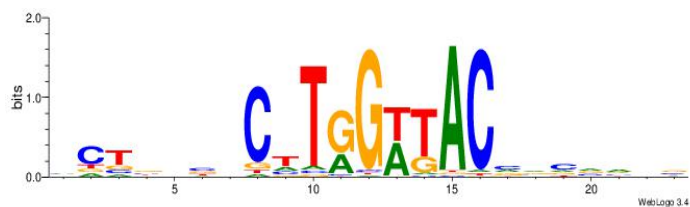
Motif ID: [UP00098](#)
Motif name: Rfx3_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 7
Number of overlap: 16
Similarity score: 0.0470026

Alignment:

```
BDBBVBVGTAWCCAAGVBHBAGB  
-----RRTCTCRRRTCTCRR-
```

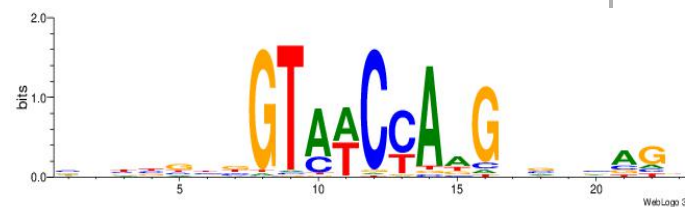
Original motif

Consensus sequence: VCTBHBVCTTGGWTACV VVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



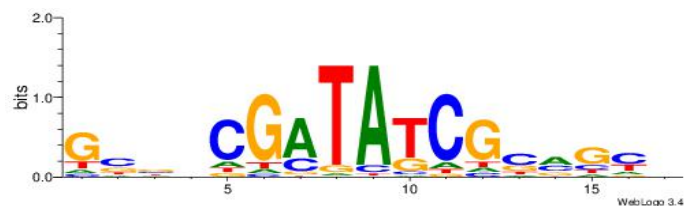
Motif ID: [UP00100](#)
Motif name: Gata6_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 16
Similarity score: 0.0472484

Alignment:

HKCBSCGATATCGVBBC
RRTCTCRRRTCTCRR-

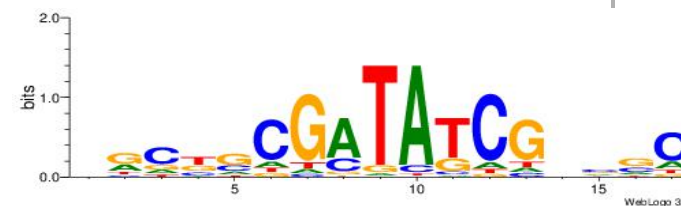
Original motif

Consensus sequence: GBBVCGATATCGSVGYD



Reverse complement motif

Consensus sequence: HKCBSCGATATCGVBBC



Motif ID: [UP00080](#)
Motif name: Gata5_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward

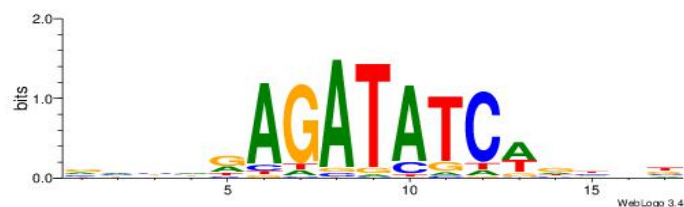
Position number: 2
 Number of overlap: 16
 Similarity score: 0.0489582

Alignment:

VVHHWGATATCTMHBBV
 -KMGAGAKMKMGAGAKM

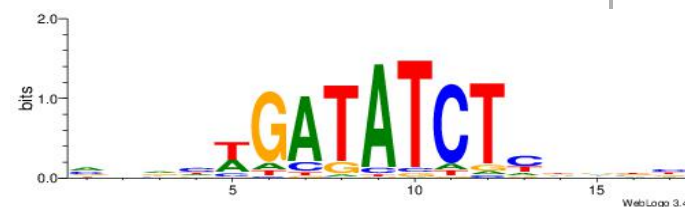
Original motif

Consensus sequence: VVBHRAGATATCWDHBB



Reverse complement motif

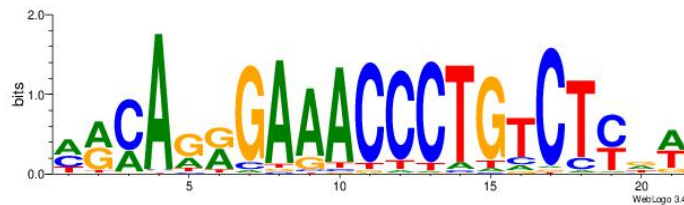
Consensus sequence: VVHHWGATATCTMHBBV



Dataset #: 1 Motif ID: 27 Motif name: C027

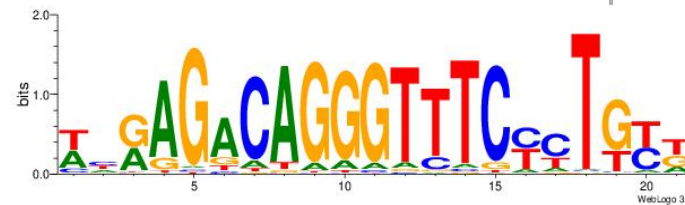
Original motif

Consensus sequence: MRCAGRGAAACCCTGTCTYDW



Reverse complement motif

Consensus sequence: WHKAGACAGGGTTTCMCTGKY



Best Matches for Motif ID 27 (Highest to Lowest)

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

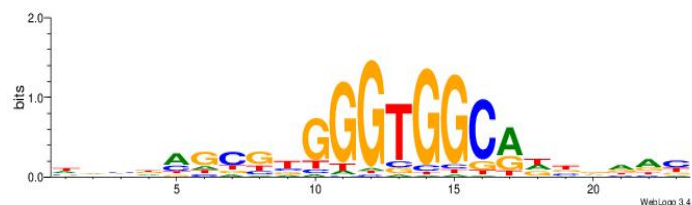
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 21
 Similarity score: 0.0379369

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
 -WHKAGACAGGGTTTCMCTGKY-

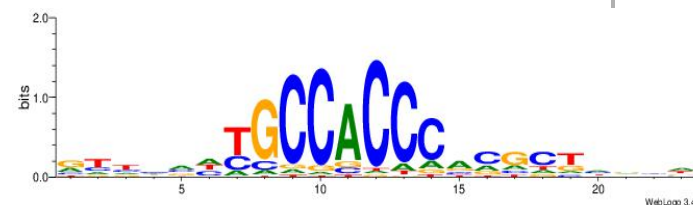
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDPGCCACCCVCGCTDBVH



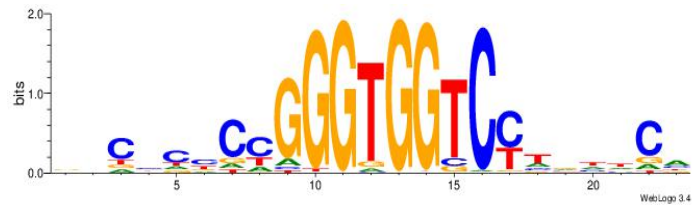
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 21
 Similarity score: 0.0428251

Alignment:

HGDHVHKGACCACCCGGBGBGDB
--MRCAGRGAAACCCTGTCTYDW

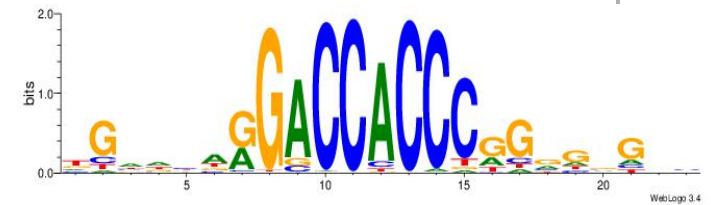
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



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:	Backward
Position number:	2
Number of overlap:	21
Similarity score:	0.0432221

Alignment:

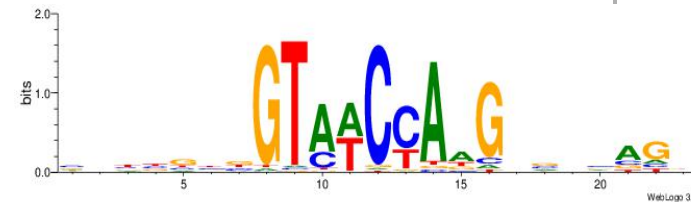
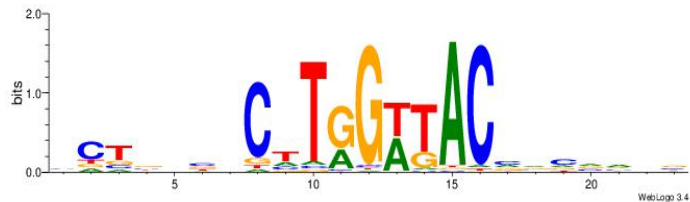
VCTBHBVCTTGGWTACVVVVVDB
-WHKAGACAGGGTTTCMCTGKY-

Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB

Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



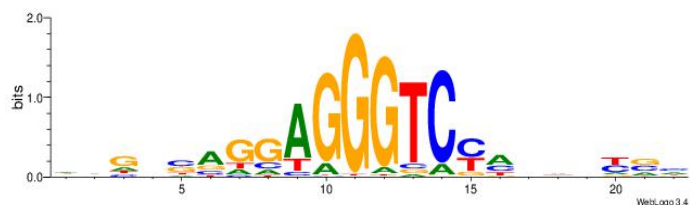
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 21
 Similarity score: 0.0454185

Alignment:

DVMHHDHKGACCCTCCTSVCBH
 MRCAGRGAAACCCTGTCTYDW-

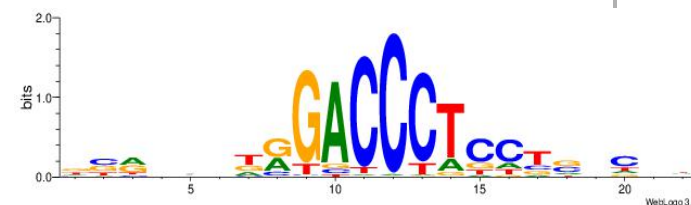
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



Motif ID: [UP00032](#)

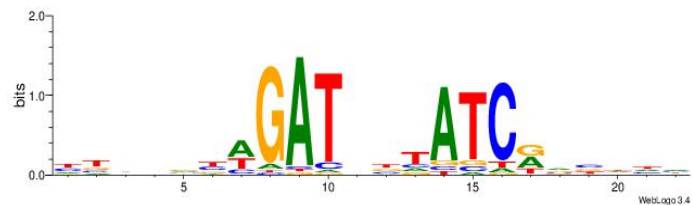
Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 21
 Similarity score: 0.0491194

Alignment:

HBHDVBWGATHBTATCRVBHHH
 -WHKAGACAGGGTTTCMCTGKY

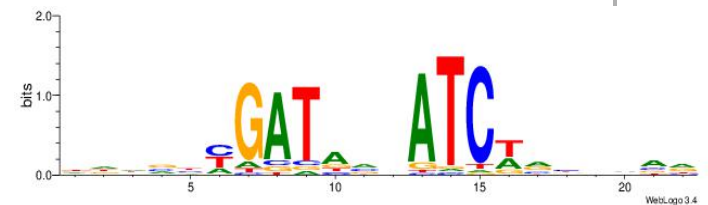
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVVH



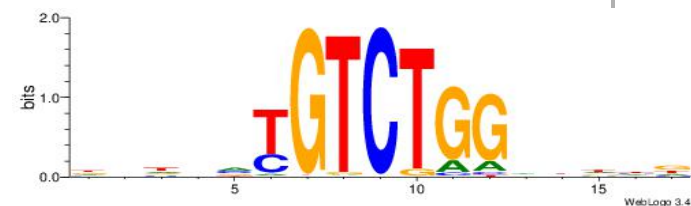
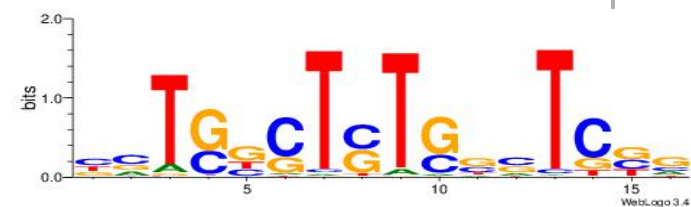
Dataset #: 1 Motif ID: 28 Motif name: C028

Original motif

Consensus sequence: BVGASSCASAGVSABV

Reverse complement motif

Consensus sequence: VBTSVCTSTGSSTCVB



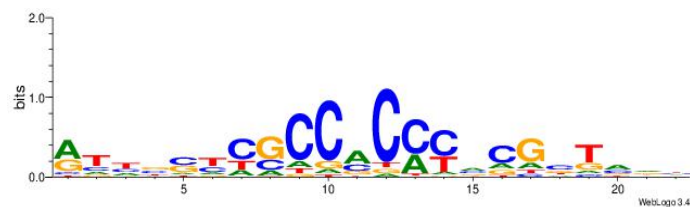
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 16
 Similarity score: 0.0393573

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 ---BVGASSCASAGVSABV---

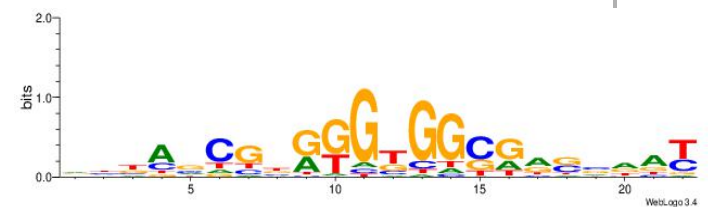
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID: [UP00013](#)
 Motif name: Gabpa_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1

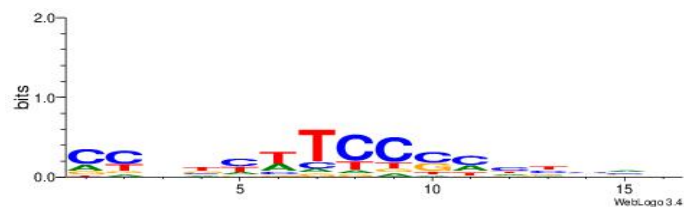
Number of overlap: 16
Similarity score: 0.0397911

Alignment:

CYDBYWTCCSMHBVVH
VBTSVCTSTGSSTCVB

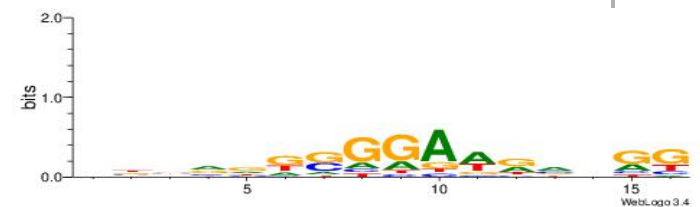
Original motif

Consensus sequence: CYDBYWTCCSMHBVVH



Reverse complement motif

Consensus sequence: DBVDRSGGAWKVHKG



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: 2
Number of overlap: 16
Similarity score: 0.0399886

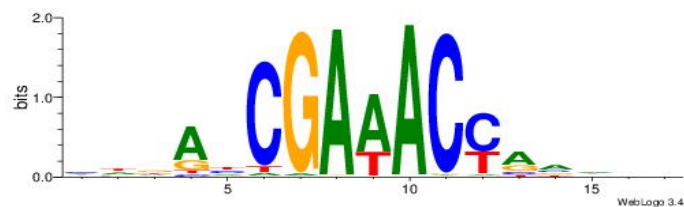
Alignment:

DHDBTKGTTTCGHTHDD
-VBTSVCTSTGSSTCVB

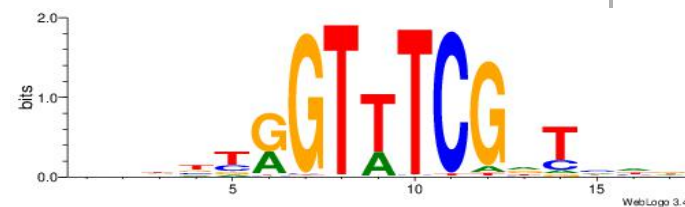
Original motif

Reverse complement motif

Consensus sequence: HDDAHCGAAACYAVDDD



Consensus sequence: DHDBTKGTTTCGHTHDD



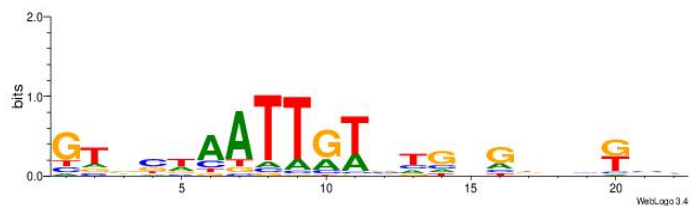
Motif ID: [UP00034](#)
Motif name: Sox7_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 16
Similarity score: 0.0408182

Alignment:

GTVBDAATTGTVTGHGDDHKVB
--VBTSVCTSTGSSTCVB----

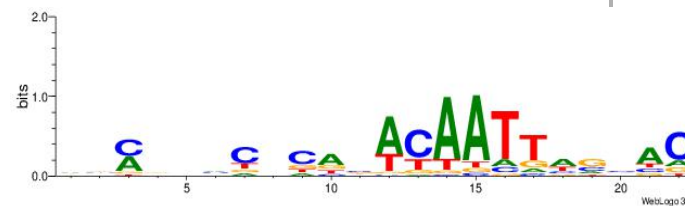
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

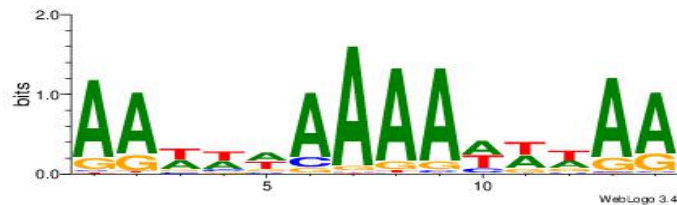
Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Dataset #: 1 **Motif ID: 29** **Motif name: C029**

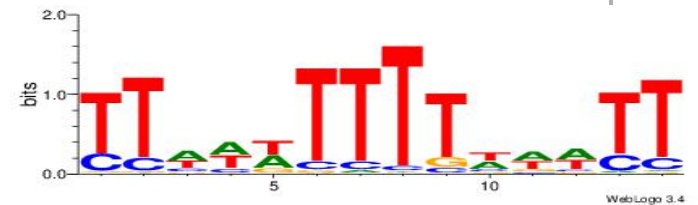
Original motif

Consensus sequence: AAWWWAAAWWAA



Reverse complement motif

Consensus sequence: TTWWWTTTTWWTT



Best Matches for Motif ID 29 (Highest to Lowest)

Motif ID:	UP00121
Motif name:	Hoxd10
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	14
Similarity score:	0.0387466

Alignment:

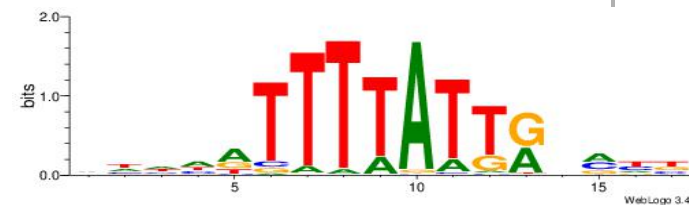
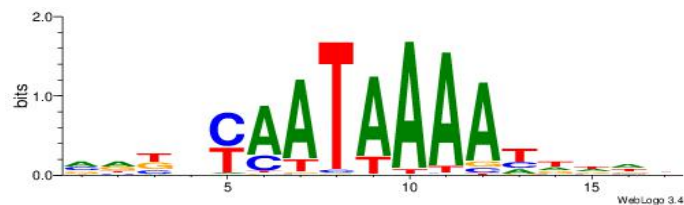
```
HDDDATTTTATTKVRDB
TTWWWTTTTWWTT---
```

Original motif

Consensus sequence: VDKVYAATAAAATDDDH

Reverse complement motif

Consensus sequence: HDDDATTTTATTKVRDB

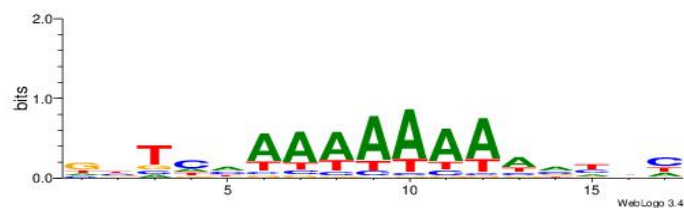


Motif ID: [UP00090](#)
 Motif name: Elf3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0414949

Alignment:
 DDHBT TTT TTT THDAVH
 TTWW TTT TTT WWTT ---

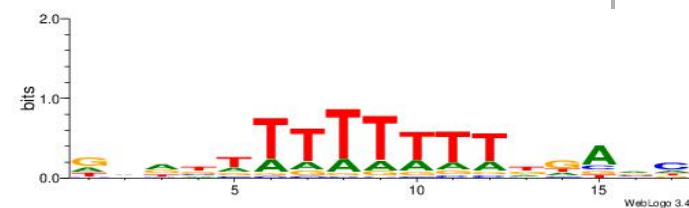
Original motif

Consensus sequence: DBTHHAAAAAAAAAVH



Reverse complement motif

Consensus sequence: DDHBT TTT TTT THDAVH



Motif ID: [UP00077](#)

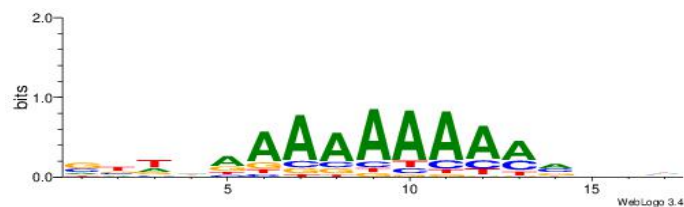
Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0415039

Alignment:

VBDDAAAAAAAAAMVBHH
 ---AAWWAAAAWWAA

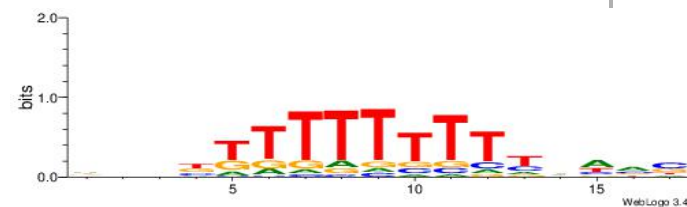
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTDDVV



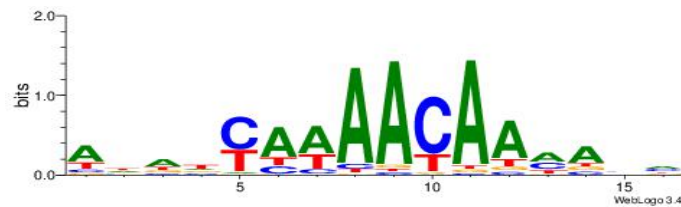
Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0434847

Alignment:

ADDDYAWAACAAMAHH
AAWWWAAAACWWAA--

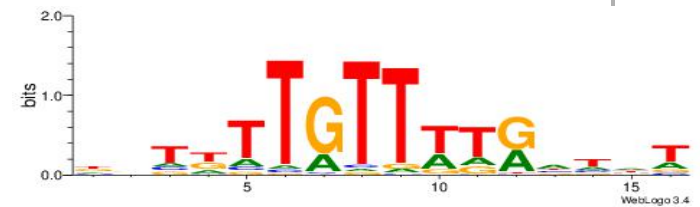
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



Motif ID:	UP00255
Motif name:	Dbx1
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:	0.045306

Alignment:

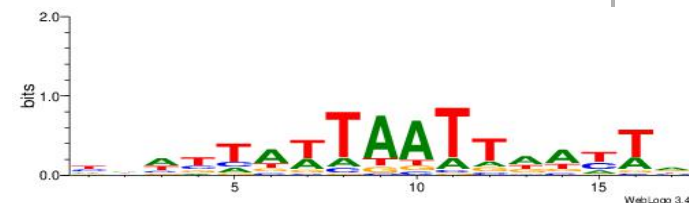
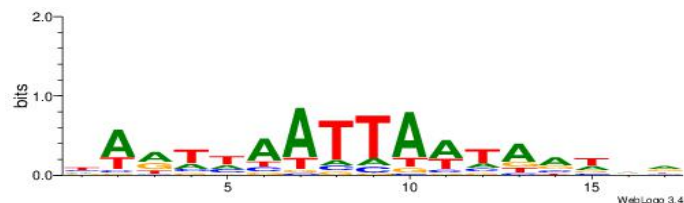
HARTHAATTAWTAVDHD
-AAWWWAAAACWWAA--

Original motif

Consensus sequence: HARTHAATTAWTAVDHD

Reverse complement motif

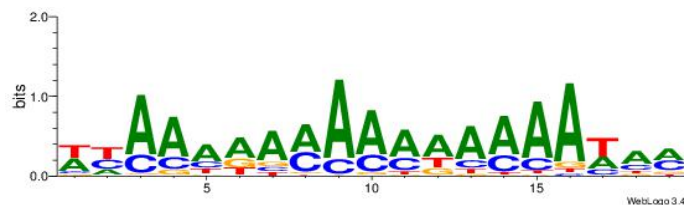
Consensus sequence: DHDBTAWTAATTHAKTH



Dataset #: 1 Motif ID: 30 Motif name: C030

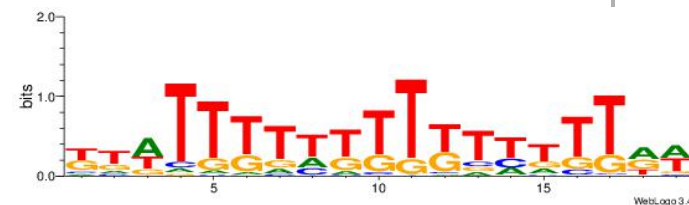
Original motif

Consensus sequence: WYAAAAAIAAAAAAAAAAWAM



Reverse complement motif

Consensus sequence: YTWTTTTTTTTTYYYYTTMW



Best Matches for Motif ID 30 (Highest to Lowest)

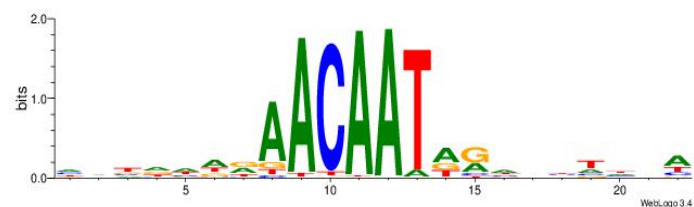
Motif ID:	UP00034
Motif name:	Sox7_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	19
Similarity score:	0.0369294

Alignment:

HHBDHDDAACAATDRHHHHHBW
--WYAAAAAAMAAAAAAAWAM--

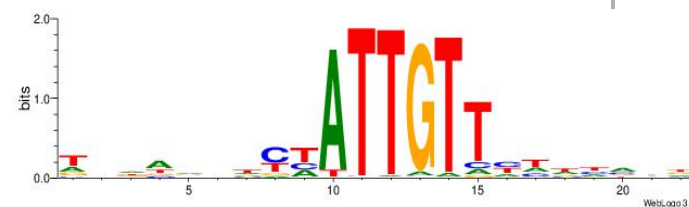
Original motif

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:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	19
Similarity score:	0.0399523

Alignment:

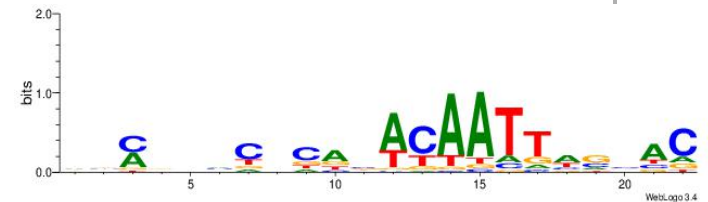
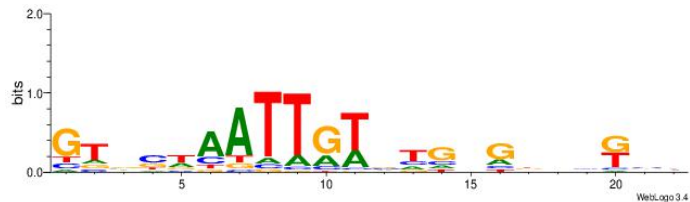
GTVBDAATTGTVTGHGDDHKVB
---YTWTTTTTTTTYTTTTTMW

Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB

Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC

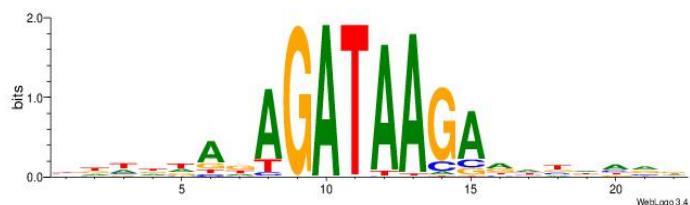


Motif ID: [UP00032](#)
 Motif name: Gata3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 19
 Similarity score: 0.0431733

Alignment:
 HBHDVHDTCTTATCTHTDDHDV
 --YTWTTTTTTTTYTTTTTMW-

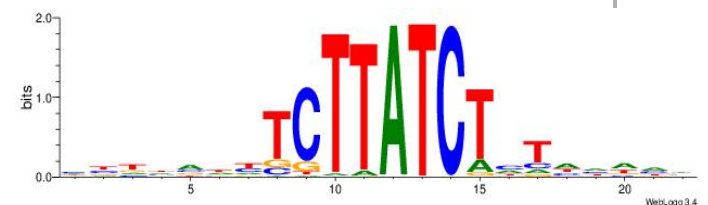
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



Motif ID: [UP00032](#)

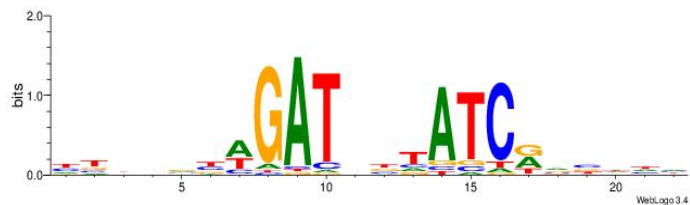
Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 19
 Similarity score: 0.0503657

Alignment:

HHHBBMGATAVHATCWVVDHVH
 ---WYAAAAAMAAAAAAAWAM

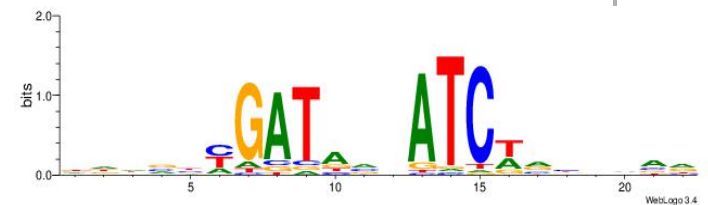
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVH

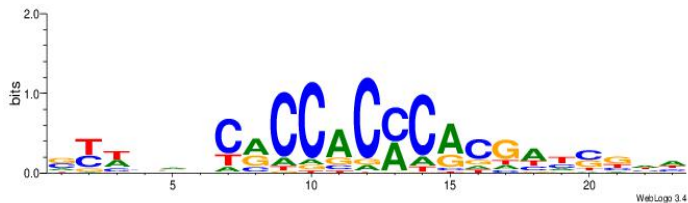


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 19

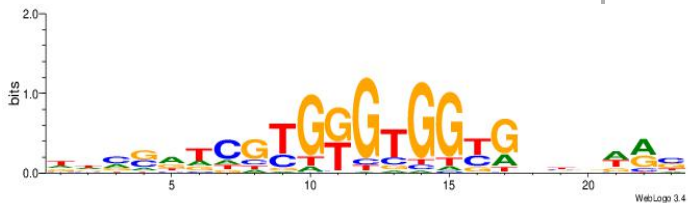
Similarity score: 0.0507131

Alignment:
VYWVVHCRCCACMCACGAHSBHH
--WYAAAAAMAAAAAAAWAM--

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

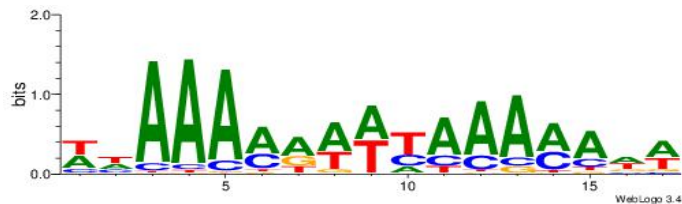


Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

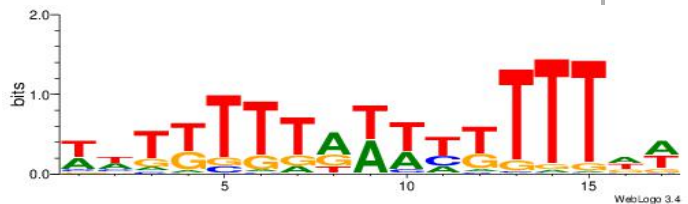


Dataset #: 1 Motif ID: 31 Motif name: C031

Original motif
Consensus sequence: WHAAAMRWWYAAAMAWW



Reverse complement motif
Consensus sequence: WWTYTTTMWWKYTTTHW



Best Matches for Motif ID 31 (Highest to Lowest)

Motif ID: [UP00077](#)
Motif name: Srf_secondary
Species: Mus musculus
Matching format of first motif: Original Motif

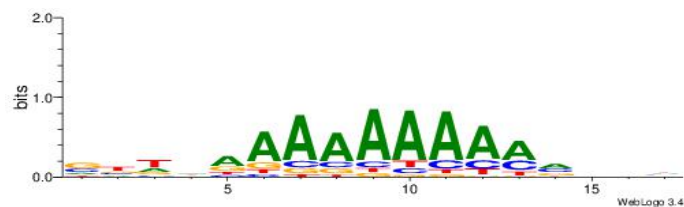
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	17
Similarity score:	0.0458825

Alignment:

```
VBDDAAAAAAAAAMVBHH  
WHAAAMRWYAAAMAWW
```

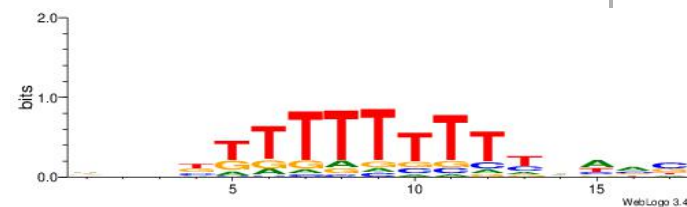
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDV



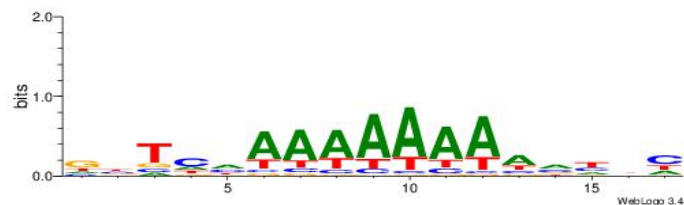
Motif ID:	UP00090
Motif name:	Elf3_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	17
Similarity score:	0.0488194

Alignment:

DDHBTTTTTTTHDAVH
WWTYTTTMWWKYTTTHW

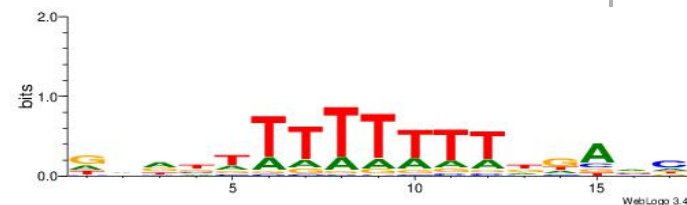
Original motif

Consensus sequence: DBTHHAAAAAAAAAVHDH



Reverse complement motif

Consensus sequence: DDHBTTTTTTTTHDAVH



Motif ID:	UP00034
Motif name:	Sox7_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	6
Number of overlap:	17
Similarity score:	0.0501404

Alignment:

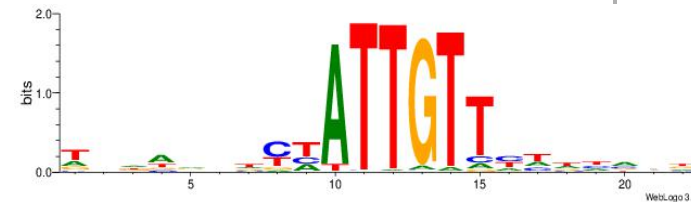
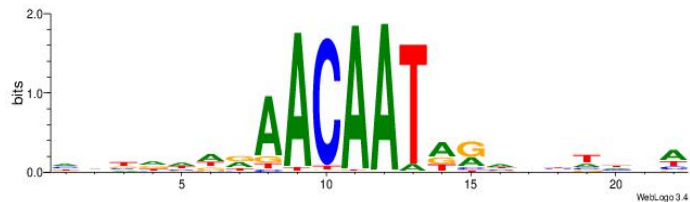
WBHHHHHMDATTGTTHDHDVHH
WWTYTTTMWWKYTTTHW-----

Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW

Reverse complement motif

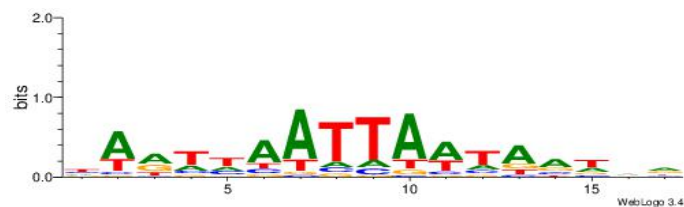
Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



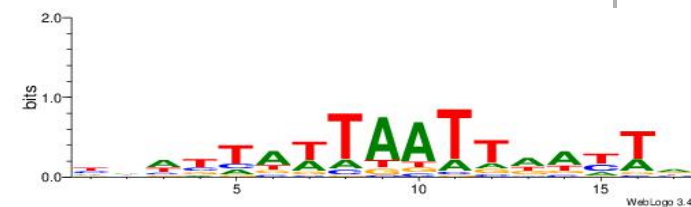
Motif ID: [UP00255](#)
 Motif name: Dbx1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0539477

Alignment:
 DHDBTAWTAATTHAKTH
 WWTYTTTMWWKYTTTHW

Original motif
 Consensus sequence: HARTHAATTAWTAVDHD



Reverse complement motif
 Consensus sequence: DHDBTAWTAATTHAKTH



Motif ID: [UP00078](#)

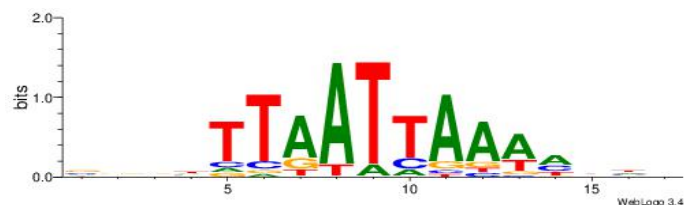
Motif name: Arid3a_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0545289

Alignment:

DHHYTTTAATTAAHBBV
 WTYTTTMMWWKYTTTHW

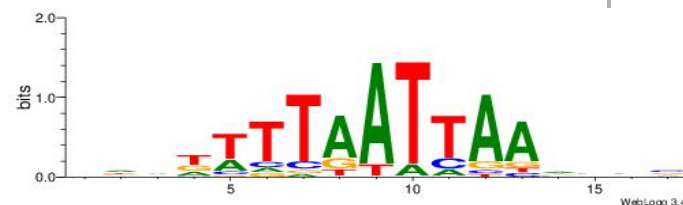
Original motif

Consensus sequence: VBBHTTAATTAAAMHHH



Reverse complement motif

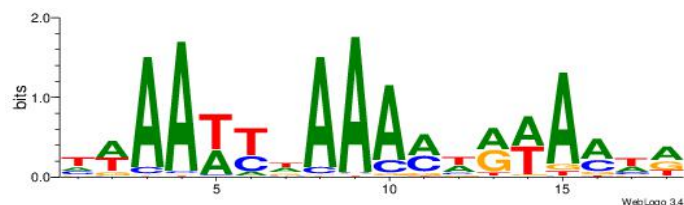
Consensus sequence: DHHYTTTAATTAAHBBV



Dataset #: 1 Motif ID: 32 Motif name: C032

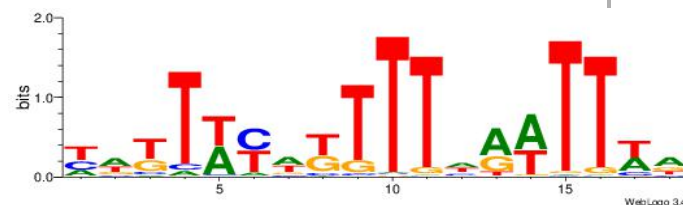
Original motif

Consensus sequence: HWAAWYDAAAMWRWAMWR



Reverse complement motif

Consensus sequence: KWTWKWYTTTDMWTTWH



Best Matches for Motif ID 32 (Highest to Lowest)

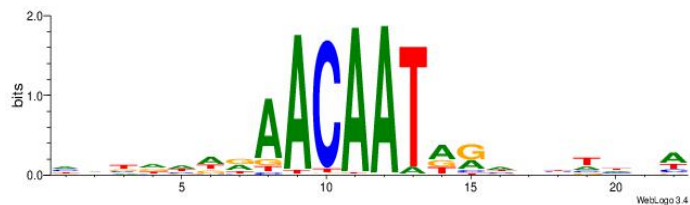
Motif ID: [UP00034](#)
Motif name: Sox7_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 18
Similarity score: 0.0461423

Alignment:

WBHHHHHMDATTGTTHDHDVHH
---KWYTWKWYTTTDMWTTWH-

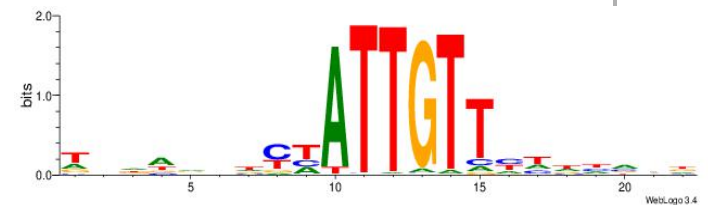
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



Motif ID: [UP00034](#)
Motif name: Sox7_secondary
Species: Mus musculus
Matching format of first motif: Original Motif

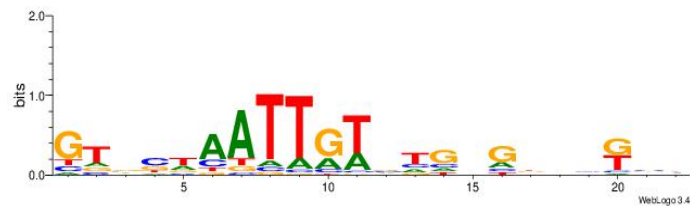
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	18
Similarity score:	0.050828

Alignment:

```
GTVBDAATTGTVTGHGDDHKVB
---HWAAWYDAAAMWRWAMWR-
```

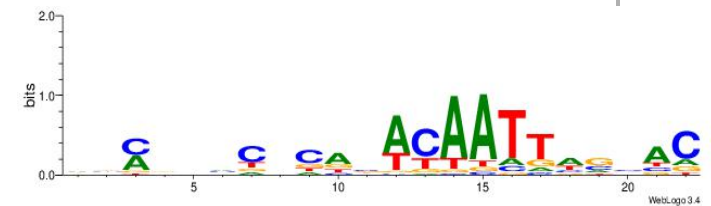
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



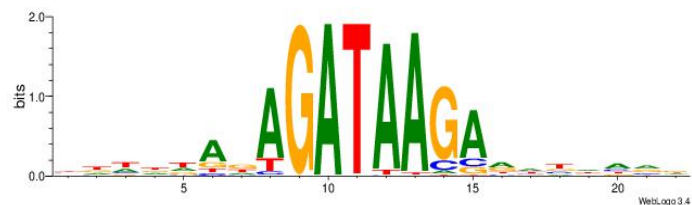
Motif ID:	UP00032
Motif name:	Gata3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	18
Similarity score:	0.0516978

Alignment:

HBHDVHDTCTTATCTHTDDHDV
-KWYTWKWYTTTDMWTTWH---

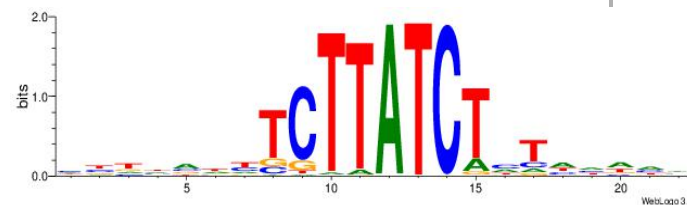
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



Motif ID: [UP00032](#)
Motif name: Gata3_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: 18
Similarity score: 0.0517018

Alignment:

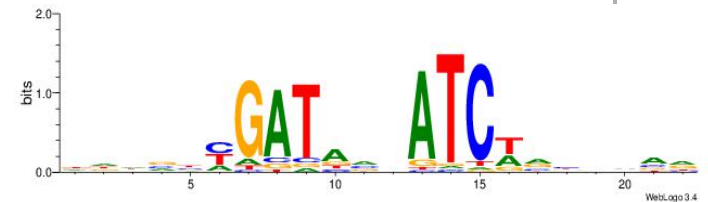
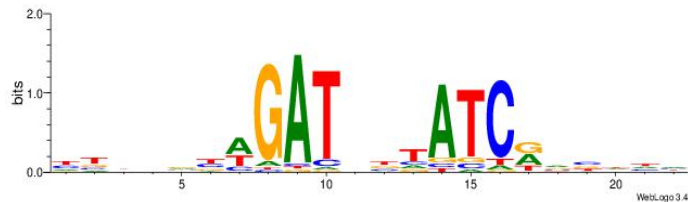
HBHDVBWGATHBTATCRVBHHH
----HWAAWYDAAAMWRWAMWR

Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH

Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVH



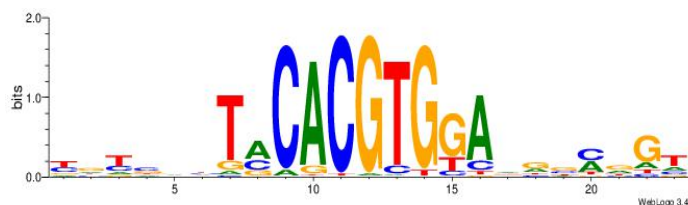
Motif ID: [UP00050](#)
 Motif name: Bhlhb2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0667428

Alignment:

ACHRBHDTCCACGTGYAHBMMH
 --HWAAYDAAAMWRWAMWR---

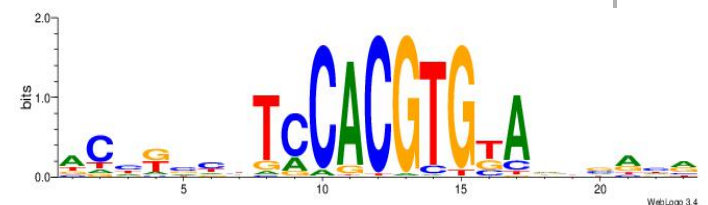
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

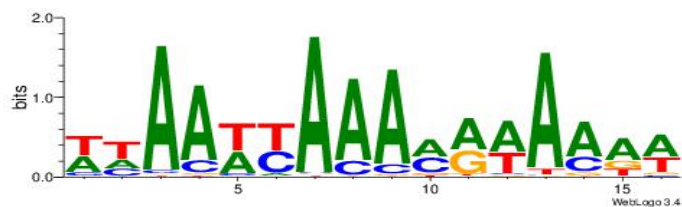
Consensus sequence: ACHRBHDTCCACGTGYAHBMMH



Dataset #: 1 **Motif ID: 33** **Motif name: C033**

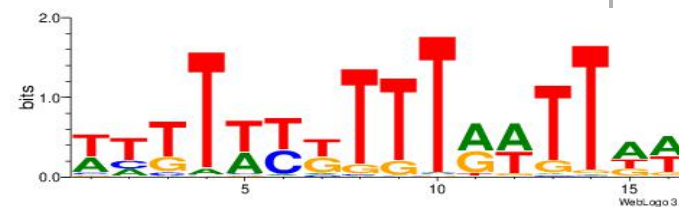
Original motif

Consensus sequence: WWAAWYAAAMRWAAAW



Reverse complement motif

Consensus sequence: WTTTWKYTTTMWTTWW



Best Matches for Motif ID 33 (Highest to Lowest)

Motif ID:	UP00061
Motif name:	Foxl1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	16
Similarity score:	0.0226221

Alignment:

VVWTTGTTTAMATTWD

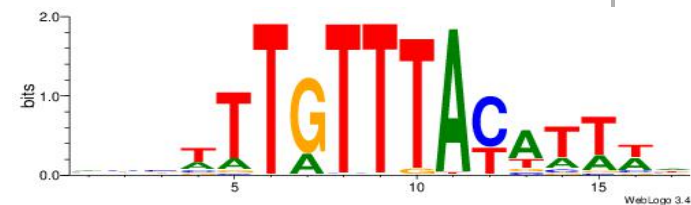
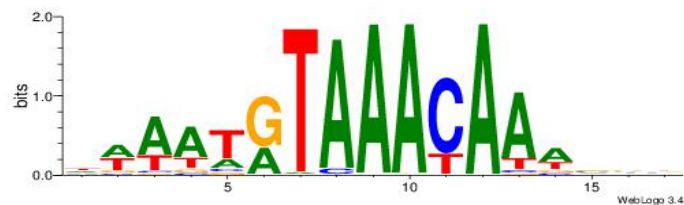
-WTTTWKYTTTMWTTWW

Original motif

Consensus sequence: DWAATRTAAACAAWVVB

Reverse complement motif

Consensus sequence: VVWTTGTTTAMATTWD

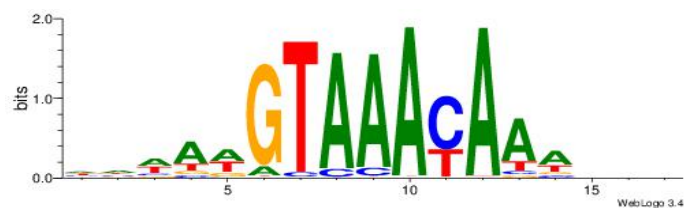


Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0262386

Alignment:
 BDVTTTKTTTACWTWHH
 -WTTTWKYTTTMWTTWW

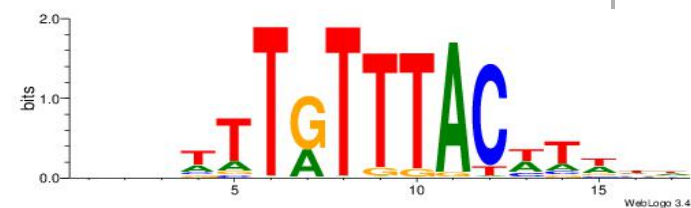
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



Motif ID: [UP00025](#)

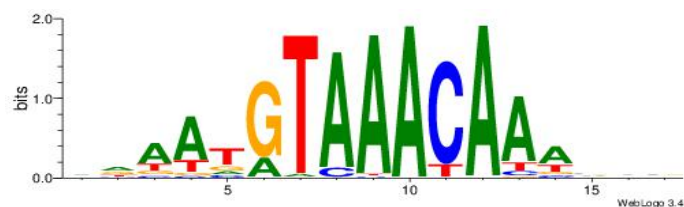
Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0287316

Alignment:

BBVTTTGTTTACATTDD
 -WTTTWKYTTTMWTTWW

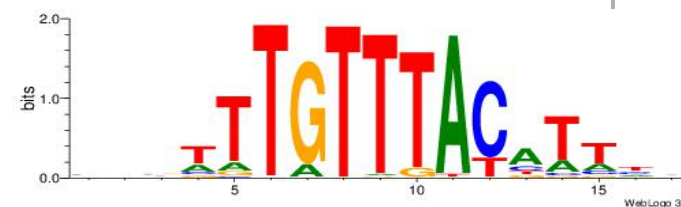
Original motif

Consensus sequence: DDAATGTAAACAAVVB



Reverse complement motif

Consensus sequence: BBVTTTGTTTACATTDD



Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 16

Similarity score: 0.0296838

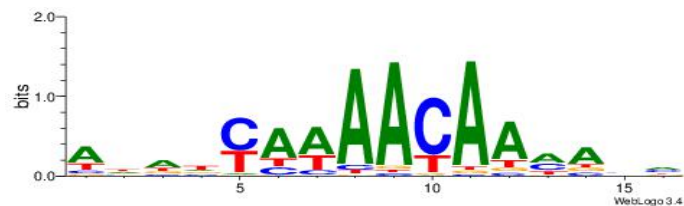
Alignment:

ADDDYAWAACAAMAHH

WWAAWYAAAMRWAAAW

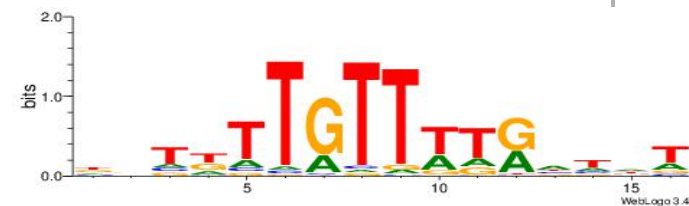
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



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: 16
Similarity score: 0.0300495

Alignment:

VBDDAAAAAAAAAMVBHH

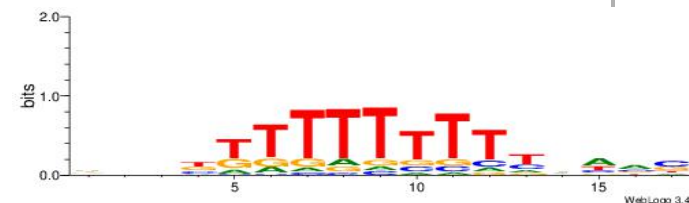
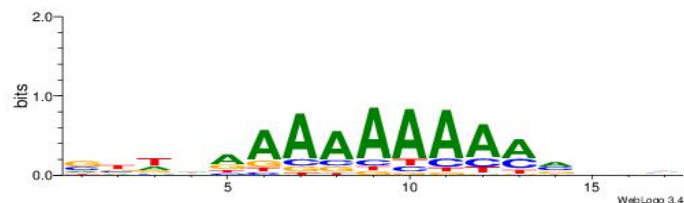
-WWAAWYAAAMRWAAAW

Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH

Reverse complement motif

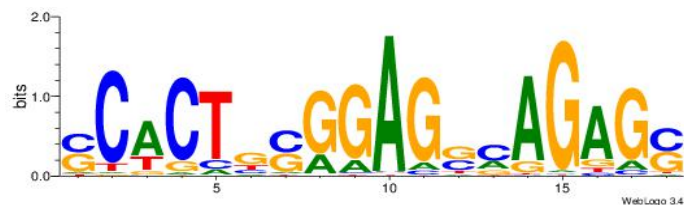
Consensus sequence: HHVBYTTTTTTTTDDVV



Dataset #: 1 Motif ID: 34 Motif name: C034

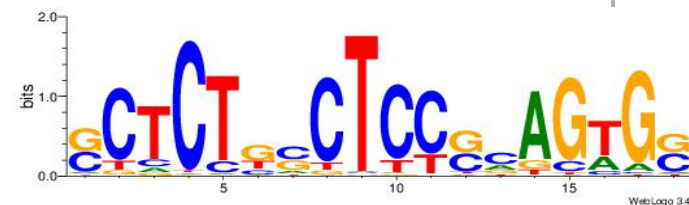
Original motif

Consensus sequence: SCACTGSGGAGSMAGAGS



Reverse complement motif

Consensus sequence: SCTCTR SCTCCSCAGTGS



Best Matches for Motif ID 34 (Highest to Lowest)

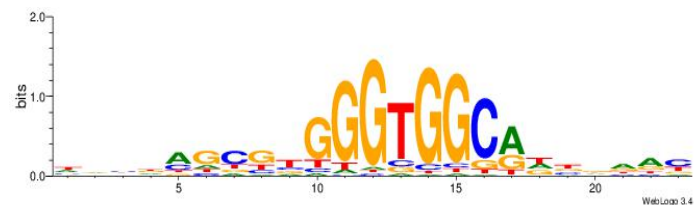
Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	18
Similarity score:	0.0434619

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
---SCACTGSGGAGSMAGAGS---

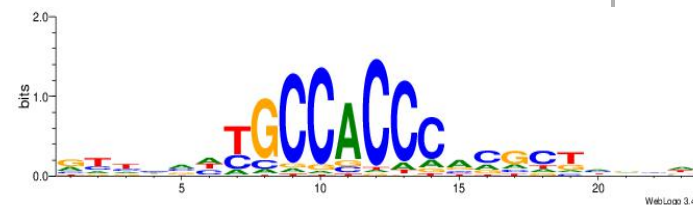
Original motif

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:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	18
Similarity score:	0.0468771

Alignment:

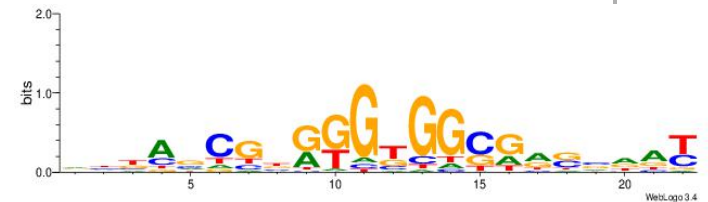
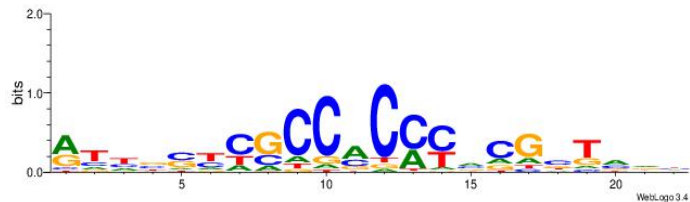
RTHBSYCGCCMCMYVCGBTVDH
--SCTCTRSCCSCAGTGS--

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



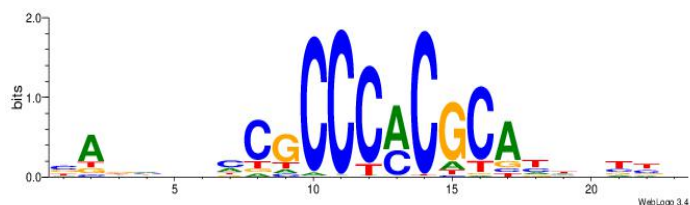
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0486672

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
 ---SCTCTR SCTCCSCAGTGS--

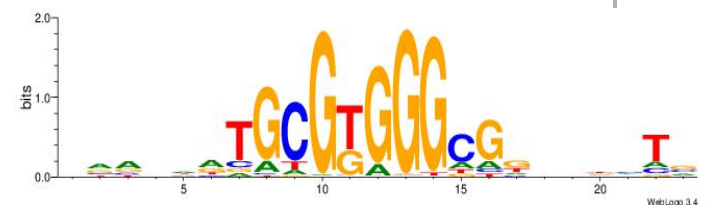
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



Motif ID: [UP00540](#)

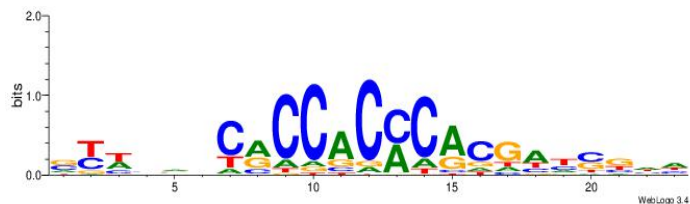
Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0500626

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 --SCTCTR SCTCCSCAGTGS---

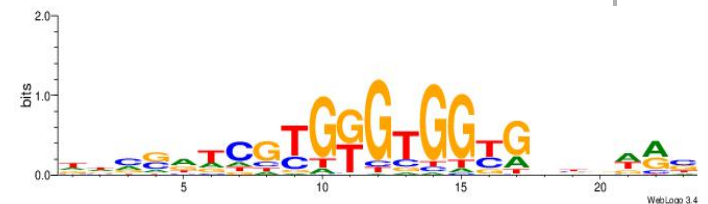
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

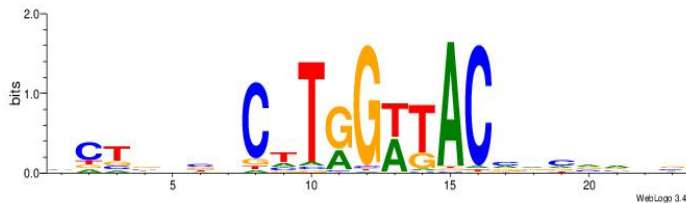


Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 18

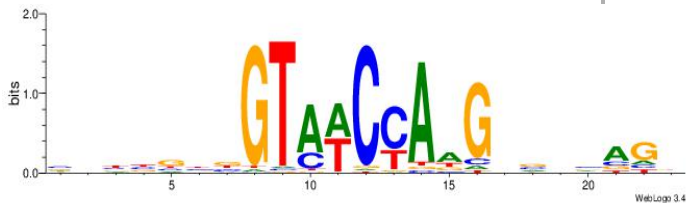
Similarity score: 0.0522233

Alignment:
VCTBHBVCTTGGWTACVVVVVDB
-----SCTCTRSCTCCSCAGTGS

Original motif
Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB

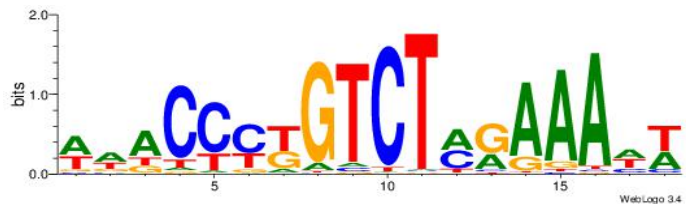


Reverse complement motif
Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB

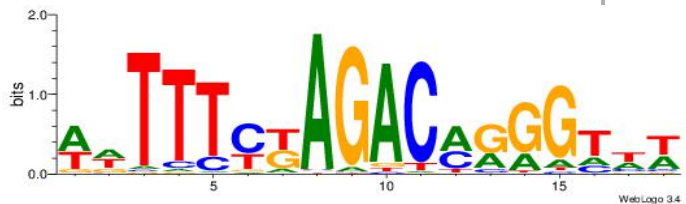


Dataset #: 1 Motif ID: 35 Motif name: C035

Original motif
Consensus sequence: WWACCYKGTCTMRAAAWW



Reverse complement motif
Consensus sequence: WWTTTMYAGACRKGGTWW



Best Matches for Motif ID 35 (Highest to Lowest)

Motif ID: [UP00032](#)
Motif name: Gata3_primary
Species: Mus musculus
Matching format of first motif: Original Motif

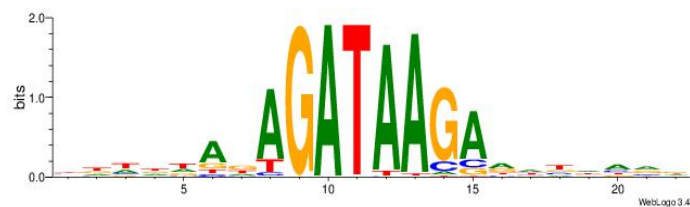
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	18
Similarity score:	0.0424694

Alignment:

```
HBHDVHDTCTTATCTHTDDHDV
----WWACCYKGTCTMRAAAWW
```

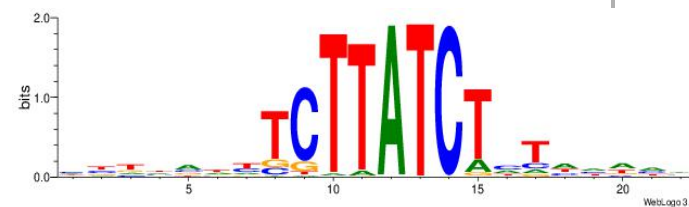
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



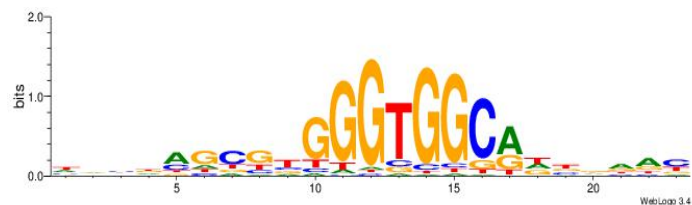
Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	18
Similarity score:	0.0529352

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
---WTTTMYAGACRKGGTWW--

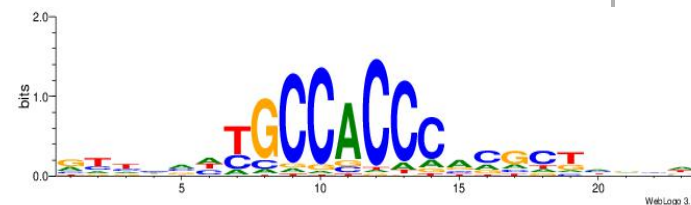
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



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:	6
Number of overlap:	18
Similarity score:	0.0530184

Alignment:

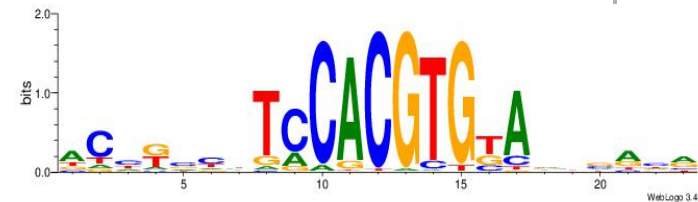
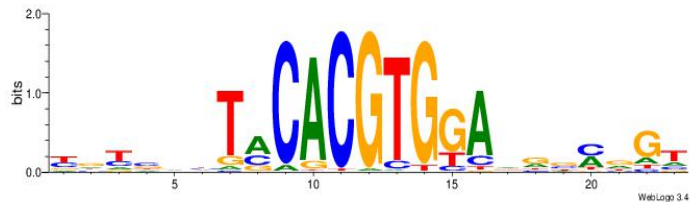
YDYBDHTMCACGTGGADDBMDGT
WTTTMYAGACRKGGTWW-----

Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT

Reverse complement motif

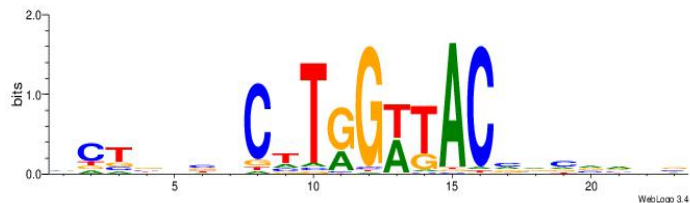
Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



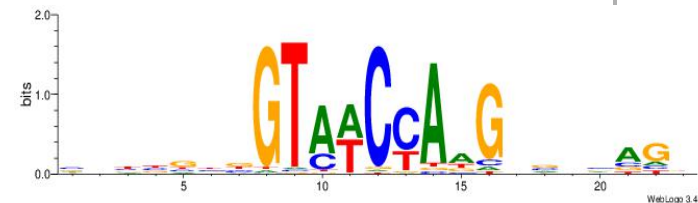
Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0572016

Alignment:
 VCTBHBVCTTGGWTACVVVVVDB
 WWACCYKGTCTMRAAAWW-----

Original motif
 Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif
 Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



Motif ID: [UP00400](#)
 Motif name: Zif268

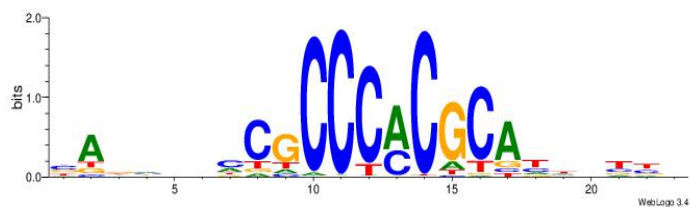
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 18
 Similarity score: 0.0574877

Alignment:

VVVDHHTGCGYGGGCGDHVHHTB
 ----WWT'TMYAGACRKGGTWW-

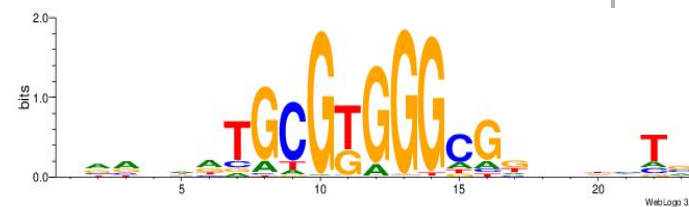
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV



Reverse complement motif

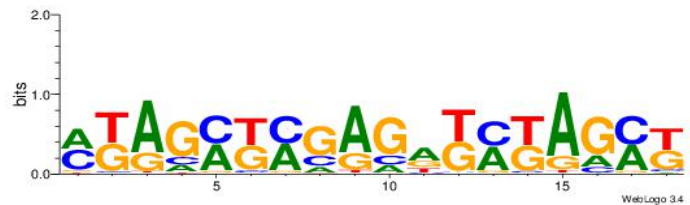
Consensus sequence: VVVDHHTGCGYGGGCGDHVHHTB



Dataset #: 1 **Motif ID: 36** **Motif name: C036**

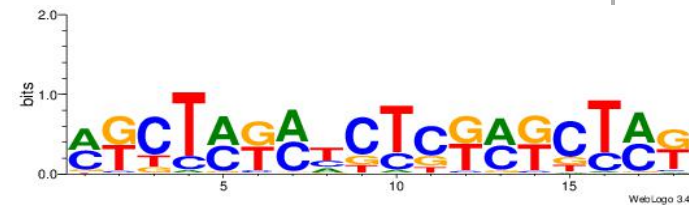
Original motif

Consensus sequence: MKAGMKMGAGAKMKAGMK



Reverse complement motif

Consensus sequence: RRCTRRRTCTCRRRCTRY



Best Matches for Motif ID 36 (Highest to Lowest)

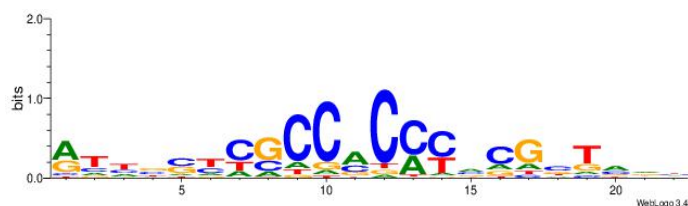
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 18
Similarity score: 0.0426031

Alignment:

```
HDBABCGBKRGYGGCGMSBHAK  
----RRCTRRRTCTCRRRCTRY
```

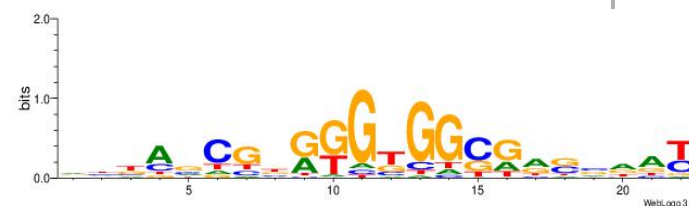
Original motif

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

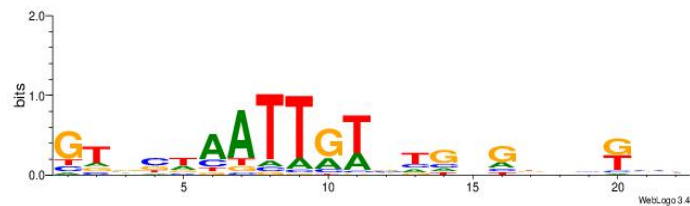
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	5
Number of overlap:	18
Similarity score:	0.0454827

Alignment:

```
GTVBDAATTGTVTGHGDDHKVB
----RRCTRRRTCTCRRRCTRY
```

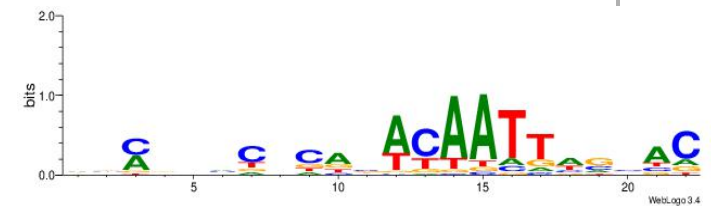
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



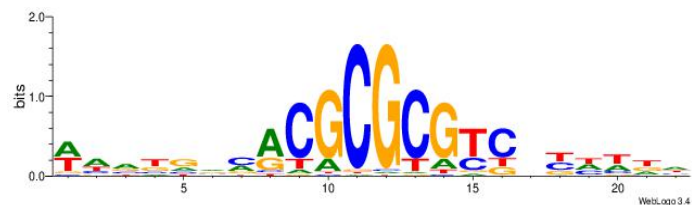
Motif ID:	UP00526
Motif name:	Foxn1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	18
Similarity score:	0.0473662

Alignment:

WHVBVVMACGCGCGTCDYHWDH
RRCTRRRTCTCRRRCTRY----

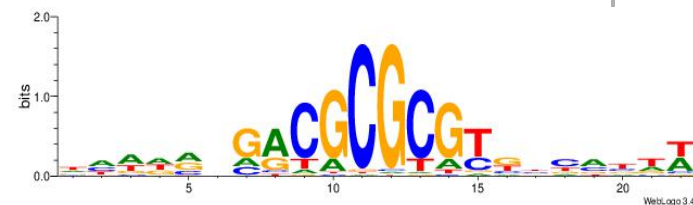
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



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:	3
Number of overlap:	18
Similarity score:	0.0480971

Alignment:

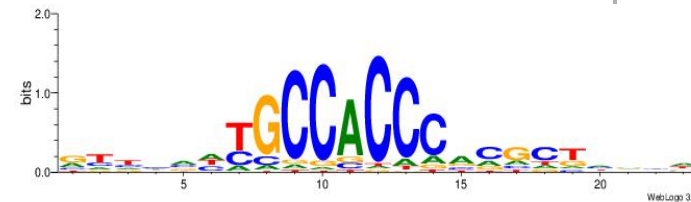
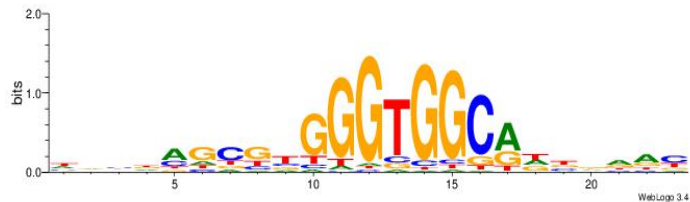
HVBDAGCGBGGGTGGCRDBDDDB
--MKAGMKMGAGAKMKAGMK---

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

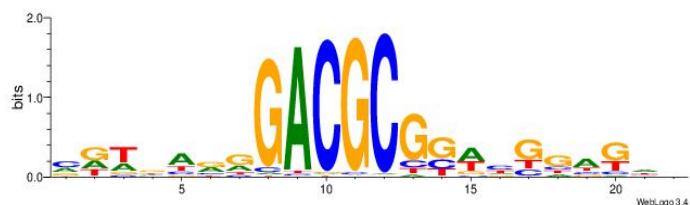
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



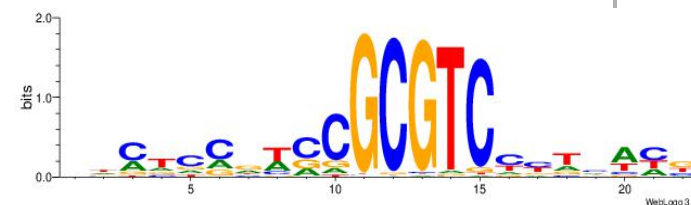
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0493902

Alignment:
 VDWDARRGACGCGGWHGGAHV
 -RRCTRRRTCTCRRRCTRY---

Original motif
 Consensus sequence: VDWDARRGACGCGGWHGGAHV



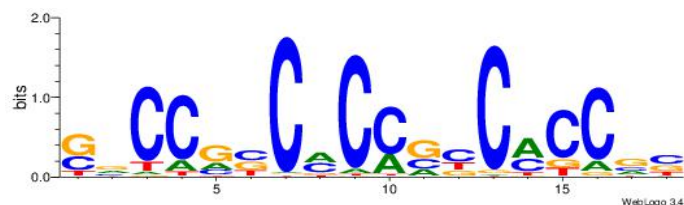
Reverse complement motif
 Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Dataset #: 1 **Motif ID: 37** **Motif name: C037**

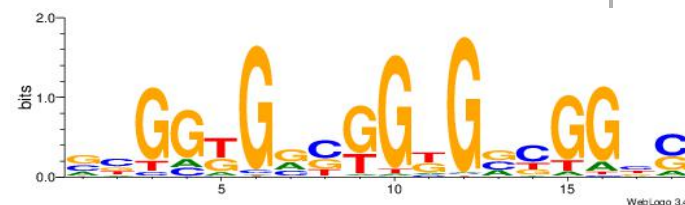
Original motif

Consensus sequence: SVCCGBCMCCSYCMCCVB



Reverse complement motif

Consensus sequence: BVGGYGKSGGYGBCGGVS



Best Matches for Motif ID 37 (Highest to Lowest)

Motif ID:	UP00539
Motif name:	Gli2_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	18
Similarity score:	0.0265916

Alignment:

HDBABCBKRGYGGCGMSBHAK

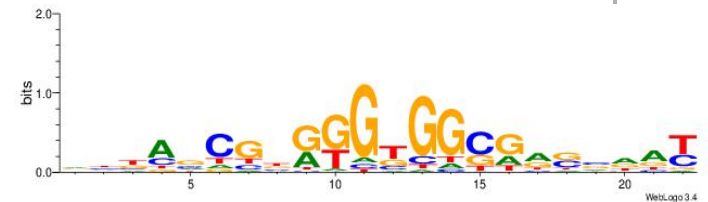
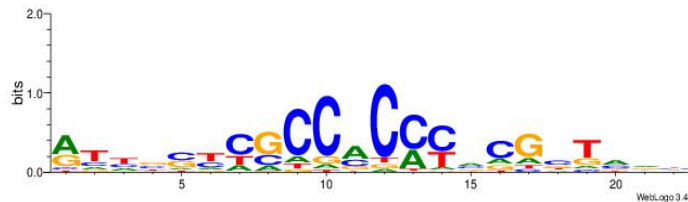
-BVGGYGKSGGYGBCGGVS---

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

Reverse complement motif

Consensus sequence: HDBABCBKRGYGGCGMSBHAK



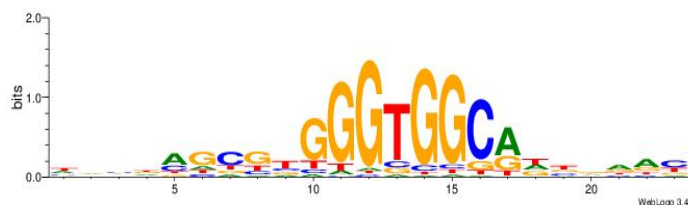
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0363116

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
 --BVGGYGKSGGYGBCGGVS---

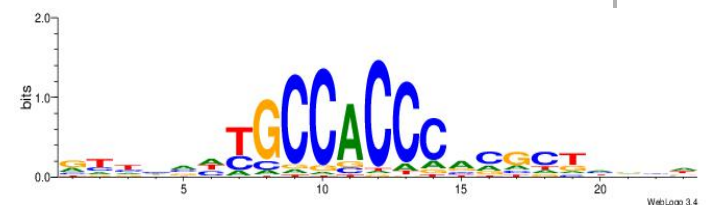
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID: [UP00540](#)

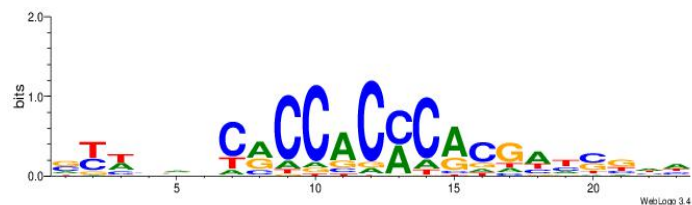
Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0376504

Alignment:

VYWVVHCRCCACMCACGAHSBHH
 ---SVCCGBCMCCSYCMCCVB--

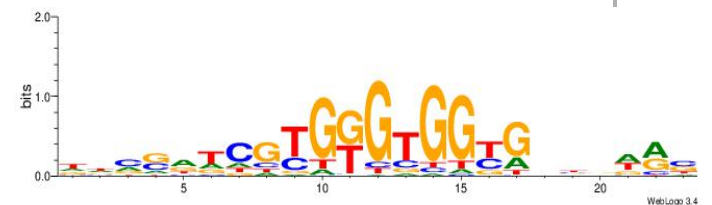
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Motif ID: [UP00400](#)
 Motif name: Zif268
 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: 18

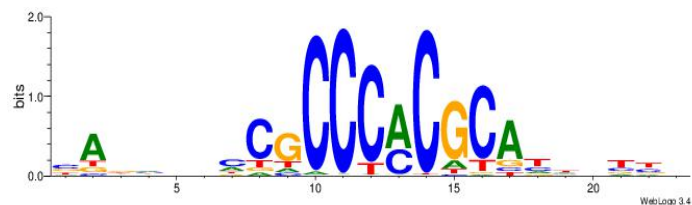
Similarity score: 0.0409627

Alignment:

VVVDHHTGCGYGGGCGDHHVHHTB
----BVGGYGKSGGYGBCGGVS-

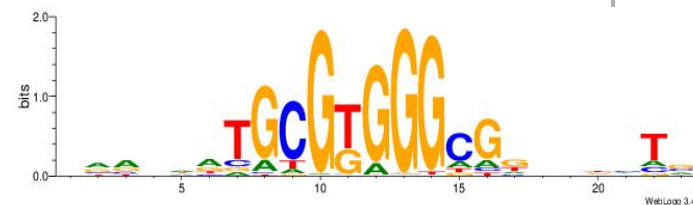
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHHTB



Motif ID: [UP00540](#)
Motif name: Gli3_v015681_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 18
Similarity score: 0.0454859

Alignment:

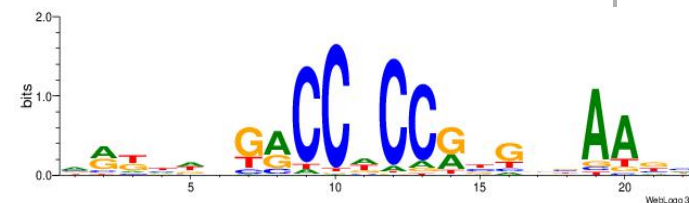
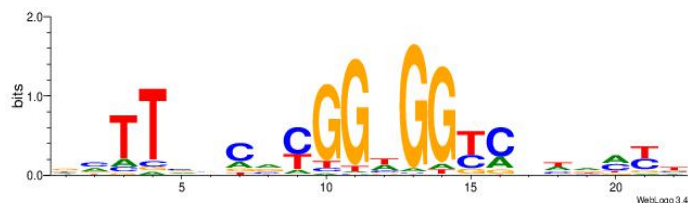
VMYDHDGMCCHCCKBGVVAAVH
----BVGGYGKSGGYGBCGGVS

Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB

Reverse complement motif

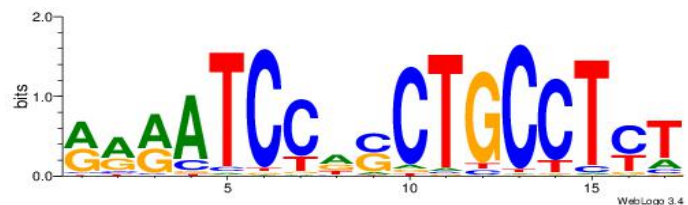
Consensus sequence: VMYDHDGMCCHCCKBGVVAAVH



Dataset #: 1 Motif ID: 38 Motif name: C038

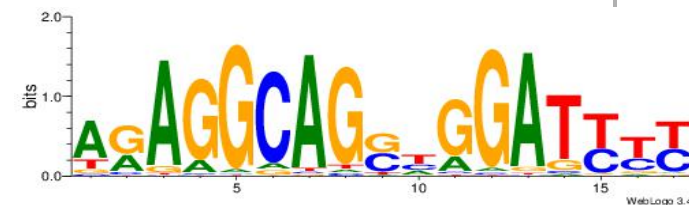
Original motif

Consensus sequence: RRRATCCDSCTGCCTYT



Reverse complement motif

Consensus sequence: AKAGGCAGSDGGATKKK



Best Matches for Motif ID 38 (Highest to Lowest)

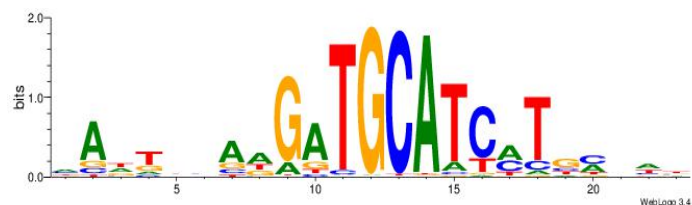
Motif ID:	UP00528
Motif name:	Foxm1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	17
Similarity score:	0.0332889

Alignment:

```
VHVRCAYGATGCATCDTVVADTH
-----AKAGGCAGSDGGATKKK
```

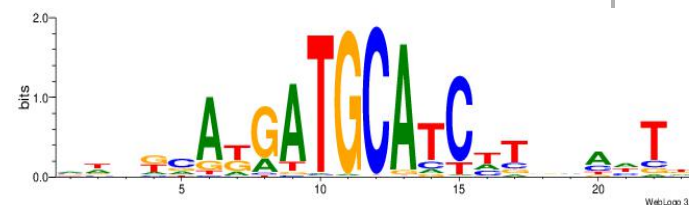
Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB



Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH



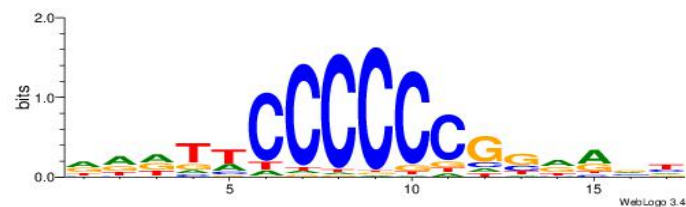
Motif ID: [UP00022](#)
Motif name: Zfp740_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 17
Similarity score: 0.0415981

Alignment:

HVKDCCGGGGGGWADDD
AKAGGCAGSDGGATKKK

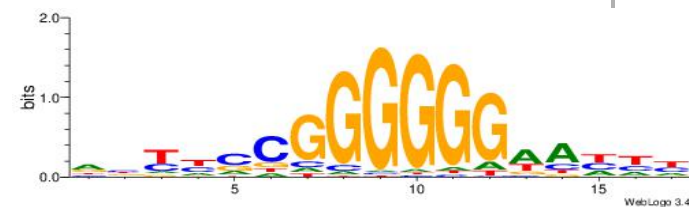
Original motif

Consensus sequence: DDDTWCCCCCGGDRVH



Reverse complement motif

Consensus sequence: HVKDCCGGGGGGWADDD



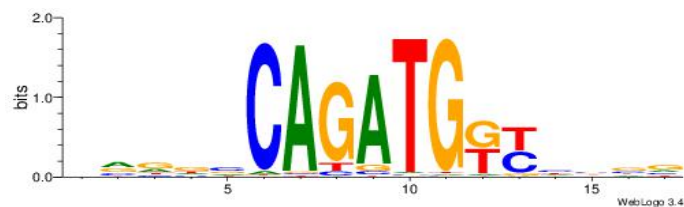
Motif ID: [UP00046](#)
 Motif name: Tcfe2a_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0467833

Alignment:

HVDDVCAGATGKYHBBV
 AKAGGCAGSDGGATKKK

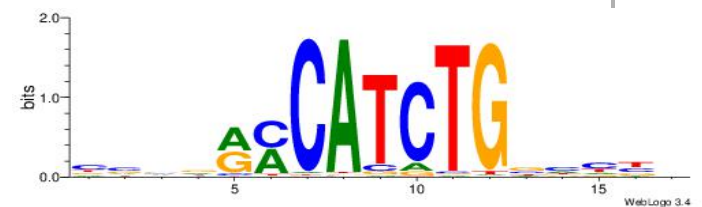
Original motif

Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif

Consensus sequence: VBBDMYCATCTGVHBBH



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: 4

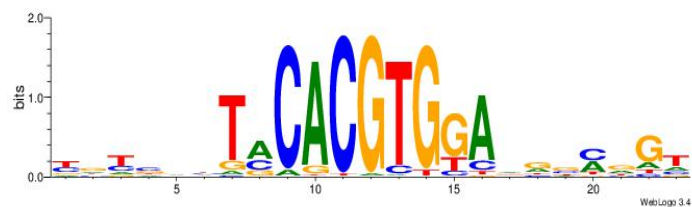
Number of overlap: 17
Similarity score: 0.0476081

Alignment:

ACHRBHDTCCACGTGYAHHBMHM
---RRRATCCDSCTGCCTYT---

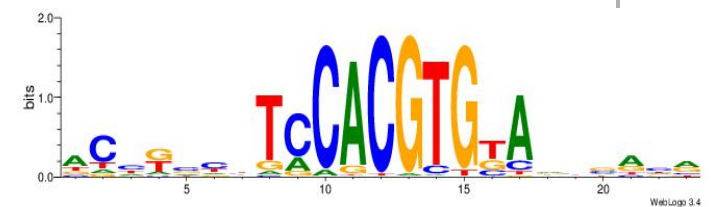
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



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: 17
Similarity score: 0.0482666

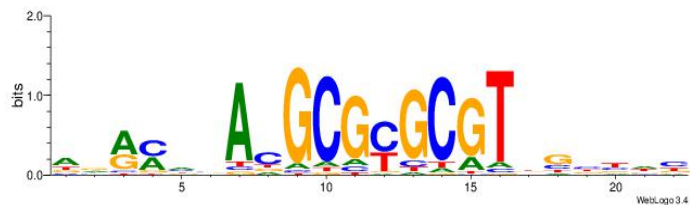
Alignment:

DDRMHBACGCGYGCGTDGBBDB
-RRRATCCDSCTGCCTYT----

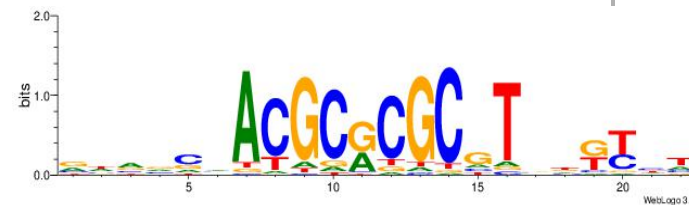
Original motif

Reverse complement motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



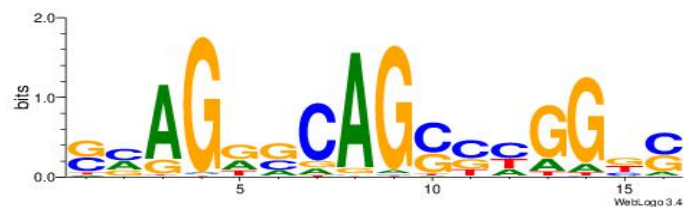
Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



Dataset #: 1 **Motif ID: 39** **Motif name: C039**

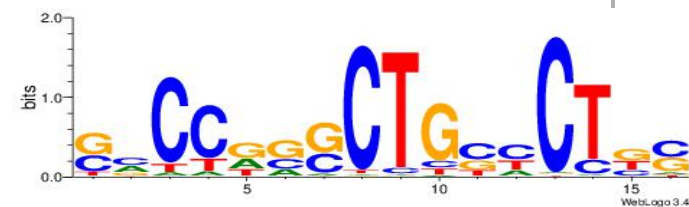
Original motif

Consensus sequence: SMAGRSCAGSSYGGBS



Reverse complement motif

Consensus sequence: SBCCKSSCTGSMCTRS



Best Matches for Motif ID 39 (Highest to Lowest)

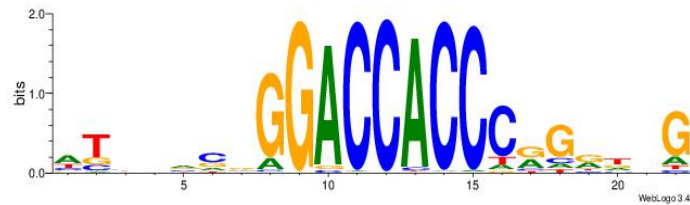
Motif ID:	UP00539
Motif name:	Gli2_v015681_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	6
Number of overlap:	16
Similarity score:	0.0381161

Alignment:

HTBVVVDGGACCACCCRGRDBG
-----SMAGRSCAGSSYGGBS-

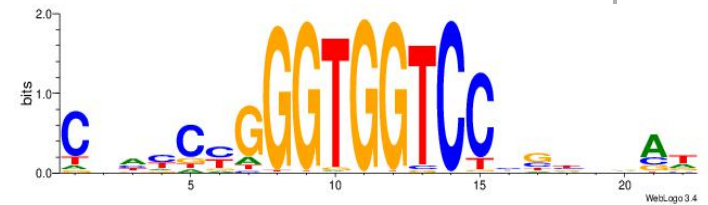
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



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:	4
Number of overlap:	16
Similarity score:	0.0406922

Alignment:

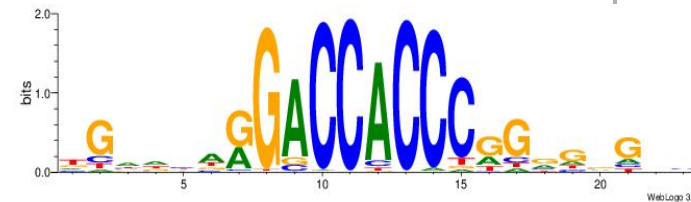
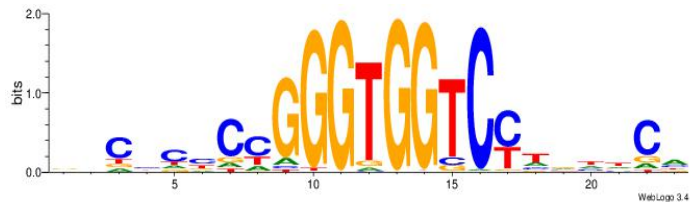
BHCBCBCCGGGTGGTCYHVHDCH
---SBCKSSCTGSMCTRS----

Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH

Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB

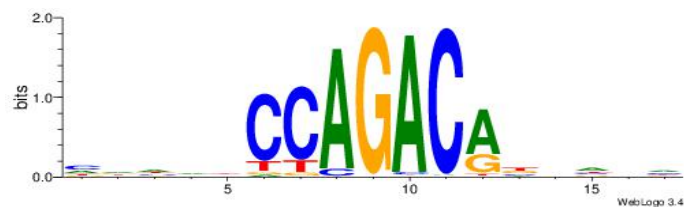


Motif ID: [UP00000](#)
 Motif name: Smad3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0416812

Alignment:
 HVHBVTGTCTGGDDHDD
 -SBCKSSCTGSMCTRS

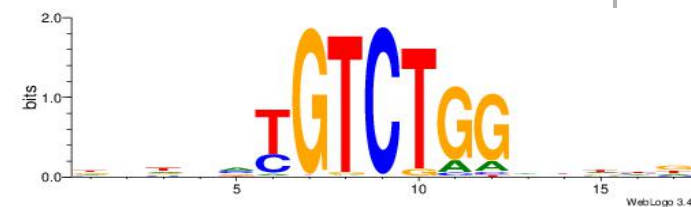
Original motif

Consensus sequence: HDHDDCCAGACABBHVH



Reverse complement motif

Consensus sequence: HVHBVTGTCTGGDDHDD



Motif ID: [UP00540](#)

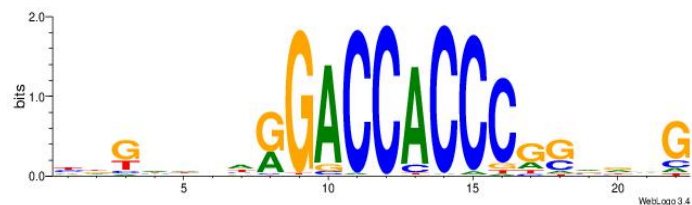
Motif name: Gli3_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0417968

Alignment:

HDGHHBHRGACCACCCGSVDVG
 -----SMAGRSCAGSSYGGBS-

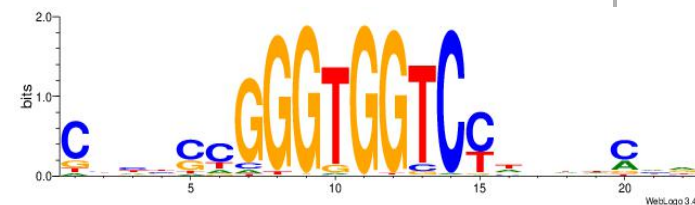
Original motif

Consensus sequence: HDGHHBHRGACCACCCGSVDVG



Reverse complement motif

Consensus sequence: CVHBSCGGGTGGTCMHVHHCDH

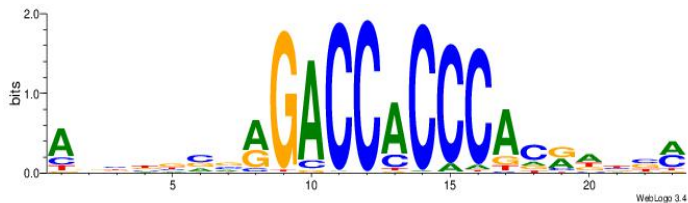


Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 16

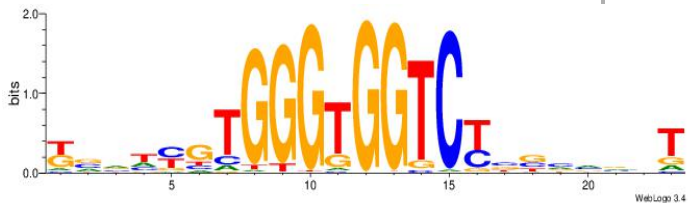
Similarity score: 0.0424976

Alignment:
YBVDMGTTGGGTGGTCKVVBVBBT
--SBCKSSCTGSMCTRS-----

Original motif
Consensus sequence: ABBBBVVRGACCACCCACRDBBM

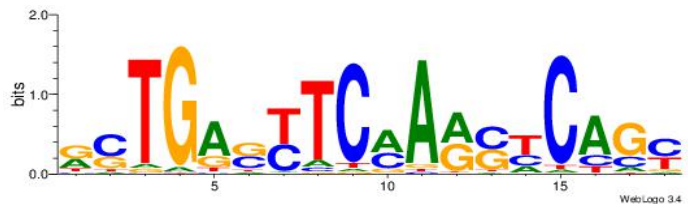


Reverse complement motif
Consensus sequence: YBVDMGTTGGGTGGTCKVVBVBBT

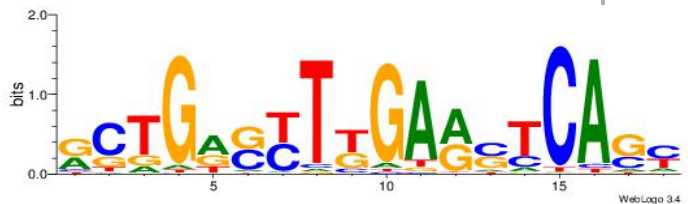


Dataset #: 1 Motif ID: 40 Motif name: C040

Original motif
Consensus sequence: RSTGASYTCMARSYCAGY



Reverse complement motif
Consensus sequence: KCTGMSKTYGAMSTCASM



Best Matches for Motif ID 40 (Highest to Lowest)

Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif

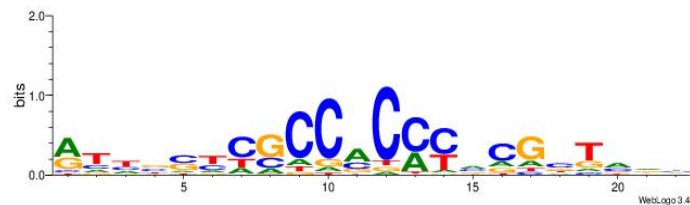
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	18
Similarity score:	0.0426851

Alignment:

```
RTHBSYCGCCMCMYVCGBTVDH
RSTGASYTCMARSYCAGY----
```

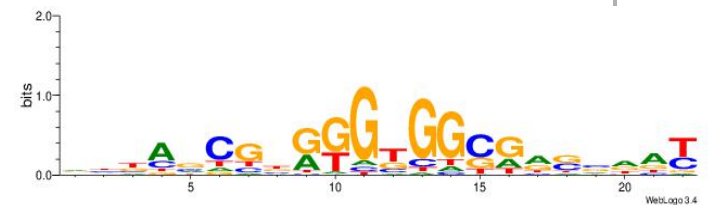
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



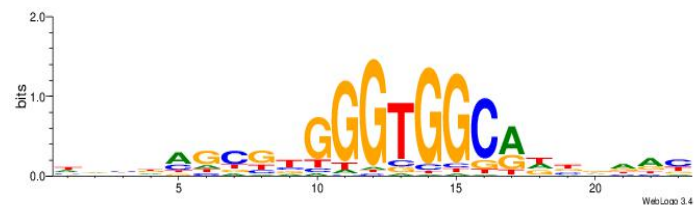
Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	18
Similarity score:	0.0443113

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
-----KCTGMSKTYGAMSTCASM

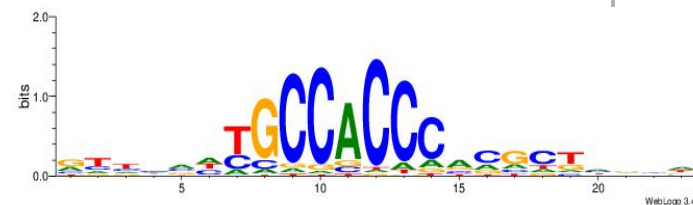
Original motif

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:	Forward
Position number:	5
Number of overlap:	18
Similarity score:	0.0450319

Alignment:

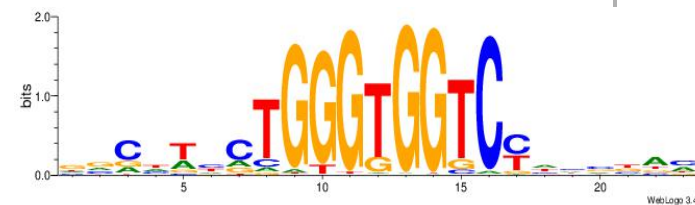
DTVBD DRGACCACCCAGDWDGBH
-----RSTGASYTCMARSYCAGY-

Original motif

Consensus sequence: DTVBD DRGACCACCCAGDWDGBH

Reverse complement motif

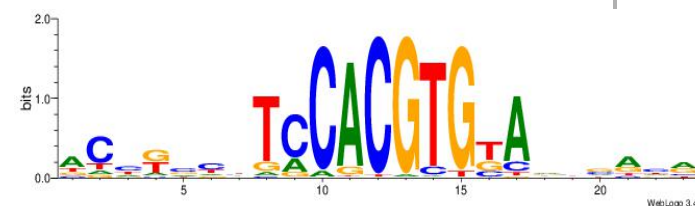
Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



Alignment:

```
ACHRBHDTCCACGTGYAHHBMHM
KCTGMSKTYGAMSTCASM-----
```

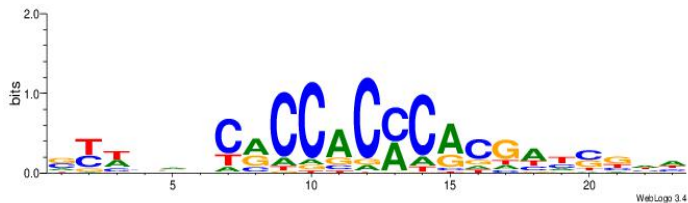
Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



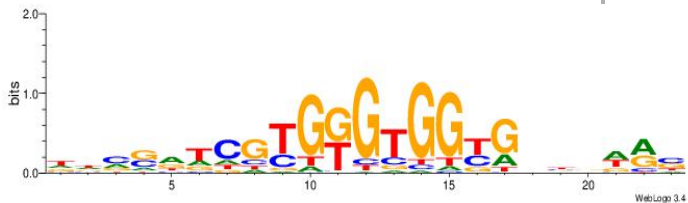
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 18
Similarity score: 0.0457782

Alignment:
VYWVVHCRCCACMCACGAHSBHH
---RSTGASYTCMARSYCAGY--

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



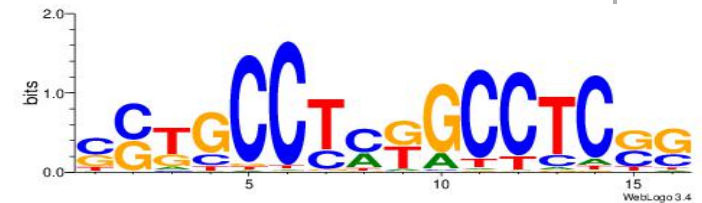
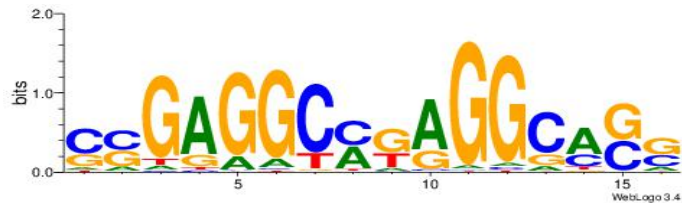
Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Dataset #: 1 Motif ID: 41 Motif name: C041

Original motif
Consensus sequence: CSGAGGCMKAGGCASS

Reverse complement motif
Consensus sequence: SSTGCCTYRGCTCSG



Best Matches for Motif ID 41 (Highest to Lowest)

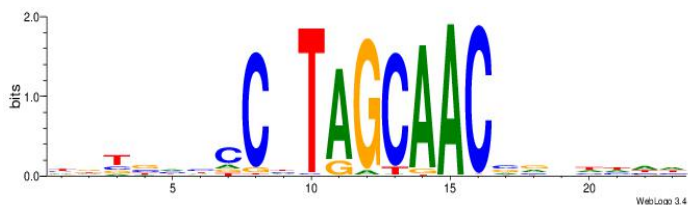
Motif ID: [UP00098](#)
 Motif name: Rfx3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 16
 Similarity score: 0.0297471

Alignment:

HDTBHHCCHTAGCAACVVDHHHH
 --SSTGCCTYRGCTCSG-----

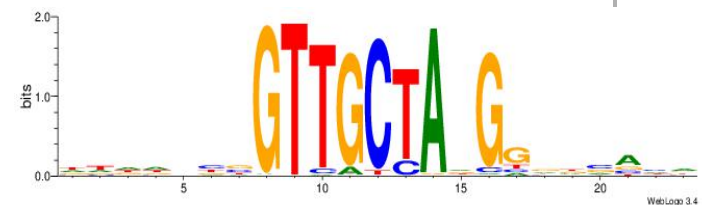
Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH



Reverse complement motif

Consensus sequence: HHHHDVVGTTGCTAHGGDHBAAH



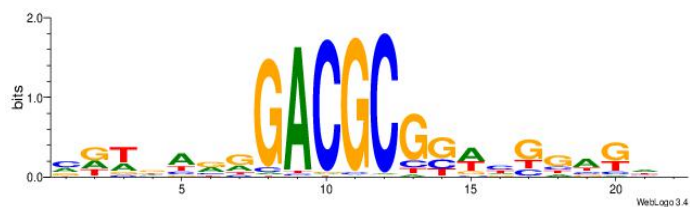
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0308327

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
 -SSTGCCTYRGCTCSG-----

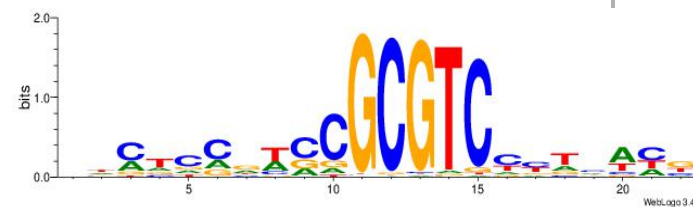
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



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: Backward
 Position number: 6

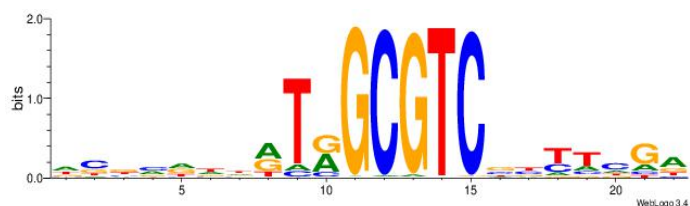
Number of overlap: 16
Similarity score: 0.0317547

Alignment:

DBBVDDRTRGCGTCBBYTHGA
-SSTGCCTYRGCTCSG-----

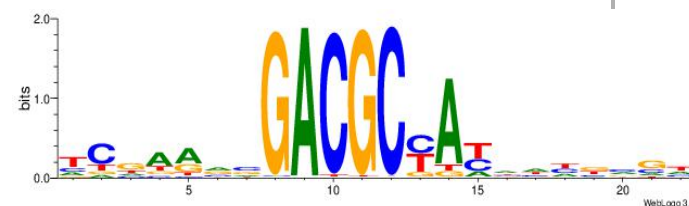
Original motif

Consensus sequence: DBBVDDRTRGCGTCBBYTHGA



Reverse complement motif

Consensus sequence: TCDAMVBGACGCMKDDVBBBD



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: 1
Number of overlap: 16
Similarity score: 0.0317742

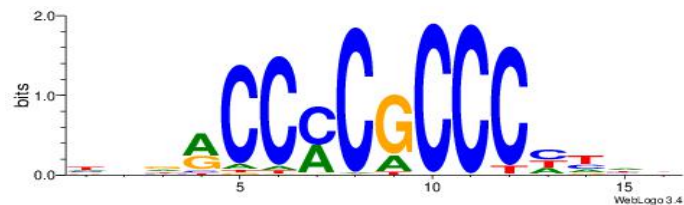
Alignment:

DHHDGGGCGRGGKHBH
CSGAGGCMKAGGCASS

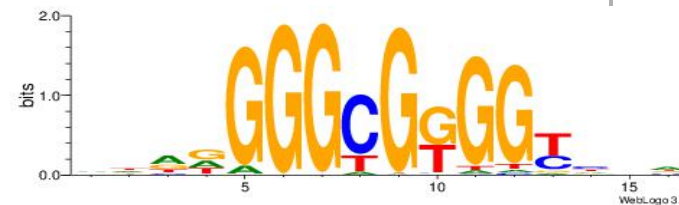
Original motif

Reverse complement motif

Consensus sequence: HBDRCCMCGCCCHHHD



Consensus sequence: DHHDGGGCGRGGKHBH



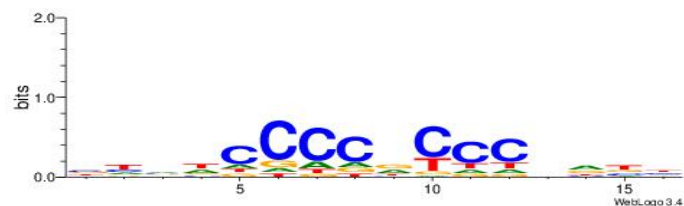
Motif ID: [UP00099](#)
Motif name: Ascl2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 16
Similarity score: 0.0321641

Alignment:

BHVDCCCCDCCCBDBH
CSGAGGCMKAGGCASS

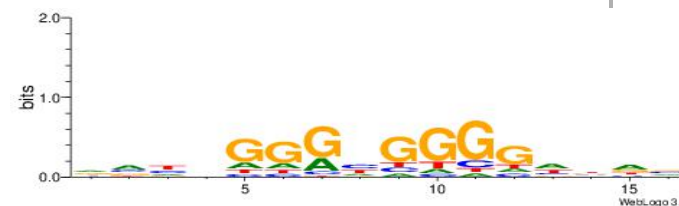
Original motif

Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif

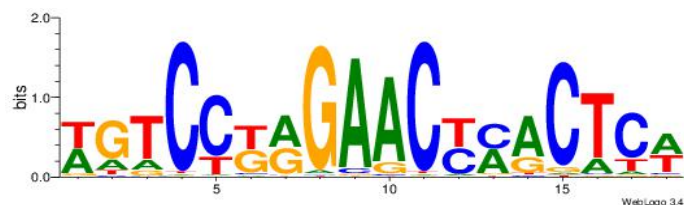
Consensus sequence: HVDVGGGHGCGGGDBBH



Dataset #: 1 **Motif ID: 42** **Motif name: C042**

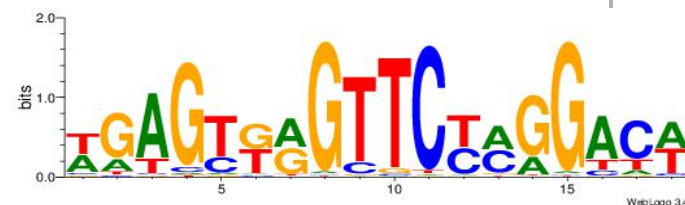
Original motif

Consensus sequence: WGTCKRGAACYMACTCW



Reverse complement motif

Consensus sequence: WGAGTRMGTTCKRGGACW



Best Matches for Motif ID 42 (Highest to Lowest)

Motif ID:	UP00540
Motif name:	Gli3_v015681_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	18
Similarity score:	0.0266184

Alignment:

YBVD MGTGGGTGGTCKVVBVBBT

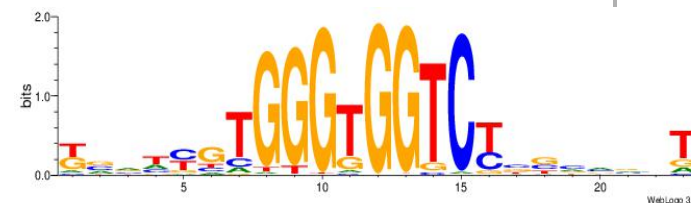
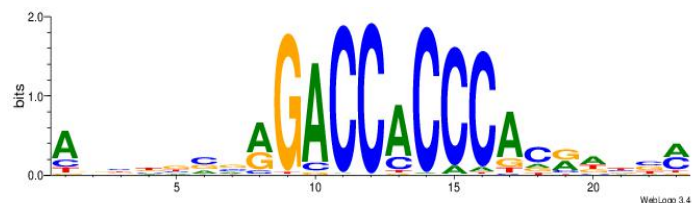
----WGAGTRMGTTCKRGGACW--

Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM

Reverse complement motif

Consensus sequence: YBVD MGTGGGTGGTCKVVBVBBT



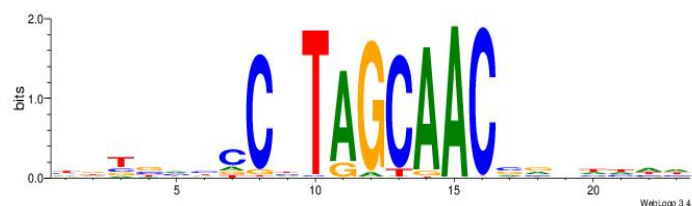
Motif ID: [UP00098](#)
 Motif name: Rfx3_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.0330025

Alignment:

HDTBHHCCHTAGCAACVVDHHHH
 ----WGTCCCKRGAACYMACTCW-

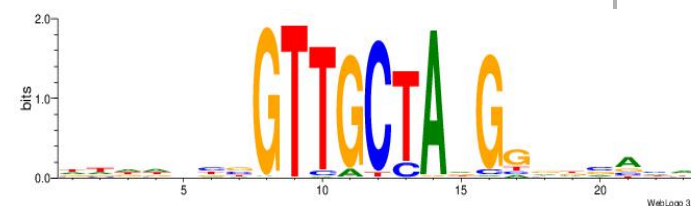
Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH



Reverse complement motif

Consensus sequence: HHHHDVVGTGCTAHGGDHBAAH



Motif ID: [UP00538](#)

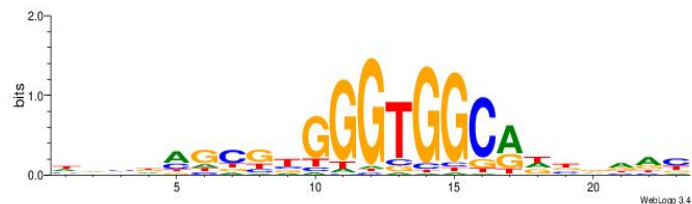
Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.03417

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 -WGTCCCKRGAACYMACTCW----

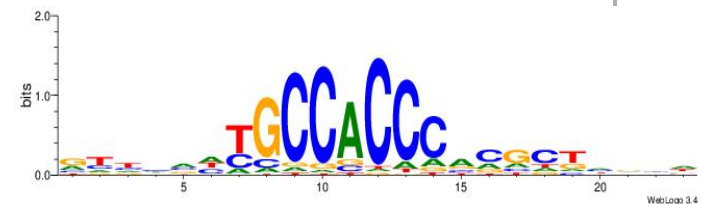
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

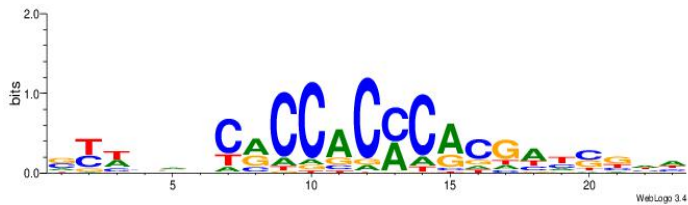


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 18

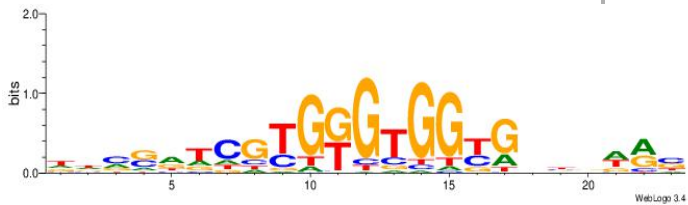
Similarity score: 0.0347873

Alignment:
HHBSHTCGTGRGTGGKGDBVWMV
----WGAGTRMGTTCKRGGACW-

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

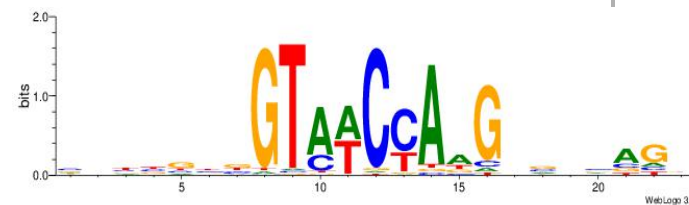
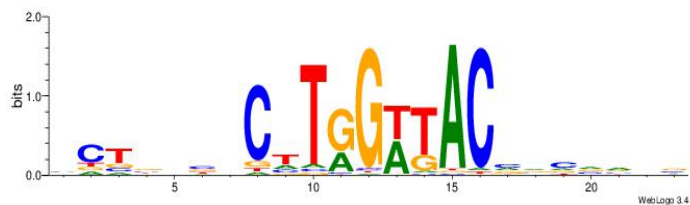


Motif ID: [UP00098](#)
Motif name: Rfx3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 18
Similarity score: 0.035399

Alignment:
VCTBHBVCTTGGWTACVVVVVDB
----WGTCCCKRGAACYMACTCW-

Original motif
Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB

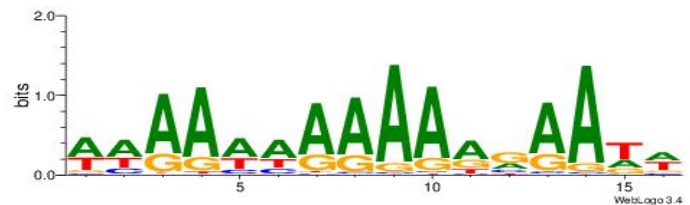
Reverse complement motif
Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



Dataset #: 1 Motif ID: 43 Motif name: C043

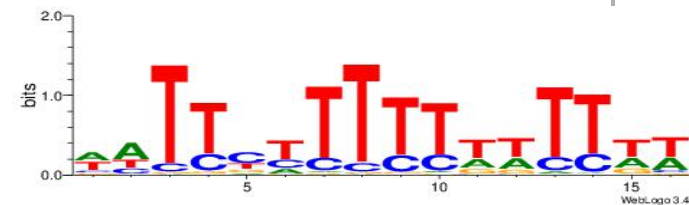
Original motif

Consensus sequence: WWAAWAAAAARAATW



Reverse complement motif

Consensus sequence: WATTMTTTTTTWTWW



Best Matches for Motif ID 43 (Highest to Lowest)

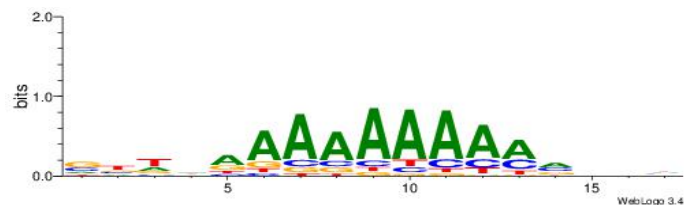
Motif ID:	UP00077
Motif name:	Srf_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	16
Similarity score:	0.0232401

Alignment:

VBDDAAAAAAAAAMVBHH
-WWAAWAAAAARAATW

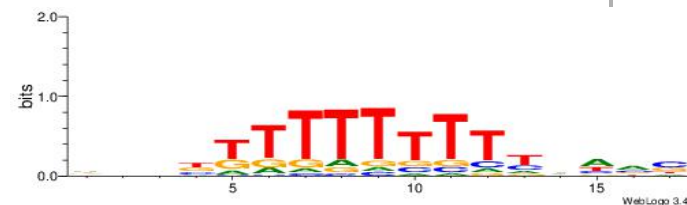
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDVV



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: 1
Number of overlap: 16
Similarity score: 0.0288687

Alignment:

BHHASATCAAAGGAHHH
-WWAAWAAAAARAATW

Original motif

Consensus sequence: BHHASATCAAAGGAHHH

Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV

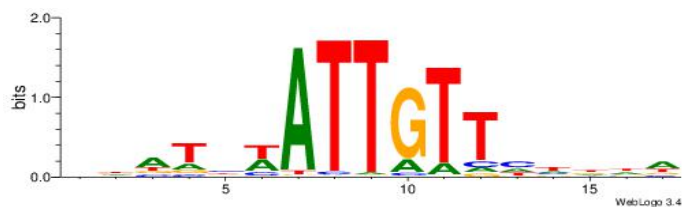
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0320831

Alignment:

DDATBWATTGTTHHDDD
 -WATTMTTTTTTWTWW

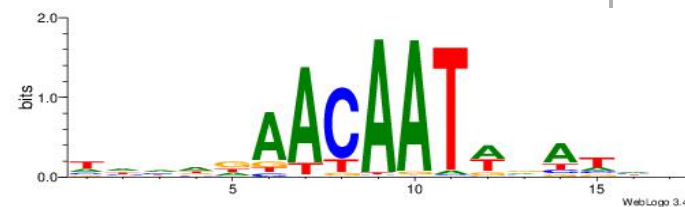
Original motif

Consensus sequence: DDATBWATTGTTHHDDD



Reverse complement motif

Consensus sequence: DDDHDAACAATWBATDD



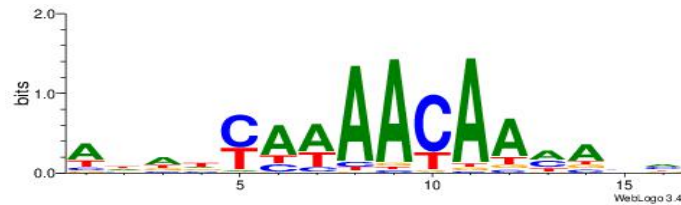
Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0327018

Alignment:

HDYTTGTTWTKDDDT
WATTMTTTTTTWTWW

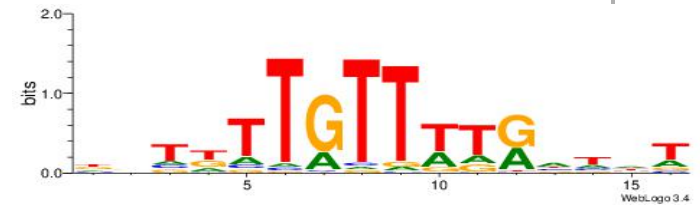
Original motif

Consensus sequence: ADDDYAWACAAMAHH



Reverse complement motif

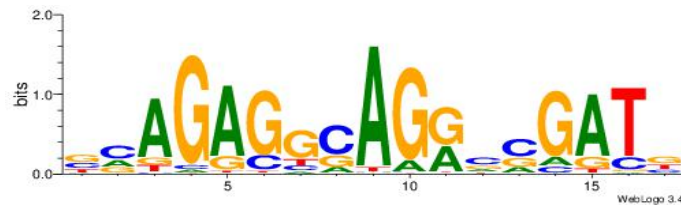
Consensus sequence: HDTYTTGTTWTKDDDT



Dataset #: 1 **Motif ID: 44** **Motif name: C044**

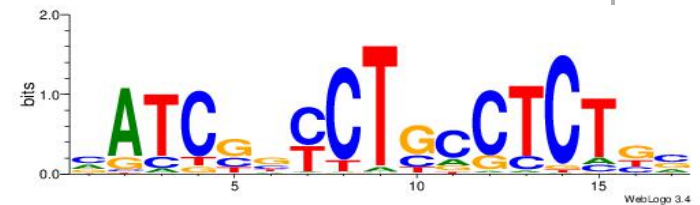
Original motif

Consensus sequence: BVAGAGGCAGGAGGAT



Reverse complement motif

Consensus sequence: BATCSVMCTGCCTCTVB



Best Matches for Motif ID 44 (Highest to Lowest)

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: 17
 Similarity score: 0.0438724

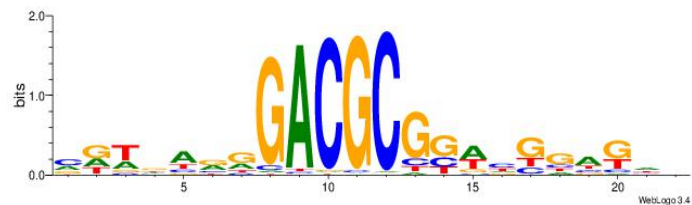
Alignment:

VDWDARRGACGCGGWHGGAKHV

----BVAGAGGCAGRVSGATB-

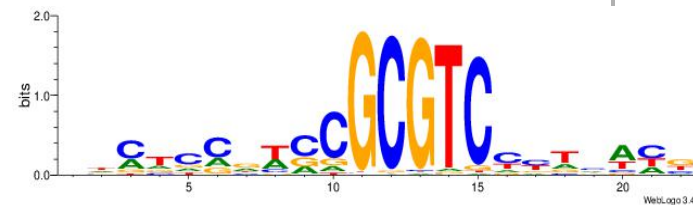
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



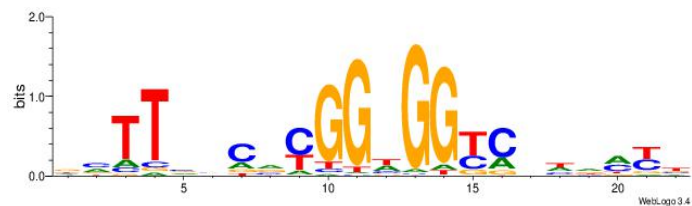
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 17
 Similarity score: 0.046578

Alignment:

VMYDHDGMCCHCCKBGVVAAVH
-BATCSVMCTGCCTCTVB-----

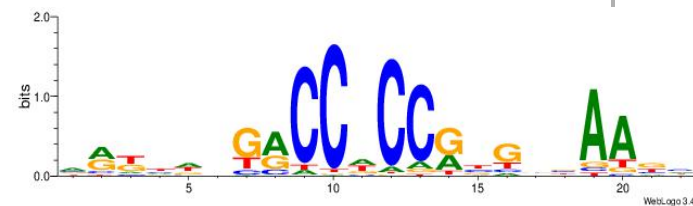
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAAVH



Motif ID:	UP00031
Motif name:	Zbtb3_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:	0.046833

Alignment:

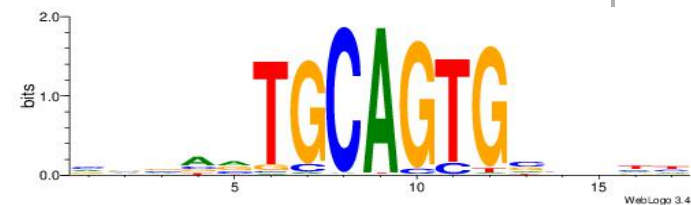
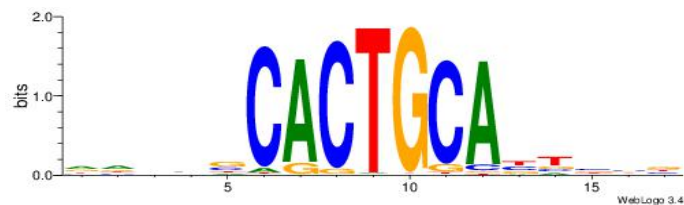
DDBBBCACTGCABTBBB
BATCSVMCTGCCTCTVB

Original motif

Consensus sequence: DDBBBCACTGCABTBBB

Reverse complement motif

Consensus sequence: BBBAVTGCAGTGBBVDD



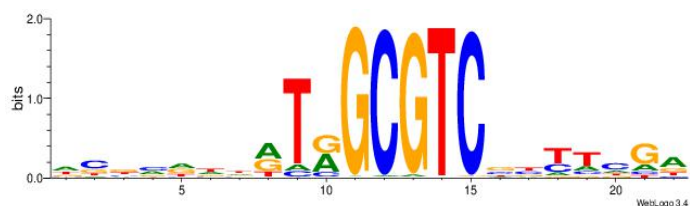
Motif ID: [UP00527](#)
 Motif name: Foxn4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 17
 Similarity score: 0.049551

Alignment:

TCDAMVBGACGCMKDDDVBBB
 ----BVAGAGGCAGRVSGATB-

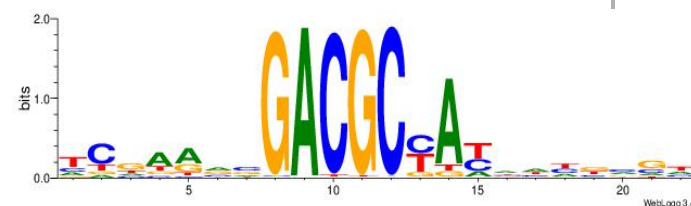
Original motif

Consensus sequence: DBBVDDDRTRGCGTCBBYTHGA



Reverse complement motif

Consensus sequence: TCDAMVBGACGCMKDDDVBBB



Motif ID: [UP00095](#)

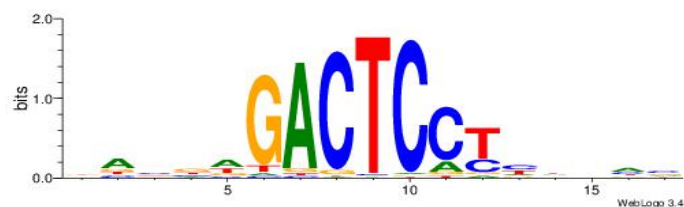
Motif name: Zfp691_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0496109

Alignment:

DABBWGACTCCTHDVHV
 BATCSVMCTGCCTCTVB

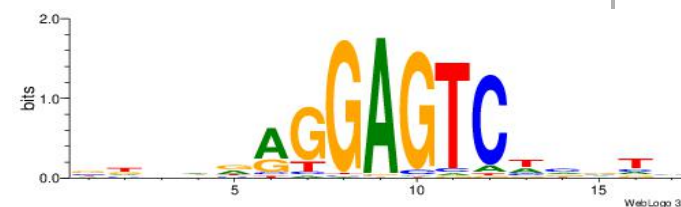
Original motif

Consensus sequence: DABBWGACTCCTHDVHV



Reverse complement motif

Consensus sequence: VHBDDAGGAGTCWBBTD



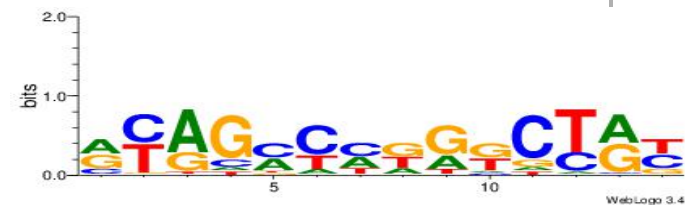
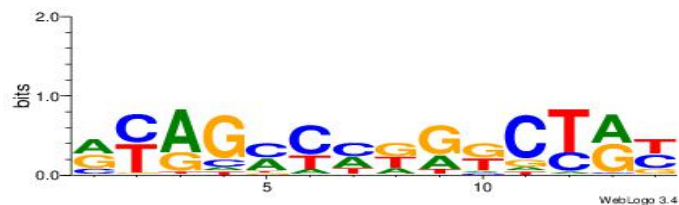
Dataset #: 1 Motif ID: 45 Motif name: C045

Original motif

Consensus sequence: RYAGMCMKGKCTRY

Reverse complement motif

Consensus sequence: MKAGYCYRGRCTKK



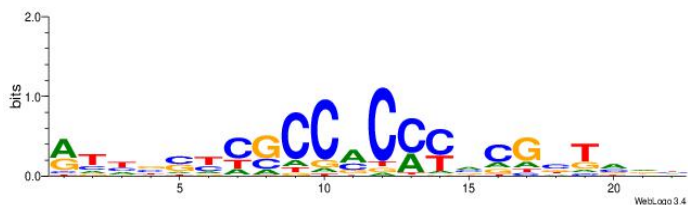
Best Matches for Motif ID 45 (Highest to Lowest)

Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0303562

Alignment:
 HDBABCGBKRGYGGCGMSBHAK
 -RYAGMCMKGKCTRY-----

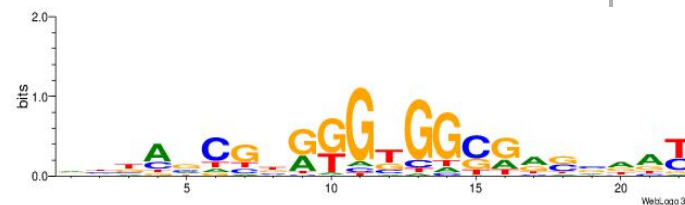
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID: [UP00086](#)
 Motif name: Irf3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0355506

Alignment:

DDAGAADGGDSCDV
 RYAGMCMKGKCTRY

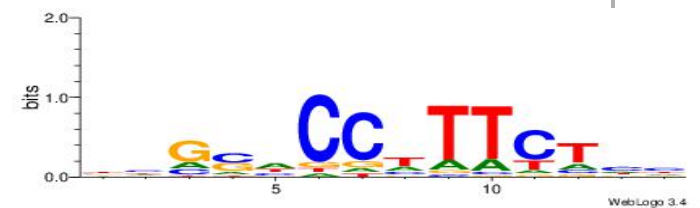
Original motif

Consensus sequence: DDAGAADGGDSCDV



Reverse complement motif

Consensus sequence: BHGSDCCDTTCTHH

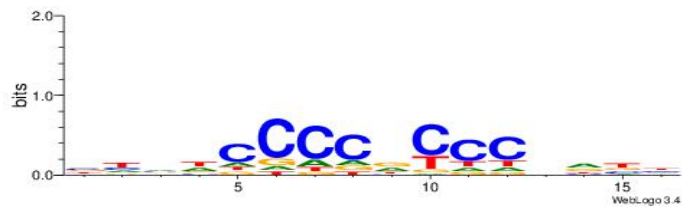


Motif ID: [UP00099](#)
 Motif name: Ascl2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2

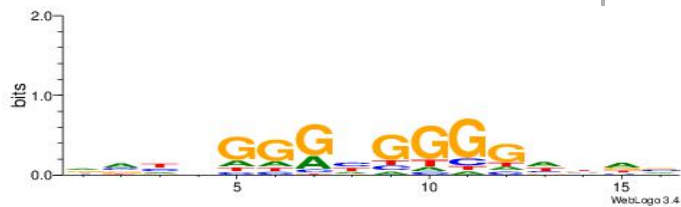
Number of overlap: 14
Similarity score: 0.0391606

Alignment:
HVDVGGGHGGGGDBHB
-MKAGYCYRGRCTKK-

Original motif
Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif
Consensus sequence: HVDVGGGHGGGGDBHB



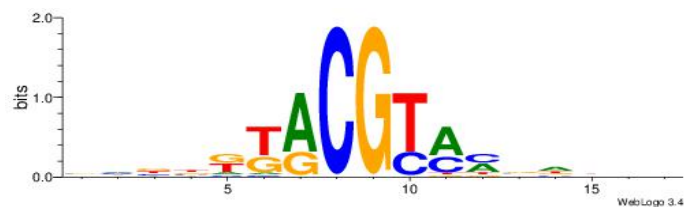
Motif ID: [UP00084](#)
Motif name: Gmeb1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0399089

Alignment:
BVVDVRYACGTRYVBHB
--MKAGYCYRGRCTKK-

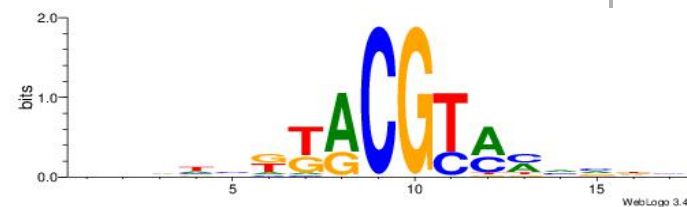
Original motif

Reverse complement motif

Consensus sequence: BHBBKKACGTMMVDBVB



Consensus sequence: BVVDVRYACGTRYVBHB



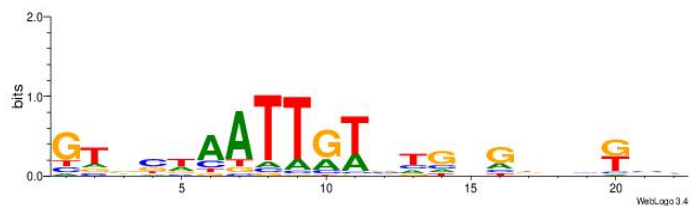
Motif ID: [UP00034](#)
Motif name: Sox7_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 7
Number of overlap: 14
Similarity score: 0.0406925

Alignment:

```
GTVBDAATTGTVTGHGDDHKVB  
-----MKAGYCYRGRCTKK--
```

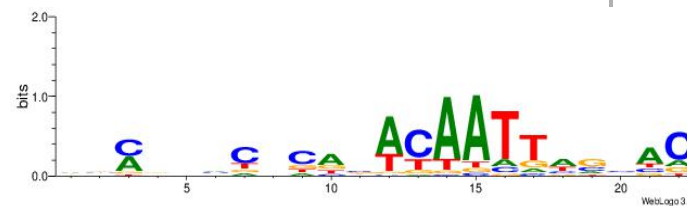
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

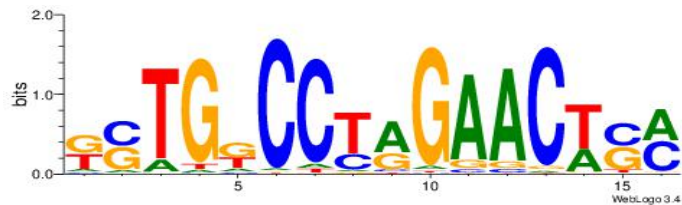
Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Dataset #: 1 **Motif ID: 46** **Motif name: C046**

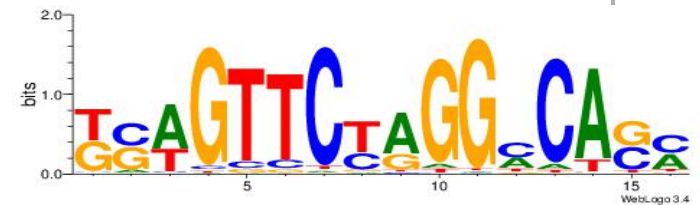
Original motif

Consensus sequence: KSTGKCCTRGAAACWSM



Reverse complement motif

Consensus sequence: YSWGTTCKAGGYCASY



Best Matches for Motif ID 46 (Highest to Lowest)

Motif ID:	UP00043
Motif name:	Bcl6b_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:	0.033819

Alignment:

DCTTTCKAGGAATHHV

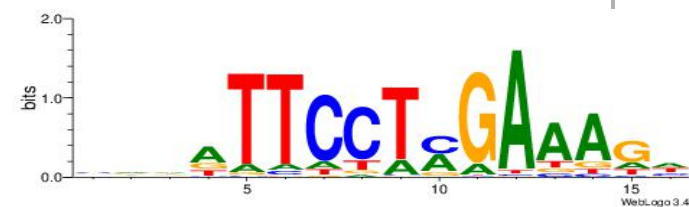
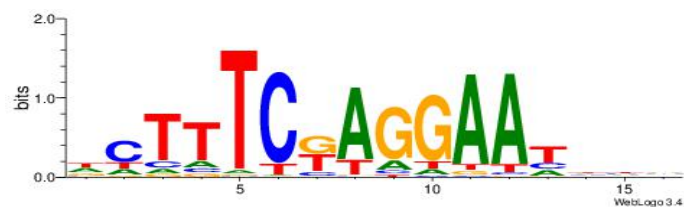
KSTGKCCTRGAAACWSM

Original motif

Consensus sequence: DCTTTCKAGGAATHHV

Reverse complement motif

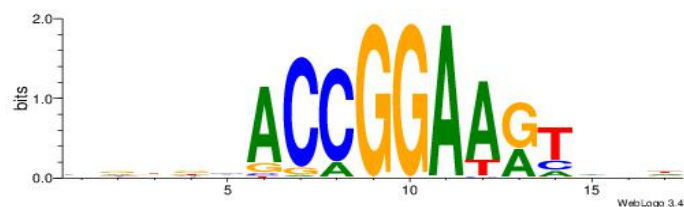
Consensus sequence: VHHATTCTYGAAAGD



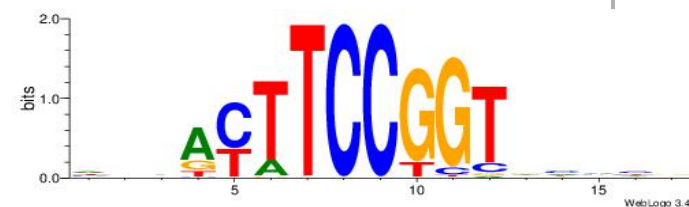
Motif ID: [UP00414](#)
 Motif name: Ets1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0383006

Alignment:
 BDDDHACCGGAARTVDD
 KSTGKCCTRGAACWSM-

Original motif
 Consensus sequence: BDDDHACCGGAARTVDD



Reverse complement motif
 Consensus sequence: DDBAMTTCCGGTDHDB



Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary

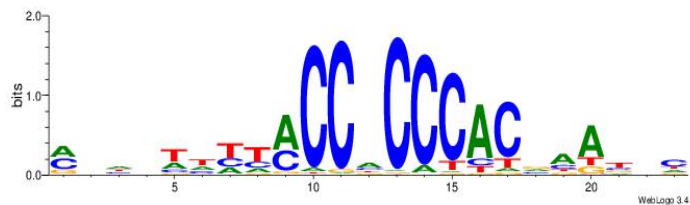
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 16
 Similarity score: 0.0428174

Alignment:

DVVTTVGTGGGHGGYAMHWHHHY
 ---YSWGTTCKAGGYCASY----

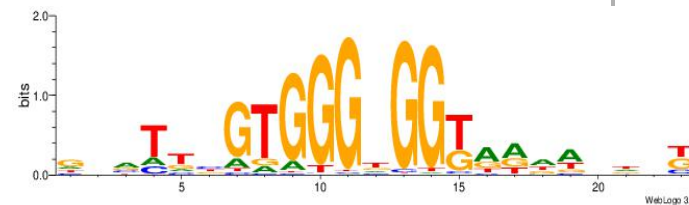
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



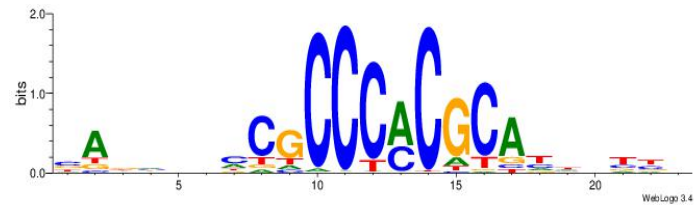
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 16
 Similarity score: 0.0436721

Alignment:

VVVDHHTGCGYGGGCGDHVHHTB
--YSWGTTCKAGGYCASY-----

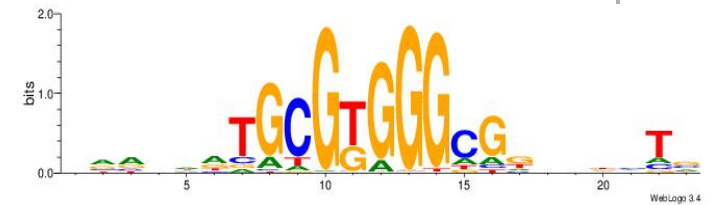
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHVHHTB



Motif ID:	UP00213
Motif name:	Hoxa9
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:	16
Similarity score:	0.0441221

Alignment:

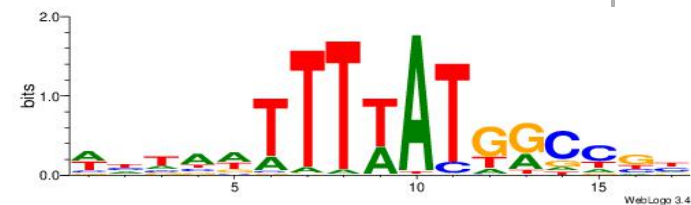
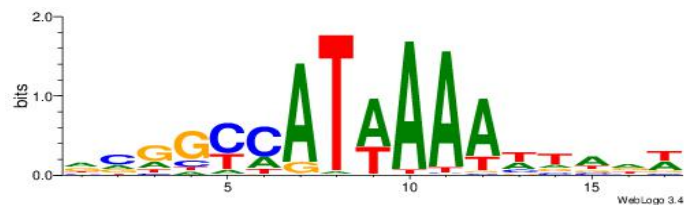
WDTAWTTTWATGKCCGD
-YSWGTTCKAGGYCASY

Original motif

Consensus sequence: DCGGYCATWAAAWTADW

Reverse complement motif

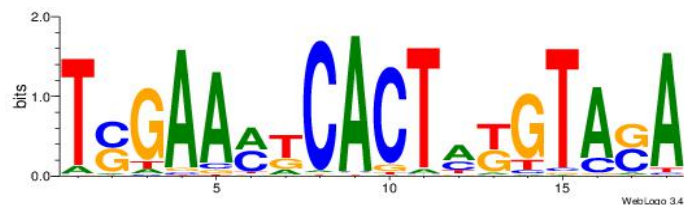
Consensus sequence: WDTAWTTTWATGKCCGD



Dataset #: 1 **Motif ID: 47** **Motif name: C047**

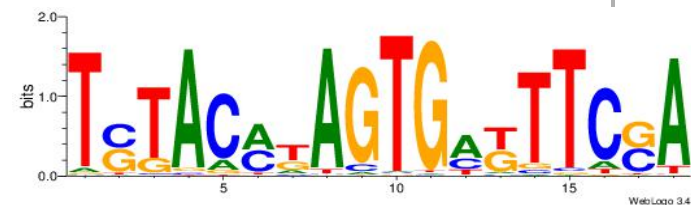
Original motif

Consensus sequence: TSGAAMTCACTMKGTASA



Reverse complement motif

Consensus sequence: TSTACRYAGTGAYTTC SA



Best Matches for Motif ID 47 (Highest to Lowest)

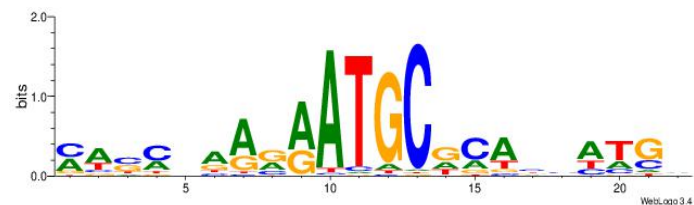
Motif ID:	UP00528
Motif name:	Foxm1_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	18
Similarity score:	0.0369958

Alignment:

DCATDBTGHGCATKMTTBRSWR
 ---TSGAAMTCACTMKGTASA-

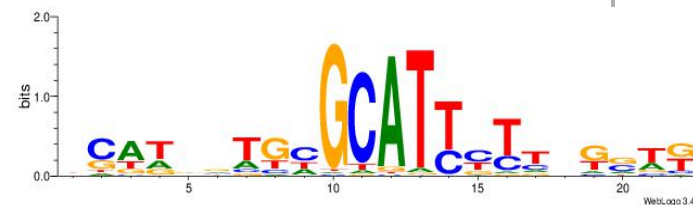
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



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:	Backward
Position number:	1
Number of overlap:	18
Similarity score:	0.045149

Alignment:

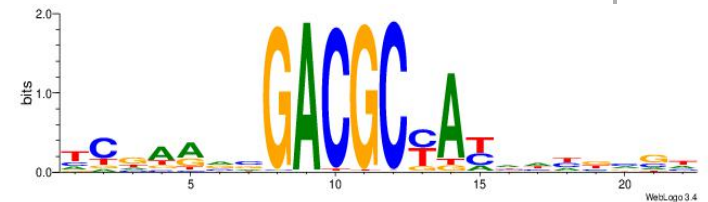
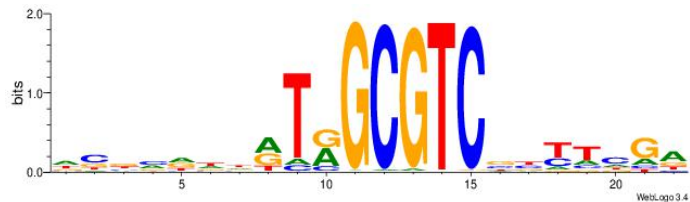
TCDAMVBGACGCMKDDDVBBB
 ----TSTACRYAGTGAYTTCSA

Original motif

Consensus sequence: DBBVDDDRTRGCGTCBBYTHGA

Reverse complement motif

Consensus sequence: TCDAMVBGACGCMKDDDVBBB



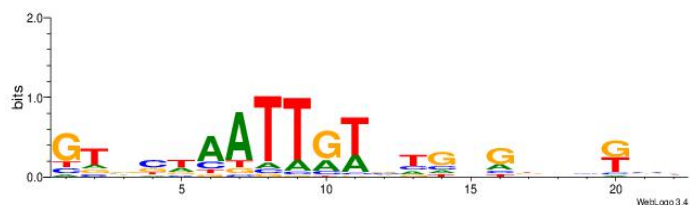
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0467709

Alignment:

VVYDDDCHCAVACAATTDBVAC
 --TSTACRYAGTGAYTTCSA--

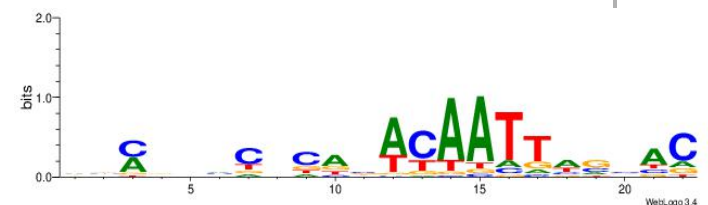
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Motif ID: [UP00540](#)

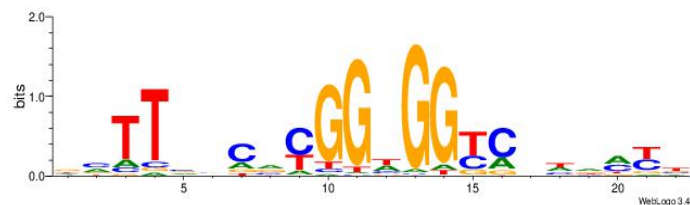
Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.047063

Alignment:

DVTTVVCVYGGHGGYCHHDMYB
 --TSTACRYAGTGAYTTCSA--

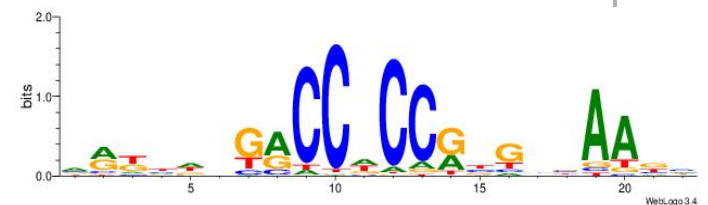
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKKBGVVAHVH

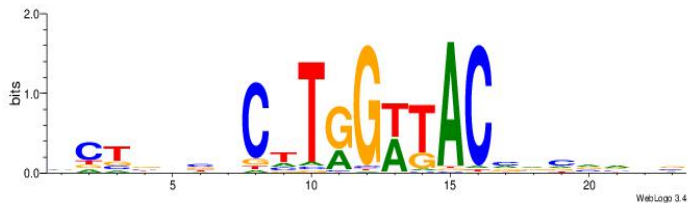


Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 18

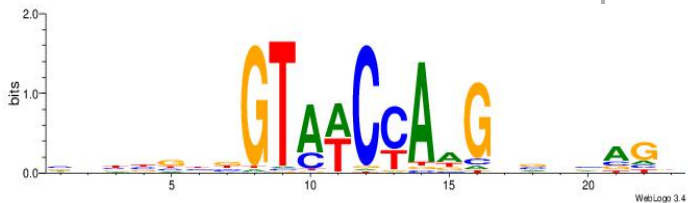
Similarity score: 0.0479788

Alignment:
BDBBVBVGTAWCCAAGVBHBAGB
-----TSGAAMTCACTMKGTASA

Original motif
Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB

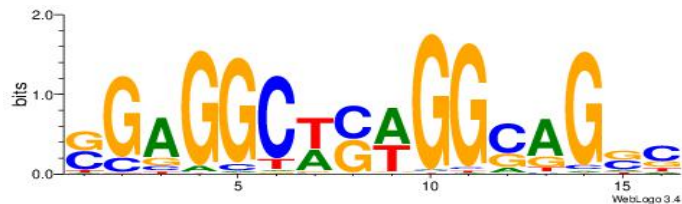


Reverse complement motif
Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB

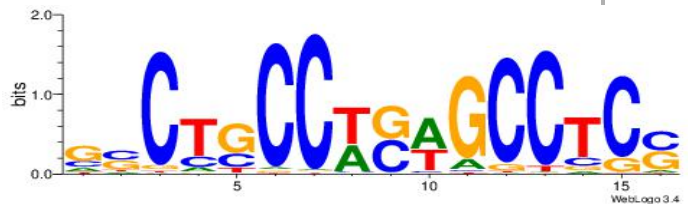


Dataset #: 1 Motif ID: 48 Motif name: C048

Original motif
Consensus sequence: SGAGGCWSWGGCAGSC



Reverse complement motif
Consensus sequence: GSCTGCCWSWGCCTCS



Best Matches for Motif ID 48 (Highest to Lowest)

Motif ID: [UP00527](#)
Motif name: Foxn4_secondary
Species: Mus musculus
Matching format of first motif: Original Motif

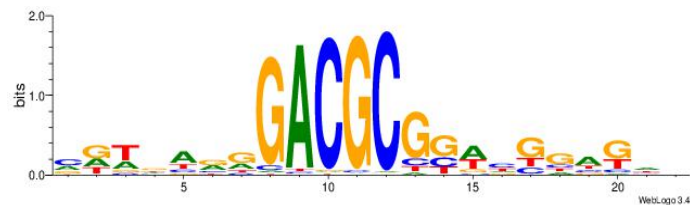
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	7
Number of overlap:	16
Similarity score:	0.0237024

Alignment:

```
VDWDARRGACGCGGWHGGAKHV
-----SGAGGCWSWGGCAGSC
```

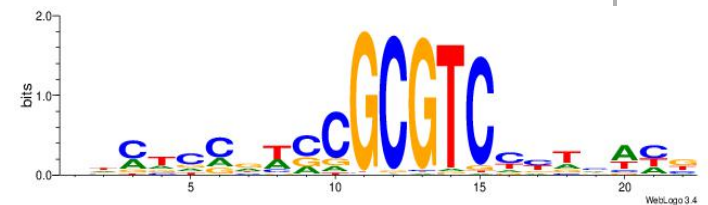
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



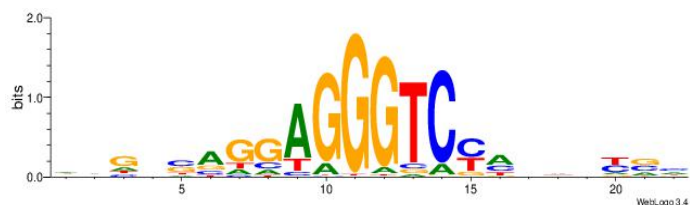
Motif ID:	UP00539
Motif name:	Gli2_v015681_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	16
Similarity score:	0.0327172

Alignment:

```
DVMHHDHKGACCCTCCTSVCBH
GSCTGCCWSWGCCTCS-----
```

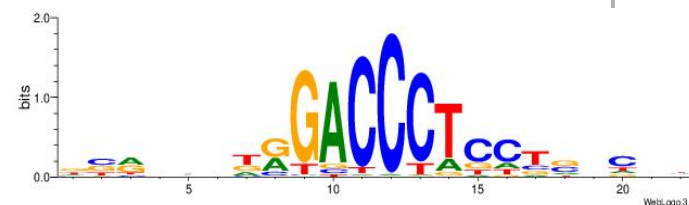
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



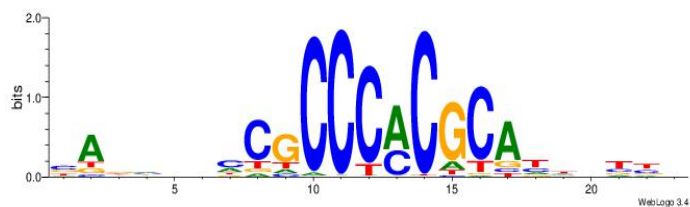
Motif ID: [UP00400](#)
Motif name: Zif268
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 16
Similarity score: 0.034796

Alignment:

```
VVVDHHTGCGYGGGCGDHVHHTB  
---SGAGGCWSWGGCAGSC----
```

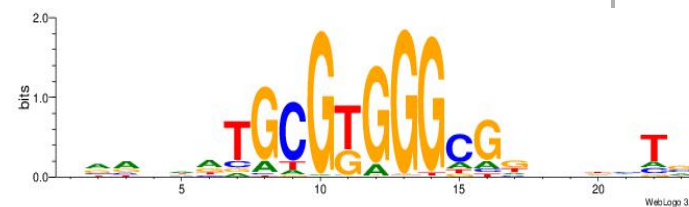
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHVHHTB



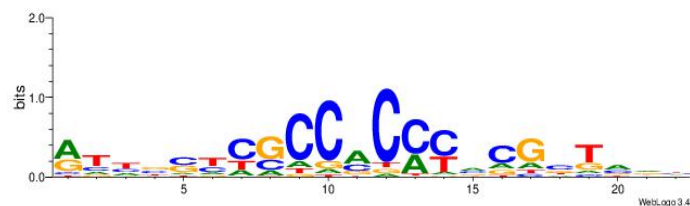
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 16
 Similarity score: 0.036242

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 ---GSCTGCCWSWGCCTCS---

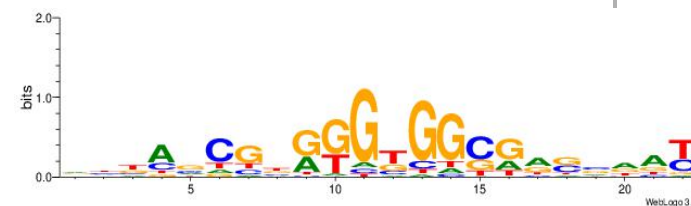
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



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

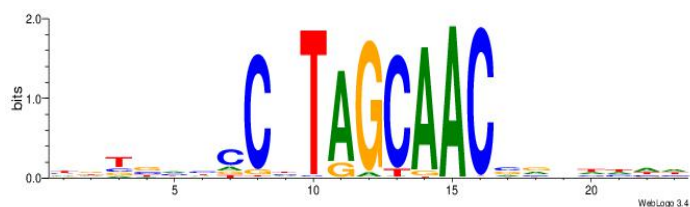
Position number: 2
 Number of overlap: 16
 Similarity score: 0.0393403

Alignment:

HDTBHHCCHTAGCAACVVDHHHH
 -GSCTGCCWSWGCCTCS-----

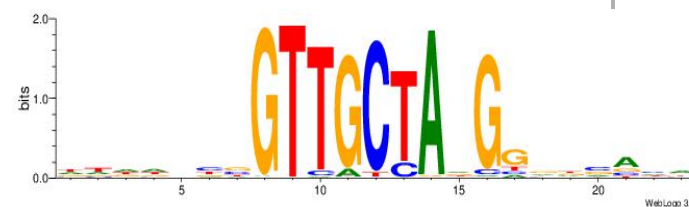
Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH



Reverse complement motif

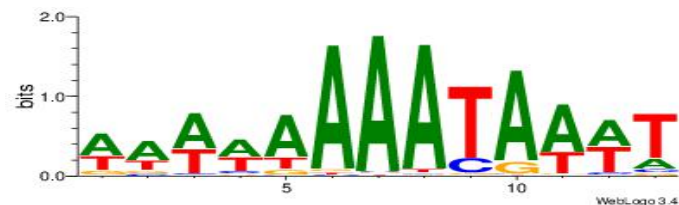
Consensus sequence: HHHHDVVGTTGCTAHGGDHBAAH



Dataset #: 1 **Motif ID: 49** **Motif name: C049**

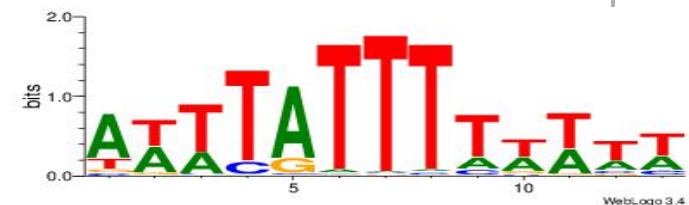
Original motif

Consensus sequence: WAWWAAAATAAWT



Reverse complement motif

Consensus sequence: AWTTATTTTWWTW



Best Matches for Motif ID 49 (Highest to Lowest)

Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary

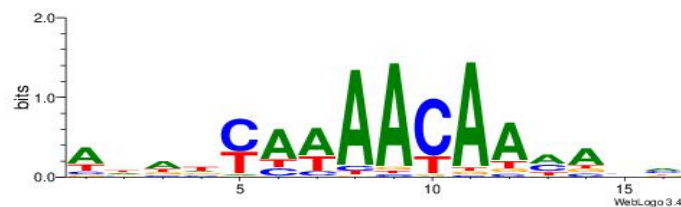
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0235016

Alignment:

ADDDYAWAACAAMAHH
 -WAWWAAAATAAWT--

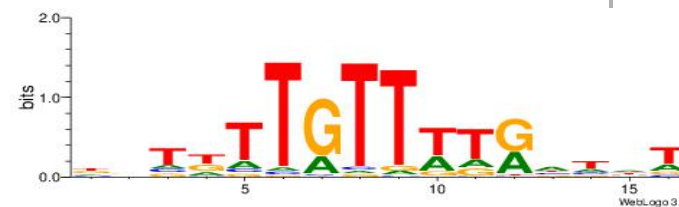
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



Motif ID: [UP00073](#)
 Motif name: Foxa2_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 13
 Similarity score: 0.0251228

Alignment:

HHWAWGTAAAYAAAVDB

--WAWWAAAATAAWT--

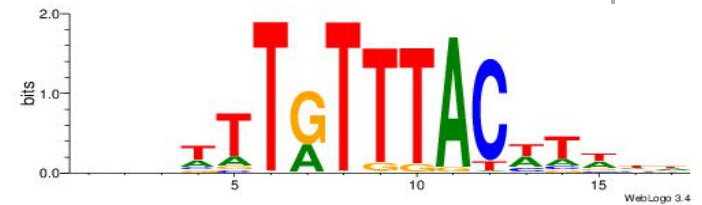
Original motif

Consensus sequence: HHWAWGTAAAYAAVDB



Reverse complement motif

Consensus sequence: BDVTTTKTTTACWTWHH



Motif ID:	UP00121
Motif name:	Hoxd10
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	13
Similarity score:	0.0269927

Alignment:

HDDDATTTTATTKVRDB

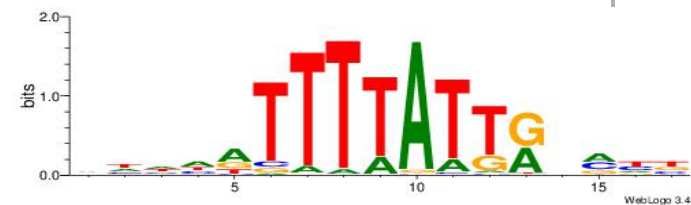
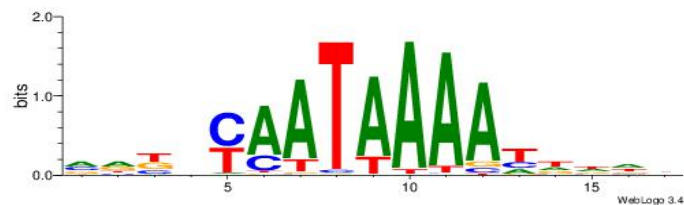
AWTTATTTTWWTW----

Original motif

Consensus sequence: VDKVYAATAAAATDDDH

Reverse complement motif

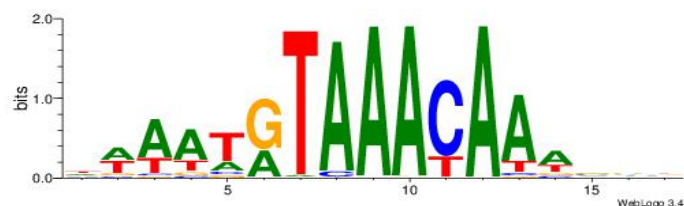
Consensus sequence: HDDDATTTTATTKVRDB



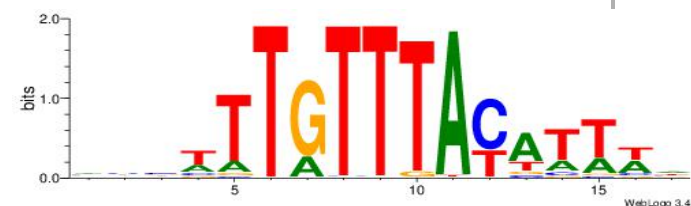
Motif ID: [UP00061](#)
 Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 13
 Similarity score: 0.0270626

Alignment:
 DWAATRTAAACAAWVVB
 --WAWWAAAATAAWT--

Original motif
 Consensus sequence: DWAATRTAAACAAWVVB



Reverse complement motif
 Consensus sequence: VVVWTTGTTTAMATTWD



Motif ID: [UP00037](#)

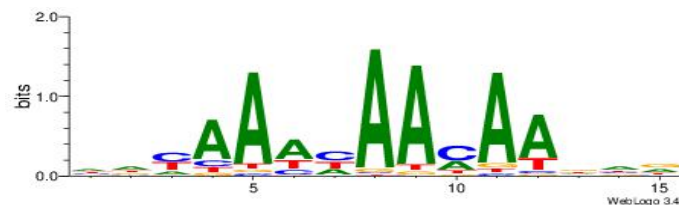
Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0290157

Alignment:

HHHTTRTTDTTTKDH
 -AWTTATTTTWWTW-

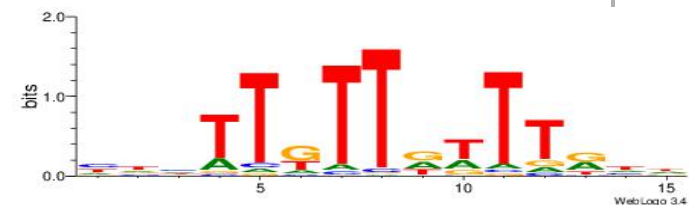
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTTRTTDTTTKDH



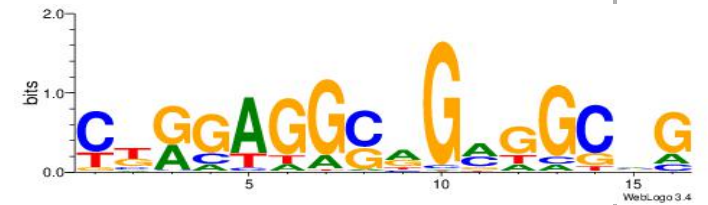
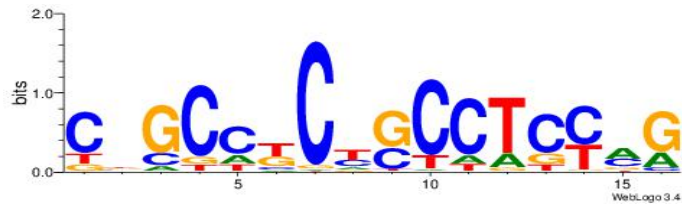
Dataset #: 1 Motif ID: 50 Motif name: C050

Original motif

Consensus sequence: CBGCKCYSCCTCYMG

Reverse complement motif

Consensus sequence: CYKGAGGSMGRGGCVG



Best Matches for Motif ID 50 (Highest to Lowest)

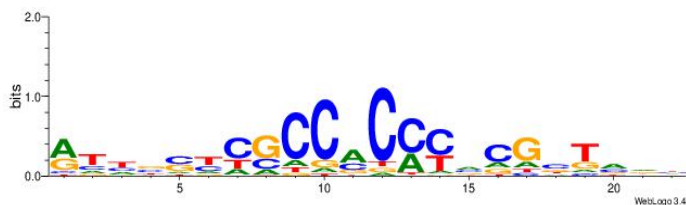
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 16
 Similarity score: 0.0274857

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 -----CBGCCCKCYSCCTCYMG-

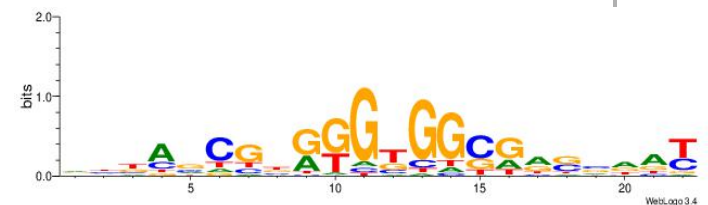
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



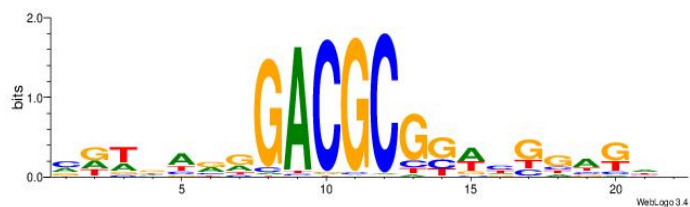
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 16
 Similarity score: 0.0294264

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
 --CBGCCCKCYSCCTCYMG-----

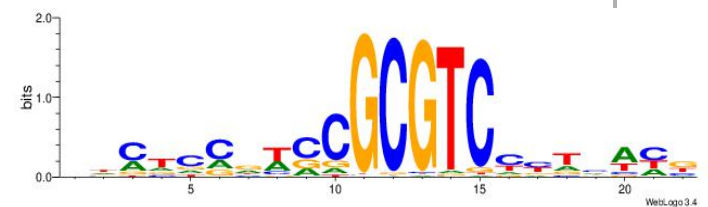
Original motif

Consensus sequence: VDW DARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Motif ID: [UP00022](#)
 Motif name: Zfp740_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 16

Similarity score: 0.0295783

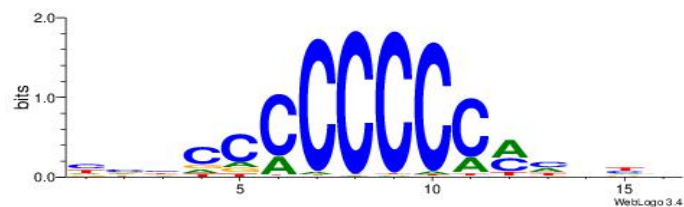
Alignment:

BHHDYGGGGGGGBVD

CYKGAGGSMGRGGCVG

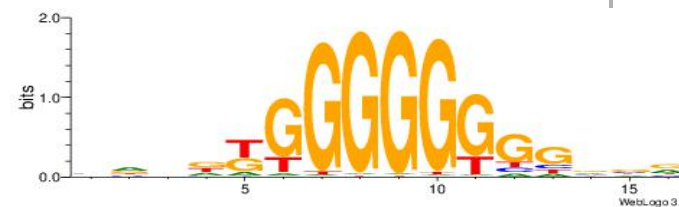
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGBVD



Motif ID: [UP00099](#)

Motif name: Ascl2_secondary

Species: Mus musculus

Matching format of first motif: Reverse Complement

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 1

Number of overlap: 16

Similarity score: 0.0315534

Alignment:

HVDVGGGHGGGGDBHB

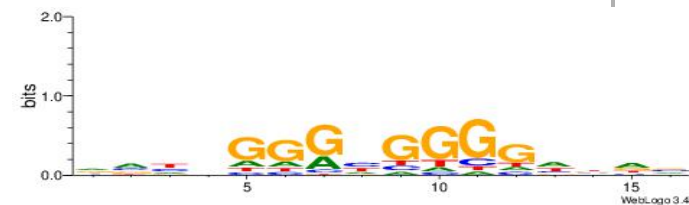
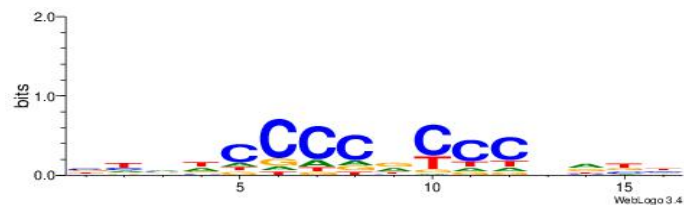
CYKGAGGSMGRGGCVG

Original motif

Consensus sequence: BHVDCCCCDCCCBDBH

Reverse complement motif

Consensus sequence: HVDVGGGHGGGGDBHB



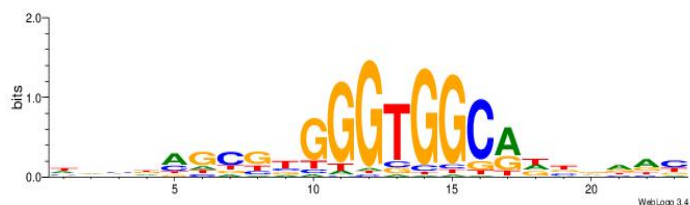
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 16
 Similarity score: 0.0322386

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 -----CBGCCKCYSCCTCYMG--

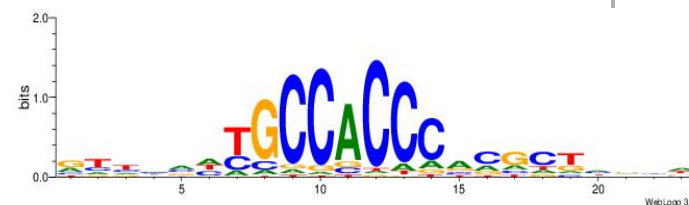
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

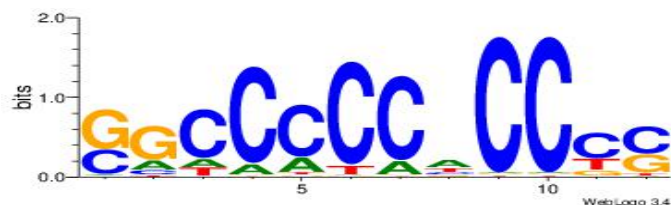
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Dataset #: 1 **Motif ID: 51** **Motif name: C051**

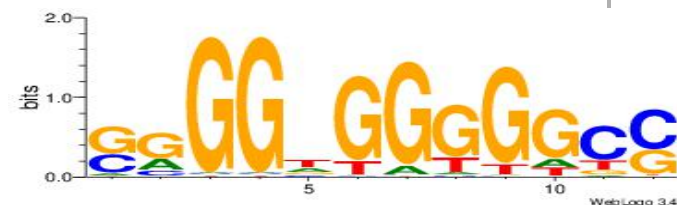
Original motif

Consensus sequence: SGCCCCCHCCCS



Reverse complement motif

Consensus sequence: SGGGHGGGGGCS



Best Matches for Motif ID 51 (Highest to Lowest)

Motif ID:	UP00021
Motif name:	Zfp281_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	12
Similarity score:	0.00935805

Alignment:

DBCCCCCCCCCMYC

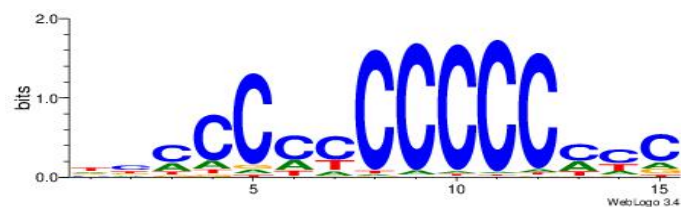
-SGCCCCCHCCCS--

Original motif

Consensus sequence: DBCCCCCCCCCMYC

Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD

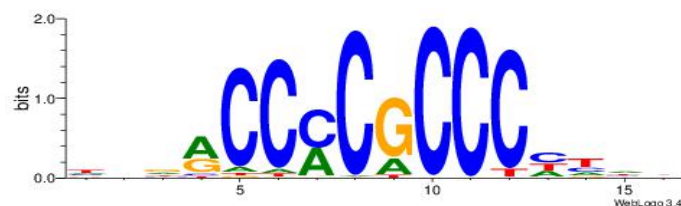


Motif ID: [UP00093](#)
 Motif name: Klf7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0122535

Alignment:
 DHHDGGGCGRGGKHBH
 ---SGGGHGGGGGCS-

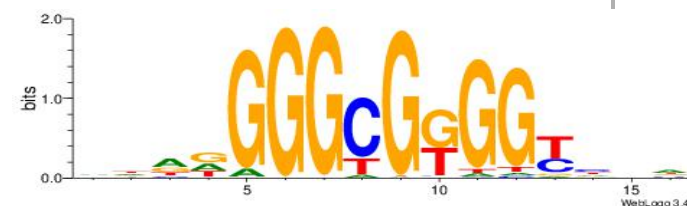
Original motif

Consensus sequence: HBDRCMCGCCCHHHD



Reverse complement motif

Consensus sequence: DHHDGGGCGRGGKHBH



Motif ID: [UP00022](#)

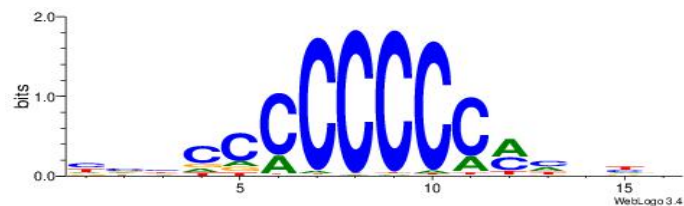
Motif name: Zfp740_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0145224

Alignment:

HVBCCCCCCCCMHHHB
 -SGCCCCCHCCCS---

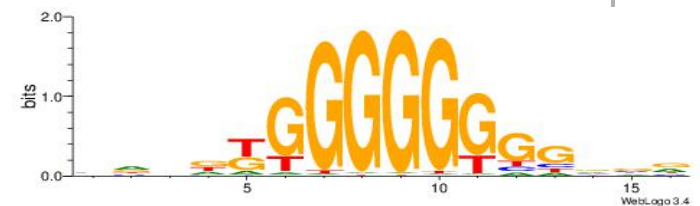
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGBVD

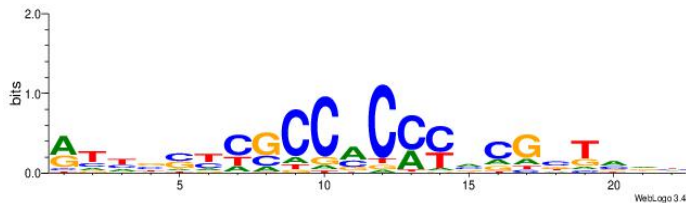


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 12

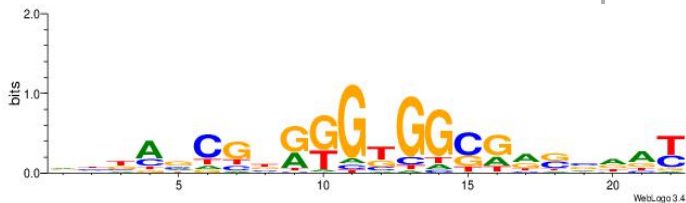
Similarity score: 0.0145616

Alignment:
RTHBSYCGCCMCMYVCGBTVDH
---SGCCCCCHCCCS-----

Original motif
Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif
Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

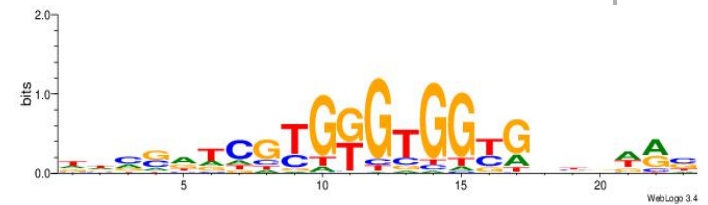
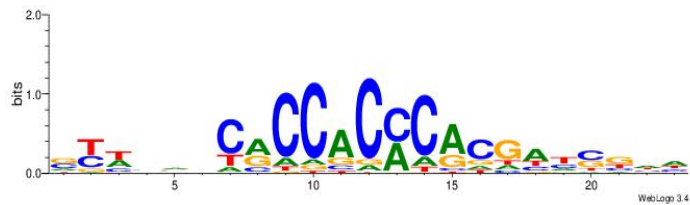


Motif ID: [UP00540](#)
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 9
Number of overlap: 12
Similarity score: 0.0226961

Alignment:
VYWVVHCRCCACMCACGAHSBHH
---SGCCCCCHCCCS-----

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

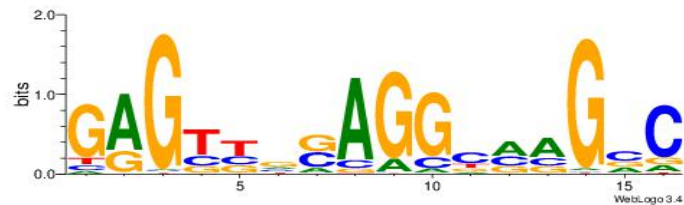
Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Dataset #: 1 Motif ID: 52 Motif name: C052

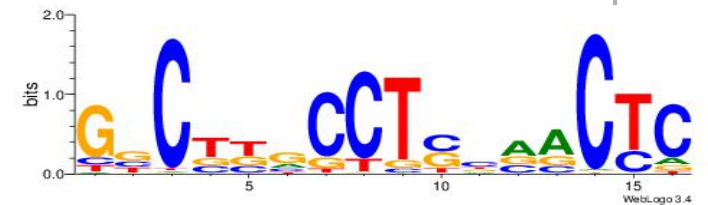
Original motif

Consensus sequence: GAGTBVSAGGCMAGVC



Reverse complement motif

Consensus sequence: GVCTYGCCTSVVACTC



Best Matches for Motif ID 52 (Highest to Lowest)

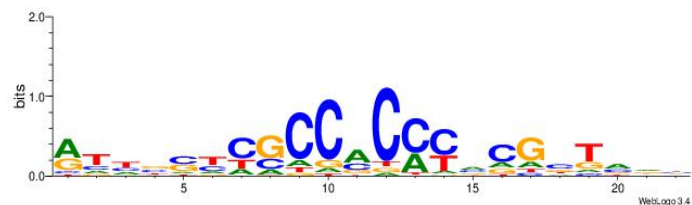
Motif ID:	UP00539
Motif name:	Gli2_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	16
Similarity score:	0.0423398

Alignment:

HDBABCGBKRGYGGCGMSBHAK
----GAGTBVSAGGCMAGVC--

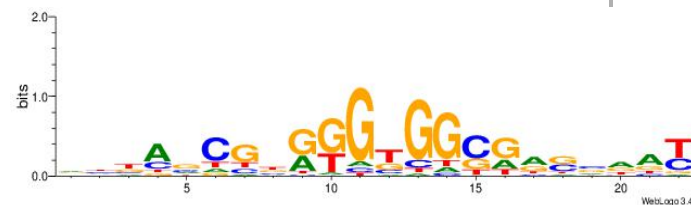
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



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: Backward
Position number: 6
Number of overlap: 16
Similarity score: 0.047746

Alignment:

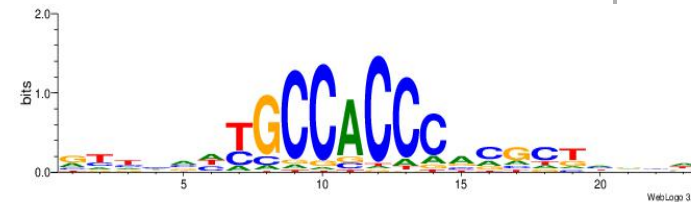
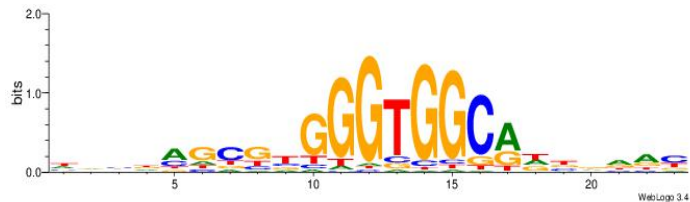
BDDHVDKGCCACCCVCGCTDBVH
--GVCTYGCCTSVVACTC-----

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

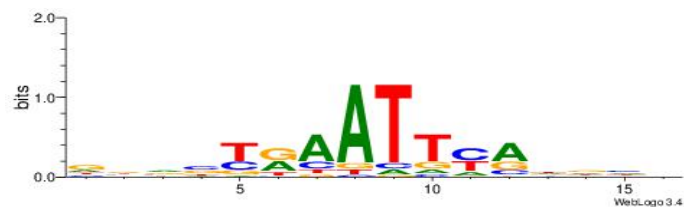
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



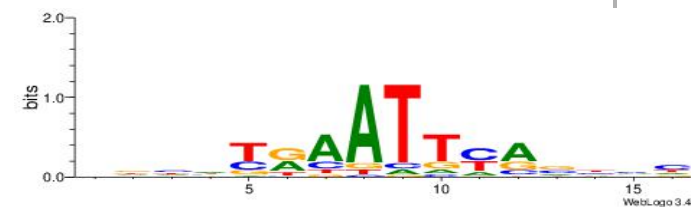
Motif ID: [UP00064](#)
 Motif name: Sox18_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0490125

Alignment:
 DBVBTRAATTYADDHV
 GAGTBVSAGGCMAGVC

Original motif
 Consensus sequence: DBVBTRAATTYADDHV



Reverse complement motif
 Consensus sequence: VDHTKAATTMABBBH



Motif ID: [UP00400](#)

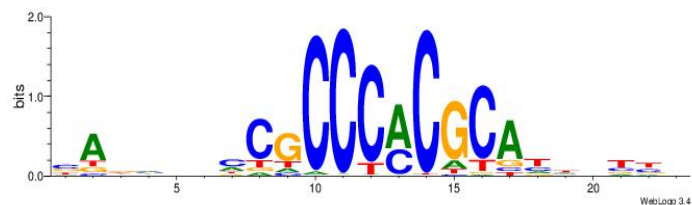
Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 16
 Similarity score: 0.0499529

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
 GVCTYGCCTSVVACTC-----

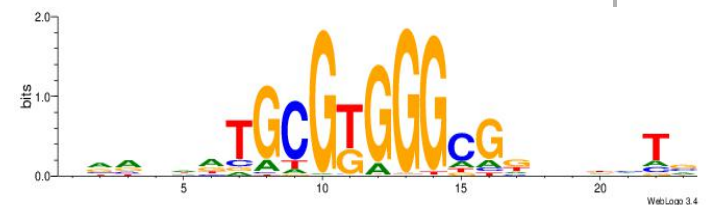
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHHTB



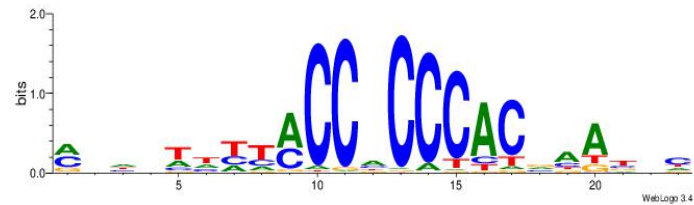
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0535021

Alignment:

MHHHWHYTMCHCCCACVAABVH
GAGTBVSAGGCMAGVC-----

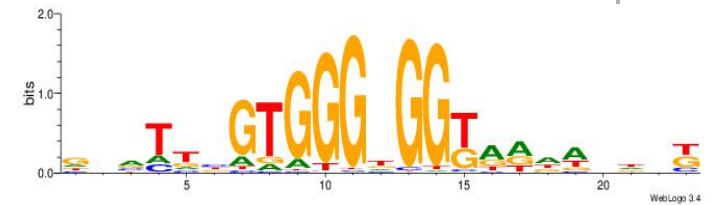
Original motif

Consensus sequence: MHHHWHYTMCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



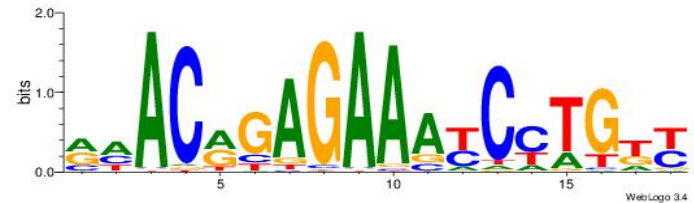
Dataset #: 1

Motif ID: 53

Motif name: C053

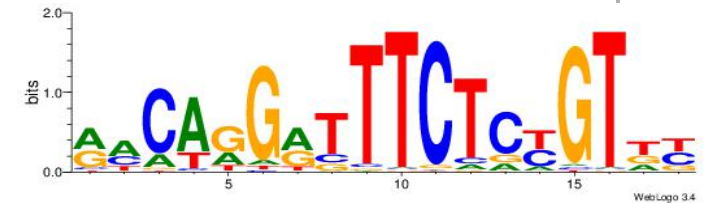
Original motif

Consensus sequence: RMACRGAGAAAYCCTGKY



Reverse complement motif

Consensus sequence: MRCAGGTTTCTCKGTYK



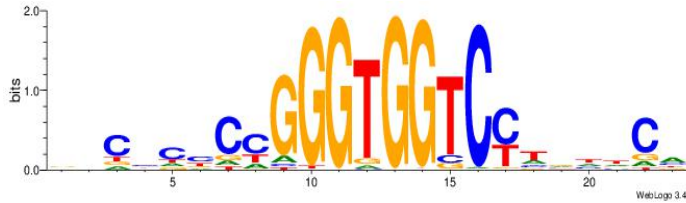
Best Matches for Motif ID 53 (Highest to Lowest)

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

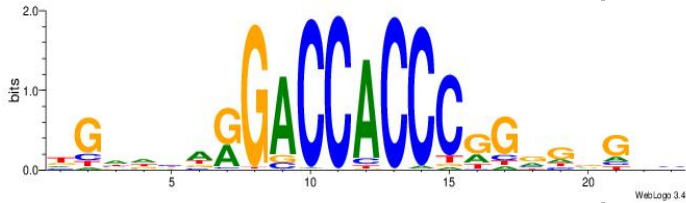
Direction: Backward
Position number: 4
Number of overlap: 18
Similarity score: 0.0388232

Alignment:
HGDHVHKGACCACCCGGBGBGDB
--MRCAGGMTTTCTCKGTYK---

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



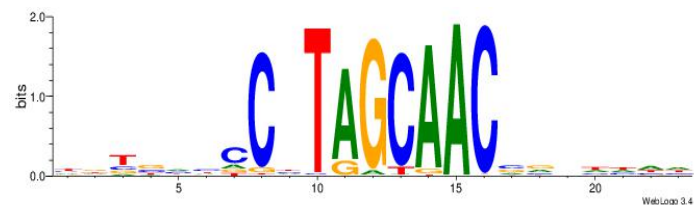
Motif ID: [UP00098](#)
Motif name: Rfx3_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 18
Similarity score: 0.0410442

Alignment:

HDTBHHCCHTAGCAACVVDHHHH
----RMACRGAGAAAYCCTGKY-

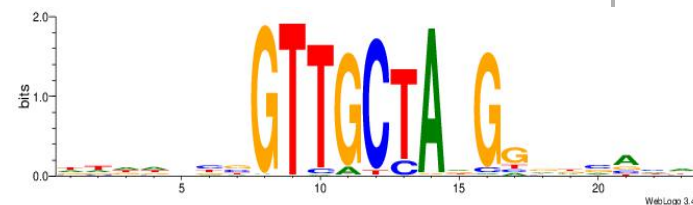
Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH



Reverse complement motif

Consensus sequence: HHHHDVVGTTGCTAHGGDHBAAH



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:	4
Number of overlap:	18
Similarity score:	0.0413339

Alignment:

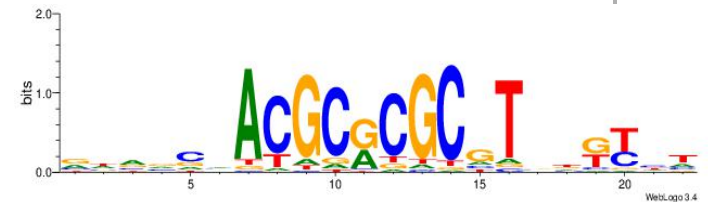
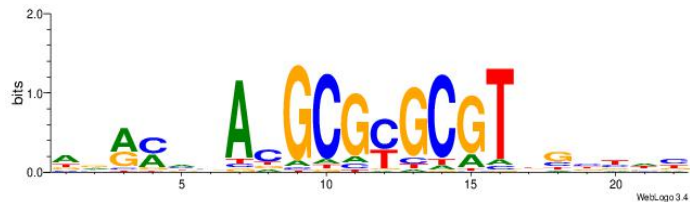
DDRMHBACGCGYGCGTDGBBDB
---MRCAGGMTTCTCKGTYK-

Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB

Reverse complement motif

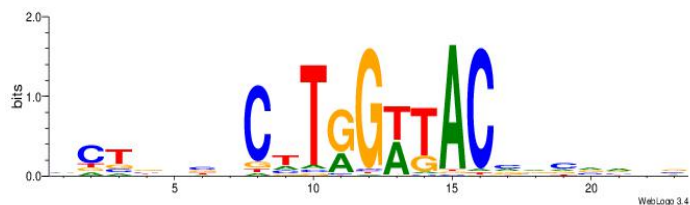
Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



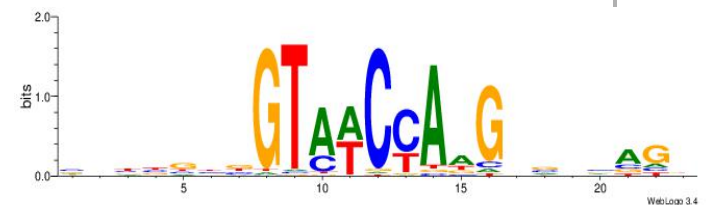
Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0440408

Alignment:
 VCTBHBVCTTGGWTACVVVVVDB
 RMACRGAGAAAYCCTGKY-----

Original motif
 Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif
 Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary

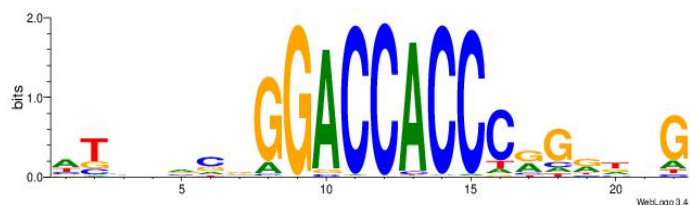
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0442508

Alignment:

CBDMCMGGGTGGTCCHVBVBAH
 -RMACRGAGAAAYCCTGKY---

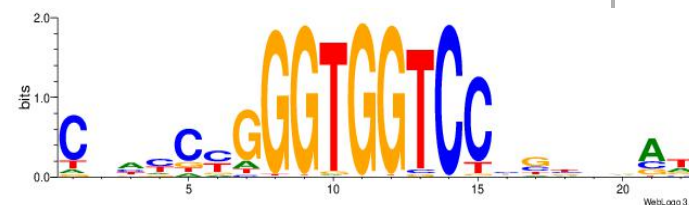
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

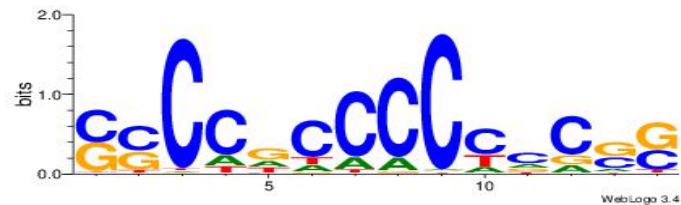
Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



Dataset #: 1 **Motif ID: 54** **Motif name: C054**

Original motif

Consensus sequence: SSCDCCCCCCCCSS



Reverse complement motif

Consensus sequence: SSGGGGGGGHGGSS



Best Matches for Motif ID 54 (Highest to Lowest)

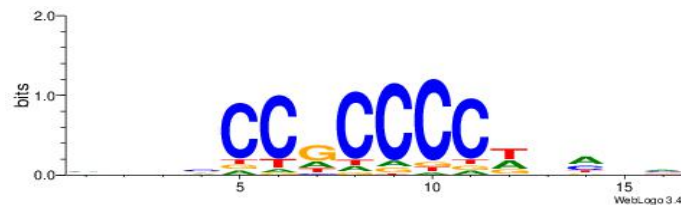
Motif ID: [UP00043](#)
Motif name: Bcl6b_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 14
Similarity score: 0.0162118

Alignment:

HBBBCCGCCCCWHHHV
--SSCCDCCCCCCCSS

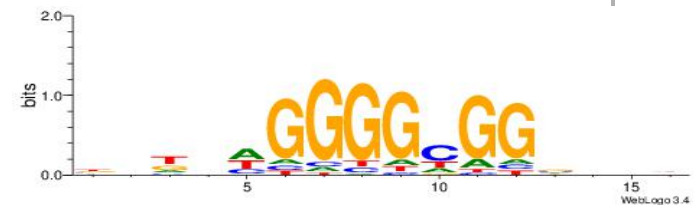
Original motif

Consensus sequence: HBBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif

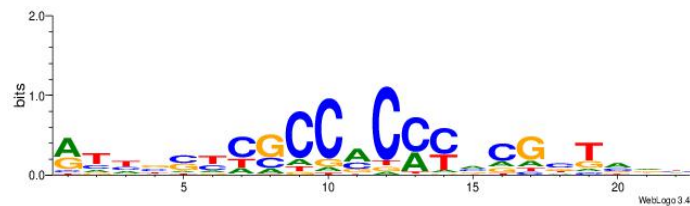
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	14
Similarity score:	0.0185646

Alignment:

```
RTHBSYCGCCMCMYVCGBTVDH
---SSCCDCCCCCCCSS-----
```

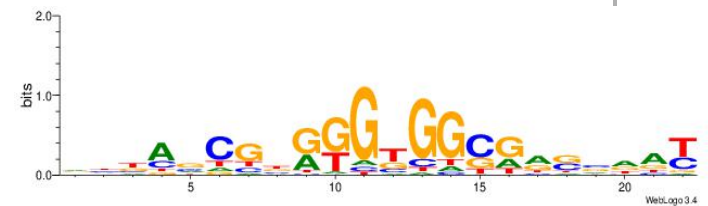
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



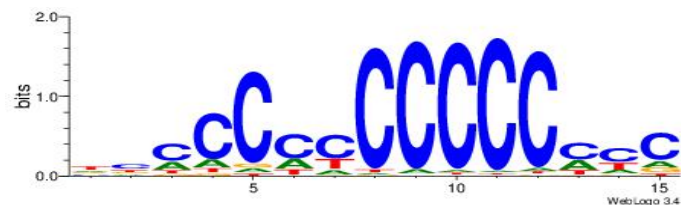
Motif ID:	UP00021
Motif name:	Zfp281_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	14
Similarity score:	0.0201409

Alignment:

DBCCCCCCCCCMYC
-SSCCDCCCCCCCSS

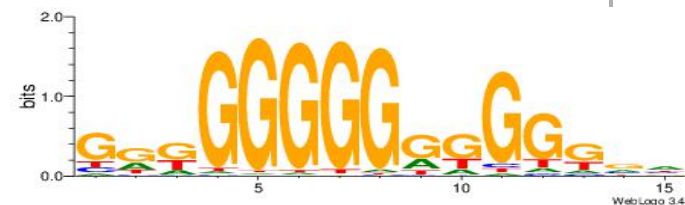
Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD



Motif ID: [UP00033](#)
Motif name: Zfp410_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0221949

Alignment:

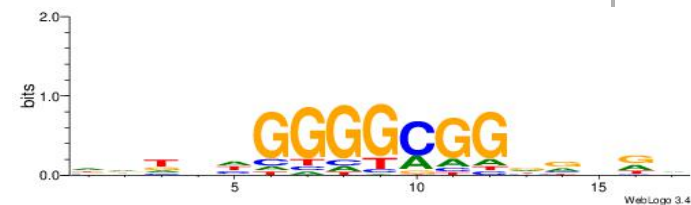
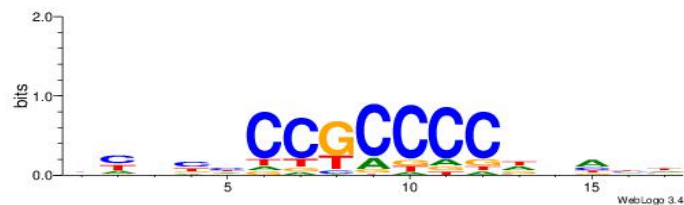
HHHHDGGGGCGGDBHDV
SSGGGGGGGHGGSS---

Original motif

Consensus sequence: BHHBHCCGCCCDHHHH

Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV

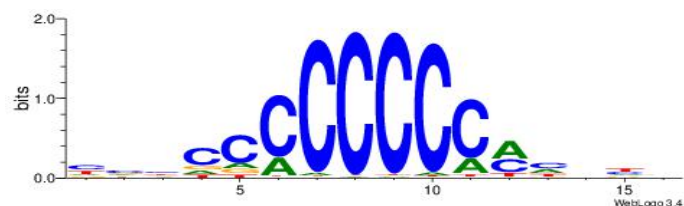


Motif ID: [UP00022](#)
 Motif name: Zfp740_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0265213

Alignment:
 HVBCCCCCCCCMHHHB
 -SSCCDCCCCCCCSS-

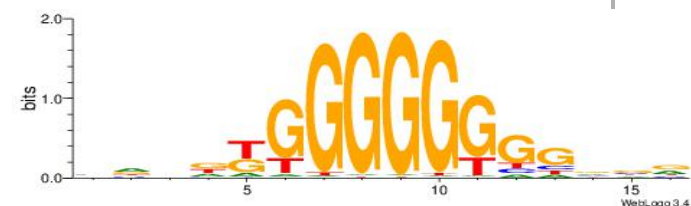
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

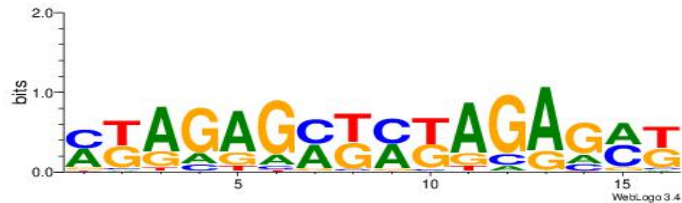
Consensus sequence: BHHDYGGGGGGGGBVD



Dataset #: 1 **Motif ID: 55** **Motif name: C055**

Original motif

Consensus sequence: MKAGAGMKMKAGAGMK



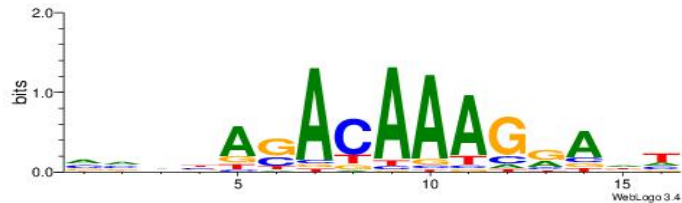
Best Matches for Motif ID 55 (Highest to Lowest)

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: 1
Number of overlap: 16
Similarity score: 0.039204

Alignment:
VVDBASACAAAGRADH
MKAGAGMKMKAGAGMK

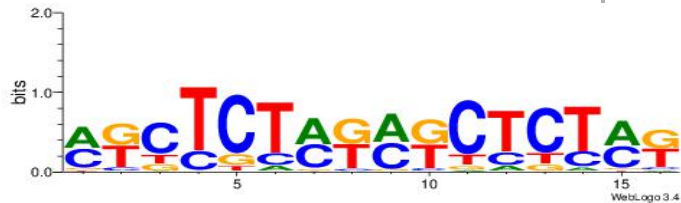
Original motif

Consensus sequence: VVDBASACAAAGRADH



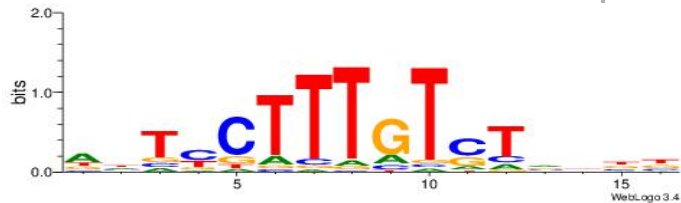
Reverse complement motif

Consensus sequence: RYCTCTRRRRCTCTRR



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



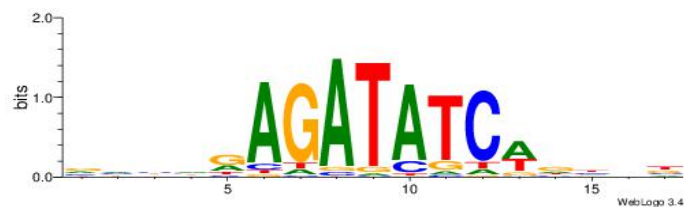
Motif ID: [UP00080](#)
 Motif name: Gata5_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0398738

Alignment:

VVBHRAGATATCWDHBB
 -MKAGAGMKMKAGAGMK

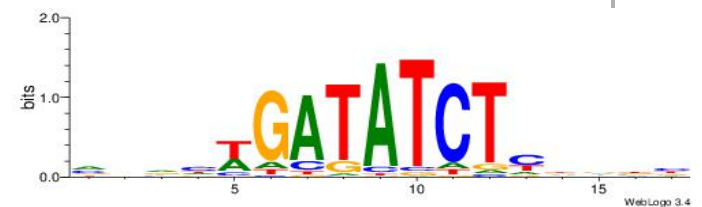
Original motif

Consensus sequence: VVBHRAGATATCWDHBB



Reverse complement motif

Consensus sequence: VVHHWGATATCTMHBBV

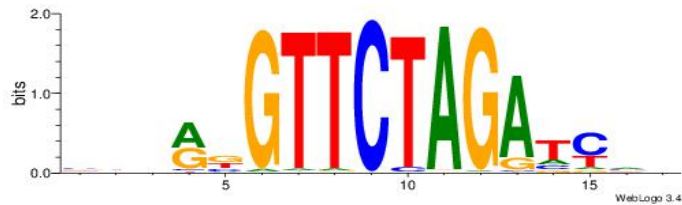


Motif ID: [UP00019](#)
 Motif name: Zbtb12_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1

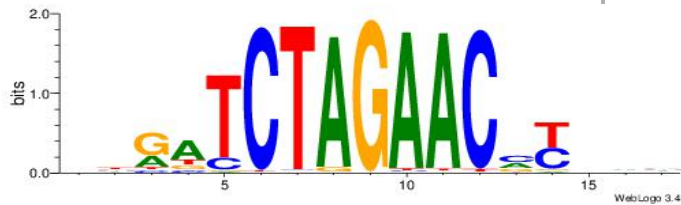
Number of overlap: 16
Similarity score: 0.0427919

Alignment:
BBGATCTAGAACBKHDB
-RYCTCTRRRRCTCTRR

Original motif
Consensus sequence: BDHRBGTTCTAGATCVB



Reverse complement motif
Consensus sequence: BBGATCTAGAACBKHDB



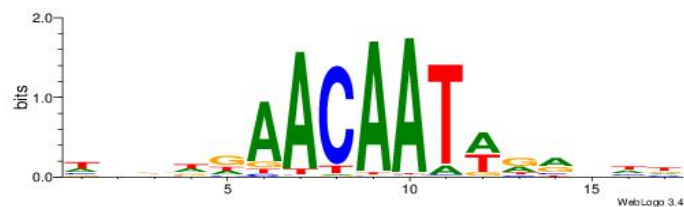
Motif ID: [UP00075](#)
Motif name: Sox15_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 16
Similarity score: 0.0433178

Alignment:
HDDDDAACAATWRRBHD
-MKAGAGMKMKAGAGMK

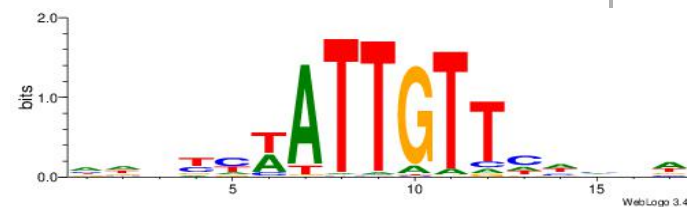
Original motif

Reverse complement motif

Consensus sequence: HDDDDAACAATWRRBHD



Consensus sequence: DHVKMWATTGTTHDHDH



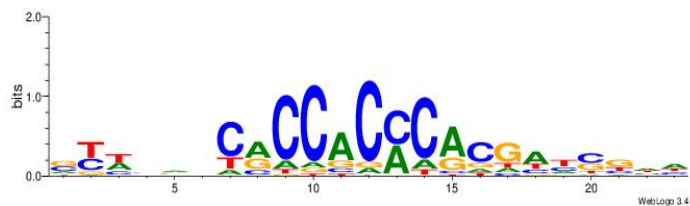
Motif ID: [UP00540](#)
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 8
Number of overlap: 16
Similarity score: 0.0454282

Alignment:

VYWVVHCRCCACMCACGAHSBHH
-----RYCTCTRRRRCTCTRR

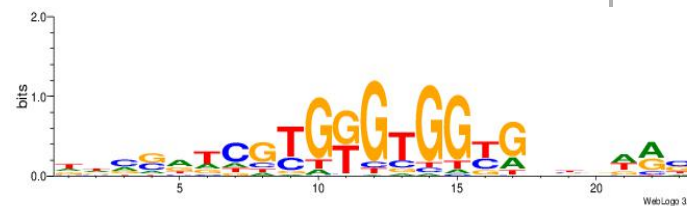
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

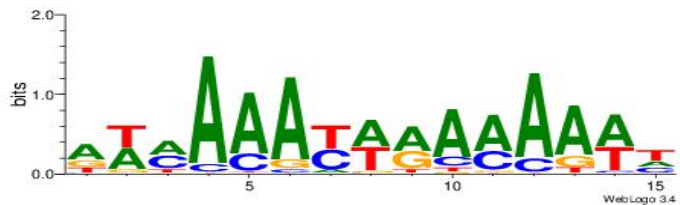
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Dataset #: 1 Motif ID: 56 Motif name: C056

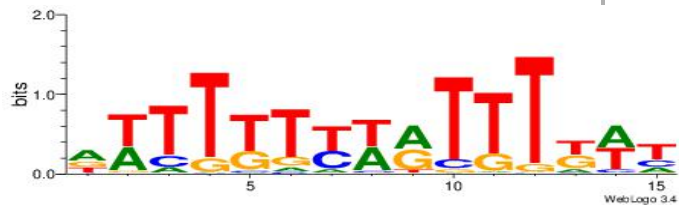
Original motif

Consensus sequence: AWMAAAYWRAMAAWH



Reverse complement motif

Consensus sequence: HWTTYTKWMTTTYWT



Best Matches for Motif ID 56 (Highest to Lowest)

Motif ID:	UP00077
Motif name:	Srf_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	15
Similarity score:	0.0213582

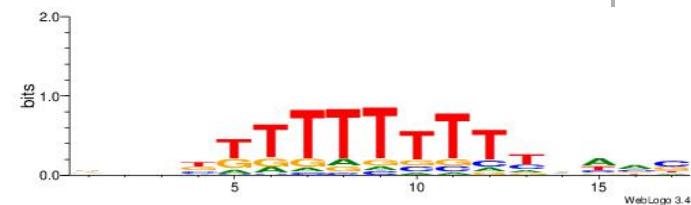
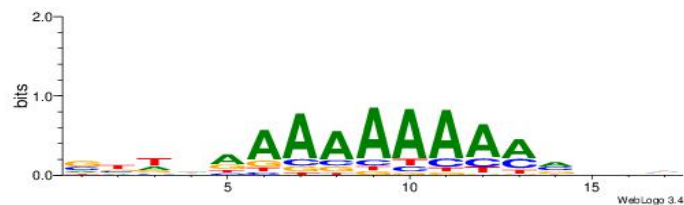
Alignment:
VBDDAAAAAAAAAMVBHH
-AWMAAAAYWRAMAAWH-

Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH

Reverse complement motif

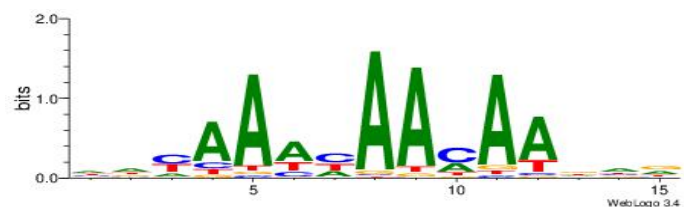
Consensus sequence: HHVBYTTTTTTTTDDV



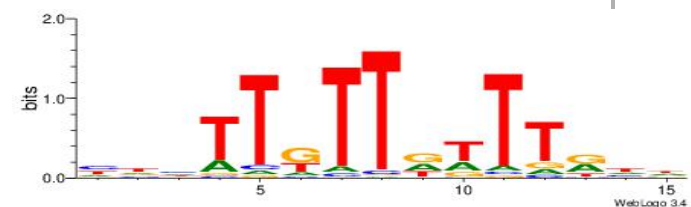
Motif ID: [UP00037](#)
 Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0251847

Alignment:
 HDYAAHAAMAADHD
 AWMAAAYWRAMAASH

Original motif
 Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif
 Consensus sequence: HHHTRTTDTTTKDH



Motif ID: [UP00090](#)
 Motif name: Elf3_secondary

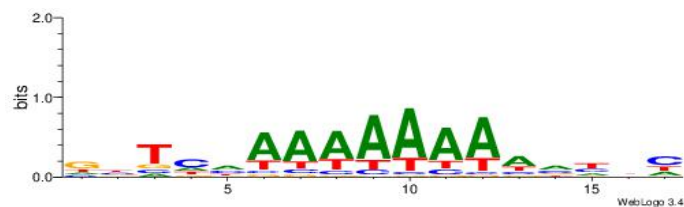
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0274993

Alignment:

DBTHHAAAAAAAAAVHDH
 -AWMAAA YWRAMA AWH-

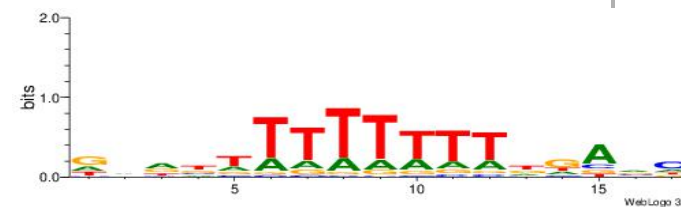
Original motif

Consensus sequence: DBTHHAAAAAAAAAVHDH



Reverse complement motif

Consensus sequence: DDHBTTTTTTTTTHDAVH



Motif ID: [UP00255](#)
 Motif name: Dbx1
 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: 0.027785

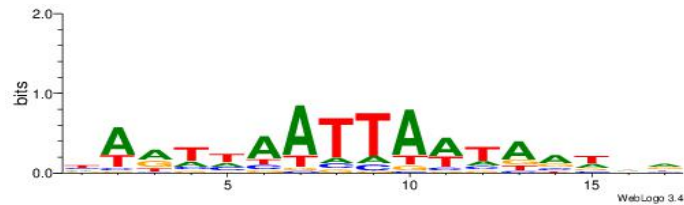
Alignment:

HARTHAATTAWTAVDHD

-AWMAAA YWRAMAAWH-

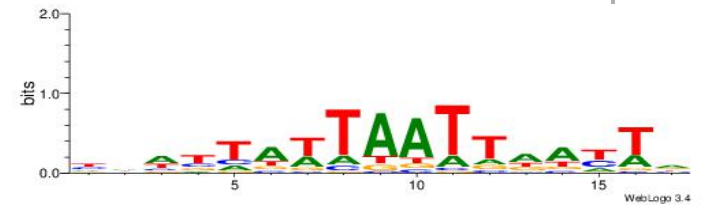
Original motif

Consensus sequence: HARTHAATTAWTAVDHD



Reverse complement motif

Consensus sequence: DHDBTAWTAATTHAKTH



Motif ID:	UP00121
Motif name:	Hoxd10
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	15
Similarity score:	0.02926

Alignment:

HDDDATTTTATTKVRDB

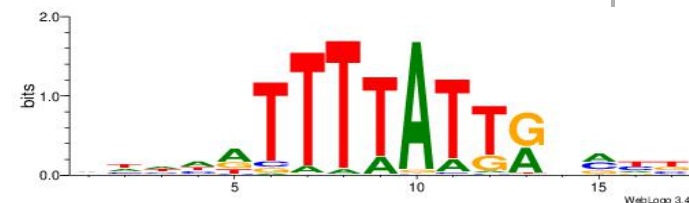
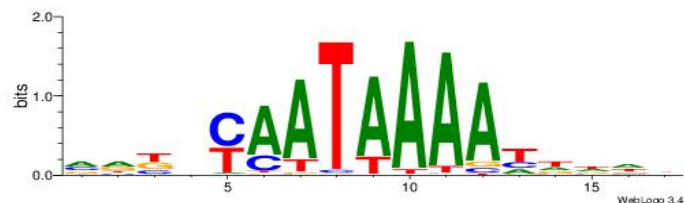
-HWT TYTKWM TTYWT-

Original motif

Consensus sequence: VDKVYAATAAAATDDDH

Reverse complement motif

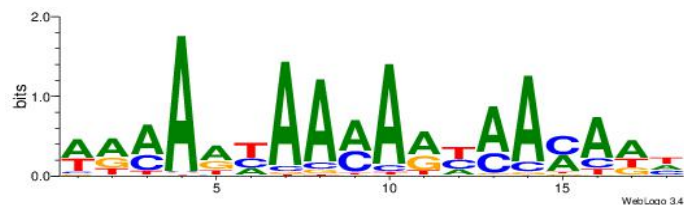
Consensus sequence: HDDDATTTTATTKVRDB



Dataset #: 1 **Motif ID: 57** **Motif name: C057**

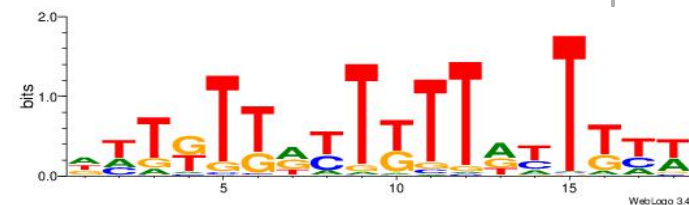
Original motif

Consensus sequence: WRMARYAAMARYAAMAWH



Reverse complement motif

Consensus sequence: HWTRTTMKTYTTMKTYKW



Best Matches for Motif ID 57 (Highest to Lowest)

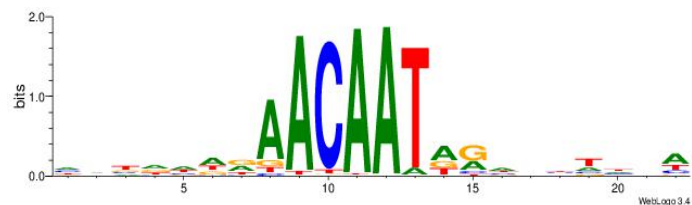
Motif ID:	UP00034
Motif name:	Sox7_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	18
Similarity score:	0.0381479

Alignment:

HHBDHDDAACAATDRHHHHHBW
-WRMARYAAMARYAAMAWH---

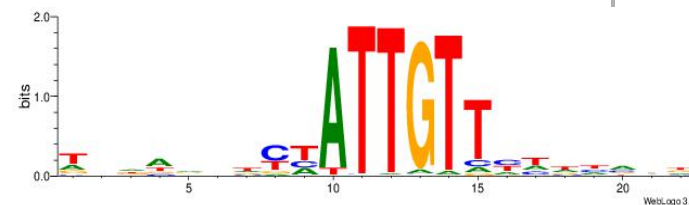
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



Motif ID:	UP00034
Motif name:	Sox7_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	18
Similarity score:	0.052401

Alignment:

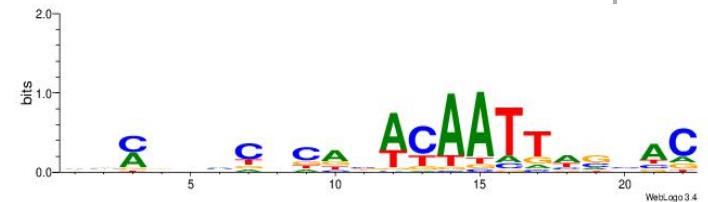
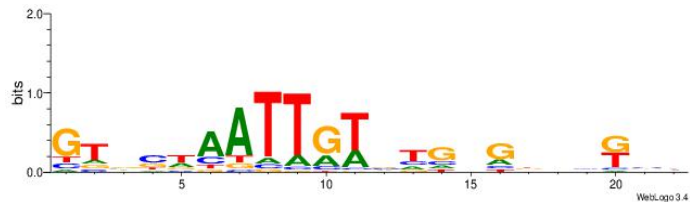
VVYDDDCHCAVACAATTDBVAC
----WRMARYAAMARYAAMAWH

Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB

Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC

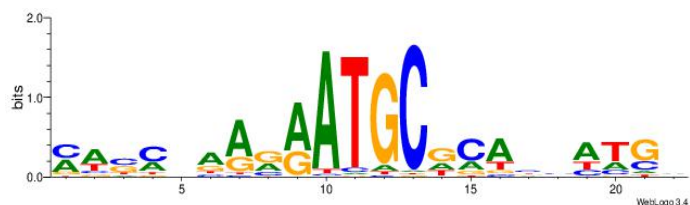


Motif ID: [UP00528](#)
 Motif name: Foxm1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0540821

Alignment:
 DCATDBTGHGCATKMTTBRSWR
 --HWTRTTMKTYTTMKTYKW--

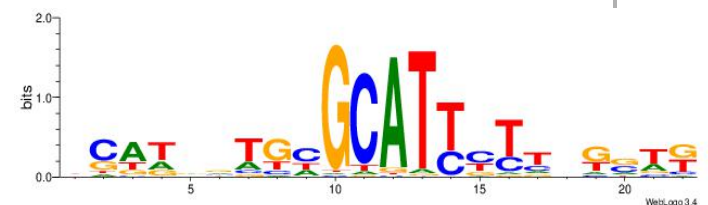
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Motif ID: [UP00032](#)

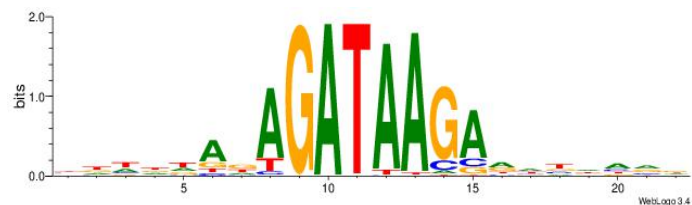
Motif name: Gata3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0542401

Alignment:

HBHDVHDTCTTATCTHTDDHDV
 --HWTRTTMKTYTTMKTYKW--

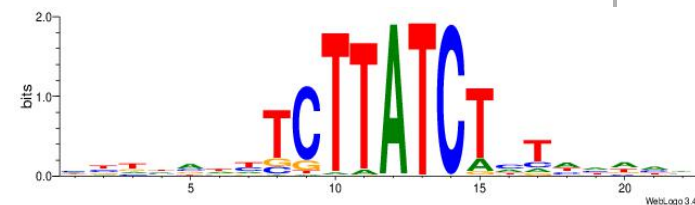
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV

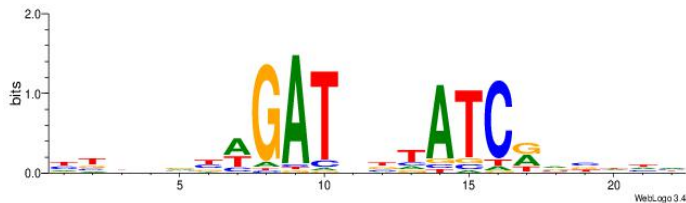


Motif ID: [UP00032](#)
 Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 18

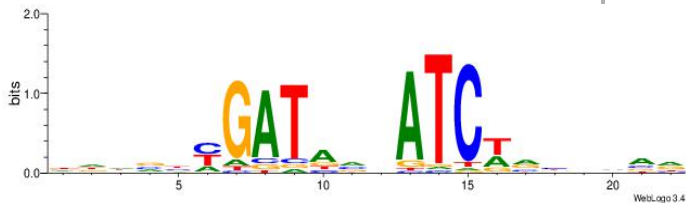
Similarity score: 0.0552305

Alignment:
HHHBBMGATAVHATCWVVDHVH
---WRMARYAAMARYAAMAWH-

Original motif
Consensus sequence: HBHDVBWGATHBTATCRVBHHH

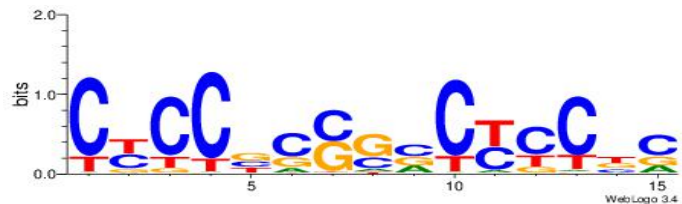


Reverse complement motif
Consensus sequence: HHHBBMGATAVHATCWVVDHVH

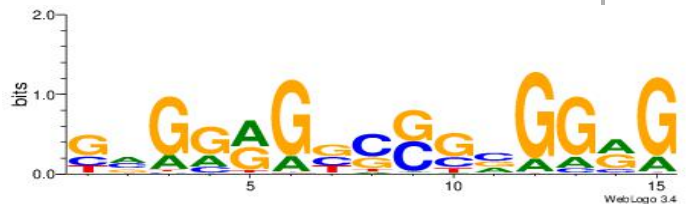


Dataset #: 1 Motif ID: 58 Motif name: C058

Original motif
Consensus sequence: CYCCBCSGVCYCCBC



Reverse complement motif
Consensus sequence: GVGGMGVCSGBGGMG



Best Matches for Motif ID 58 (Highest to Lowest)

Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement

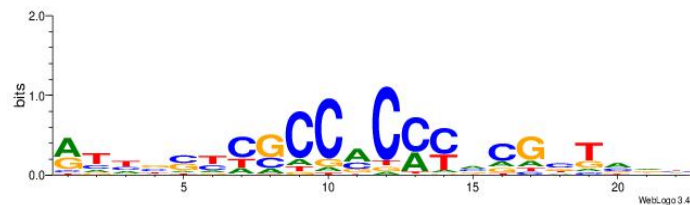
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	7
Number of overlap:	15
Similarity score:	0.0246506

Alignment:

```
HDBABCGBKRGYGGCGMSBHAK
-GVGGMGVCSGBGGMG-----
```

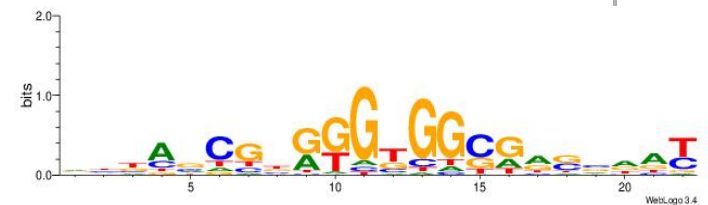
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



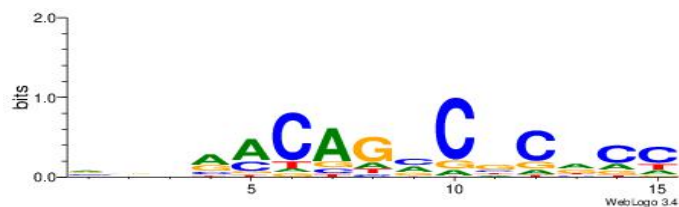
Motif ID:	UP00036
Motif name:	Myf6_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	15
Similarity score:	0.0266507

Alignment:

```
GGDGBGVCTGTKVVB
GVGGMGVCSGBGGMG
```

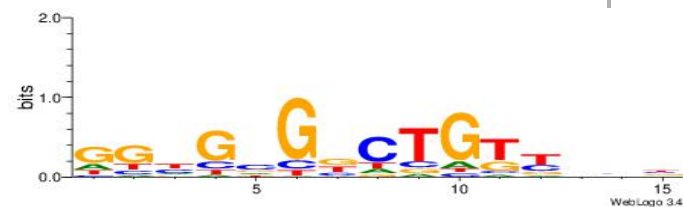
Original motif

Consensus sequence: VVVRACAGVCBCDCC



Reverse complement motif

Consensus sequence: GGDGBGVCTGTKVVB



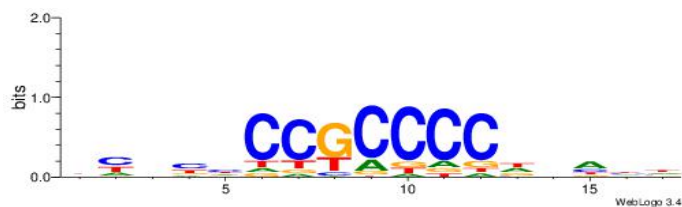
Motif ID: [UP00033](#)
 Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0296277

Alignment:

BHBBHCCGCCCCDHHHH
 CYCCBCSGVCYCCBC--

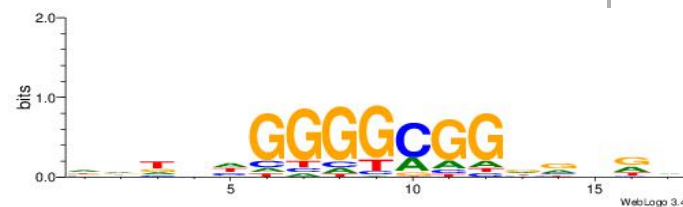
Original motif

Consensus sequence: BHBBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



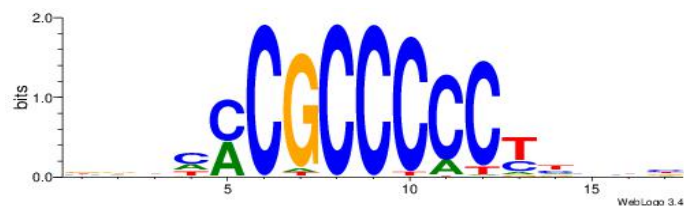
Motif ID: [UP00002](#)
 Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0309574

Alignment:

BDHHMCGCCCCCTHVBB
 --CYCCBCSGVCYCCBC

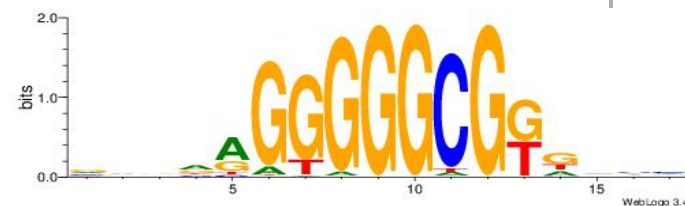
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB

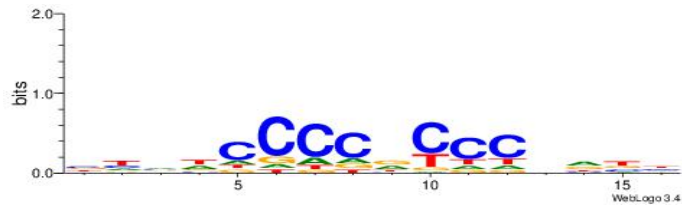


Motif ID: [UP00099](#)
 Motif name: Ascl2_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 15

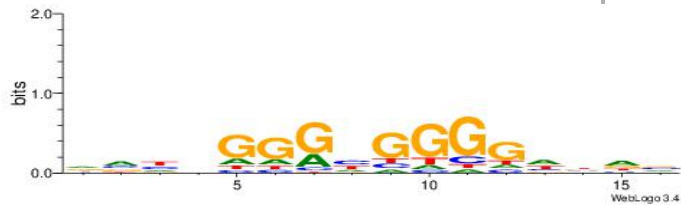
Similarity score: 0.0331968

Alignment:
BHVDCCCCDCCCBDBH
CYCCBCSGVCYCCBC-

Original motif
Consensus sequence: BHVDCCCCDCCCBDBH

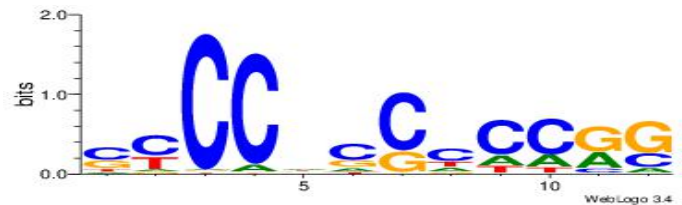


Reverse complement motif
Consensus sequence: HVDVGGGHGGGGDBHB



Dataset #: 1 Motif ID: 59 Motif name: C059

Original motif
Consensus sequence: SYCCDCCCCCRG



Reverse complement motif
Consensus sequence: CMGGGGGDGGKS



Best Matches for Motif ID 59 (Highest to Lowest)

Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif

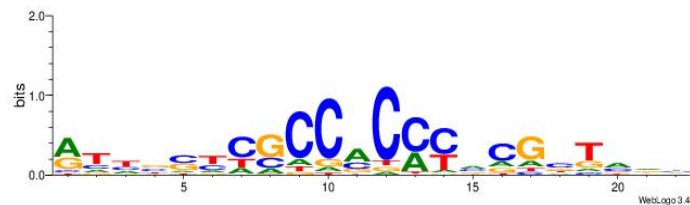
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	12
Similarity score:	0.0197332

Alignment:

```
RTHBSYCGCCMCMYVCGBTVDH
-----SYCCDCCCCCRG-----
```

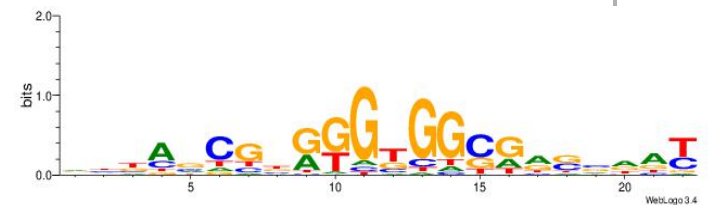
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



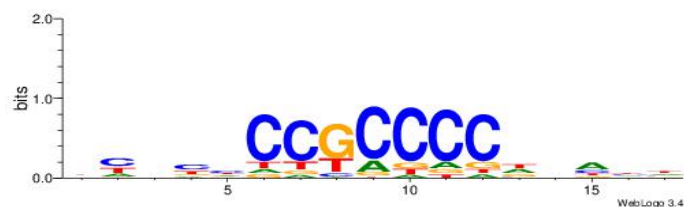
Motif ID:	UP00033
Motif name:	Zfp410_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	12
Similarity score:	0.0224264

Alignment:

HHHHDGGGGCGGDBHDV
--CMGGGGGDGGKS---

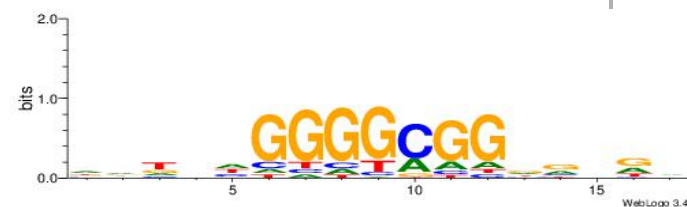
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



Motif ID:	UP00099
Motif name:	Ascl2_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	12
Similarity score:	0.0231684

Alignment:

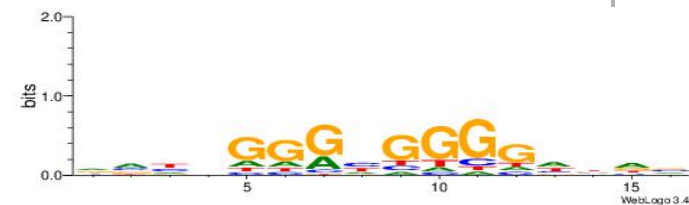
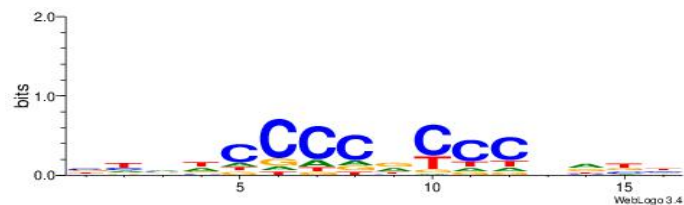
HVDVGGGGHGGGGDBHB
CMGGGGGDGGKS----

Original motif

Consensus sequence: BHVDCCCCDCCCBDBH

Reverse complement motif

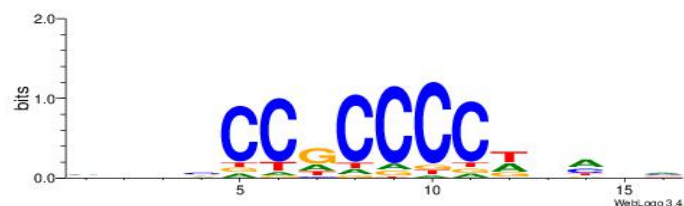
Consensus sequence: HVDVGGGGHGGGGDBHB



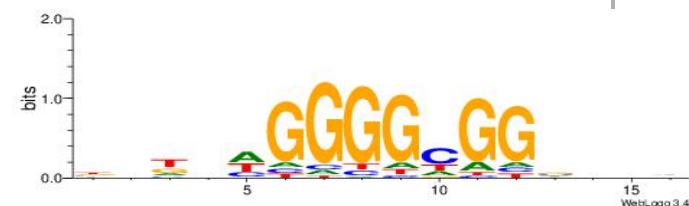
Motif ID: [UP00043](#)
 Motif name: Bcl6b_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.023387

Alignment:
 BHHHWGGGGCGGBBVH
 --CMGGGGGDGGKS--

Original motif
 Consensus sequence: HBBBCCGCCCCWHHHV



Reverse complement motif
 Consensus sequence: BHHHWGGGGCGGBBVH

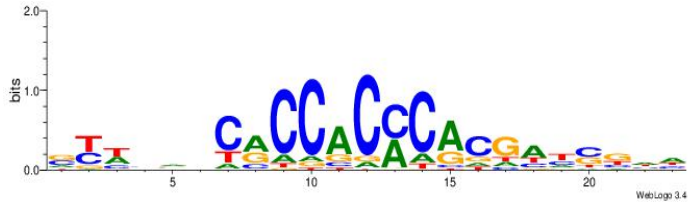


Motif ID: [UP00540](#)

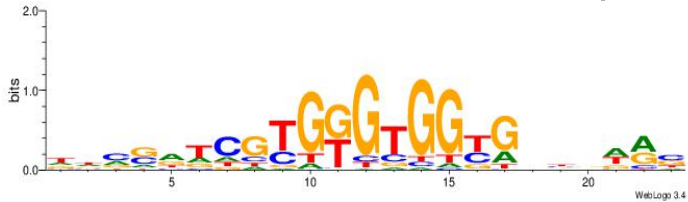
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 7
Number of overlap: 12
Similarity score: 0.0246213

Alignment:
HHBSHTCGTGRGTGGKGDBVWMV
-----CMGGGGGDGGKS-----

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



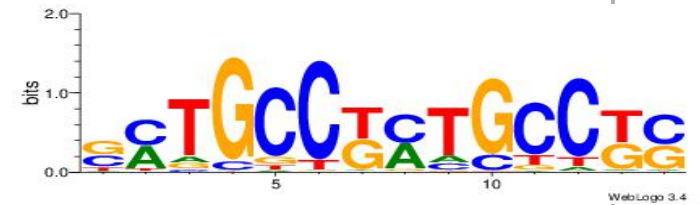
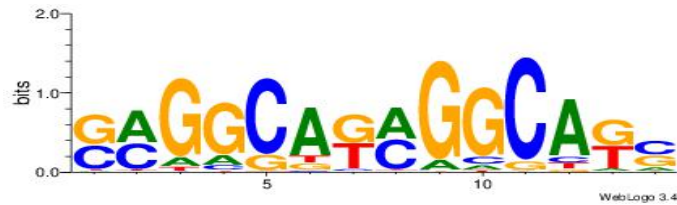
Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Dataset #: 1 **Motif ID: 60** **Motif name: C060**

Original motif
Consensus sequence: SMGGCAKMGGCAKS

Reverse complement motif
Consensus sequence: SYTGCCYYTGCCYS



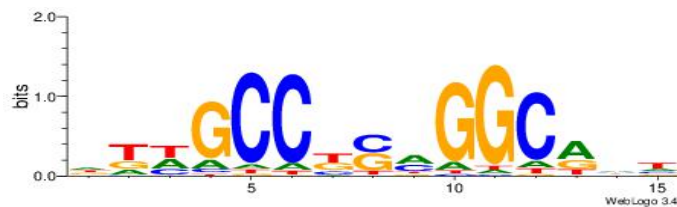
Best Matches for Motif ID 60 (Highest to Lowest)

Motif ID: [UP00010](#)
 Motif name: Tcfap2b_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0309254

Alignment:
 HHKGCCYSRGGCWAD
 SYTGCCYYTGCCYS-

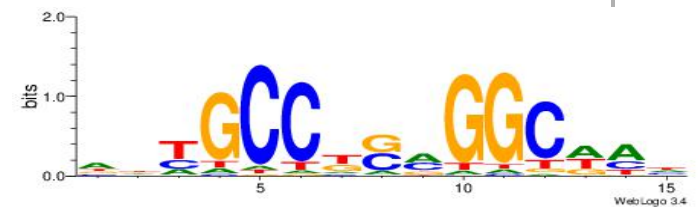
Original motif

Consensus sequence: DTWGCKSMGGCRHH



Reverse complement motif

Consensus sequence: HHKGCCYSRGGCWAD



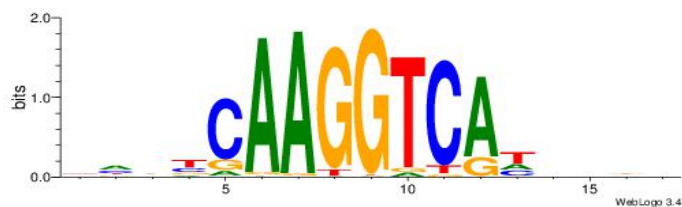
Motif ID: [UP00079](#)
 Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0349665

Alignment:

HHBVHTGACCTTGVDHD
 ---SYTGCCYYTGCCYS

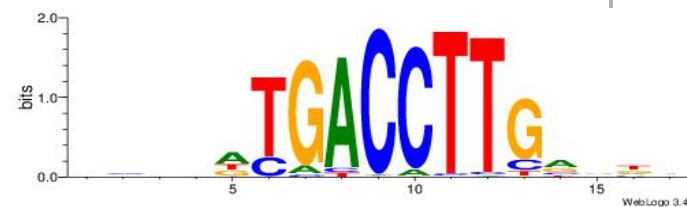
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD

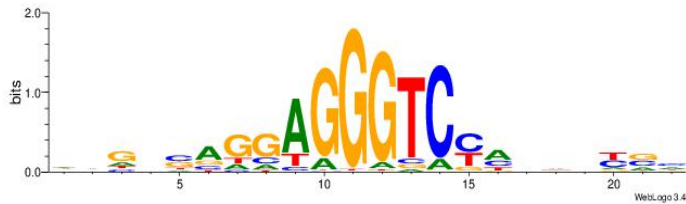


Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6

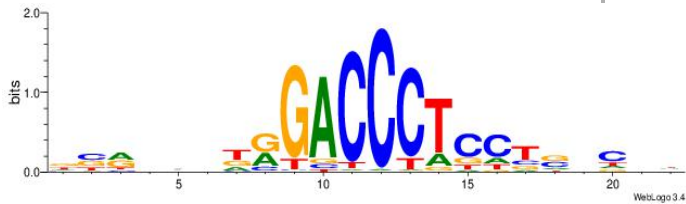
Number of overlap: 14
Similarity score: 0.0406726

Alignment:
DVMHHDHKGACCCTCCTSVCBH
-----SYTGCCYYTGCCYS---

Original motif
Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif
Consensus sequence: DVMHHDHKGACCCTCCTSVCBH

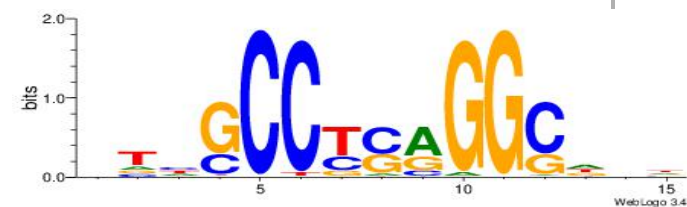
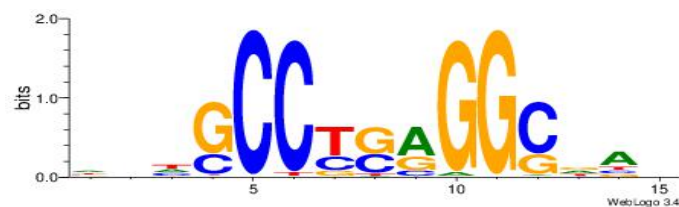


Motif ID: [UP00028](#)
Motif name: Tcfap2e_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0419455

Alignment:
DTHGCCTSAGGCHHH
SYTGCCYYTGCCYS-

Original motif
Consensus sequence: HHHGCCTSAGGCDAD

Reverse complement motif
Consensus sequence: DTHGCCTSAGGCHHH

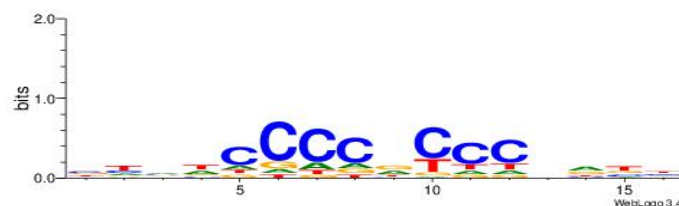


Motif ID: [UP00099](#)
 Motif name: Ascl2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0436588

Alignment:
 BHVDCCCCDCCCBDBH
 SYTGCCYYTGCCYS--

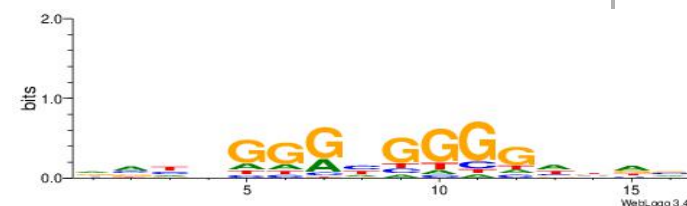
Original motif

Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif

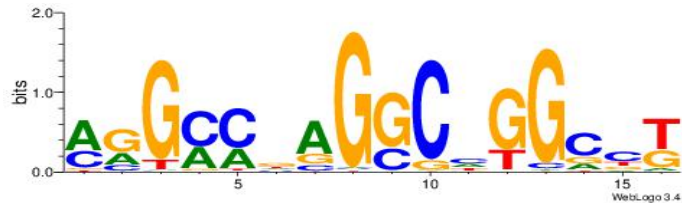
Consensus sequence: HVDVGGGHGGGGDBHB



Dataset #: 1 **Motif ID: 61** **Motif name: C061**

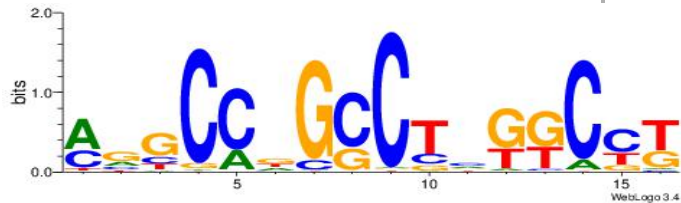
Original motif

Consensus sequence: MRGMMBAGGCHGGCCK



Reverse complement motif

Consensus sequence: RGGCCDGCCTBRRCMY



Best Matches for Motif ID 61 (Highest to Lowest)

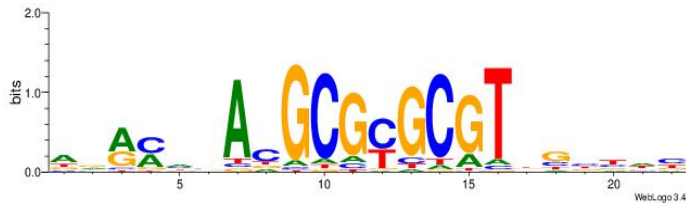
Motif ID:	UP00526
Motif name:	Foxn1_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	16
Similarity score:	0.0354983

Alignment:

DDRMHBACGCGYGCGTDGBBDB
MRGMMBAGGCHGGCCK-----

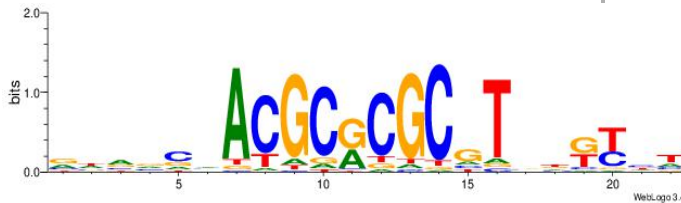
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



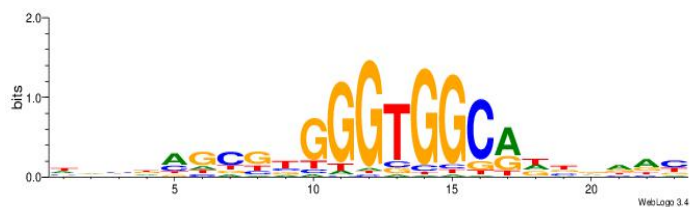
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 16
 Similarity score: 0.0371599

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 -----RGGCCDGCCTBRRCMY--

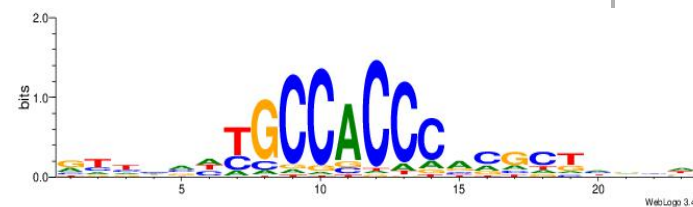
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



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

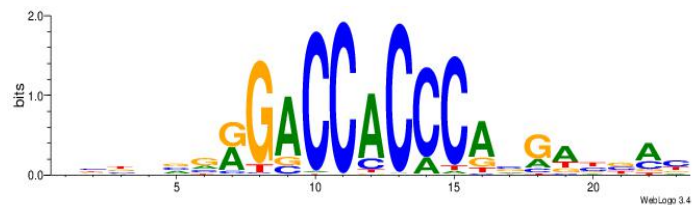
Number of overlap: 16
Similarity score: 0.0397188

Alignment:

BBBDVVRGACCACCCAVGABBAB
-----RGGCCDGCCTBRRCMY-

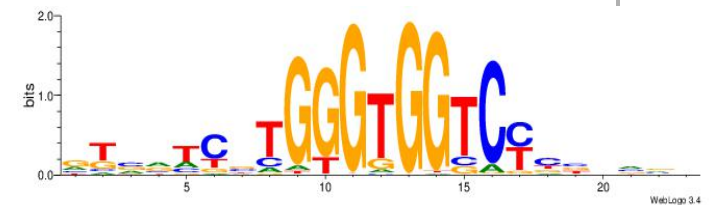
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCVTGGGTGGTCMVVDVBB



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: 8
Number of overlap: 16
Similarity score: 0.0410046

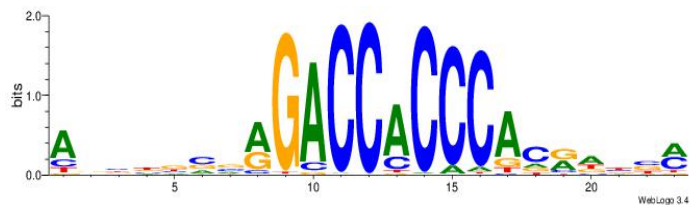
Alignment:

ABBBBVVRGACCACCCACRDBBM
-----RGGCCDGCCTBRRCMY

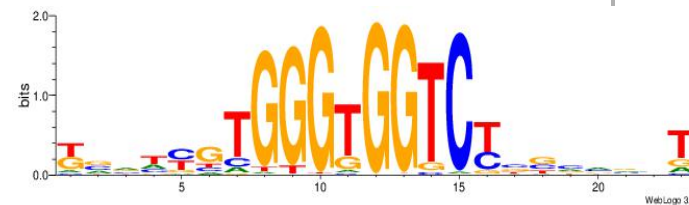
Original motif

Reverse complement motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Consensus sequence: YBVDMGTTGGGTGGTCKVVBVBBT



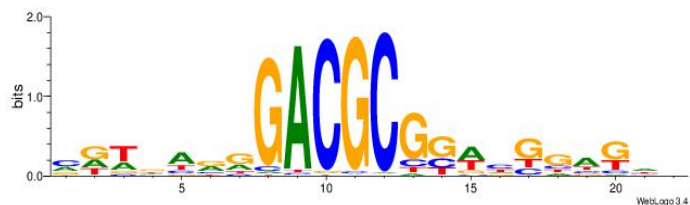
Motif ID: [UP00527](#)
Motif name: Foxn4_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 16
Similarity score: 0.0416624

Alignment:

```
VDWDARRGACGCGGWHGGAHV  
-----MRGMMBAGGCHGGCCK-
```

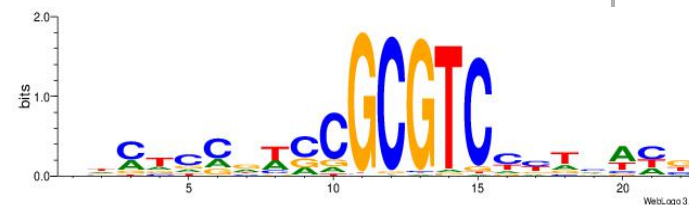
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAHV



Reverse complement motif

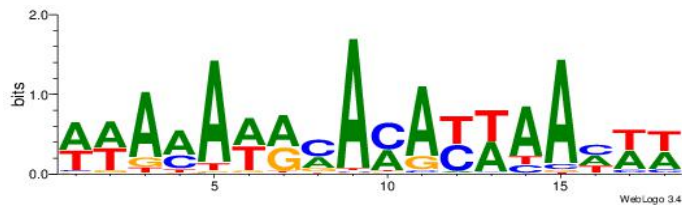
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Dataset #: 1 **Motif ID: 62** **Motif name: C062**

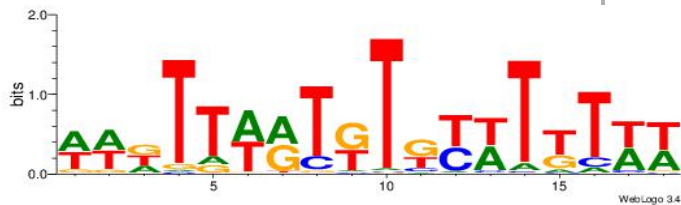
Original motif

Consensus sequence: WWAMAWRMAMAYWAAHWW



Reverse complement motif

Consensus sequence: WWDTTWMTRTRKWTYTWW



Best Matches for Motif ID 62 (Highest to Lowest)

Motif ID:	UP00034
Motif name:	Sox7_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	18
Similarity score:	0.0496099

Alignment:

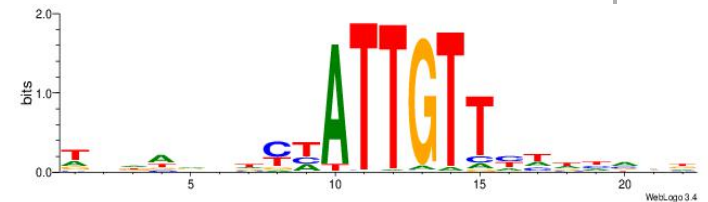
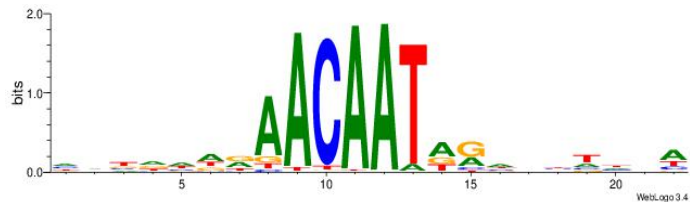
```
WBHHHHHMDATTGTTHDHDVHH
-WWDTTWMTRTRKWTYTWW---
```

Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW

Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH

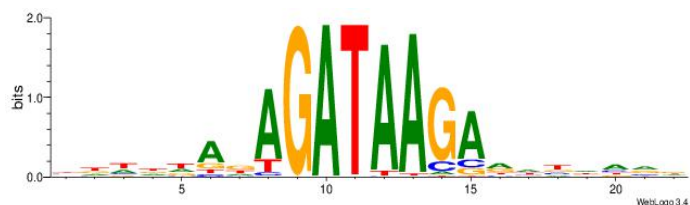


Motif ID: [UP00032](#)
 Motif name: Gata3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0618489

Alignment:
 HBHDVHDTCTTATCTHTDDHDV
 ---WWDTTWMTRTRKWTYTW-

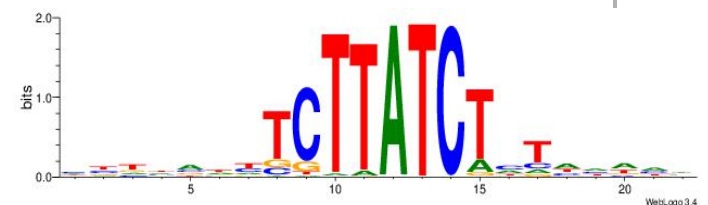
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



Motif ID: [UP00528](#)

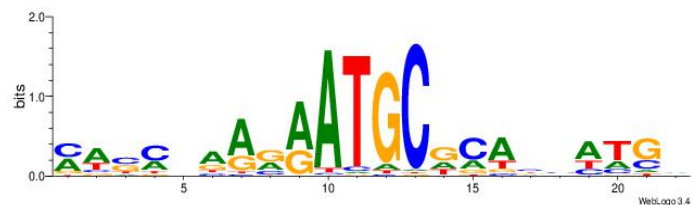
Motif name: Foxm1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0618699

Alignment:

MWSMBAARRATGCD CABHATGD
 -WWAMAWRMAMAYWAAHWW---

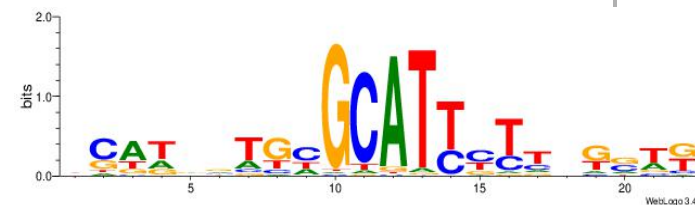
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR

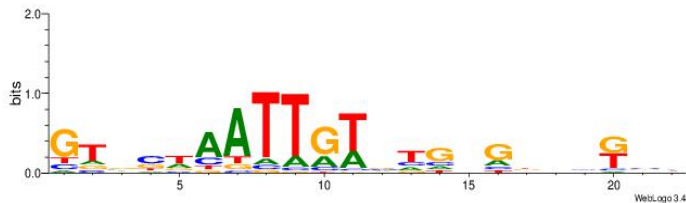


Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 18

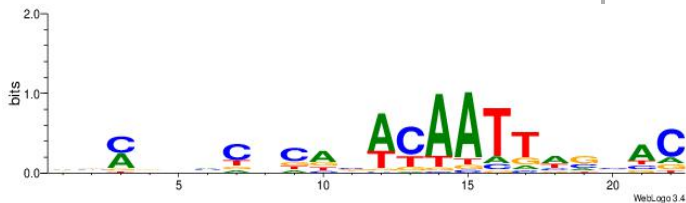
Similarity score: 0.0626028

Alignment:
VVYDDDCHCAVACAATTDBVAC
---WWAMAWRMAMAYWAAHWW-

Original motif
Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif
Consensus sequence: VVYDDDCHCAVACAATTDBVAC

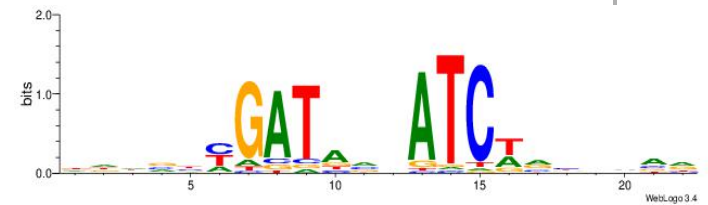
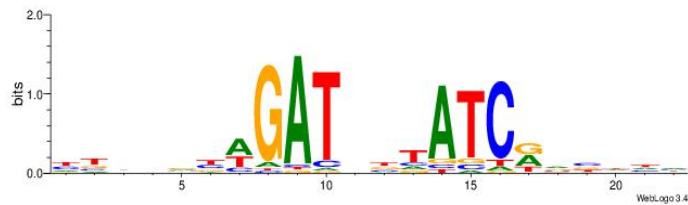


Motif ID: [UP00032](#)
Motif name: Gata3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 18
Similarity score: 0.065917

Alignment:
HHHBBMGATAVHATCWVVDHVH
---WWAMAWRMAMAYWAAHWW-

Original motif
Consensus sequence: HBHDVBWGATHBTATCRVBHHH

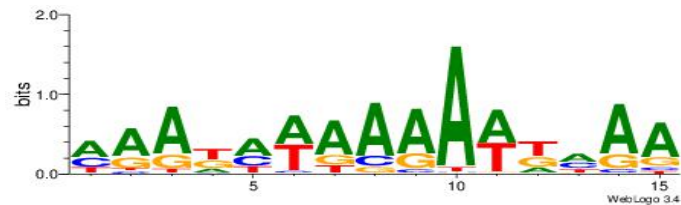
Reverse complement motif
Consensus sequence: HHHBBMGATAVHATCWVVDHVH



Dataset #: 1 **Motif ID: 63** **Motif name: C063**

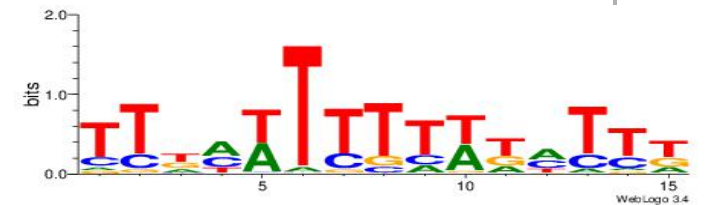
Original motif

Consensus sequence: MAAKMWAAAAWKHAA



Reverse complement motif

Consensus sequence: TTHRWT TTTTWYRTTY



Best Matches for Motif ID 63 (Highest to Lowest)

Motif ID:	UP00061
Motif name:	Foxl1_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	15
Similarity score:	0.0344456

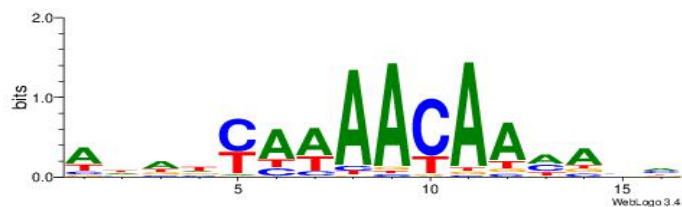
Alignment:

```

HDTYTTGTTWTKDDDT
TTHRWT TTTTWYRTTY-
  
```

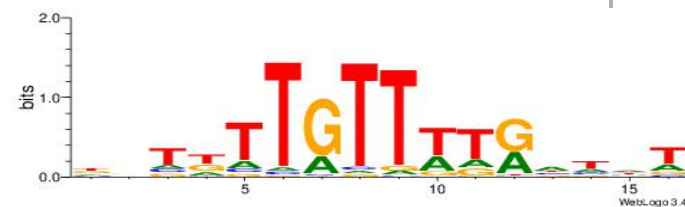
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



Motif ID:

[UP00039](#)

Motif name:

Foxj3_secondary

Species:

Mus musculus

Matching format of first motif:

Reverse Complement

Matching format of second motif:

Reverse Complement

Direction:

Forward

Position number:

1

Number of overlap:

15

Similarity score:

0.0345147

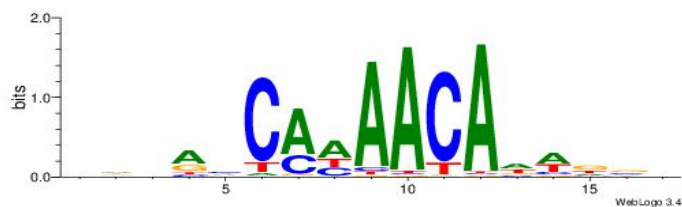
Alignment:

DVHWDTGTTWTGDTBDH

TTHRWT TTTWYRTTY--

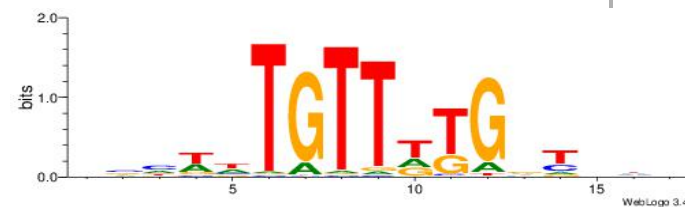
Original motif

Consensus sequence: HDBAHCAWAACADWDVD



Reverse complement motif

Consensus sequence: DVHWDTGTTWTGDTBDH



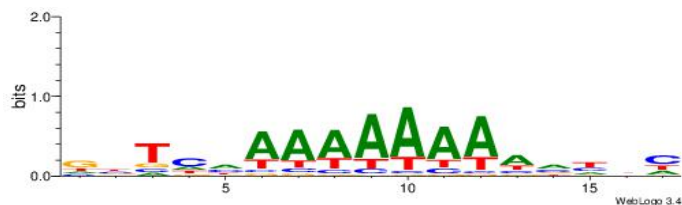
Motif ID: [UP00090](#)
Motif name: Elf3_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 15
Similarity score: 0.0355538

Alignment:

DDHBTTTTTTTTHDAVH
--TTHRWTTTTWYRTTY

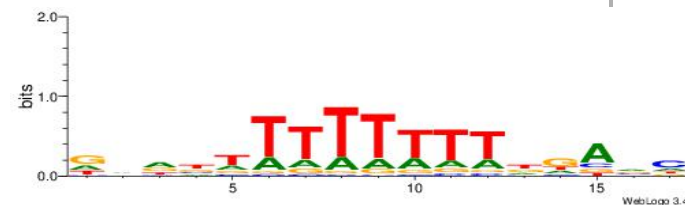
Original motif

Consensus sequence: DBTHHAAAAAAAAAVHDH



Reverse complement motif

Consensus sequence: DDHBTTTTTTTTHDAVH



Motif ID: [UP00255](#)
Motif name: Dbx1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward

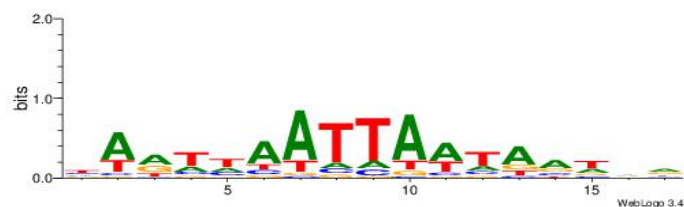
Position number: 1
Number of overlap: 15
Similarity score: 0.0356888

Alignment:

DHDBTAWTAATTHAKTH
--TTHRWT TTTWYRTTY

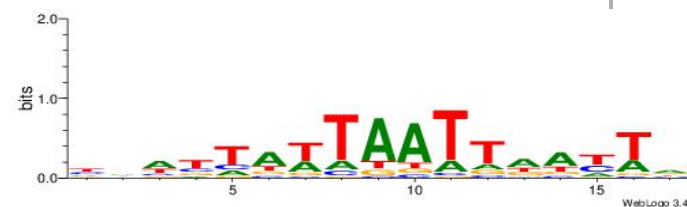
Original motif

Consensus sequence: HARTHAATTAWTAVDHD



Reverse complement motif

Consensus sequence: DHDBTAWTAATTHAKTH



Motif ID: [UP00213](#)
Motif name: Hoxa9
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: 15
Similarity score: 0.0367298

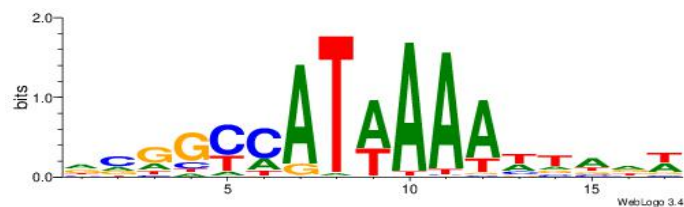
Alignment:

WDTAWTTTWATGKCCGD
TTHRWT TTTWYRTTY--

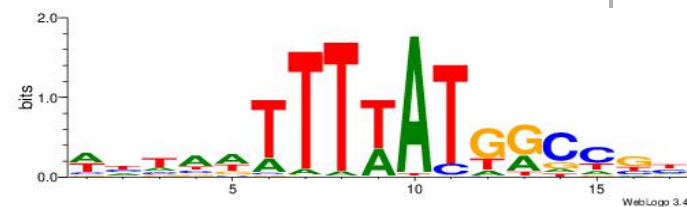
Original motif

Reverse complement motif

Consensus sequence: DCGGYCATWAAAWTADW



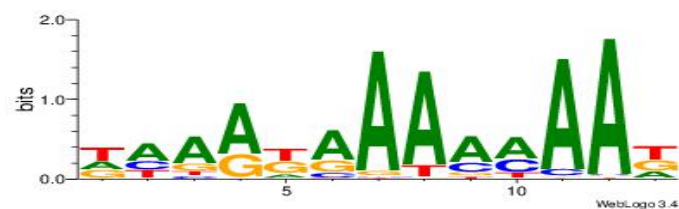
Consensus sequence: WDTAWTTTWATGKCCGD



Dataset #: 1 Motif ID: 64 Motif name: C064

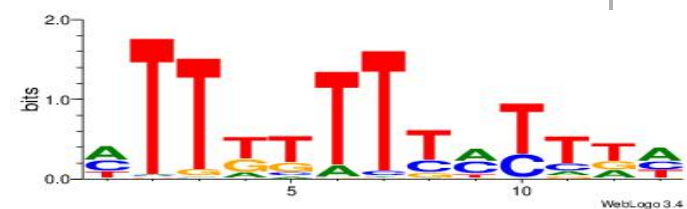
Original motif

Consensus sequence: DAAAKAAAAMAAK



Reverse complement motif

Consensus sequence: RTTYTTTTTRTTTD



Best Matches for Motif ID 64 (Highest to Lowest)

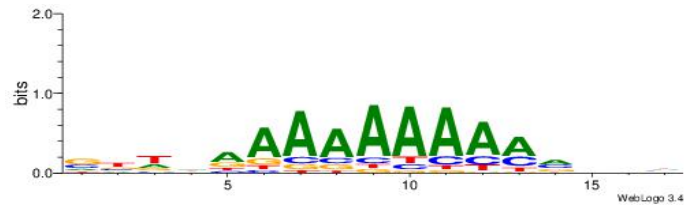
Motif ID:	UP00077
Motif name:	Srf_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	13
Similarity score:	0.0175156

Alignment:

HHVBYTTTTTTTTDDVV
--RTTYTTTTTRTTD--

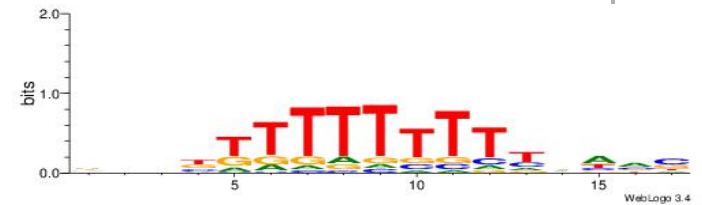
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDVV



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:	Forward
Position number:	1
Number of overlap:	13
Similarity score:	0.0210094

Alignment:

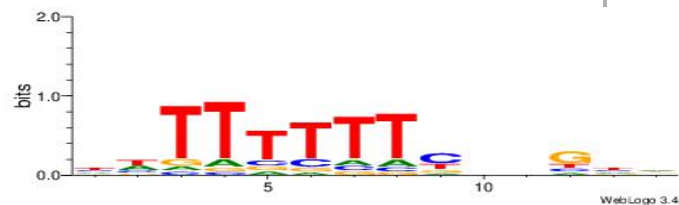
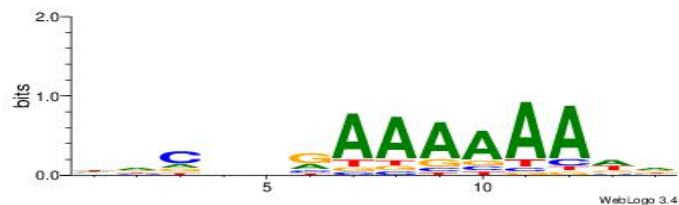
HDCDBRAAAAAADD
DAAAKAAAAMAAK-

Original motif

Consensus sequence: HDCDBRAAAAAADD

Reverse complement motif

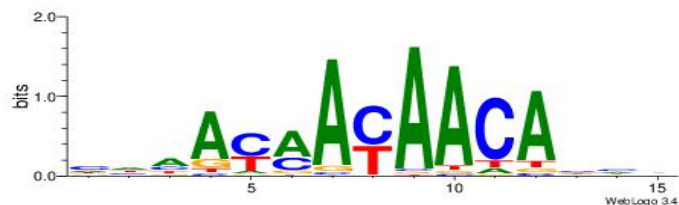
Consensus sequence: DDTTTTTTMBDGDH



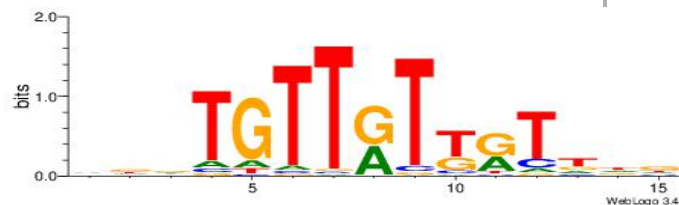
Motif ID: [UP00025](#)
 Motif name: Foxk1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.030589

Alignment:
 HDDTGTTKTTKTHHD
 --RTTYTTTTTRTTTD

Original motif
 Consensus sequence: HHHAYAAAYAACAHHH



Reverse complement motif
 Consensus sequence: HDDTGTTKTTKTHHD



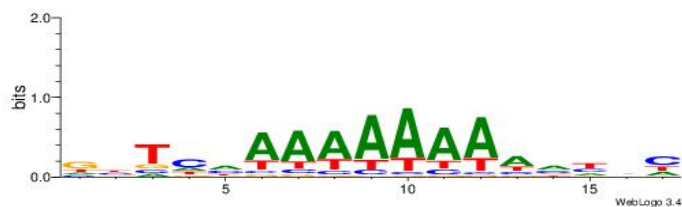
Motif ID: [UP00090](#)
 Motif name: Elf3_secondary

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: 13
 Similarity score: 0.0322312

Alignment:
 DDHBT TTT TTT THDAVH
 -RTTY TTT TRTTTD---

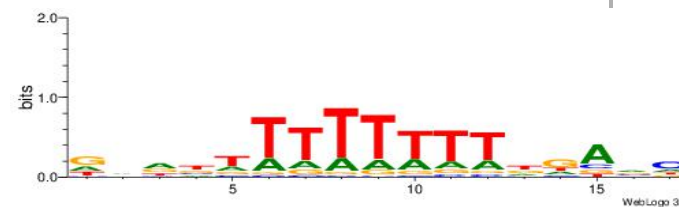
Original motif

Consensus sequence: DBTHHAAAAAAAAAVHDH



Reverse complement motif

Consensus sequence: DDHBT TTT TTT THDAVH



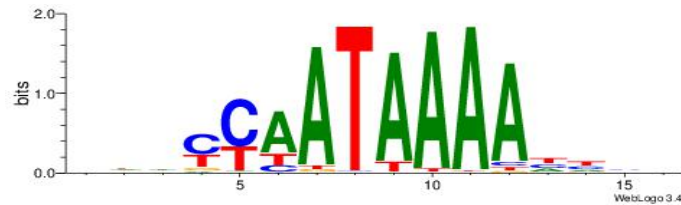
Motif ID: [UP00180](#)
 Motif name: Hoxd13
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0326524

Alignment:

```
HDHHTTTTATTKKHDD
---RTTYTTTTTRTTTD
```

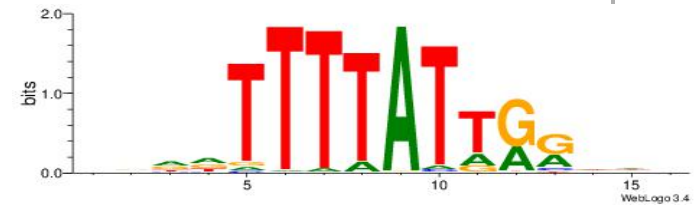
Original motif

Consensus sequence: HDHYAATAAAHHHH



Reverse complement motif

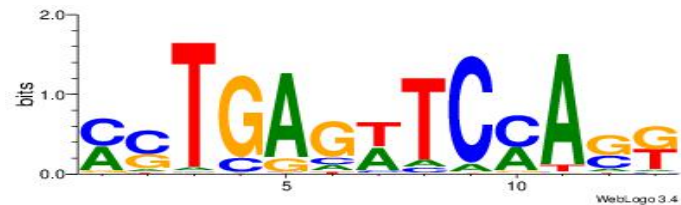
Consensus sequence: HDHHTTTTATTKKHDD



Dataset #: 1 **Motif ID: 65** **Motif name: C065**

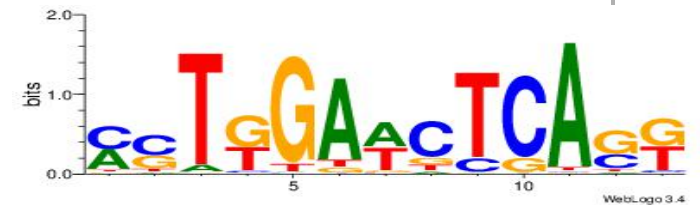
Original motif

Consensus sequence: MSTGAGWTCMASK



Reverse complement motif

Consensus sequence: YSTRGAWCTCASR



Best Matches for Motif ID 65 (Highest to Lowest)

Motif ID:	UP00080
Motif name:	Gata5_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: 13
Similarity score: 0.0144176

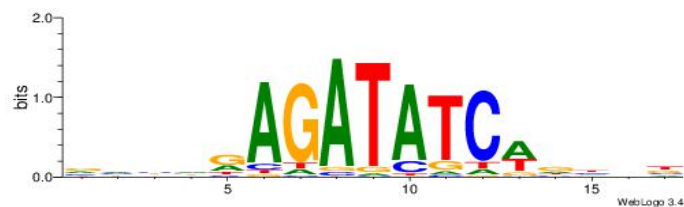
Alignment:

VVHHWGATATCTMHBBV

--MSTGAGWTCMASK--

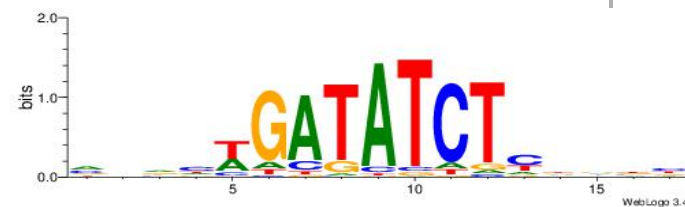
Original motif

Consensus sequence: VVBHRAGATATCWDHBB



Reverse complement motif

Consensus sequence: VVHHWGATATCTMHBBV



Motif ID: [UP00148](#)
Motif name: Hdx
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 13
Similarity score: 0.0160219

Alignment:

DDKDHGAAATCAHHBHV
-YSTRGAWCTCASR---

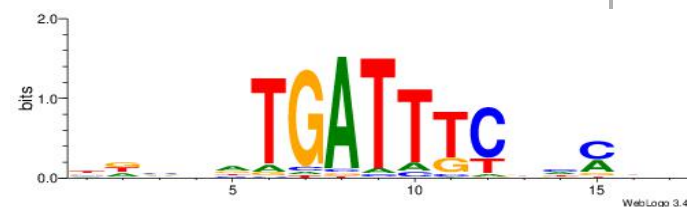
Original motif

Consensus sequence: DDKDHGAAATCAHHBHV



Reverse complement motif

Consensus sequence: BDBDHTGATTTCDHYDD



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:	13
Similarity score:	0.0188193

Alignment:

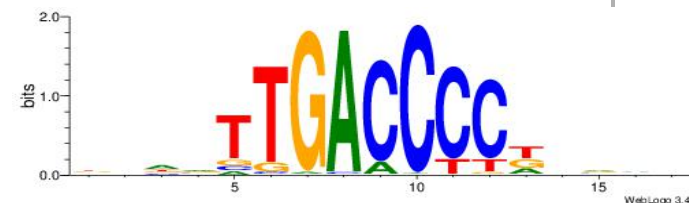
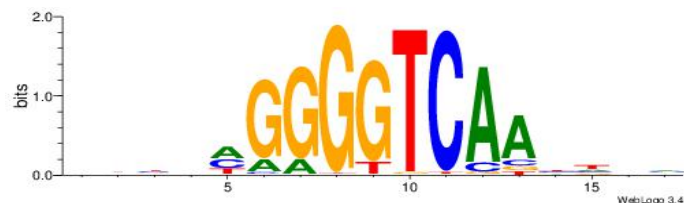
BDBVMGGGGTCAABHDV
--MSTGAGWTCMASK--

Original motif

Consensus sequence: BDBVMGGGGTCAABHDV

Reverse complement motif

Consensus sequence: BHHVTTGACCCCYVVD

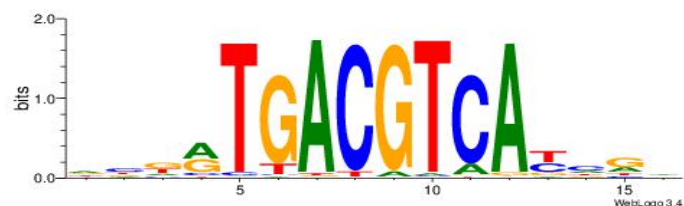


Motif ID: [UP00020](#)
 Motif name: Atf1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 13
 Similarity score: 0.0224584

Alignment:
 DMDMTGACGTCACHBD
 --MSTGAGWTCMASK--

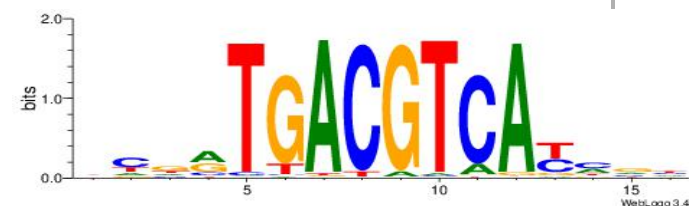
Original motif

Consensus sequence: DBDRTGACGTCAYHRD



Reverse complement motif

Consensus sequence: DMDMTGACGTCACHBD



Motif ID: [UP00054](#)

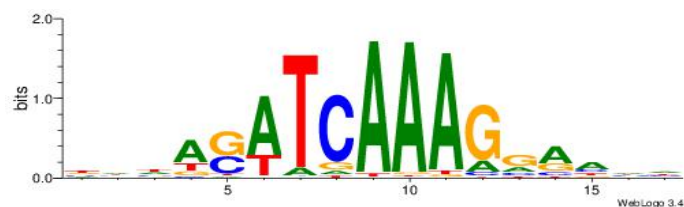
Motif name: Tcf7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 13
 Similarity score: 0.0232284

Alignment:

BHHASATCAAAGGAHHH
 YSTRGAWCTCASR----

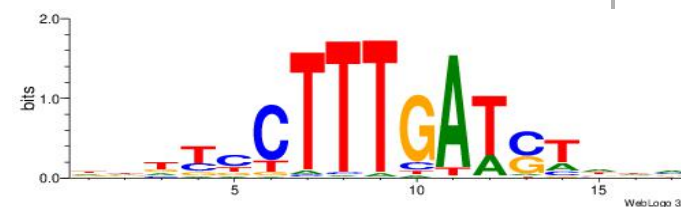
Original motif

Consensus sequence: BHHASATCAAAGGAHHH



Reverse complement motif

Consensus sequence: HHHTCCTTTGATSTHHV



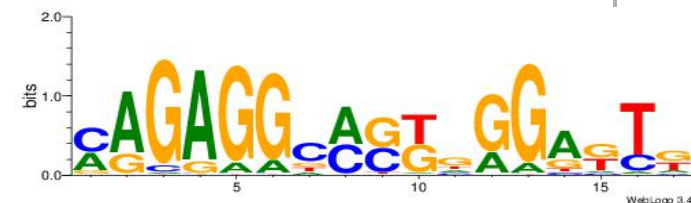
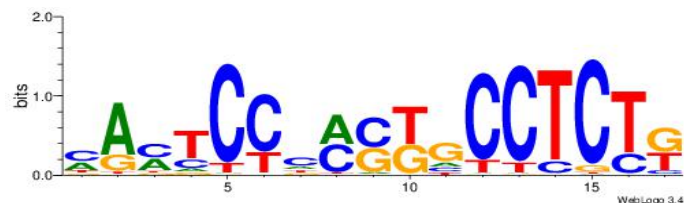
Dataset #: 1 Motif ID: 66 Motif name: C066

Original motif

Consensus sequence: MAMTCCCMSKGCCTCTK

Reverse complement motif

Consensus sequence: YAGAGGCRSYGGGARTR



Best Matches for Motif ID 66 (Highest to Lowest)

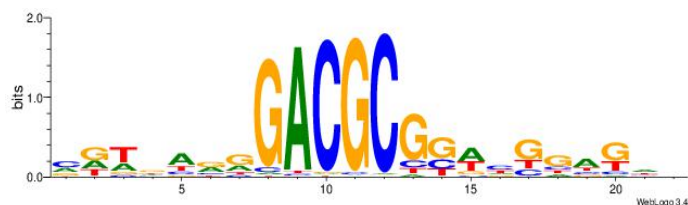
Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 17
 Similarity score: 0.03808

Alignment:

VDWDARRGACGCGGWHGGAKHV
 -----YAGAGGCRSYGGGARTR

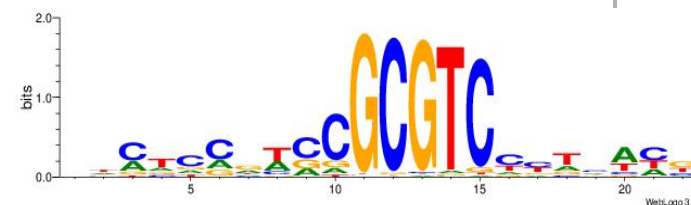
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



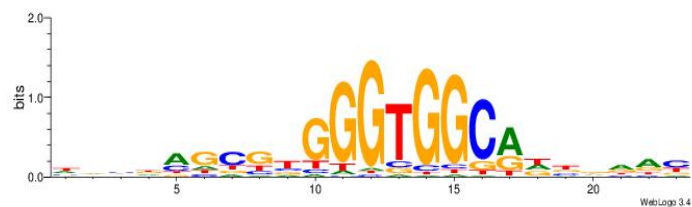
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 17
 Similarity score: 0.0499224

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
 ---YAGAGGCRSYGGGARTR---

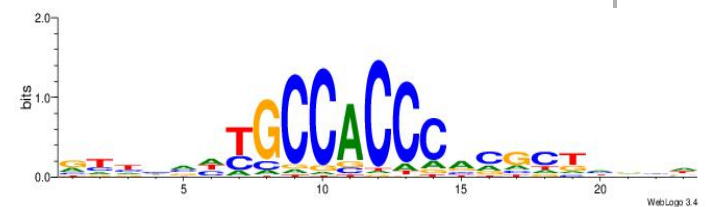
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID: [UP00033](#)
 Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1

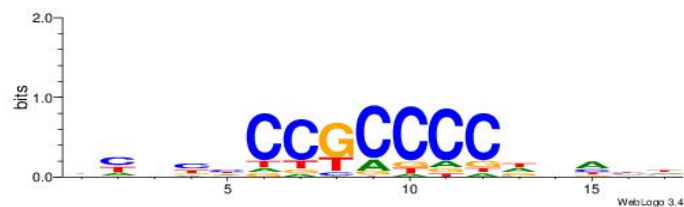
Number of overlap: 17
Similarity score: 0.0510562

Alignment:

HHHHDGGGGCGGDBHDV
YAGAGGCRSYGGGARTR

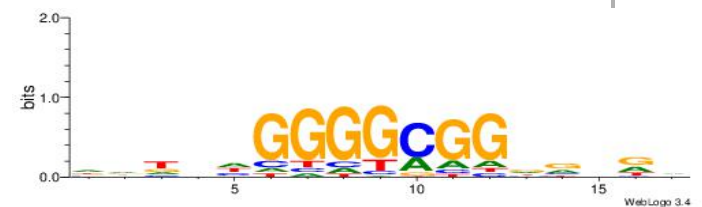
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



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: 4
Number of overlap: 17
Similarity score: 0.0517099

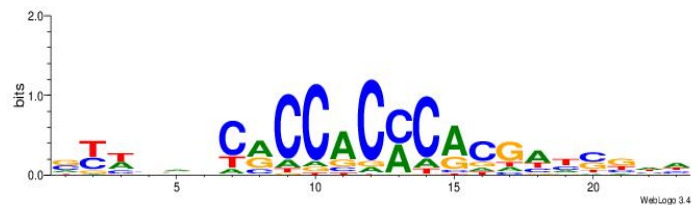
Alignment:

HHBSHTCGTGRGTGGKGDBVWMV
---YAGAGGCRSYGGGARTR---

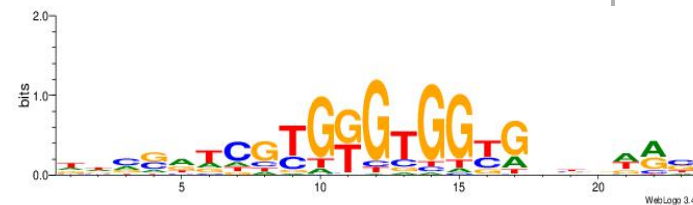
Original motif

Reverse complement motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



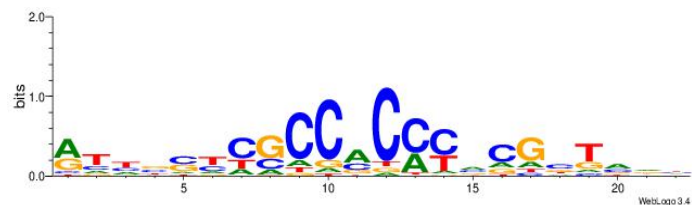
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 17
Similarity score: 0.0522208

Alignment:

HDBABCGBKRGYGGCGMSBHAK
--YAGAGGCRSYGGGARTR---

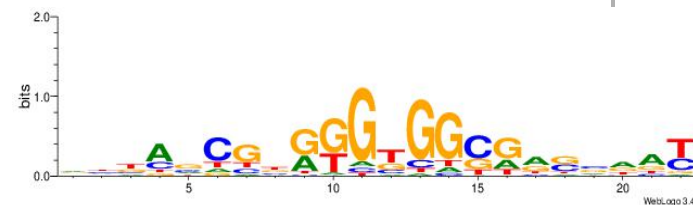
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

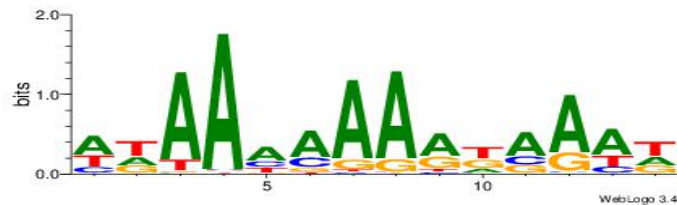
Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Dataset #: 1 **Motif ID: 67** **Motif name: C067**

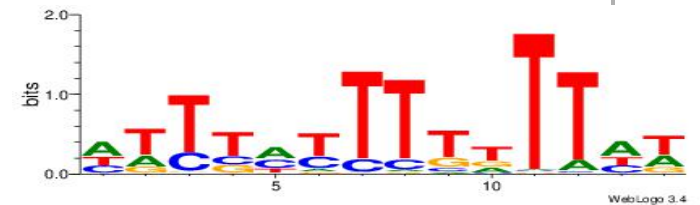
Original motif

Consensus sequence: WDAAAAAARKAAAD



Reverse complement motif

Consensus sequence: DTTTRKTTTTTTTDW



Best Matches for Motif ID 67 (Highest to Lowest)

Motif ID:	UP00077
Motif name:	Srf_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	14
Similarity score:	0.0232781

Alignment:

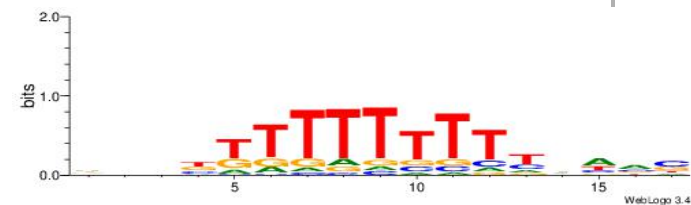
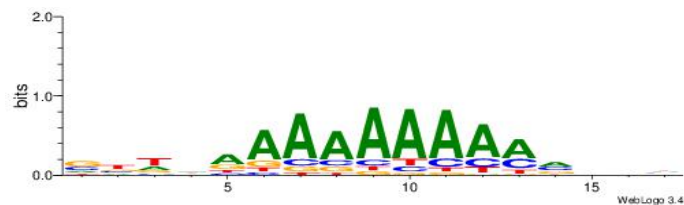
```
VBDDAAAAAAAMVBHH  
---WDAAAAAARKAAAD
```

Original motif

Consensus sequence: VBDDAAAAAAAMVBHH

Reverse complement motif

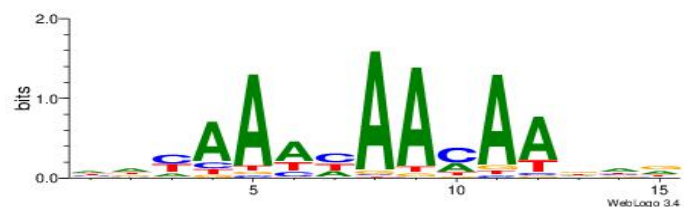
Consensus sequence: HHVBYTTTTTTTDDV



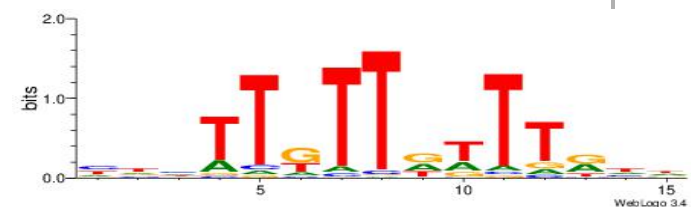
Motif ID: [UP00037](#)
 Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0263721

Alignment:
 HDYAAHAAMAADHD
 -WDAAAAARKAAAD

Original motif
 Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif
 Consensus sequence: HHHTRTTDTTTKDH



Motif ID: [UP00014](#)
 Motif name: Sox17_primary

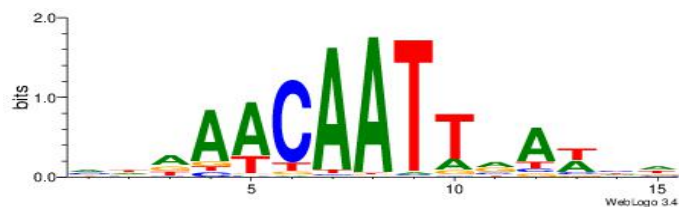
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0301541

Alignment:

DDWTBAATTGTTDDB
 -DTTTRKTTTTTDDW

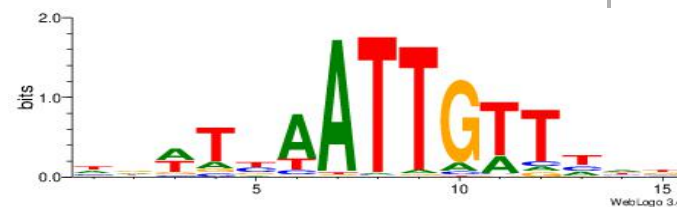
Original motif

Consensus sequence: VDDAACAATTVAWHD



Reverse complement motif

Consensus sequence: DDWTBAATTGTTDDB



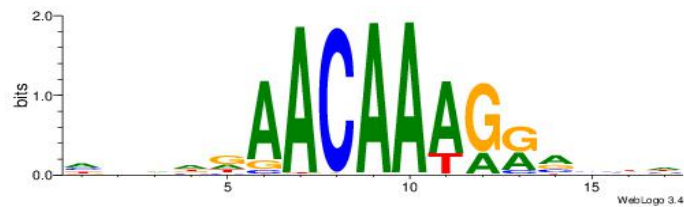
Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0307495

Alignment:

HBDDDAACAAAGRVBHH
---WDAAAAAARKAAAD

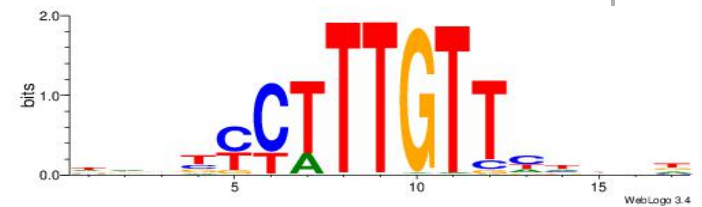
Original motif

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:	Forward
Position number:	4
Number of overlap:	14
Similarity score:	0.0312958

Alignment:

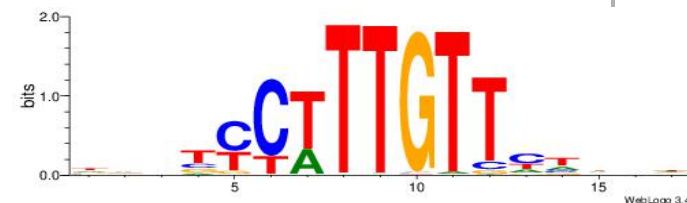
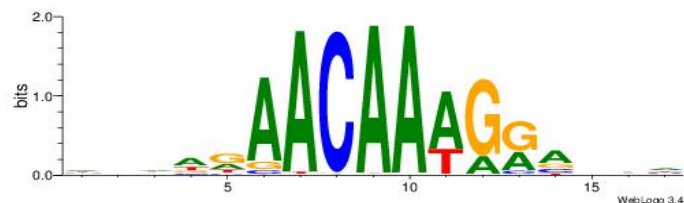
HBDDRAACAAAGRABHH
---WDAAAAAARKAAAD

Original motif

Consensus sequence: HBDDRAACAAAGRABHH

Reverse complement motif

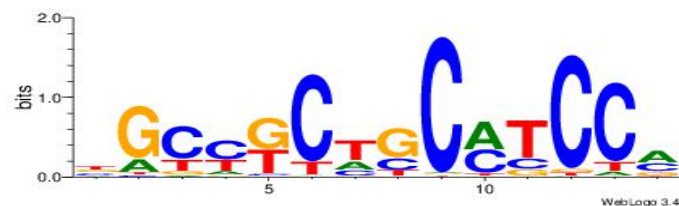
Consensus sequence: HHBTMCTTTGTTMDDVH



Dataset #: 1 Motif ID: 68 Motif name: C068

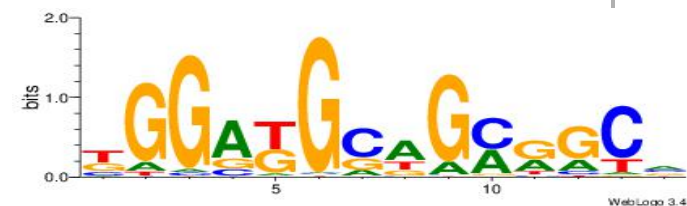
Original motif

Consensus sequence: BGCYKCTGCMTCCM



Reverse complement motif

Consensus sequence: YGGAYGCAGYKGCV



Best Matches for Motif ID 68 (Highest to Lowest)

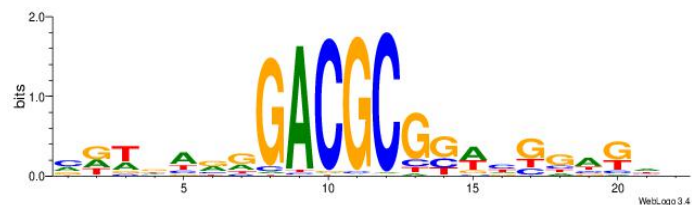
Motif ID:	UP00527
Motif name:	Foxn4_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	14
Similarity score:	0.0242069

Alignment:

VHYTCCDWCCGCGTCMMTHWHV
 ---BGCYKCTGCMTCCM-----

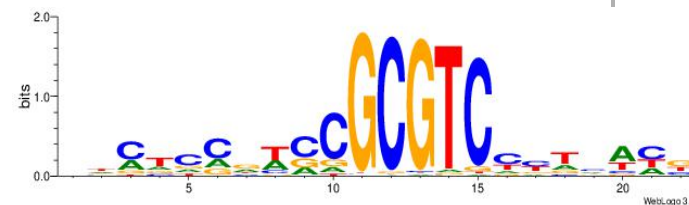
Original motif

Consensus sequence: VDW DARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



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:	4
Number of overlap:	14
Similarity score:	0.02581

Alignment:

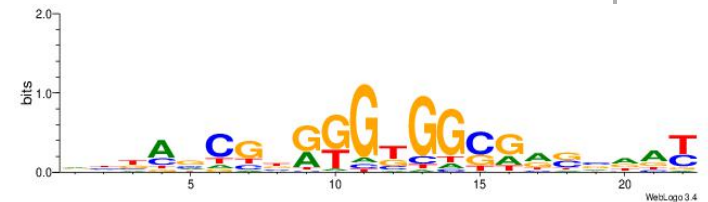
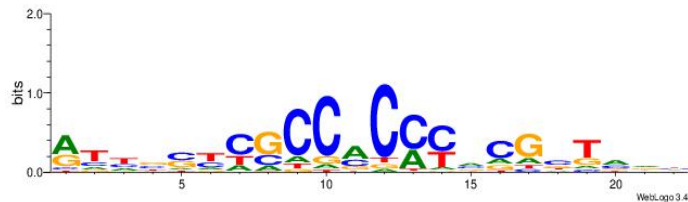
RTHBSYCGCCMCMYVCGBTVDH
 ---BGCYKCTGCMTCCM-----

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

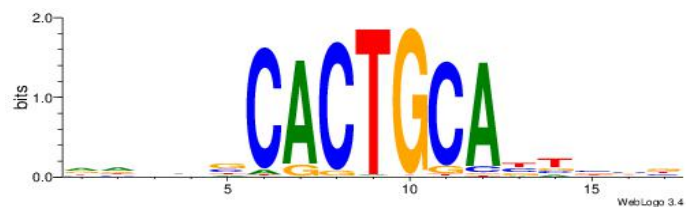


Motif ID: [UP00031](#)
 Motif name: Zbtb3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0294733

Alignment:
 BBBAVTGCAGTGBBVDD
 -YGGAYGCAGYKGCV--

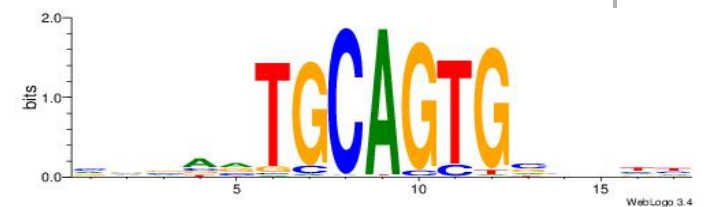
Original motif

Consensus sequence: DDBBBCACTGCABTBBB



Reverse complement motif

Consensus sequence: BBBAVTGCAGTGBBVDD



Motif ID: [UP00538](#)

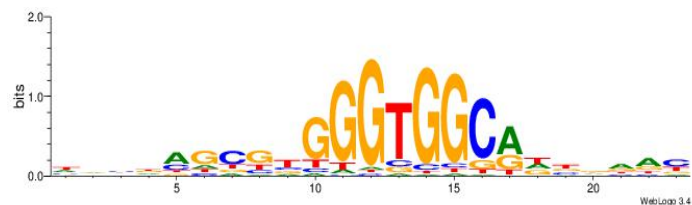
Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 10
 Number of overlap: 14
 Similarity score: 0.0297174

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 BGCYKCTGCMTCM-----

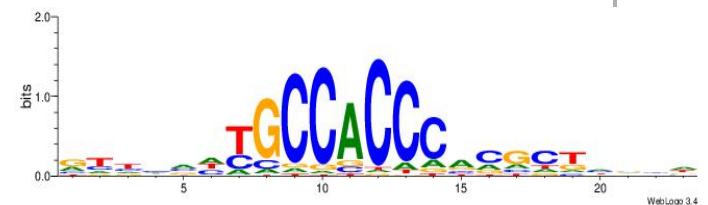
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



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: 1
 Number of overlap: 14
 Similarity score: 0.0300511

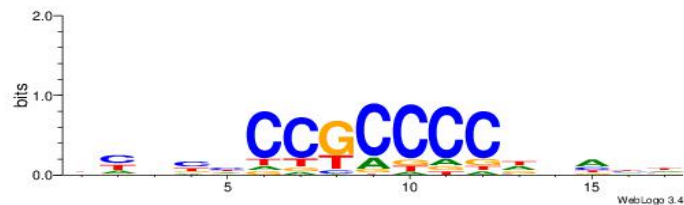
Alignment:

BHHBHCCGCCCCDHHHH

BGCKYKCTGCMTCM---

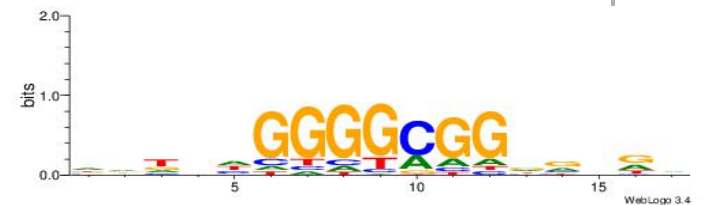
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHVD



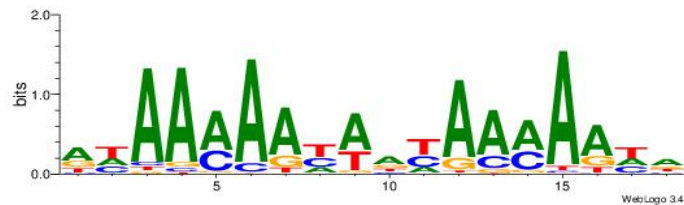
Dataset #: 1

Motif ID: 69

Motif name: C069

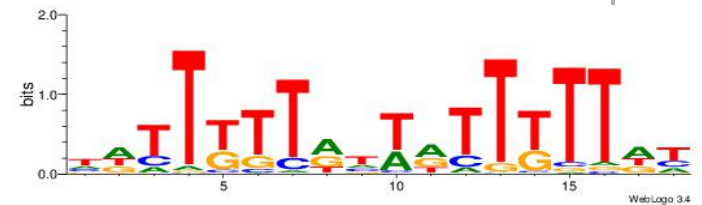
Original motif

Consensus sequence: AHAAMAAYWDYAAMAAHD



Reverse complement motif

Consensus sequence: DHTTYTMDWMTTYTTH



Best Matches for Motif ID 69 (Highest to Lowest)

Motif ID:	UP00034
Motif name:	Sox7_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif

Direction: Backward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0547241

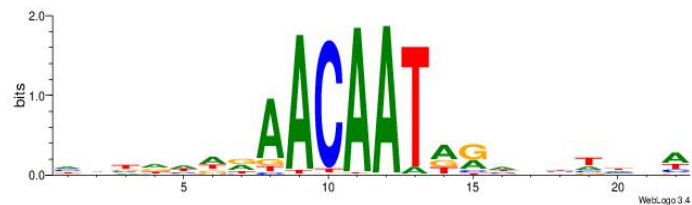
Alignment:

HHBDHDDAACAATDRHHHHHBW

--AHAAMAAYWDYAAMAHD--

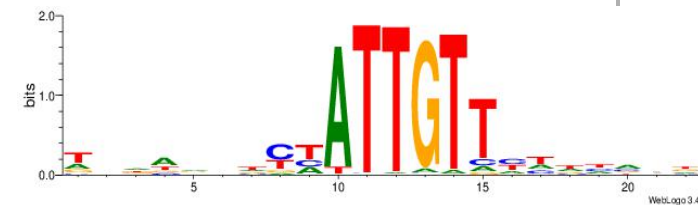
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



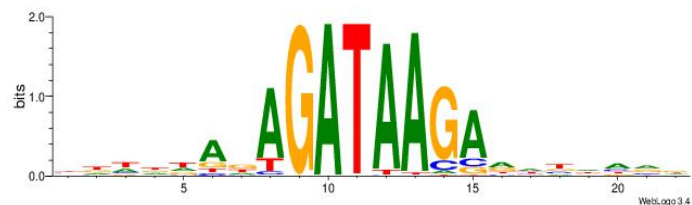
Motif ID: [UP00032](#)
 Motif name: Gata3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0556229

Alignment:

HBHDVHDTCTTATCTHTDDHDV
-DHTTYTTMDWMTTYTHT---

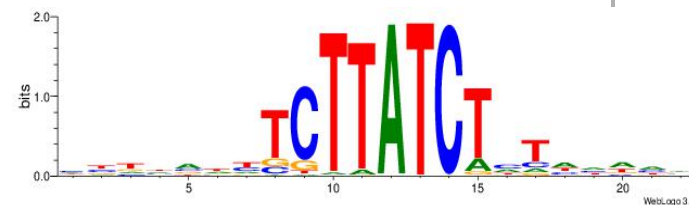
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



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:	18
Similarity score:	0.0564427

Alignment:

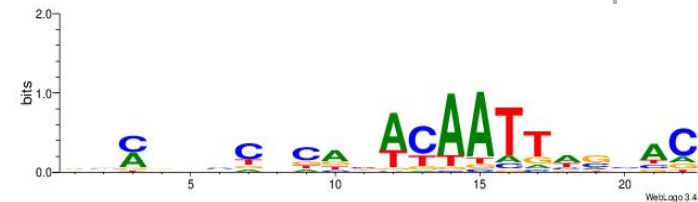
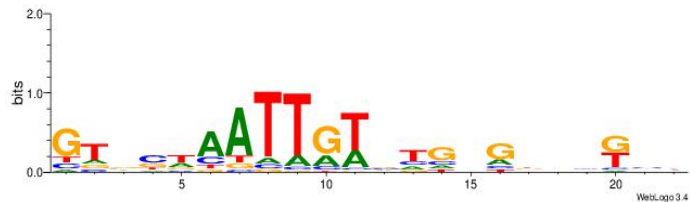
VVYDDDCHCAVACAATTDBVAC
AHAAMAAAYWDYAAMAAHD----

Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB

Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC

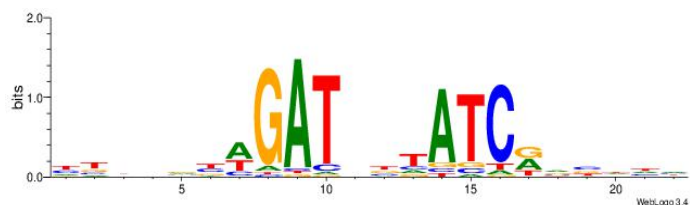


Motif ID: [UP00032](#)
 Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.058939

Alignment:
 HHHBBMGATAVHATCWVVDHVVH
 -AHAAMAAYWDYAAMAAHD---

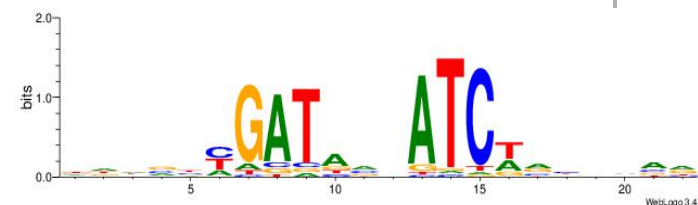
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVVH

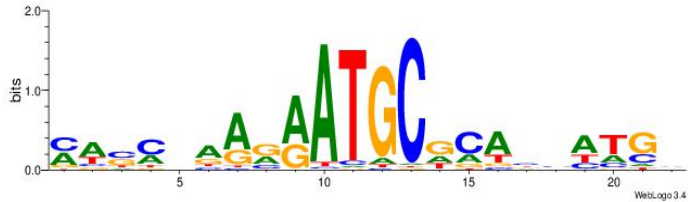


Motif ID: [UP00528](#)

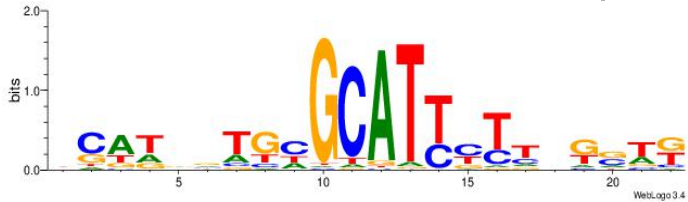
Motif name: Foxm1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 18
Similarity score: 0.064465

Alignment:
DCATDBTGHGCATKMTTBRSWR
-DHTTYTTMDWMTTYTTHT---

Original motif
Consensus sequence: MWSMBAARRATGCD CABHATGD



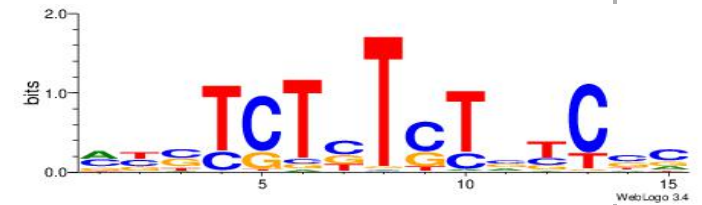
Reverse complement motif
Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Dataset #: 1 Motif ID: 70 Motif name: C070

Original motif
Consensus sequence: GVGABAGAVAGASVK

Reverse complement motif
Consensus sequence: RBSTCTVTCTBTCVC



Best Matches for Motif ID 70 (Highest to Lowest)

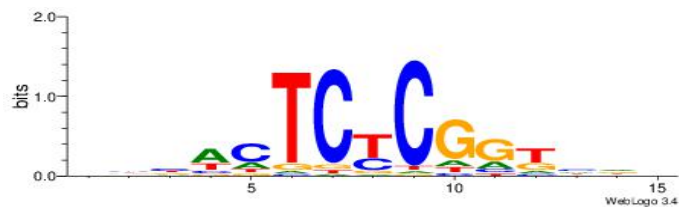
Motif ID: [>UP00011](#)
 Motif name: Irf6_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0371635

Alignment:

VBBACTCYCGGKHDV
 RBSTCTVTCTBTCVC

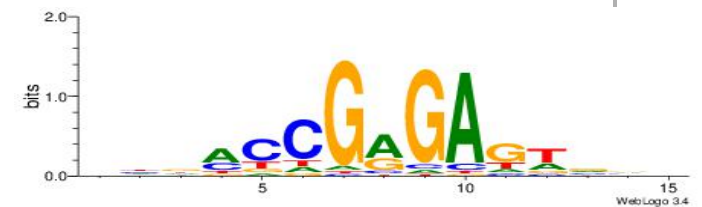
Original motif

Consensus sequence: VBBACTCYCGGKHDV



Reverse complement motif

Consensus sequence: VDDRCCGMGAGTBBB



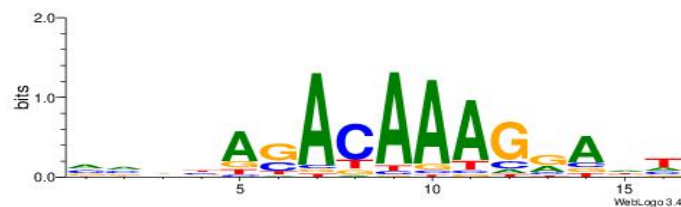
Motif ID: [UP00101](#)
 Motif name: Sox12_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0394179

Alignment:

VVDBASACAAAGRADH
 -GVGABAGAVAGASVK

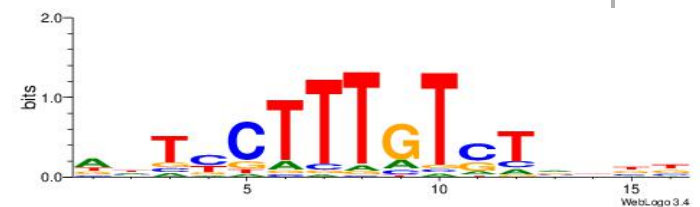
Original motif

Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB

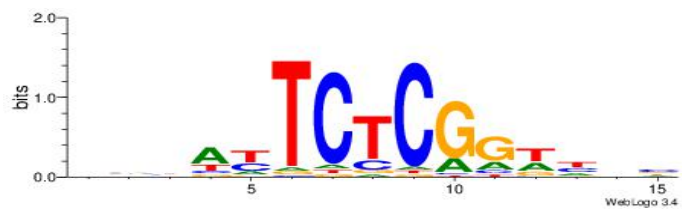


Motif ID: [UP00018](#)
 Motif name: Irf4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1

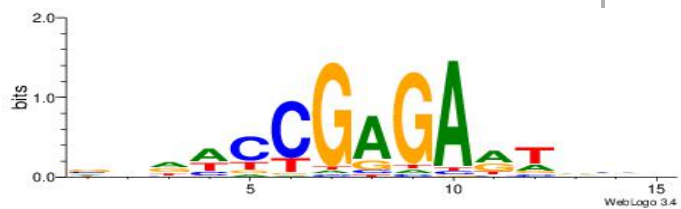
Number of overlap: 15
Similarity score: 0.0452113

Alignment:
VVBAYTCTCGGWHDB
RBSTCTVTCTBTCVC

Original motif
Consensus sequence: VVBAYTCTCGGWHDB



Reverse complement motif
Consensus sequence: BHHWCCGAGAMTVVB



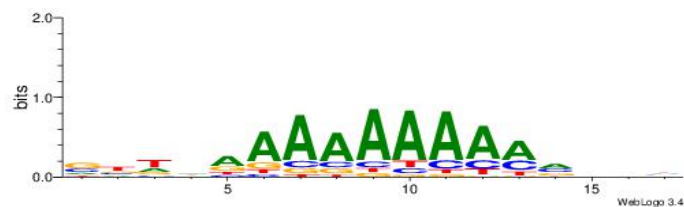
Motif ID: [UP00077](#)
Motif name: Srf_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 15
Similarity score: 0.0480451

Alignment:
VBDDAAAAAAAAAMVBHH
GVGABAGAVAGASVK--

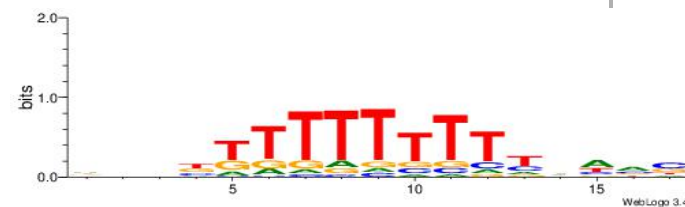
Original motif

Reverse complement motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Consensus sequence: HHVBYTTTTTTTTTDDVV



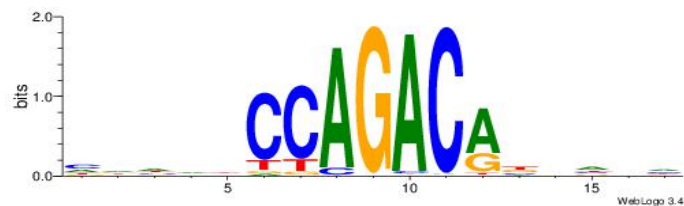
Motif ID: [UP00000](#)
Motif name: Smad3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 15
Similarity score: 0.0486114

Alignment:

HVHBVTGTCTGGDDHDD
--RBSCTCTCTBTCVC

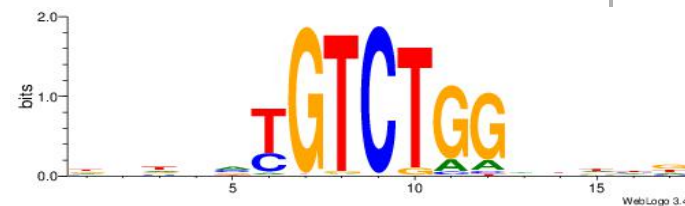
Original motif

Consensus sequence: HDHDDCCAGACABBHVH



Reverse complement motif

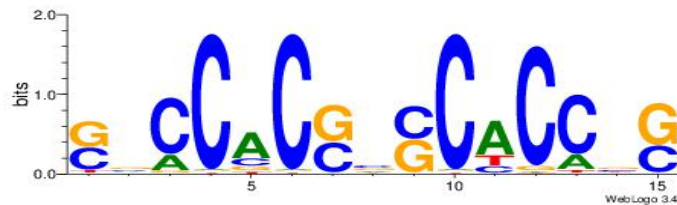
Consensus sequence: HVHBVTGTCTGGDDHDD



Dataset #: 1 **Motif ID: 71** **Motif name: C071**

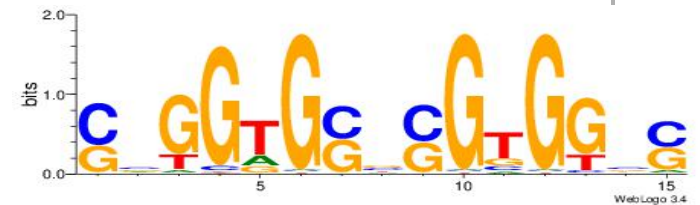
Original motif

Consensus sequence: SVCCACSVSCACCBS



Reverse complement motif

Consensus sequence: SBGGTGSVSGTGGVS



Best Matches for Motif ID 71 (Highest to Lowest)

Motif ID:	UP00022
Motif name:	Zfp740_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	15
Similarity score:	0.0205519

Alignment:

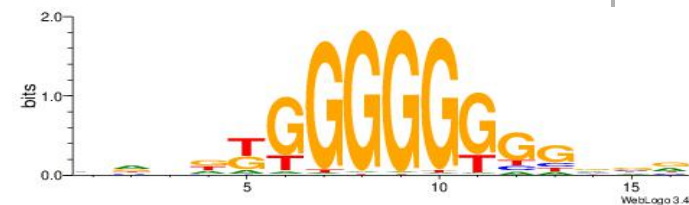
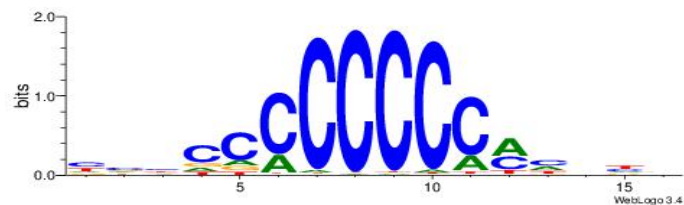
HVBCCCCCCCCMHHHB
-SVCCACSVSCACCBS

Original motif

Consensus sequence: HVBCCCCCCCCMHHHB

Reverse complement motif

Consensus sequence: BHHDYGGGGGGGBVD

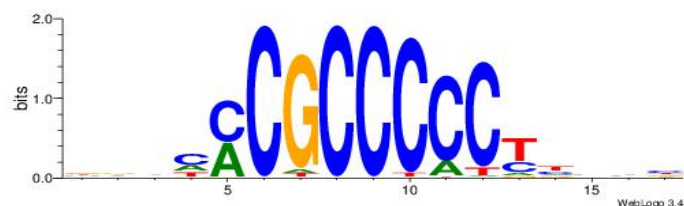


Motif ID: [UP00002](#)
 Motif name: Sp4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 15
 Similarity score: 0.020698

Alignment:
 BDHMCgCCCCCTHVBB
 SVCCACSVSCACCBS--

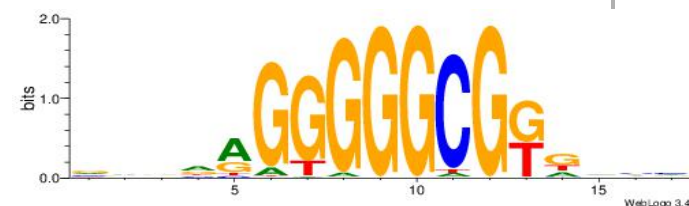
Original motif

Consensus sequence: BDHMCgCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



Motif ID: [UP00539](#)

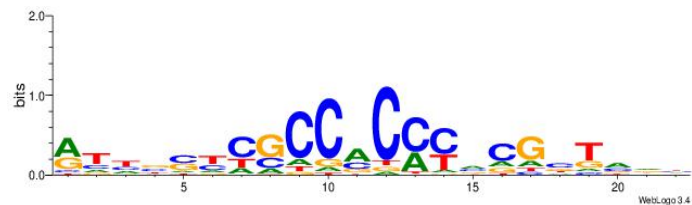
Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0211186

Alignment:

HDBABCGBKRGYGGCGMSBHAK
 -SBGGTGSVSGTGGVS-----

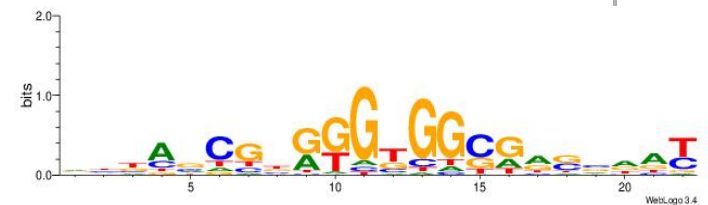
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

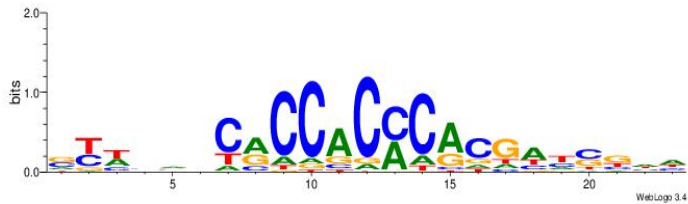


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 15

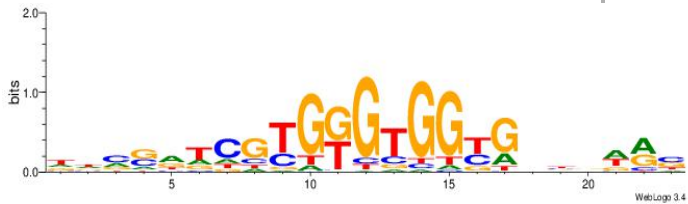
Similarity score: 0.022472

Alignment:
VYWVVHCRCCACMCACGAHSBHH
-----SVCCACSVSCACCBS--

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

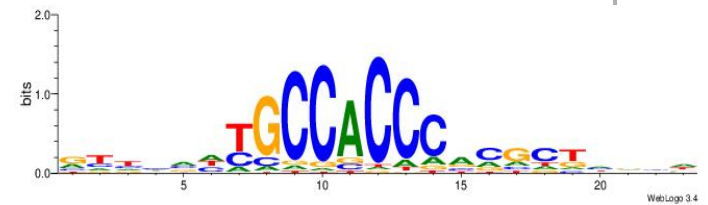
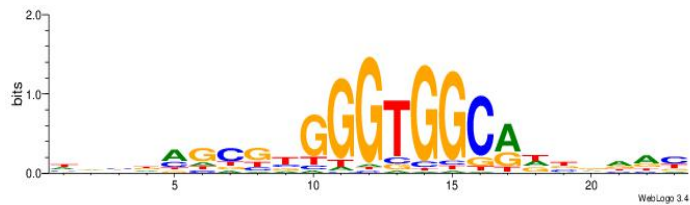


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 7
Number of overlap: 15
Similarity score: 0.0250115

Alignment:
BDDHVDKGCCACCCVCGCTDBVH
-----SVCCACSVSCACCBS--

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

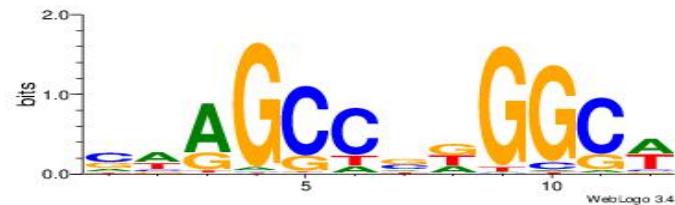
Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Dataset #: 1 Motif ID: 72 Motif name: C072

Original motif

Consensus sequence: SWAGCCVDGGCW



Reverse complement motif

Consensus sequence: WGCCHVGGCTWS



Best Matches for Motif ID 72 (Highest to Lowest)

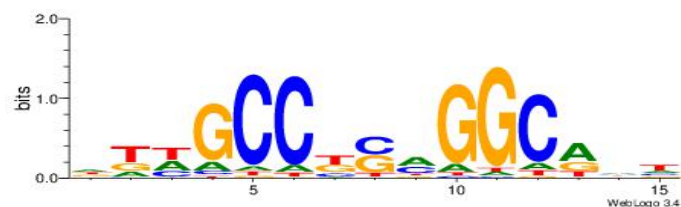
Motif ID:	UP00010
Motif name:	Tcfap2b_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	12
Similarity score:	0.00558864

Alignment:

HHKGCCYSRGGCWAD
-SWAGCCVDGGCW--

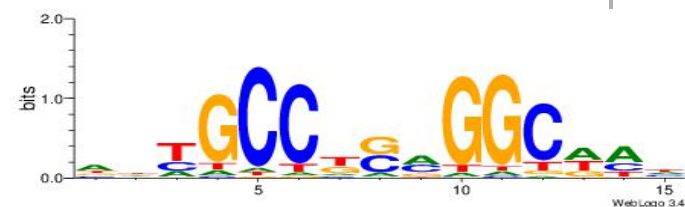
Original motif

Consensus sequence: DTWGCKSMGGCRHH



Reverse complement motif

Consensus sequence: HHKGCCYSRGGCWAD



Motif ID:	UP00002
Motif name:	Sp4_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	12
Similarity score:	0.00743548

Alignment:

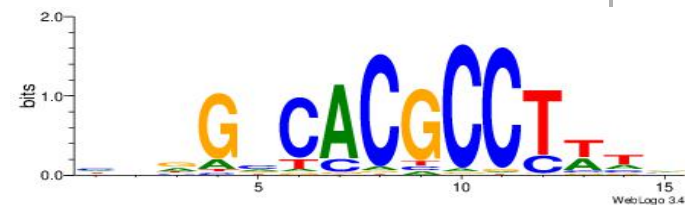
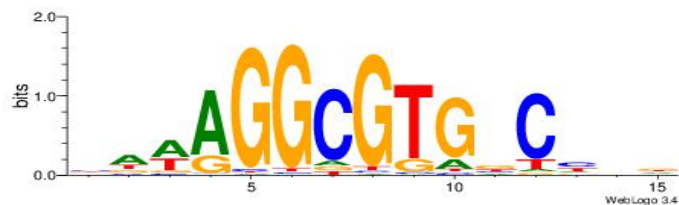
BDWAGGCGTGBCHHD
-SWAGCCVDGGCW--

Original motif

Consensus sequence: BDWAGGCGTGBCHHD

Reverse complement motif

Consensus sequence: HDDGBCACGCCTWDB

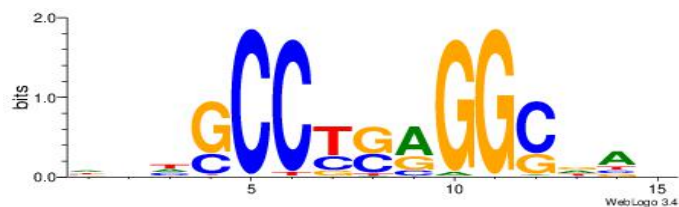


Motif ID: [UP00028](#)
 Motif name: Tcfap2e_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0141542

Alignment:
 HHHGCCTSAGGCDAD
 -SWAGCCVDGGCW--

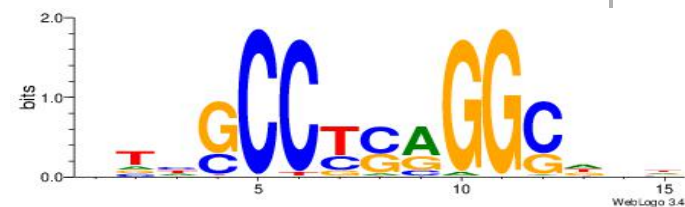
Original motif

Consensus sequence: HHHGCCTSAGGCDAD



Reverse complement motif

Consensus sequence: DTHGCCTSAGGCHHH



Motif ID: [UP00087](#)

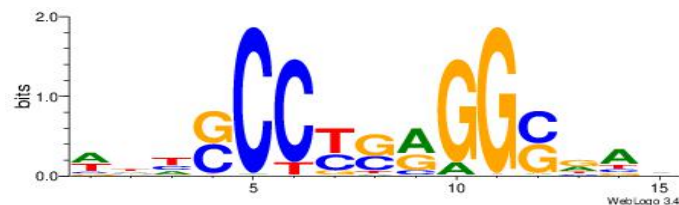
Motif name: Tcfap2c_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0187577

Alignment:

WHHSCCYSRGGSDAD
 --WGCCHVGGCTWS-

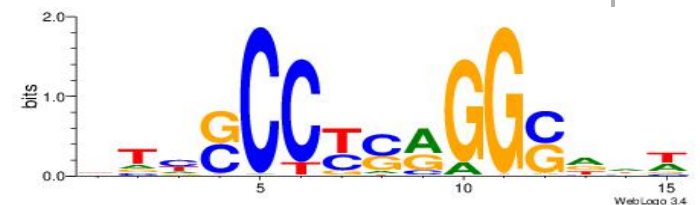
Original motif

Consensus sequence: WHHSCCYSRGGSDAD



Reverse complement motif

Consensus sequence: DTHSCCKSMGGSHHW

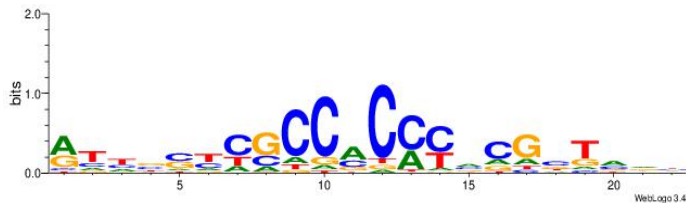


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12

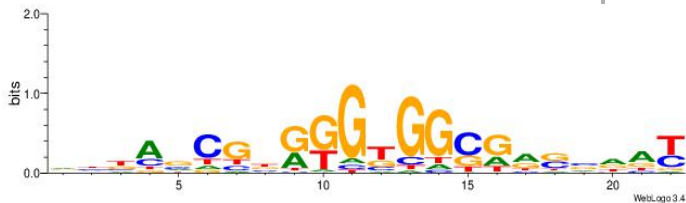
Similarity score: 0.0187696

Alignment:
HDBABCGBKRGYGGCGMSBHAK
-SWAGCCVDGGCW-----

Original motif
Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

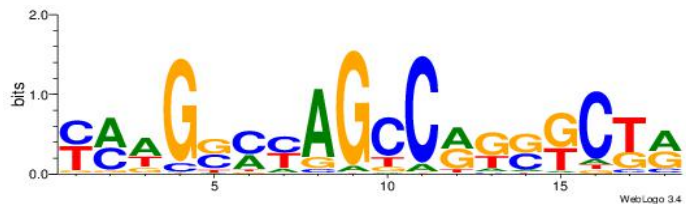


Reverse complement motif
Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

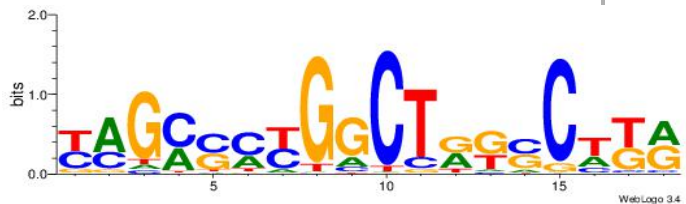


Dataset #: 1 Motif ID: 73 Motif name: C073

Original motif
Consensus sequence: YMWGSMYAGCCRKSKCTR



Reverse complement motif
Consensus sequence: KAGYSYKGGCTKRSCWYK



Best Matches for Motif ID 73 (Highest to Lowest)

Motif ID: [UP00538](#)
Motif name: Gli1_v016060_primary
Species: Mus musculus
Matching format of first motif: Original Motif

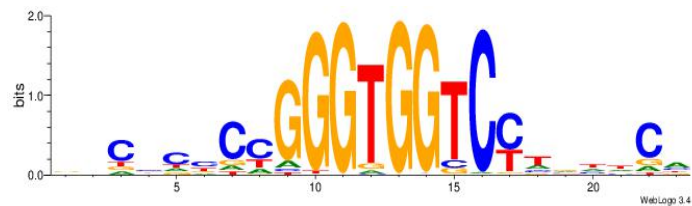
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	18
Similarity score:	0.0271167

Alignment:

```
HGDHVVHKGACCACCCGGBGBGDB
----YMWGSMYAGCCRKSKCTR--
```

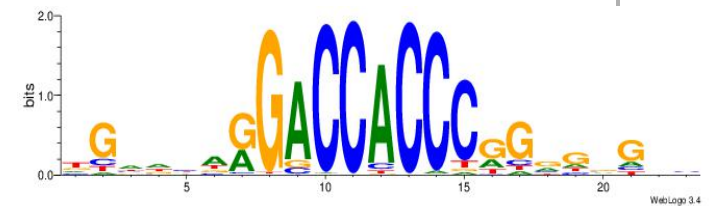
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif

Consensus sequence: HGDHVVHKGACCACCCGGBGBGDB



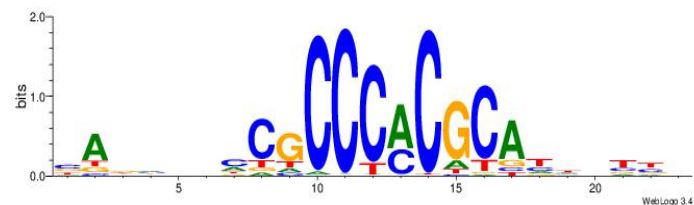
Motif ID:	UP00400
Motif name:	Zif268
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	6
Number of overlap:	18
Similarity score:	0.0280669

Alignment:

VVVDHHTGCGYGGGCGDHHVHHTB
 -----KAGYSYKGGCTKRSCWYK

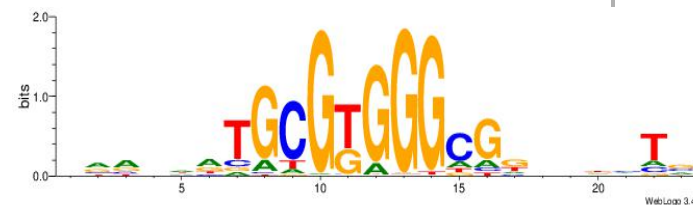
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHHTB



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:	3
Number of overlap:	18
Similarity score:	0.0284377

Alignment:

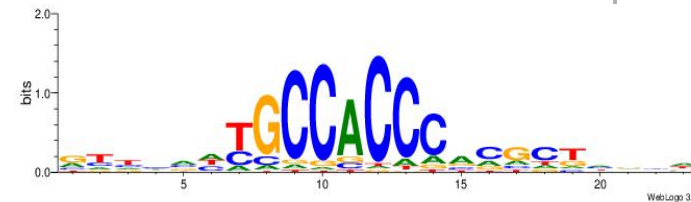
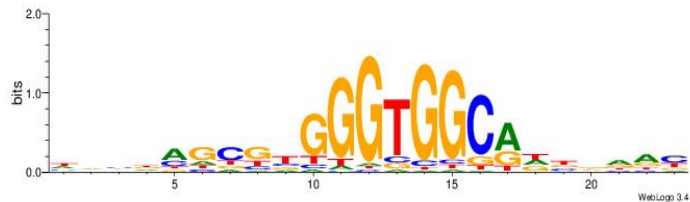
BDDHVDKGCCACCCVCGCTDBVH
 ---YMWGSMYAGCCRKSKCTR--

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

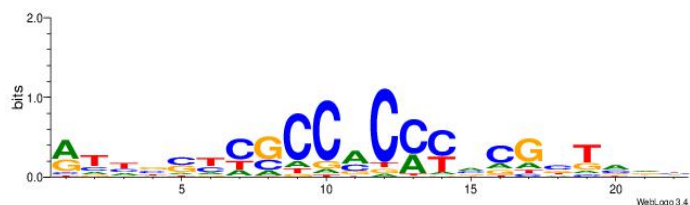


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0313979

Alignment:
 HDBABCGBKRGYGGCGMSBHAK
 --KAGYSYKGGCTKRSCWYK--

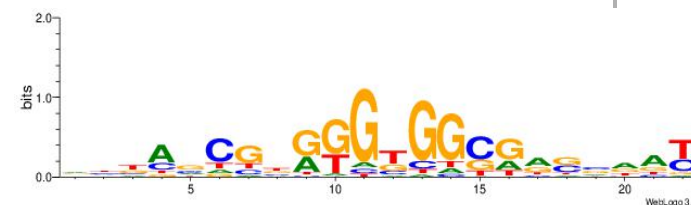
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

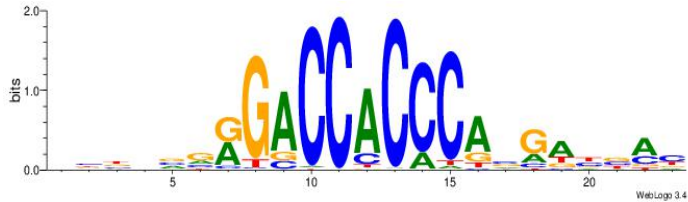


Motif ID: [UP00538](#)

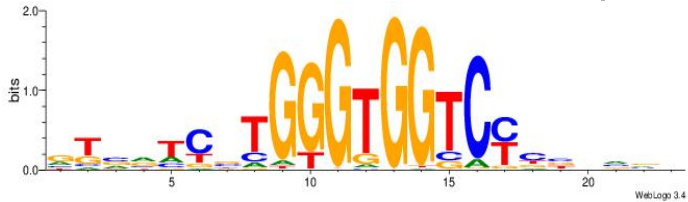
Motif name: Gli1_v015681_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 18
Similarity score: 0.032852

Alignment:
BBBDVVRGACCACCCAVGABBAB
----YMWGSMYAGCCRKSKCTR--

Original motif
Consensus sequence: BBBDVVRGACCACCCAVGABBAB



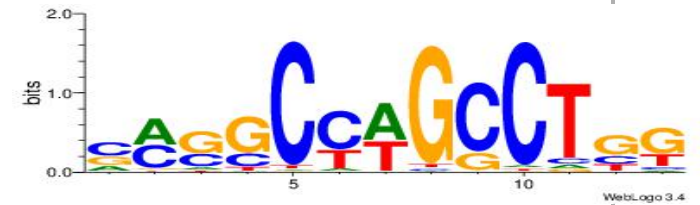
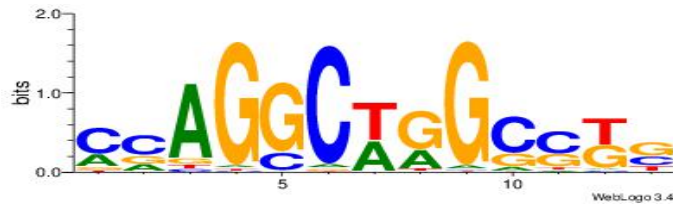
Reverse complement motif
Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



Dataset #: 1 Motif ID: 74 Motif name: C074

Original motif
Consensus sequence: CCAGGCWGGCSKS

Reverse complement motif
Consensus sequence: SRSGCCWGCCTGG



Best Matches for Motif ID 74 (Highest to Lowest)

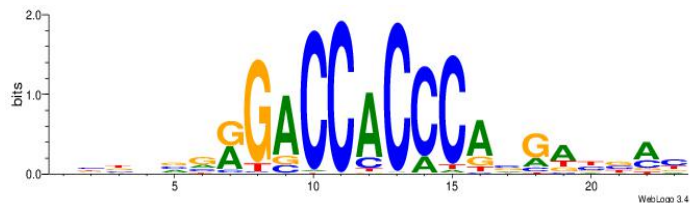
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 13
 Similarity score: 0.0257723

Alignment:

BBBDVVRGACCACCCAVGABBAB
 -----SRSGCCWGCCTGG-----

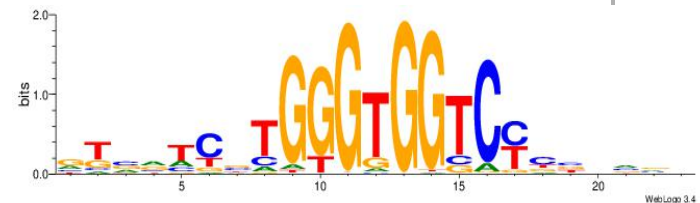
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



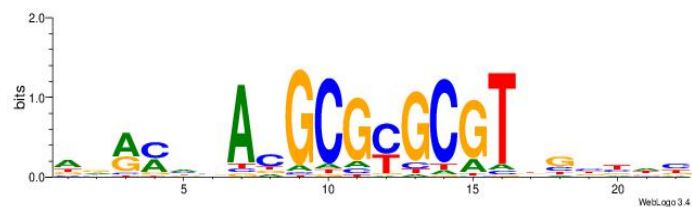
Motif ID: [UP00526](#)
 Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 13
 Similarity score: 0.0270649

Alignment:

DDRMHBACGCGYGCGTDGBBDB
 -----SRSGCCWGCCTGG-----

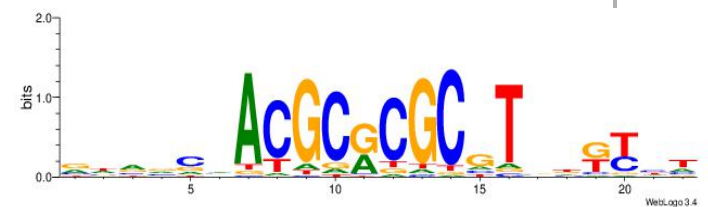
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD

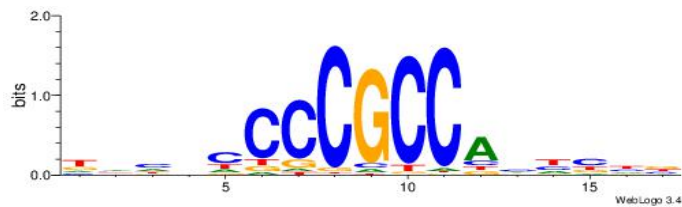


Motif ID: [UP00000](#)
 Motif name: Smad3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2

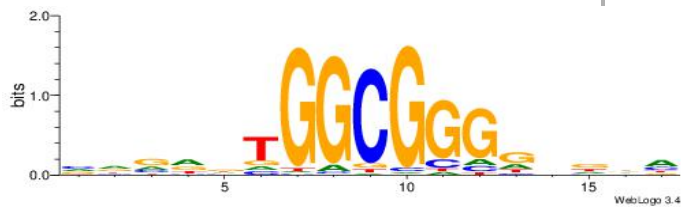
Number of overlap: 13
Similarity score: 0.0283276

Alignment:
BHBHDTGGCGGGBDHD
---CCAGGCWGGCSKS-

Original motif
Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif
Consensus sequence: BHBHDTGGCGGGBDHD



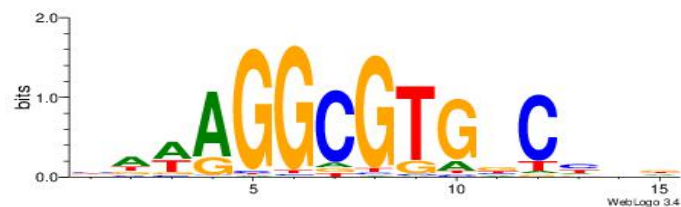
Motif ID: [UP00002](#)
Motif name: Sp4_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 13
Similarity score: 0.0313235

Alignment:
HHDGBCACGCCTWDB
-SRSGCCWGCCTGG-

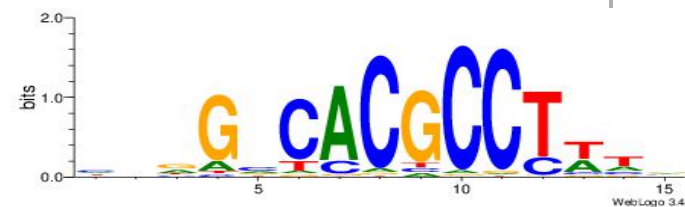
Original motif

Reverse complement motif

Consensus sequence: BDWAGGCGTGBCHHD



Consensus sequence: HHDGBCACGCCTWDB



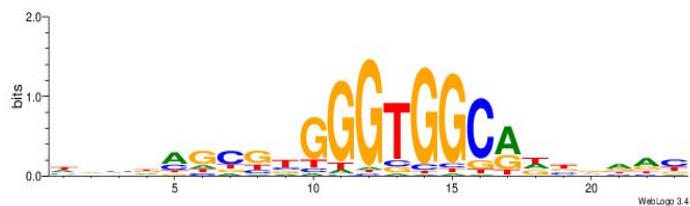
Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 13
Similarity score: 0.0327573

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
-----CCAGGCWGGCSKS-----

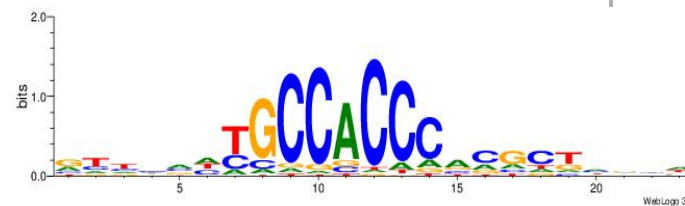
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

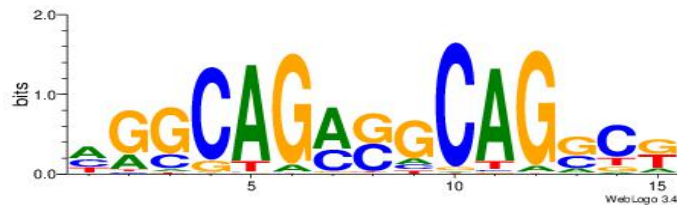
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Dataset #: 1 **Motif ID: 75** **Motif name: C075**

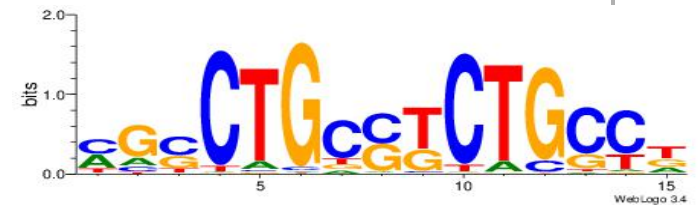
Original motif

Consensus sequence: MGGCAGMSGCAGSCK



Reverse complement motif

Consensus sequence: YGSCTGCSYCTGCCY



Best Matches for Motif ID 75 (Highest to Lowest)

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:	3
Number of overlap:	15
Similarity score:	0.0343574

Alignment:

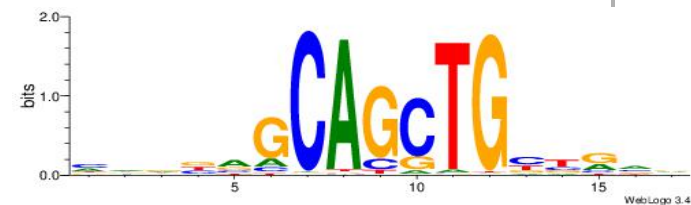
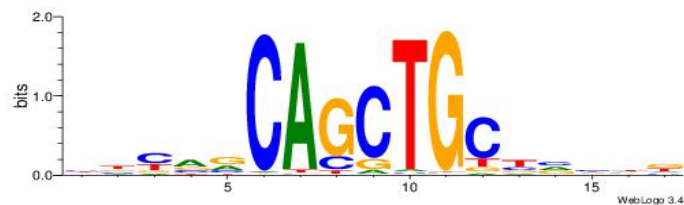
```
BBYVVCAGCTGCBVHHD
--MGGCAGMSGCAGSCK
```

Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD

Reverse complement motif

Consensus sequence: HHDVVCAGCTGVBKVB

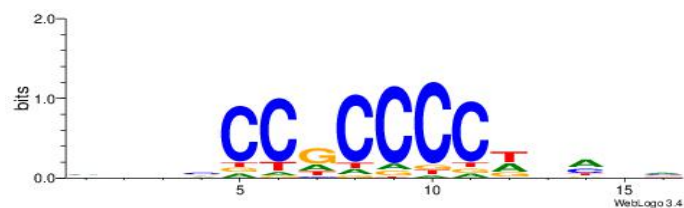


Motif ID: [UP00043](#)
 Motif name: Bcl6b_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0352972

Alignment:
 HBBBCCGCCCCWHHHV
 -YG SCTGCSYCTGCCY

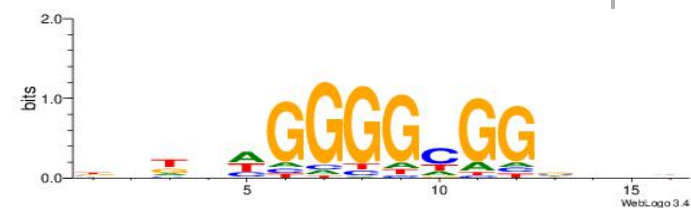
Original motif

Consensus sequence: HBBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



Motif ID: [UP00079](#)

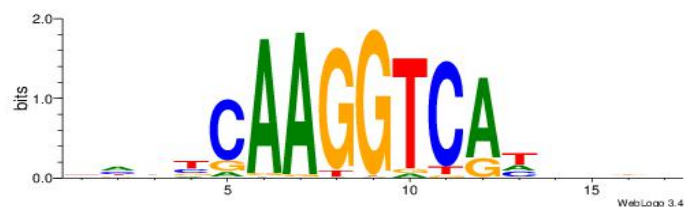
Motif name: Esrra_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0363915

Alignment:

HHBVHTGACCTTGVDHD
 -YGSCTGCSYCTGCCY-

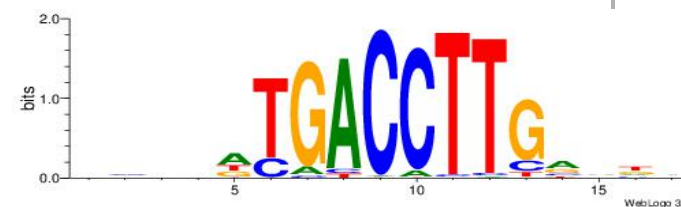
Original motif

Consensus sequence: DHDBCAAGGTCAHVBDH



Reverse complement motif

Consensus sequence: HHBVHTGACCTTGVDHD



Motif ID: [UP00033](#)
 Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 15

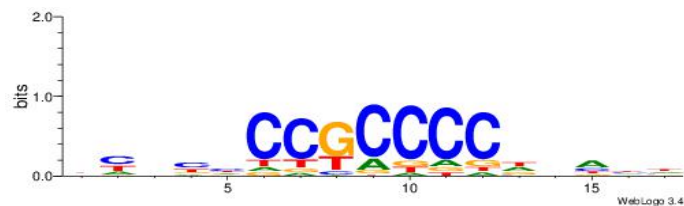
Similarity score: 0.036959

Alignment:

BHHBHCCGCCCCDHHHH
--YGSCTGCSYCTGCCY

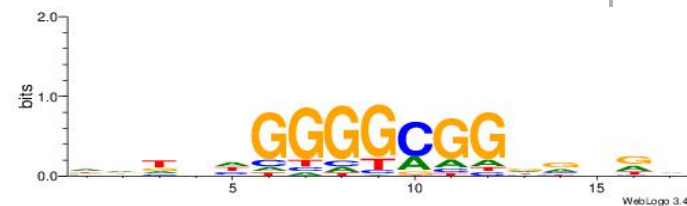
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



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: 1
Number of overlap: 15
Similarity score: 0.0381017

Alignment:

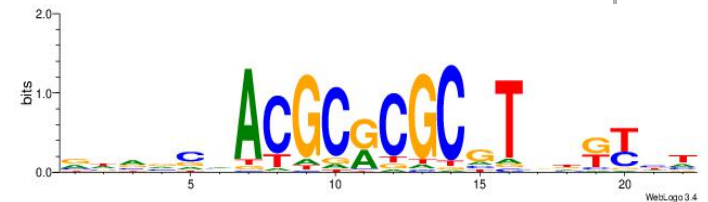
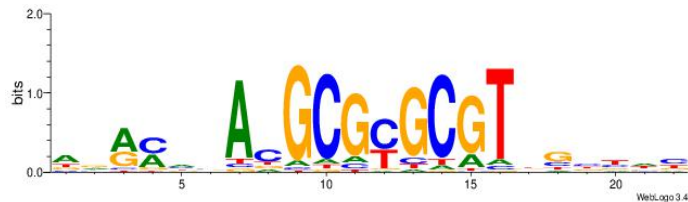
DDRMHBACGCGYGCGTDGBBDB
MGGCAGMSGCAGSCK-----

Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB

Reverse complement motif

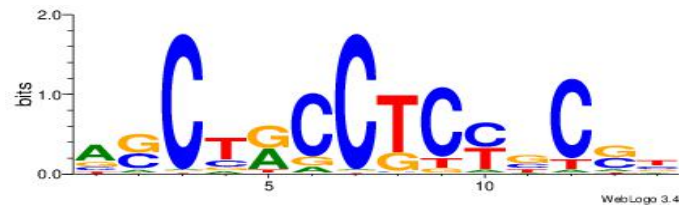
Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



Dataset #: 1 Motif ID: 76 Motif name: C076

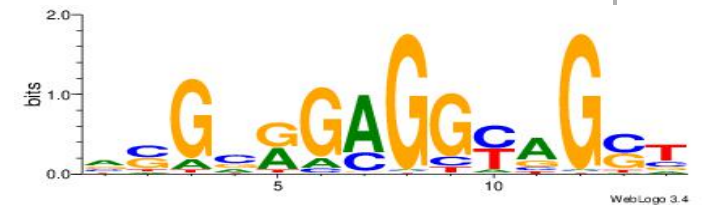
Original motif

Consensus sequence: ASCTRCCTCYBCSB



Reverse complement motif

Consensus sequence: VSGBKGAGGMAGST



Best Matches for Motif ID 76 (Highest to Lowest)

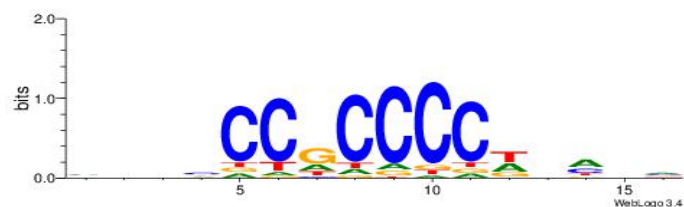
Motif ID:	UP00043
Motif name:	Bcl6b_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0266758

Alignment:

BHHHWGGGGCGGBBVH
VSGBKGAGGMAGST--

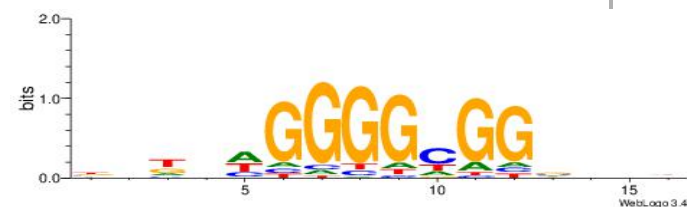
Original motif

Consensus sequence: HBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



Motif ID: [UP00033](#)
Motif name: Zfp410_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 14
Similarity score: 0.0272671

Alignment:

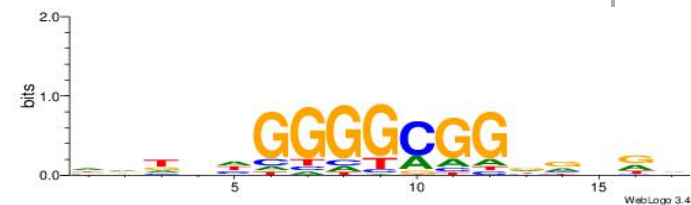
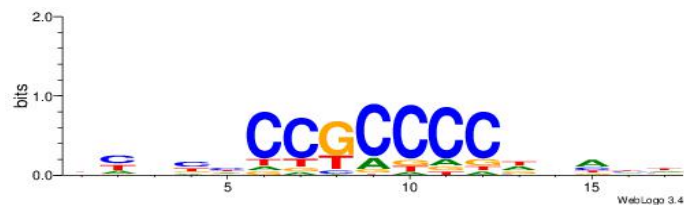
HHHHDGGGGCGGDBHDV
VSGBKGAGGMAGST---

Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH

Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV

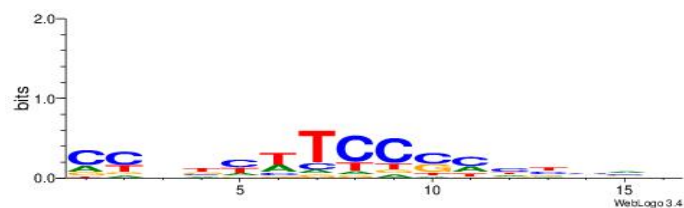


Motif ID: [UP00013](#)
 Motif name: Gabpa_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0302132

Alignment:
 DBVVDRSGGAWKVHKG
 VSGBKGAGGMAGST--

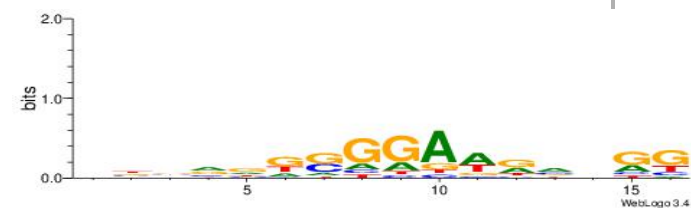
Original motif

Consensus sequence: CYDBYWTCCSMHBVVH



Reverse complement motif

Consensus sequence: DBVVDRSGGAWKVHKG



Motif ID: [UP00022](#)

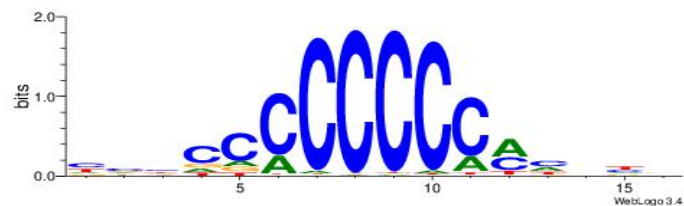
Motif name: Zfp740_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0328017

Alignment:

BHHDYGGGGGGGGBVD
 -VSGBKGAGGMAGST-

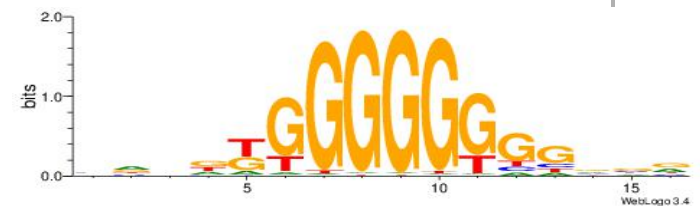
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGBVD

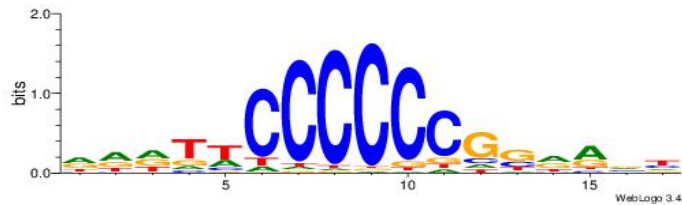


Motif ID: [UP00022](#)
 Motif name: Zfp740_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 14

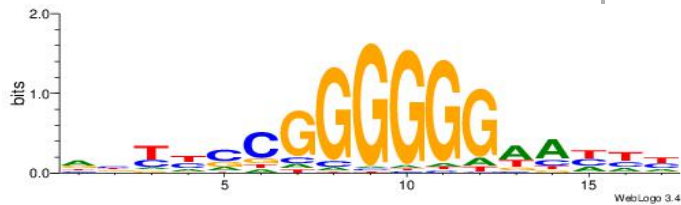
Similarity score: 0.0330521

Alignment:
HVKDCCGGGGGGWADDD
---VSGBKGAGGMAGST

Original motif
Consensus sequence: DDDTWCCCCCGGDRVH

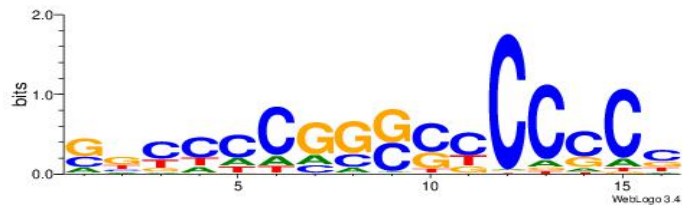


Reverse complement motif
Consensus sequence: HVKDCCGGGGGGWADDD

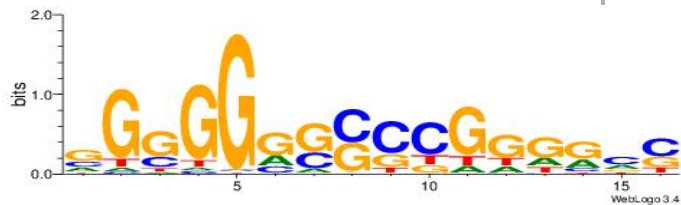


Dataset #: 1 Motif ID: 77 Motif name: C077

Original motif
Consensus sequence: SBCCCCGGSSCCCCCB



Reverse complement motif
Consensus sequence: BGGGGSSCCGGGGBS



Best Matches for Motif ID 77 (Highest to Lowest)

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

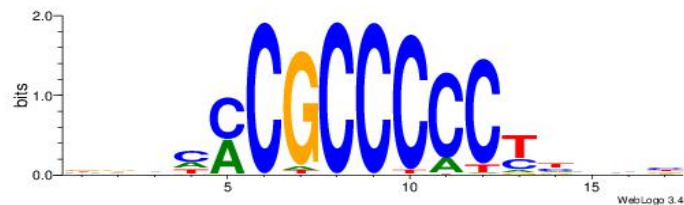
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	16
Similarity score:	0.0480753

Alignment:

```
BDHHMCGCCCCCTHVBB
SBCCCCGGSSCCCCCB-
```

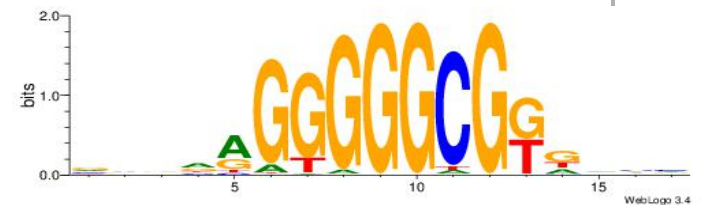
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

Consensus sequence: BVVHAGGGGGCGRDHHB



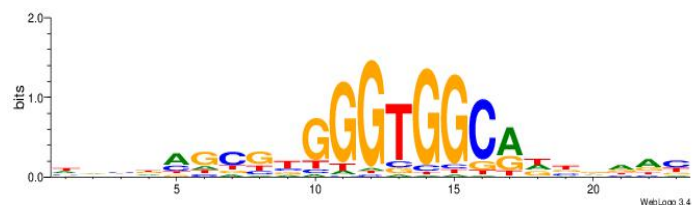
Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	16
Similarity score:	0.0484396

Alignment:

```
BDDHVDKGCCACCCVCGCTDBVH
-----BGGGGGSSCCGGGGBS
```

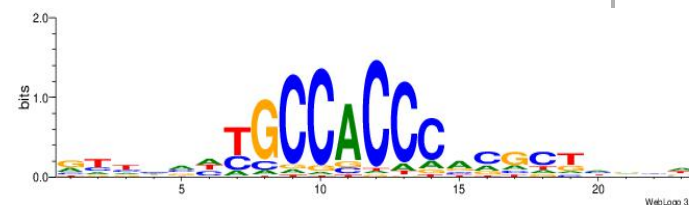
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



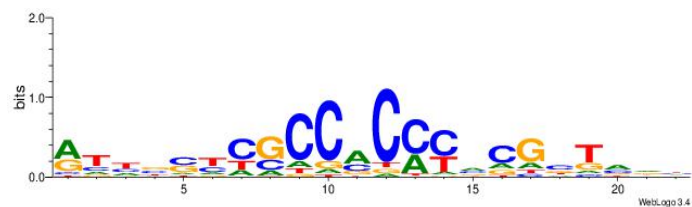
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0490479

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 SBCCCCGGSSCCCCCB-----

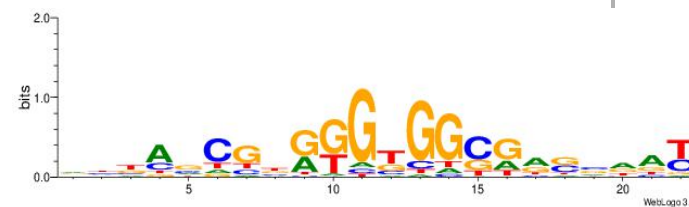
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCBKRGYGGCGMSBHA



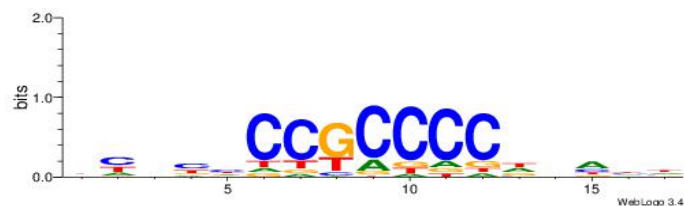
Motif ID: [UP00033](#)
Motif name: Zfp410_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 16
Similarity score: 0.0535184

Alignment:

HHHHDGGGGCGGDBHDV
-BGGGGGSSCCGGGGBS

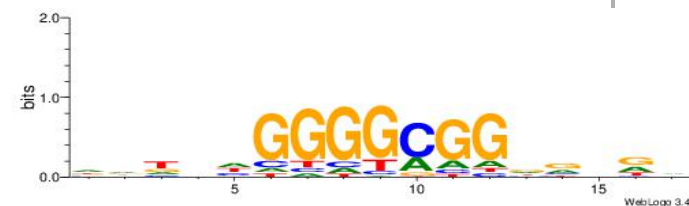
Original motif

Consensus sequence: BHHBHCCGCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



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: 1

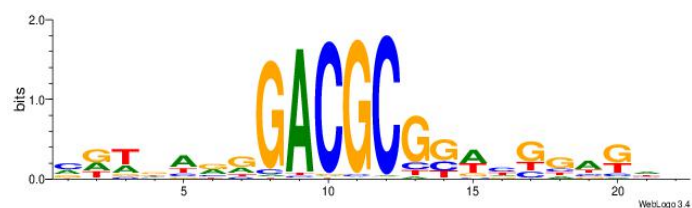
Number of overlap: 16
Similarity score: 0.0543092

Alignment:

VDWDARRGACGCGGWHGGAKHV
SBCCCCGGSSCCCCCB-----

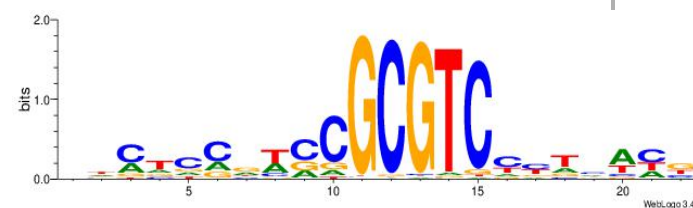
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

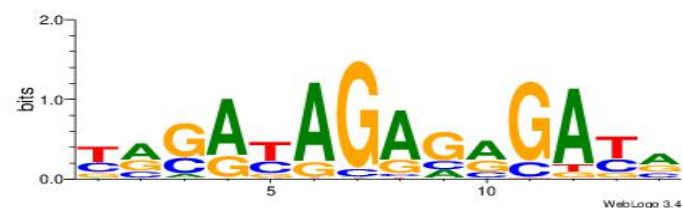
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Dataset #: 1 Motif ID: 78 Motif name: C078

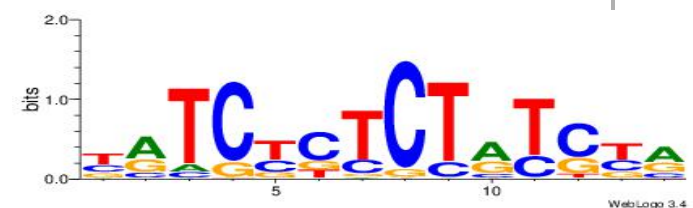
Original motif

Consensus sequence: YRGAYAGAGRGAYR



Reverse complement motif

Consensus sequence: KMTCKCTCTMTCKM



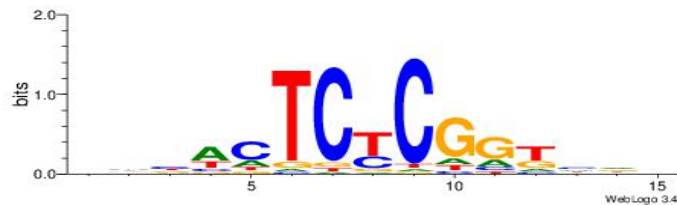
Best Matches for Motif ID 78 (Highest to Lowest)

Motif ID: [>UP00011](#)
Motif name: Irf6_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement

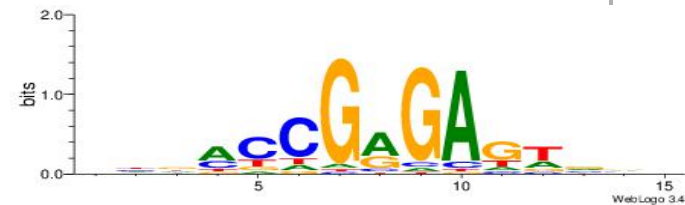
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0289623

Alignment:
VDDRCCGMGAGTBBB
-KMTCKCTCTMTCKM

Original motif
Consensus sequence: VBBACTCYCGGKHDV



Reverse complement motif
Consensus sequence: VDDRCCGMGAGTBBB



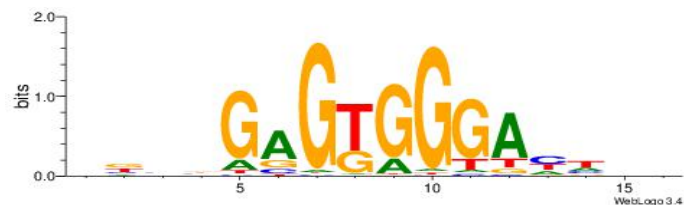
Motif ID: [UP00007](#)
Motif name: Egr1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0334841

Alignment:

BHHDTCCTCACTCBDBV
--KMTCKCTCTMTCKM

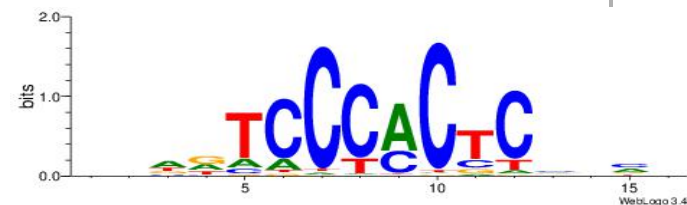
Original motif

Consensus sequence: BBHBGAGTGGGAHHDB



Reverse complement motif

Consensus sequence: BHHDTCCTCACTCBDBV



Motif ID:	UP00040
Motif name:	Irf5_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0339287

Alignment:

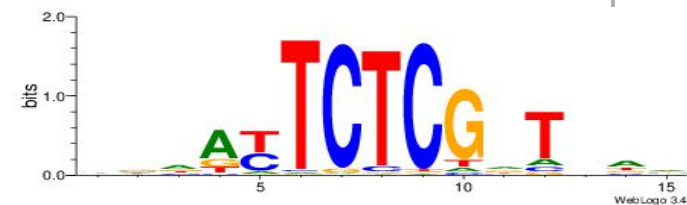
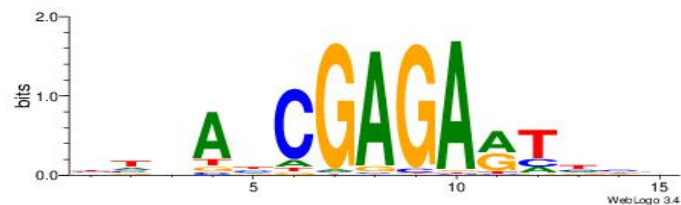
BHDAHCGAGARTH BV
YRGAYAGAGRGAYR-

Original motif

Consensus sequence: BHDAHCGAGARTH BV

Reverse complement motif

Consensus sequence: VBHAKTCTCGH THHV

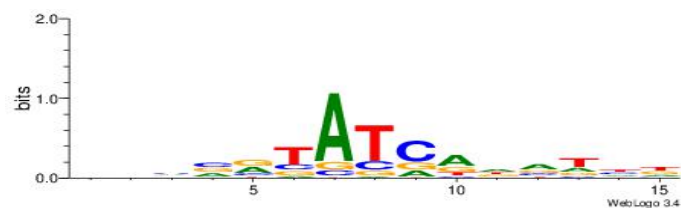


Motif ID: [UP00078](#)
 Motif name: Arid3a_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0352486

Alignment:
 HHVVRTATCRDVDHD
 -YRGAYAGAGRGAYR

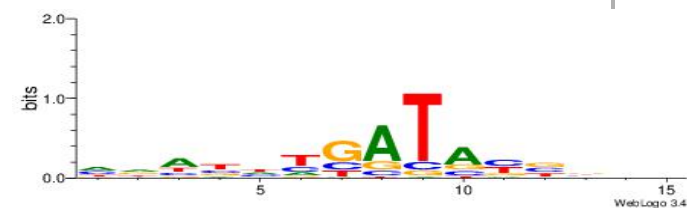
Original motif

Consensus sequence: HHVVRTATCRDVDHD



Reverse complement motif

Consensus sequence: DHDBDKGATAMVVDH



Motif ID: [UP00539](#)

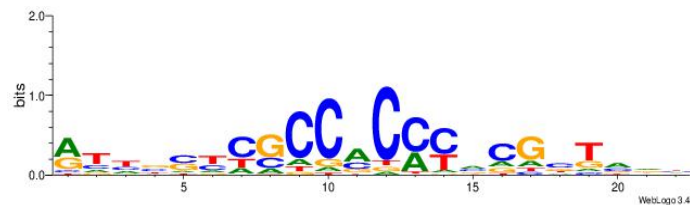
Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 14
 Similarity score: 0.0392148

Alignment:

HDBABCGBKRGYGGCGMSBHAK
 -----YRGAYAGAGRGAYR-

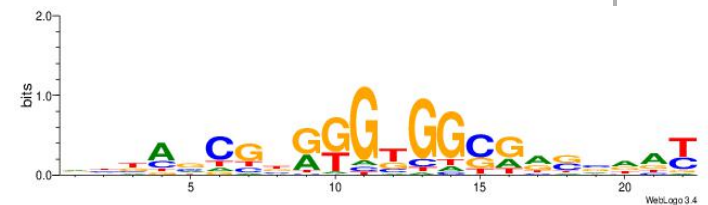
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



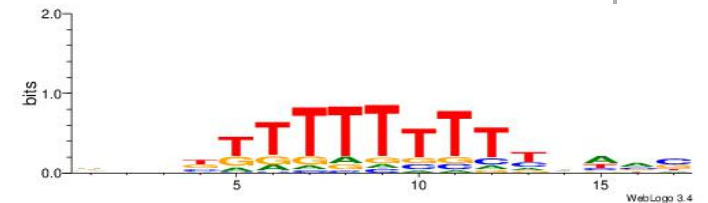
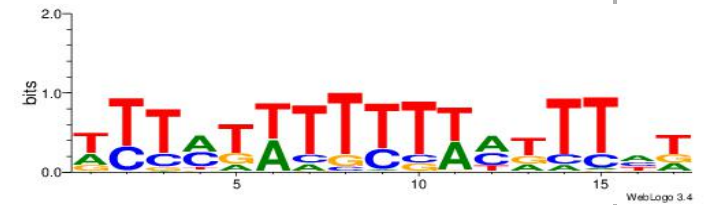
Dataset #: 1 Motif ID: 79 Motif name: C079

Original motif

Consensus sequence: ADAAAKWAAAWAKARW

Reverse complement motif

Consensus sequence: WKTRTWTTTTWRTTTDT



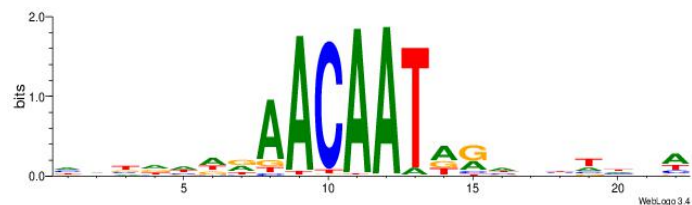
Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 17
 Similarity score: 0.0319437

Alignment:

WBHHHHHMDATTGTTDHDVHH
 ----WKTRTWTTTTWRTTDT-

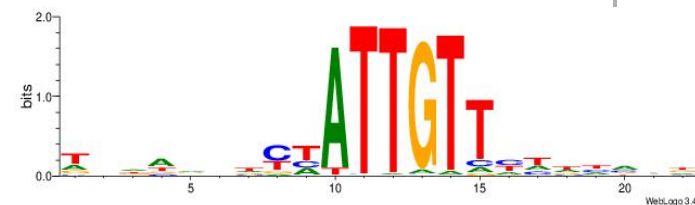
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTDHDVHH



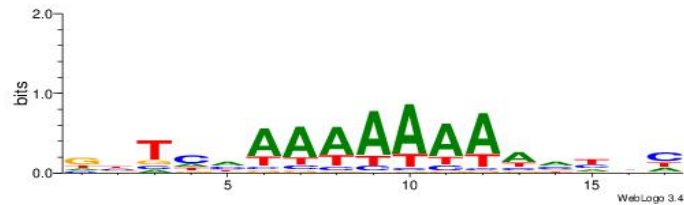
Motif ID: [UP00090](#)
 Motif name: Elf3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0359246

Alignment:

DBTHHAAAAAAAAAVHDH
ADAAAKWAAA AWAKARW

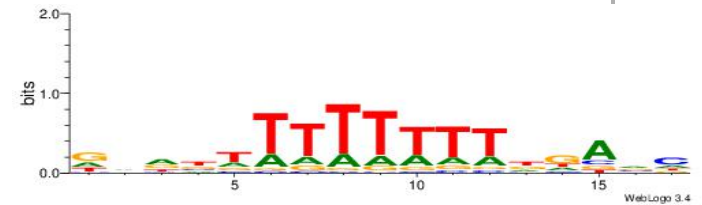
Original motif

Consensus sequence: DBTHHAAAAAAAAAVHDH



Reverse complement motif

Consensus sequence: DDHBTTTTTTTTTHDAVH



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:	0.036697

Alignment:

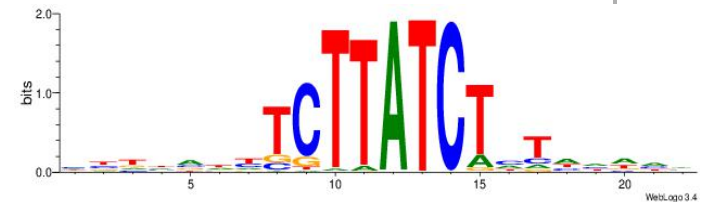
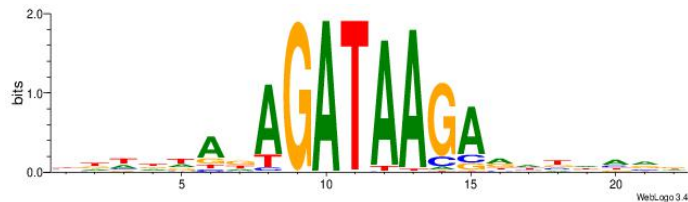
BDHDDADAGATAAGADHBDHVD
-----ADAAAKWAAA AWAKARW

Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD

Reverse complement motif

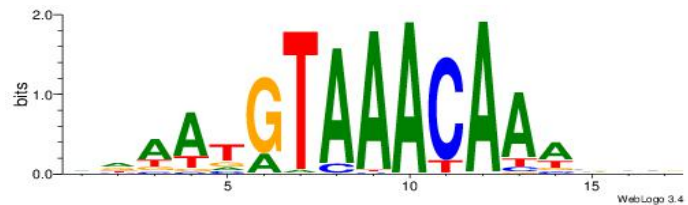
Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



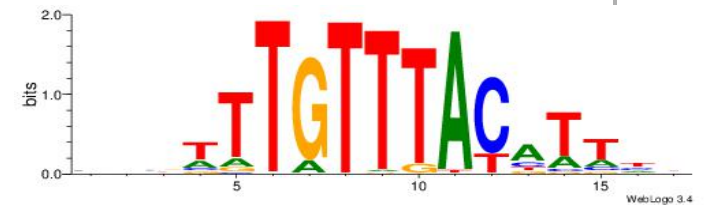
Motif ID: [UP00025](#)
 Motif name: Foxk1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0381106

Alignment:
 DDAATGTAAACAAVVB
 ADAAAKWAAA AWAKARW

Original motif
 Consensus sequence: DDAATGTAAACAAVVB



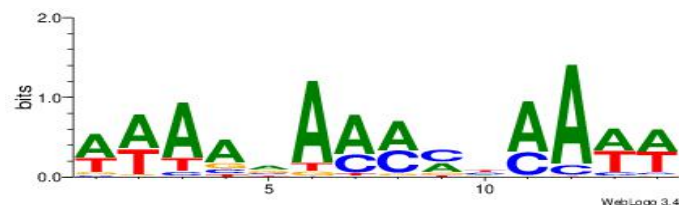
Reverse complement motif
 Consensus sequence: BBVTTTGTTTACATDD



Dataset #: 1 **Motif ID: 80** **Motif name: C080**

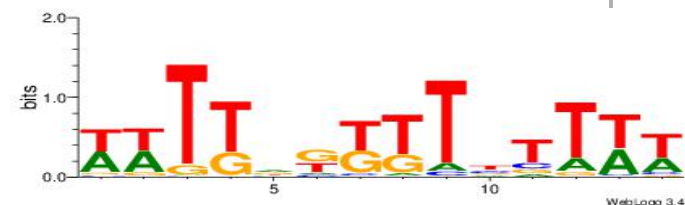
Original motif

Consensus sequence: WWAAVAAMMHAAWW



Reverse complement motif

Consensus sequence: WWTTHRYTTBTTWW



Best Matches for Motif ID 80 (Highest to Lowest)

Motif ID:	UP00077
Motif name:	Srf_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	14
Similarity score:	0.0245388

Alignment:

VBDDAAAAAAAAAMVBHH

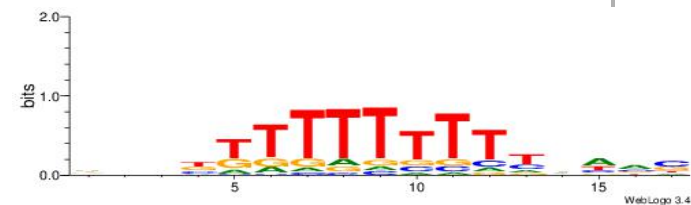
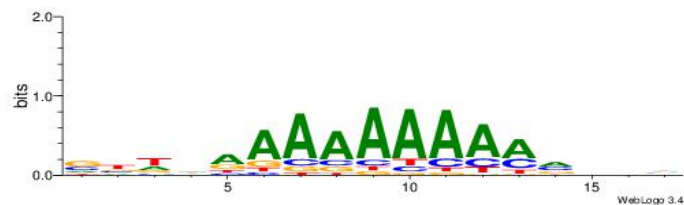
---WWAAVAAMMHAAWW

Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH

Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDV

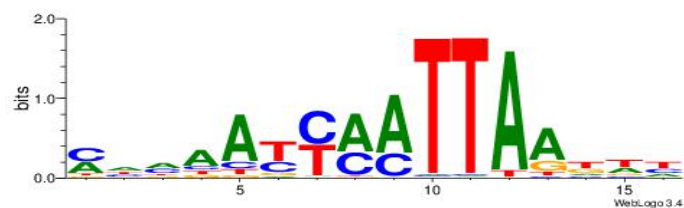


Motif ID: [UP00170](#)
 Motif name: Isl2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0341915

Alignment:
 HWDTTAATYKMTTHHR
 -WWTTHRYTTBTTWW-

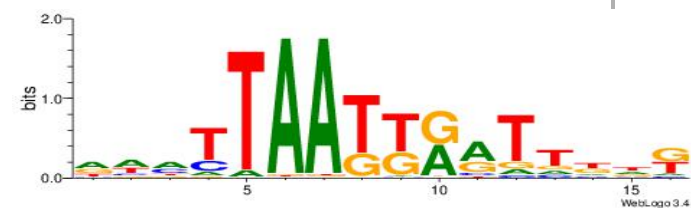
Original motif

Consensus sequence: MHHAAYYMATTAADWH



Reverse complement motif

Consensus sequence: HWDTTAATYKMTTHHR



Motif ID: [UP00090](#)

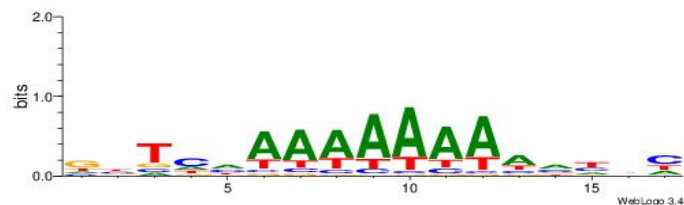
Motif name: Elf3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0349632

Alignment:

DBTHHAAAAAAAAAVHDDH
 ---WWAAVAAMMHAAWW

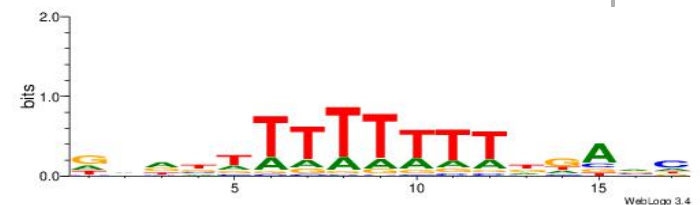
Original motif

Consensus sequence: DBTHHAAAAAAAAAVHDDH



Reverse complement motif

Consensus sequence: DDHBTTTTTTTTTHDAVH



Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14

Similarity score: 0.0362632

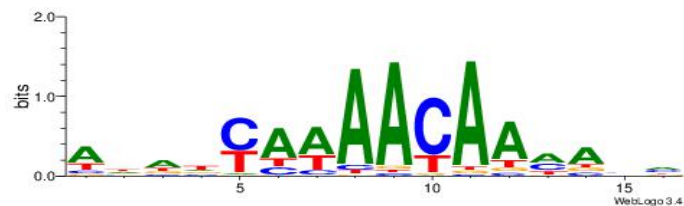
Alignment:

ADDDYAWAACAAMAHH

WWAAVAAMMHAAWW--

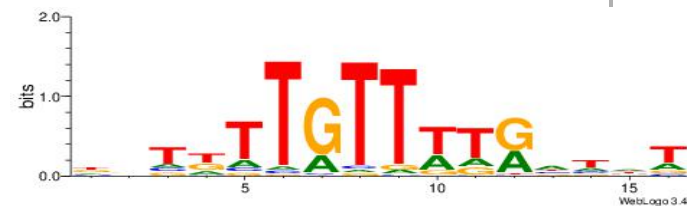
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



Motif ID: [UP00037](#)
Motif name: Zfp105_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0380401

Alignment:

HDYAAHAAMAADHD

WWAAVAAMMHAAWW--

Original motif

Consensus sequence: HDYAAHAAMAADHD

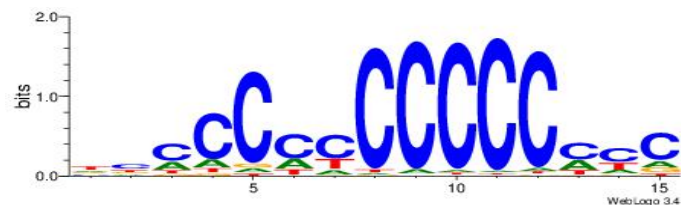
Reverse complement motif

Consensus sequence: HHHTTRTTDTTTKDH

DBCCCCCCCCCMYC
--BCCSHCCCSCMG--

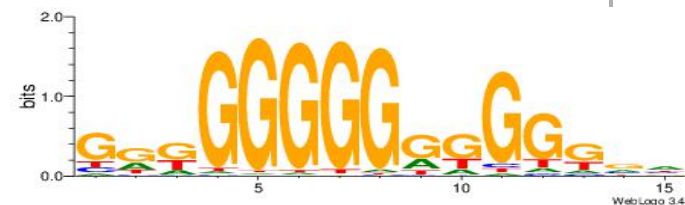
Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD



Motif ID:	UP00043
Motif name:	Bcl6b_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	12
Similarity score:	0.0173124

Alignment:

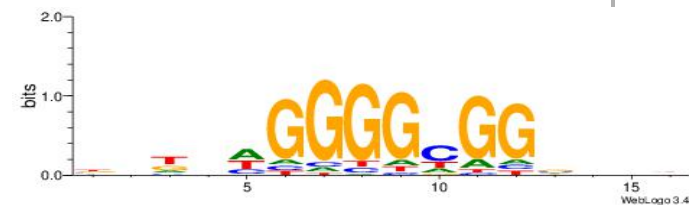
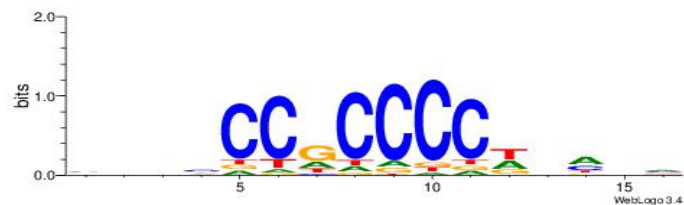
HBBBCCGCCCCWHHHV
---BCCSHCCCSCMG--

Original motif

Consensus sequence: HBBBCCGCCCCWHHHV

Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH

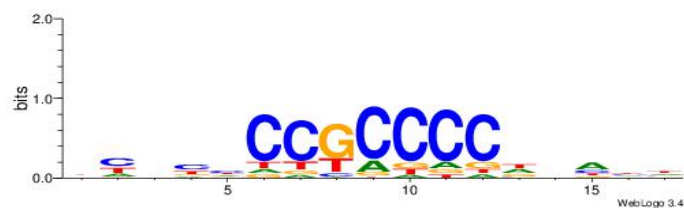


Motif ID: [UP00033](#)
 Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0193295

Alignment:
 BHHBHCCGCCCCDHHHH
 ----BCCSHCCCSCMG-

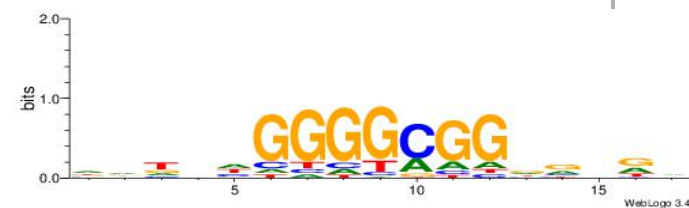
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



Motif ID: [UP00022](#)

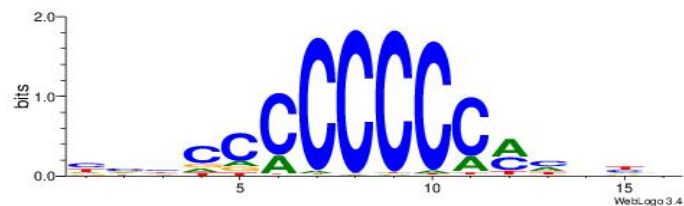
Motif name: Zfp740_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0214278

Alignment:

HVBCCCCCCCCMHHHB
 -BCCSHCCCSCMG---

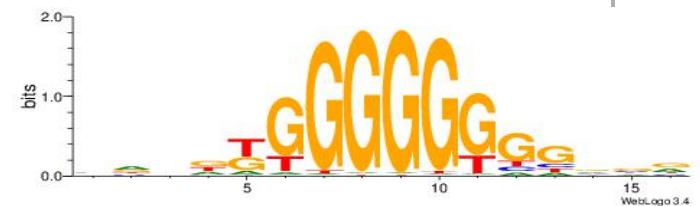
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGBVD

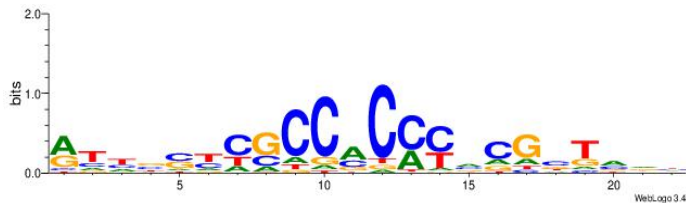


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 12

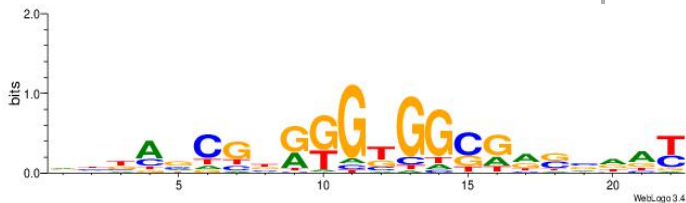
Similarity score: 0.0230163

Alignment:
HDBABCGBKRGYGGCGMSBHAK
----CYGSGGGHSGGB-----

Original motif
Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

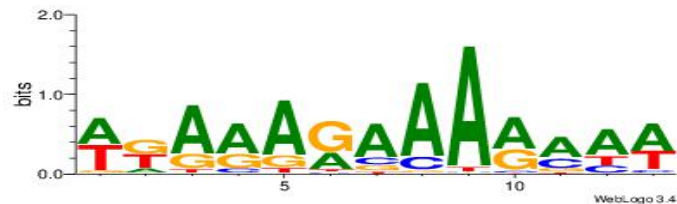


Reverse complement motif
Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

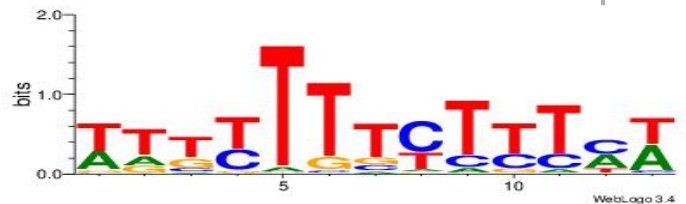


Dataset #: 1 Motif ID: 82 Motif name: C082

Original motif
Consensus sequence: WKAAARAAARAAW



Reverse complement motif
Consensus sequence: WTTKTTTMTTTYW



Best Matches for Motif ID 82 (Highest to Lowest)

Motif ID: [UP00077](#)
Motif name: Srf_secondary
Species: Mus musculus
Matching format of first motif: Original Motif

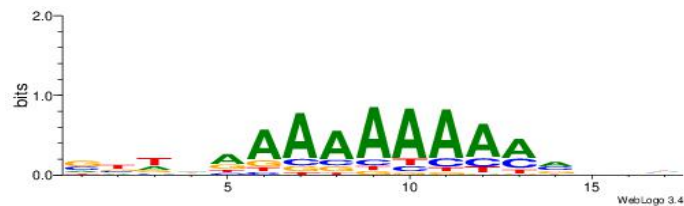
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	13
Similarity score:	0.0105695

Alignment:

```
VBDDAAAAAAAAAMVBHH
--WKAAARAAARAAW--
```

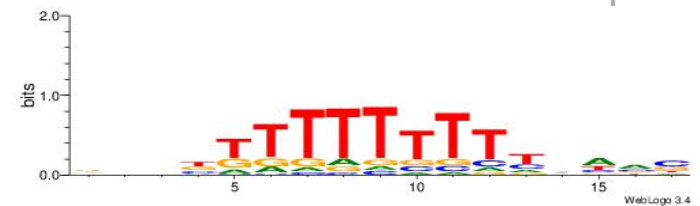
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDV



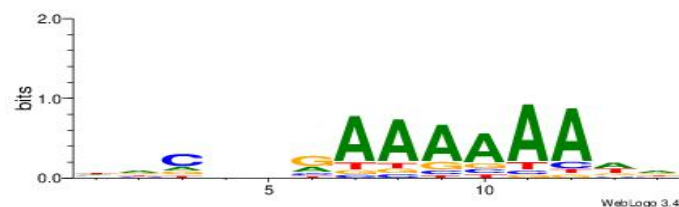
Motif ID:	UP00028
Motif name:	Tcfap2e_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	13
Similarity score:	0.0217842

Alignment:

DDTTTTTTMBDGDH
-WTKTTTMTTTYW

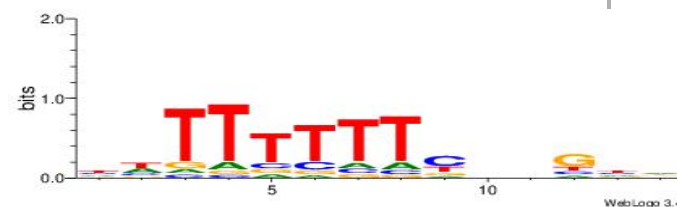
Original motif

Consensus sequence: HDCDBRAAAAAADD



Reverse complement motif

Consensus sequence: DDTTTTTTMBDGDH



Motif ID:	UP00037
Motif name:	Zfp105_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	13
Similarity score:	0.0234988

Alignment:

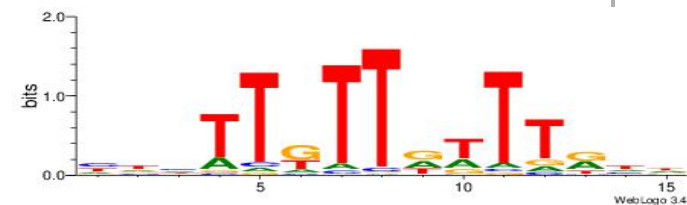
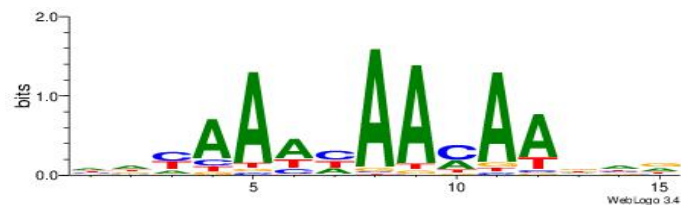
HHHTTRTTDTTTKDH
--WTKTTTMTTTYW

Original motif

Consensus sequence: HDYAAHAAMAADHD

Reverse complement motif

Consensus sequence: HHHTTRTTDTTTKDH

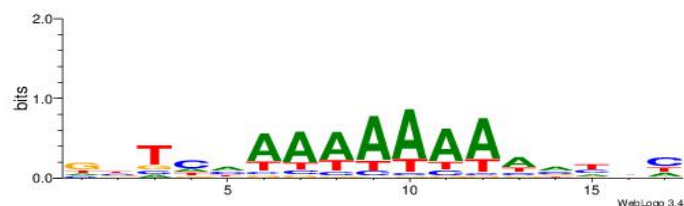


Motif ID: [UP00090](#)
 Motif name: Elf3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 13
 Similarity score: 0.0265681

Alignment:
 DDHBT TTT TTT THDAVH
 -WTK TTT TMT TTYW ---

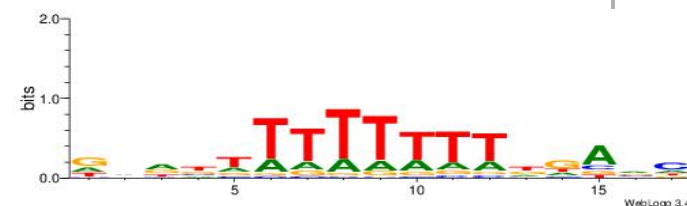
Original motif

Consensus sequence: DBTHHAAAAAAAAAVH



Reverse complement motif

Consensus sequence: DDHBT TTT TTT THDAVH



Motif ID: [UP00097](#)

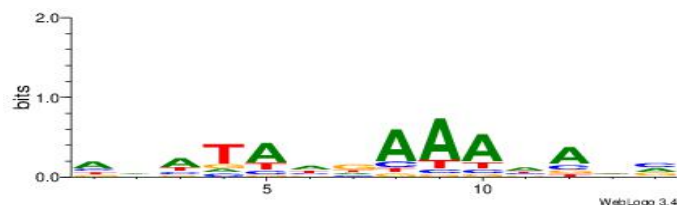
Motif name: Mtf1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0267248

Alignment:

VDTHTTTTHHTATDH
 WTTKTTTMTTTYW-

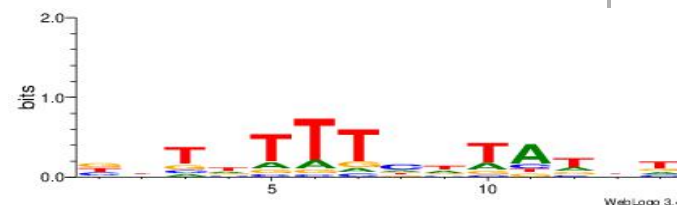
Original motif

Consensus sequence: HDATAHDAAAHADV



Reverse complement motif

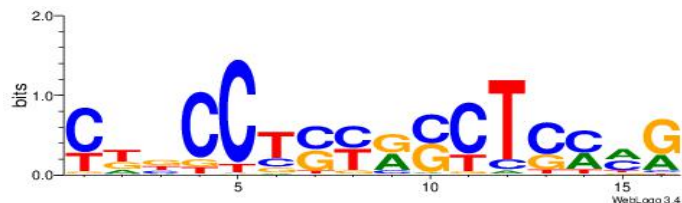
Consensus sequence: VDTHTTTTHHTATDH



Dataset #: 1 Motif ID: 83 Motif name: C083

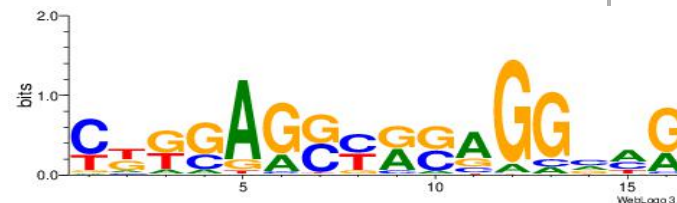
Original motif

Consensus sequence: CKBCCTSYRSCTCMMG



Reverse complement motif

Consensus sequence: CYRGAGSMKSAGGBRG



Best Matches for Motif ID 83 (Highest to Lowest)

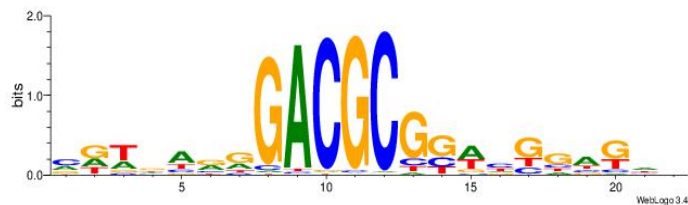
Motif ID: [UP00527](#)
Motif name: Foxn4_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 16
Similarity score: 0.0269608

Alignment:

```
VHYTCCDWCCGCGTCMMTHWHV  
--CKBCCTSYRSCTCMMG----
```

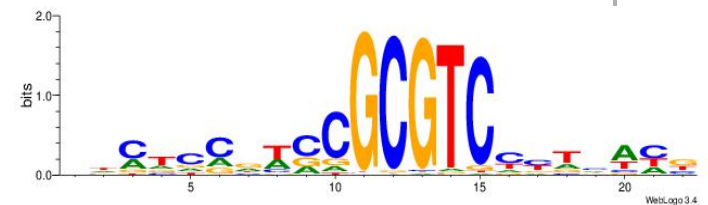
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



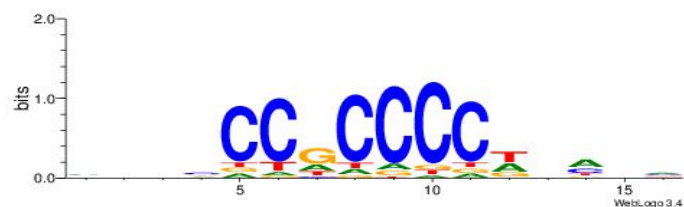
Motif ID: [UP00043](#)
Motif name: Bcl6b_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif

Direction: Backward
Position number: 1
Number of overlap: 16
Similarity score: 0.0336468

Alignment:
HBBCCGCCCCWHHHV
CKBCCTSYRSCTCMMG

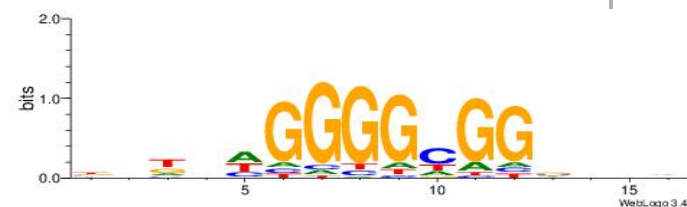
Original motif

Consensus sequence: HBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH

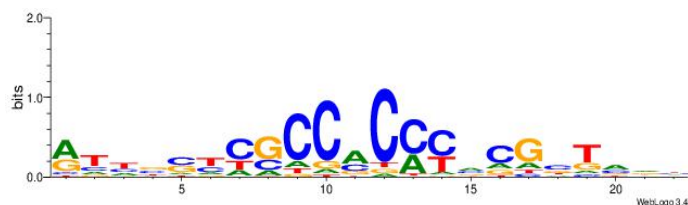


Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 16
Similarity score: 0.0351892

Alignment:
RTHBSYCGCCMCMYVCGBTVDH
-CKBCCTSYRSCTCMMG-----

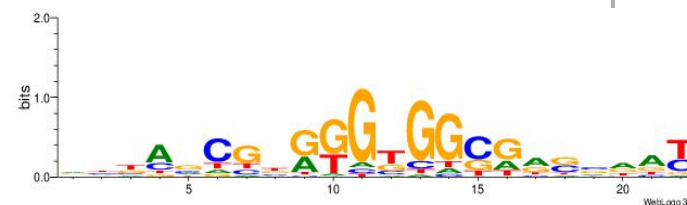
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



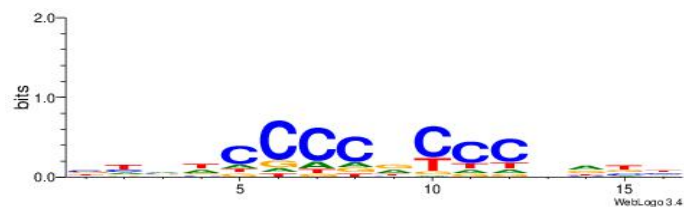
Motif ID: [UP00099](#)
Motif name: Ascl2_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 16
Similarity score: 0.035551

Alignment:

HVDVGGGHGGGGDBHB
CYRGAGSMKSAGGBRG

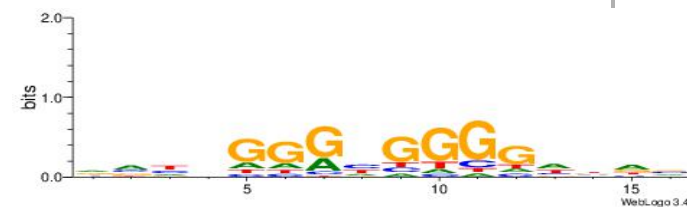
Original motif

Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif

Consensus sequence: HVDVGGGHGGGGDBHB



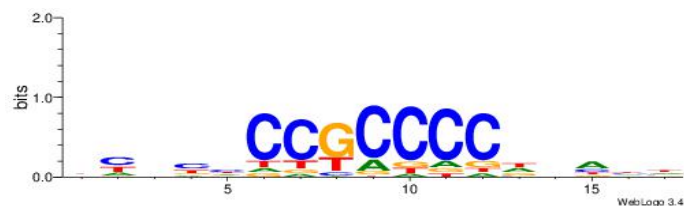
Motif ID: [UP00033](#)
 Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.035682

Alignment:

BHHBHCCGCCCCDHHHH
 -CKBCCTSYRSCCTCMMG

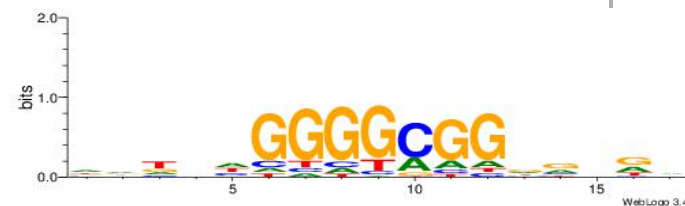
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

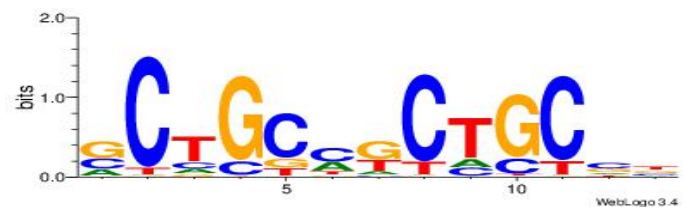
Consensus sequence: HHHHDGGGGCGGDBHDV



Dataset #: 1 Motif ID: 84 Motif name: C084

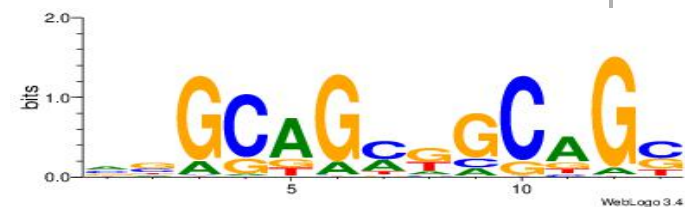
Original motif

Consensus sequence: SCTGCMKCTGCVB



Reverse complement motif

Consensus sequence: VVGCAGYRGCAGS



Best Matches for Motif ID 84 (Highest to Lowest)

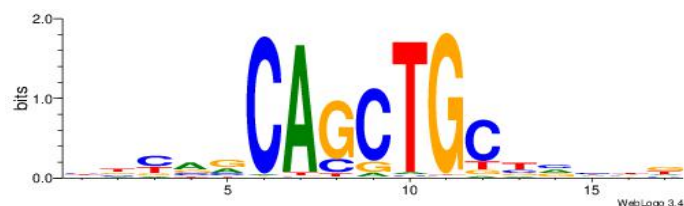
Motif ID: [UP00099](#)
Motif name: Ascl2_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 13
Similarity score: 0.0229768

Alignment:

HHDVVGCAGCTGVBKVB
---VVGCAGYRGCAGS-

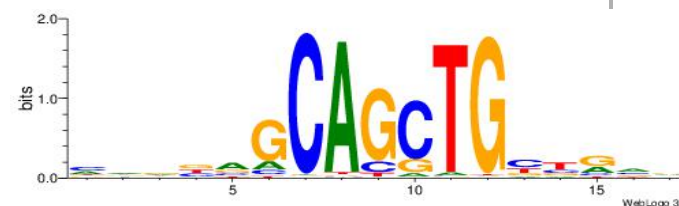
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HHDVVGCAGCTGVBKVB



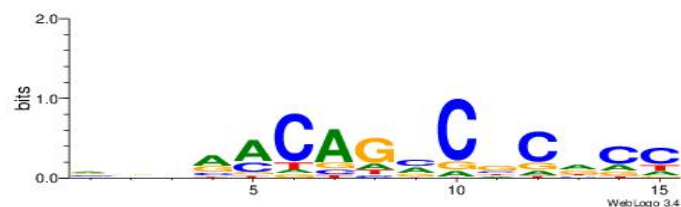
Motif ID: [UP00036](#)
Motif name: Myf6_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement

Direction: Forward
Position number: 1
Number of overlap: 13
Similarity score: 0.0256725

Alignment:
VVVRACAGVCBCDCC
SCTGCMKCTGCVB--

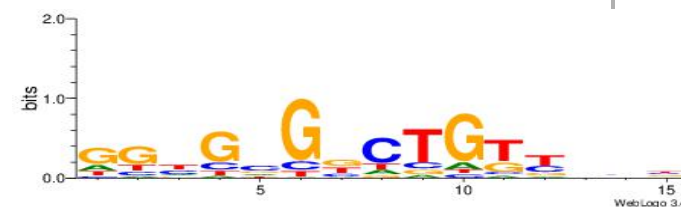
Original motif

Consensus sequence: VVVRACAGVCBCDCC



Reverse complement motif

Consensus sequence: GGDGBGVCTGTVVB

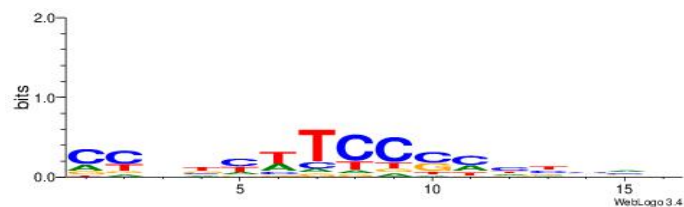


Motif ID: [UP00013](#)
Motif name: Gabpa_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 13
Similarity score: 0.0310274

Alignment:
CYDBYWTCCSMHBVVH
SCTGCMKCTGCVB---

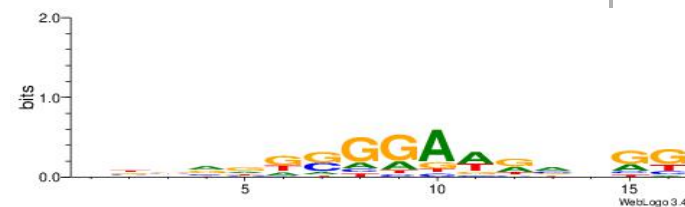
Original motif

Consensus sequence: CYDBYWTCCTSMHBVVH



Reverse complement motif

Consensus sequence: DBVDRSGGAWKVHKG



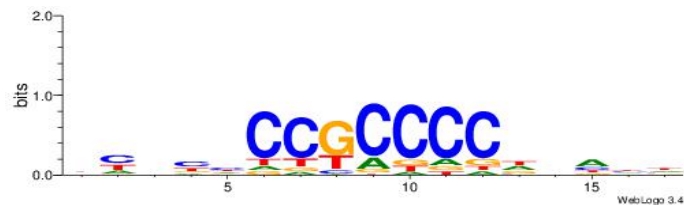
Motif ID: [UP00033](#)
Motif name: Zfp410_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 13
Similarity score: 0.0325376

Alignment:

```
BHHBHCCGCCCCDHHHH  
----SCTGCMKCTGCVB
```

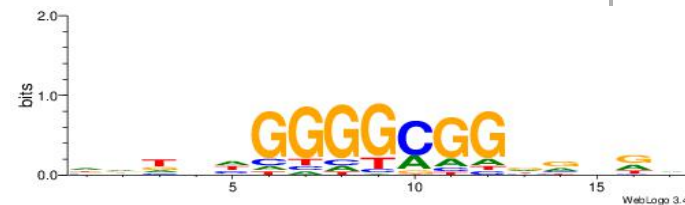
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



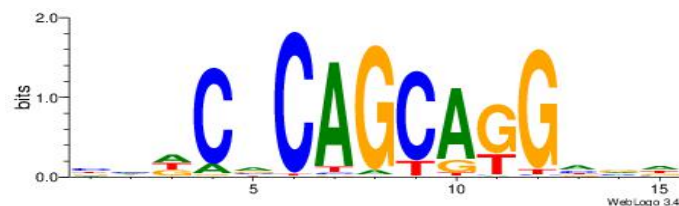
Motif ID: [UP00102](#)
 Motif name: Zic1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0348713

Alignment:

BHDCVCAGCAGGHVD
 --VVG CAGYRGCAGS

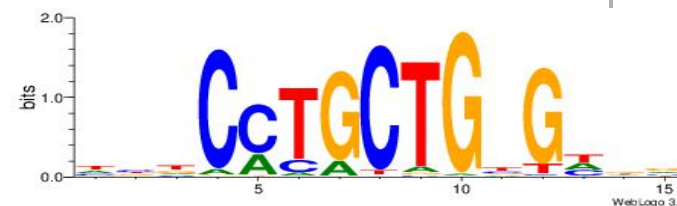
Original motif

Consensus sequence: BHDCVCAGCAGGHVD



Reverse complement motif

Consensus sequence: DVHCCTGCTGBGDDDB



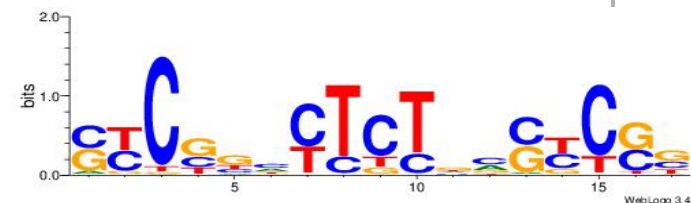
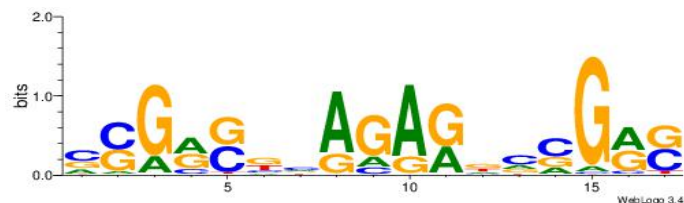
Dataset #: 1 Motif ID: 85 Motif name: C085

Original motif

Consensus sequence: VSGRSBHAGARDVSGRS

Reverse complement motif

Consensus sequence: SKCSVHMTCTDBSKCSV



Best Matches for Motif ID 85 (Highest to Lowest)

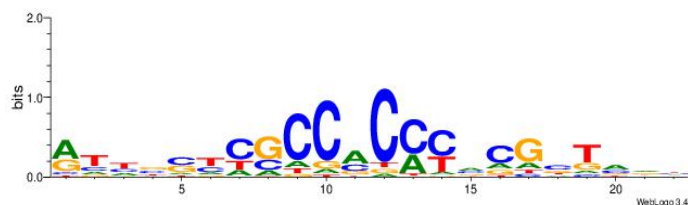
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 17
 Similarity score: 0.0345982

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 ----SKCSVHMTCTDBSKCSV-

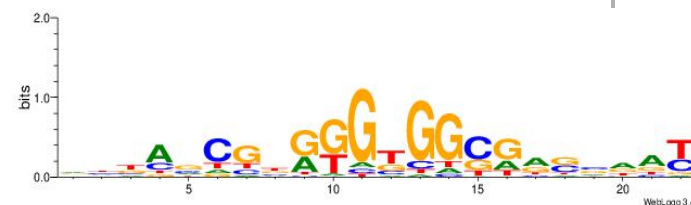
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



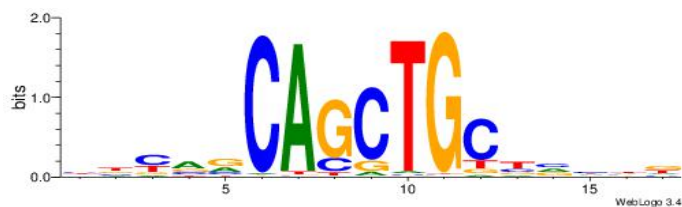
Motif ID: [UP00099](#)
 Motif name: Ascl2_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0368478

Alignment:

BBYVVCAGCTGCBVHHD
 SKCSVHMTCTDBSKCSV

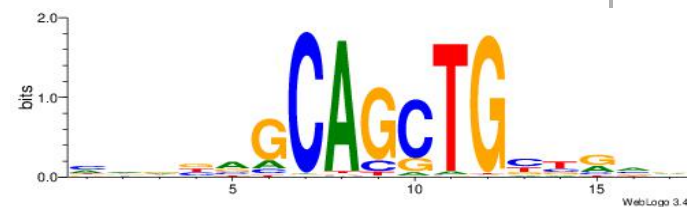
Original motif

Consensus sequence: BBYVVCAGCTGCBVHHD



Reverse complement motif

Consensus sequence: HHDVVCAGCTGVBKVB

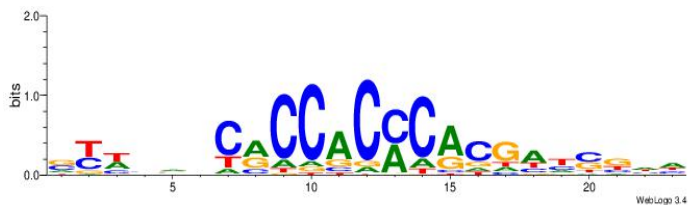


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1

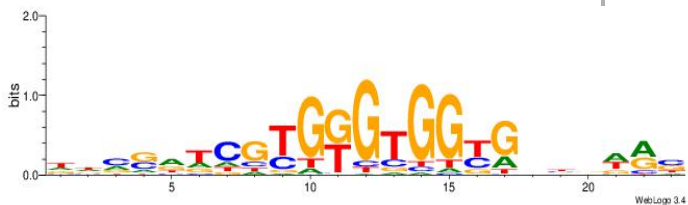
Number of overlap: 17
Similarity score: 0.0387638

Alignment:
HHBSHTCGTGRGTGGKGDBVWMV
-----VSGRSBHAGARDVSGRS

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



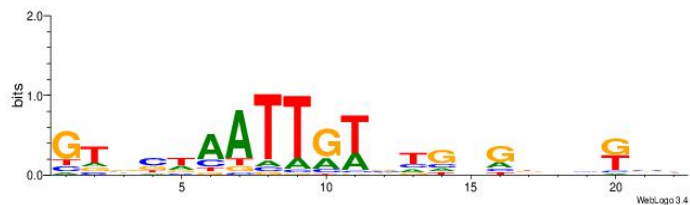
Motif ID: [UP00034](#)
Motif name: Sox7_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 17
Similarity score: 0.0394694

Alignment:
GTVBDAATTGTVTGHGDDHKVB
---SKCSVHMTCTDBSKCSV--

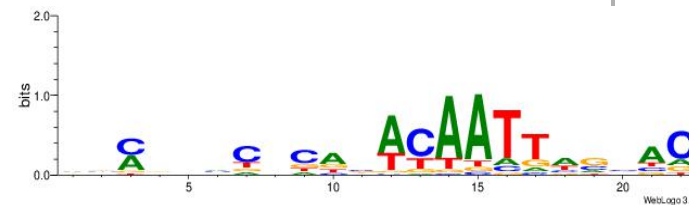
Original motif

Reverse complement motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Consensus sequence: VVYDDDCHCAVACAATTDBVAC



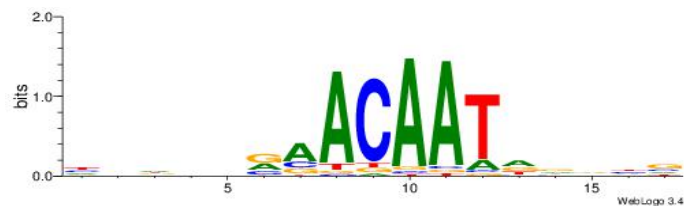
Motif ID: [UP00016](#)
Motif name: Sry_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 17
Similarity score: 0.0403194

Alignment:

HHDHRAACAATDDVHV
VSGRSBHAGARDVSGRS

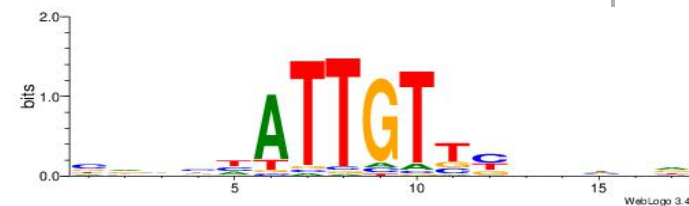
Original motif

Consensus sequence: HHDHRAACAATDDVHV



Reverse complement motif

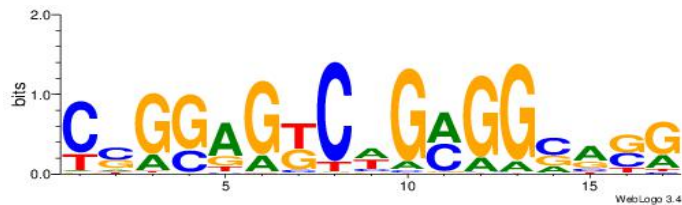
Consensus sequence: VHVHDATTGTTMHDDDH



Dataset #: 1 **Motif ID: 86** **Motif name: C086**

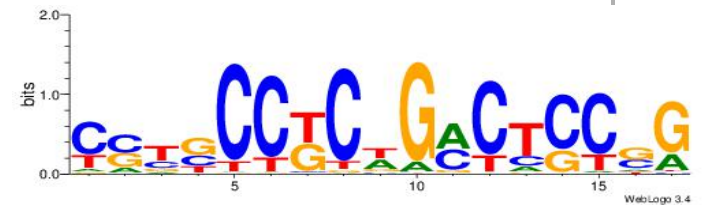
Original motif

Consensus sequence: CSGGAGKCWGMGGSASG



Reverse complement motif

Consensus sequence: CSTSCCYCWGRCTCCSG



Best Matches for Motif ID 86 (Highest to Lowest)

Motif ID:	UP00540
Motif name:	Gli3_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	5
Number of overlap:	17
Similarity score:	0.0432994

Alignment:

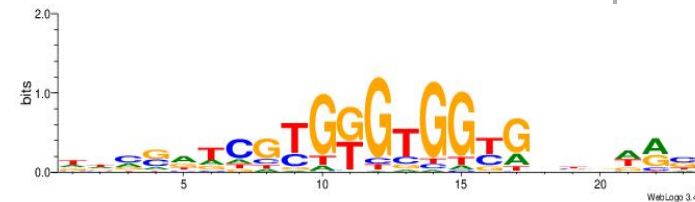
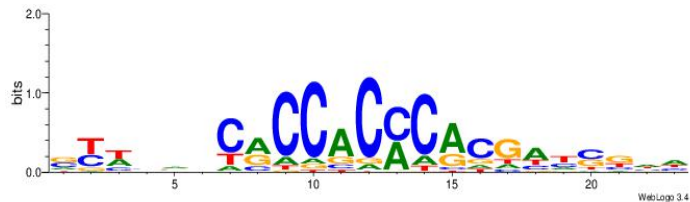
```
VYWVVHCRCCACMCACGAHSBHH
-----CSTSCCYCWGRCTCCSG--
```

Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

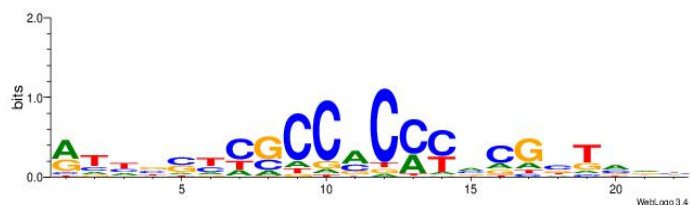


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 17
 Similarity score: 0.0456174

Alignment:
 HDBABCGBKRGYGGCGMSBHAK
 -CSGGAGKCWGMGGSASG----

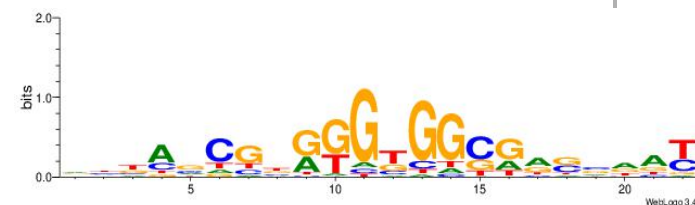
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID: [UP00538](#)

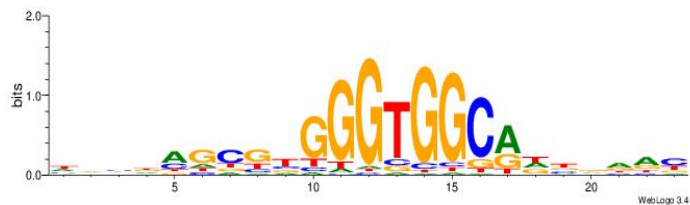
Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 17
 Similarity score: 0.0460804

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 ----CSTSCCYCWGRCTCCSG--

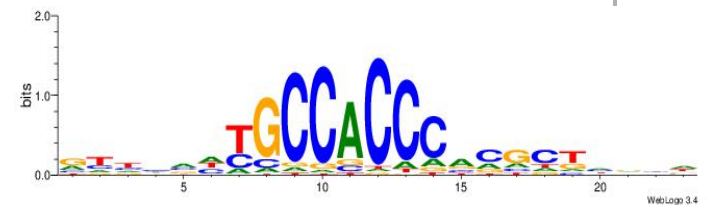
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

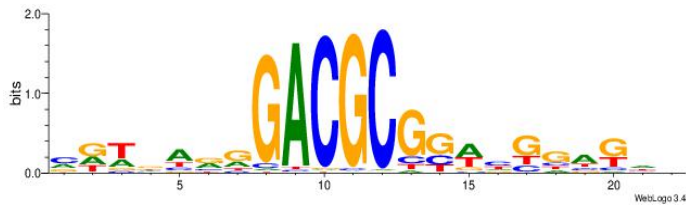


Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 17

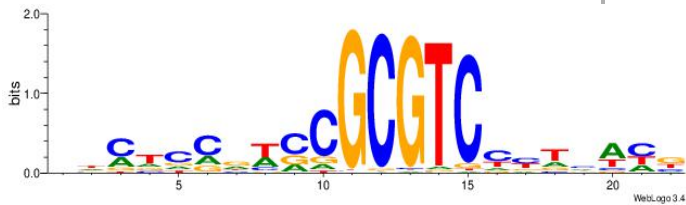
Similarity score: 0.052654

Alignment:
VDWDARRGACGCGGWHGGAKHV
----CSGGAGKCGMGGASG-

Original motif
Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV

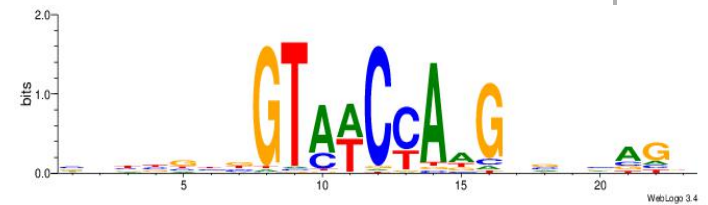
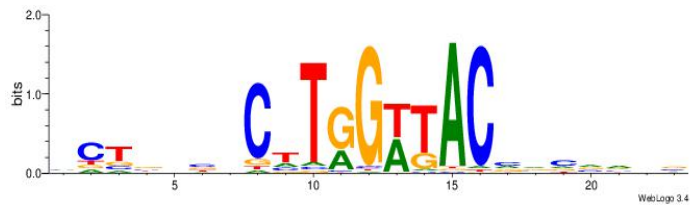


Motif ID: [UP00098](#)
Motif name: Rfx3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 17
Similarity score: 0.0530373

Alignment:
BDBBVBVGTAWCCAAGVBHBAGB
----CSGGAGKCGMGGASG--

Original motif
Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB

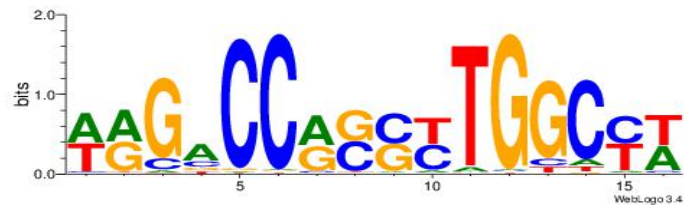
Reverse complement motif
Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



Dataset #: 1 Motif ID: 87 Motif name: C087

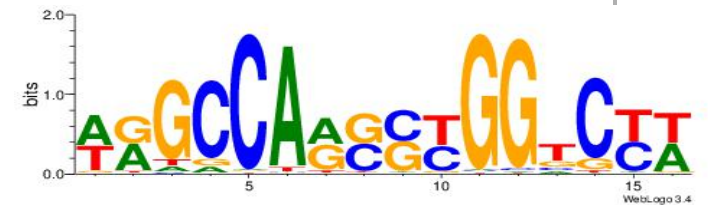
Original motif

Consensus sequence: WRGACCRSSYTGGCYW



Reverse complement motif

Consensus sequence: WKGCCAMSSKGGTCKW



Best Matches for Motif ID 87 (Highest to Lowest)

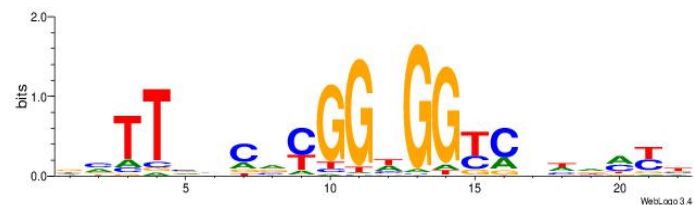
Motif ID:	UP00540
Motif name:	Gli3_v015681_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	16
Similarity score:	0.0240508

Alignment:

DVTTVVCVYGGHGGYCHHDMYB
 --WKGCCAMSSKGGTCKW----

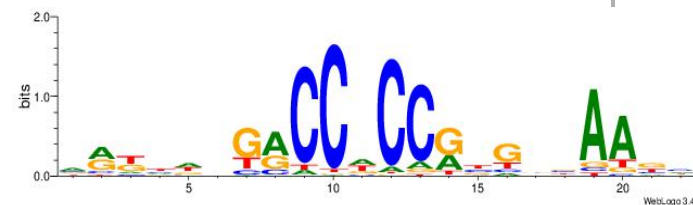
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH



Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	6
Number of overlap:	16
Similarity score:	0.0273083

Alignment:

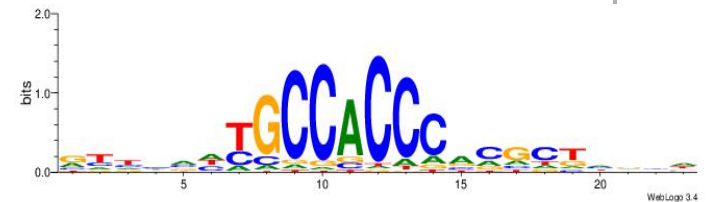
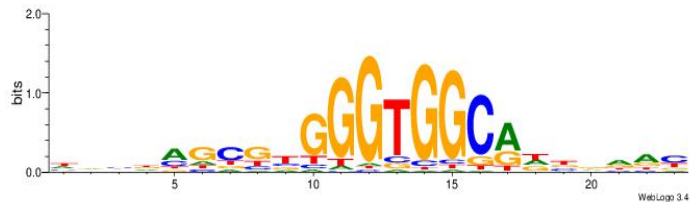
BDDHVDKGCCACCCVCGCTDBVH
 -----WKGCCAMSSKGGTCKW--

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

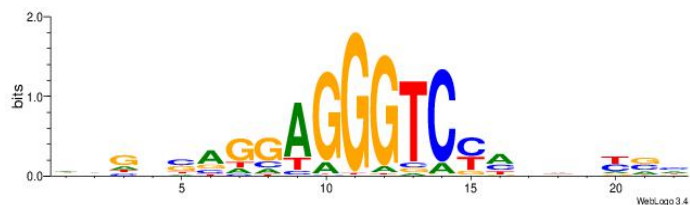
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



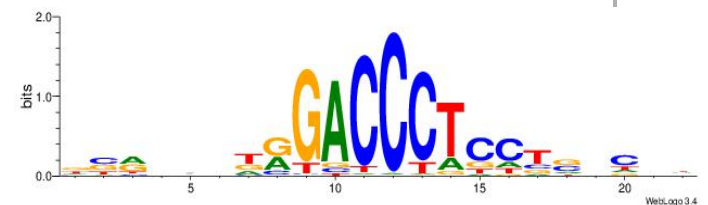
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0299939

Alignment:
 HVGVSAGGAGGGTCYHHHHYVH
 -----WRGACCRSSYTGGCYW

Original motif
 Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif
 Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary

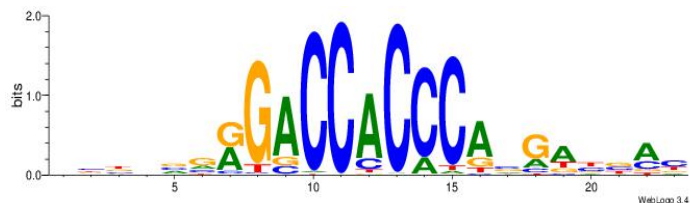
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 16
 Similarity score: 0.0316295

Alignment:

BBBDVVRGACCACCCAVGABBAB
 -----WRGACCRSSYTGGCYW--

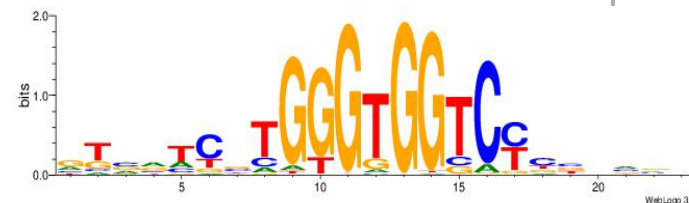
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



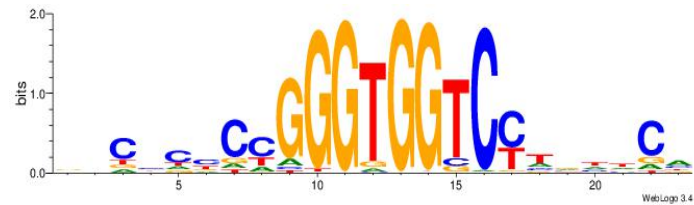
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 16
 Similarity score: 0.031888

Alignment:

```
HGDHVKHGACCAACCGGBGBGDB
-----WRGACCRSSYTGGCYW--
```

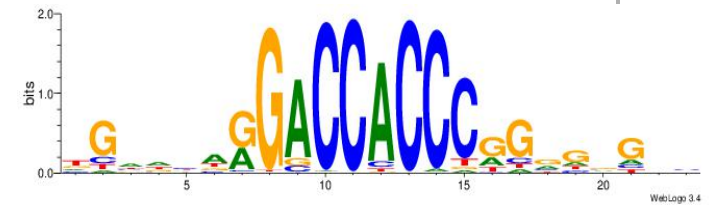
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif

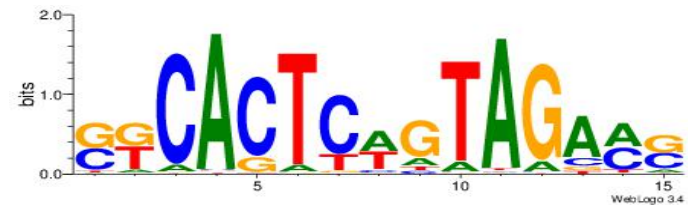
Consensus sequence: HGDHVKHGACCAACCGGBGBGDB



Dataset #: 1 Motif ID: 88 Motif name: C088

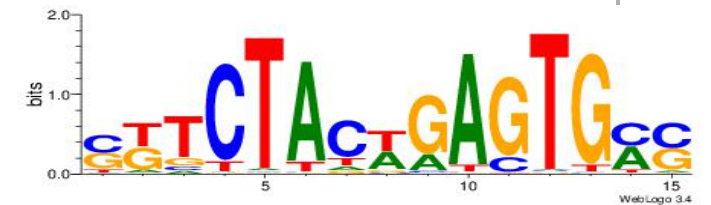
Original motif

Consensus sequence: SKCACTCWGTAGAMS



Reverse complement motif

Consensus sequence: SYTCTACWGAGTGYS



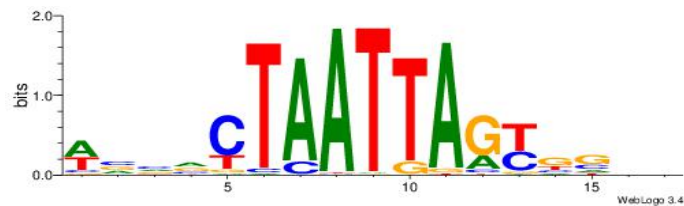
Best Matches for Motif ID 88 (Highest to Lowest)

Motif ID:	UP00201
Motif name:	Emx2
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif

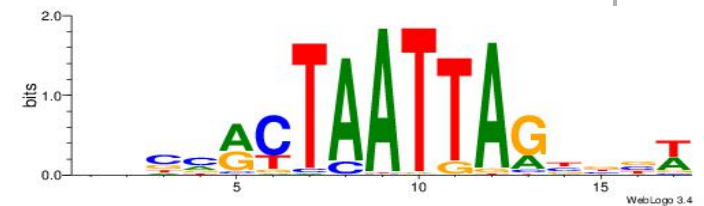
Direction: Backward
Position number: 2
Number of overlap: 15
Similarity score: 0.028571

Alignment:
WVVVCTAATTAGYBGHB
-SYTCTACWGAGTGYS-

Original motif
Consensus sequence: WVVVCTAATTAGYBGHB



Reverse complement motif
Consensus sequence: BHCBMCTAATTAGBVVW



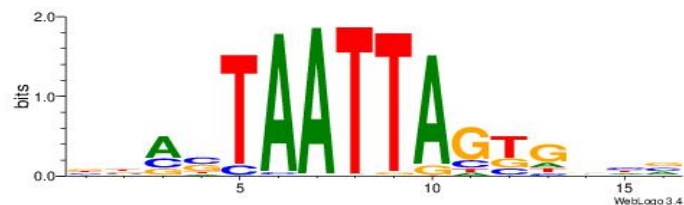
Motif ID: [UP00123](#)
Motif name: Hlxb9
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 15
Similarity score: 0.0306813

Alignment:

BBASTAATTAGTGVHV
SYTCTACWGAGTGYS-

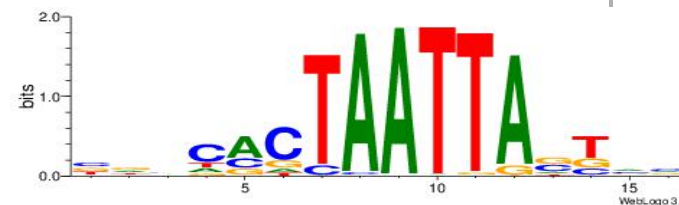
Original motif

Consensus sequence: BBASTAATTAGTGVHV



Reverse complement motif

Consensus sequence: VDVCACTAATTASTVB



Motif ID: [UP00162](#)
Motif name: Evx1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 15
Similarity score: 0.0319373

Alignment:

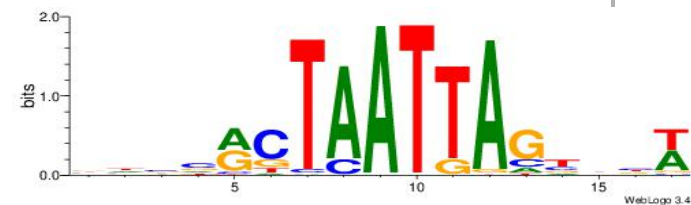
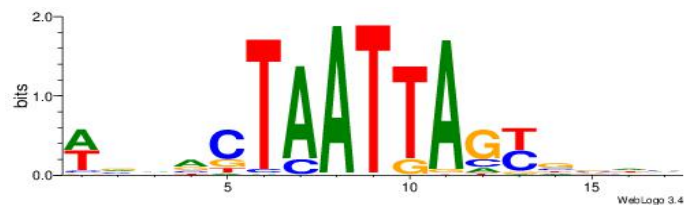
WVHVCTAATTAGYBVDV
-SYTCTACWGAGTGYS-

Original motif

Consensus sequence: WVHVCTAATTAGYBVDV

Reverse complement motif

Consensus sequence: VDVBMCTAATTAGBHVW

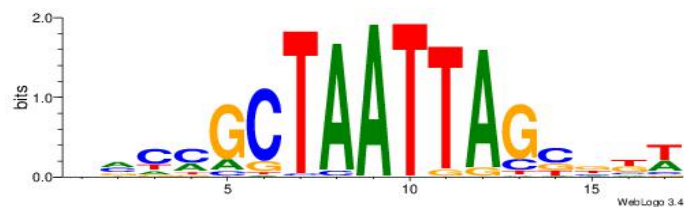


Motif ID: [UP00132](#)
 Motif name: Evx2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0320303

Alignment:
 WRBGCTAATTAGCRGGBB
 -SYTCTACWGAGTGYS-

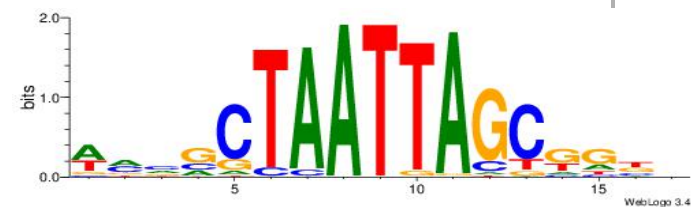
Original motif

Consensus sequence: BVCMGCTAATTAGCBKW



Reverse complement motif

Consensus sequence: WRBGCTAATTAGCRGGBB



Motif ID: [UP00116](#)

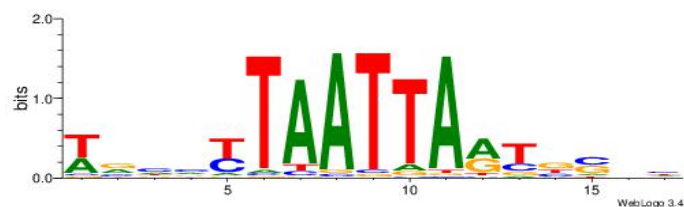
Motif name: Rhox6
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0322217

Alignment:

WWHVYTAATTARTBSDH
 -SYTCTACWGAGTGYS-

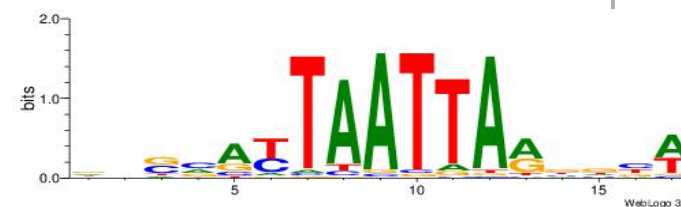
Original motif

Consensus sequence: WWHVYTAATTARTBSDH



Reverse complement motif

Consensus sequence: DDSBAKTAATTAMVDVW



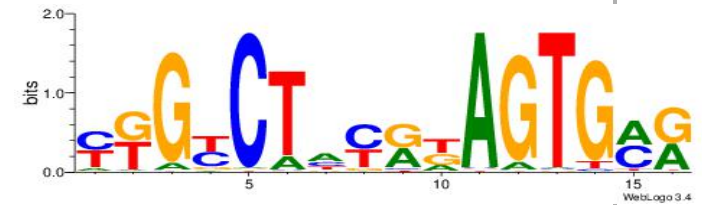
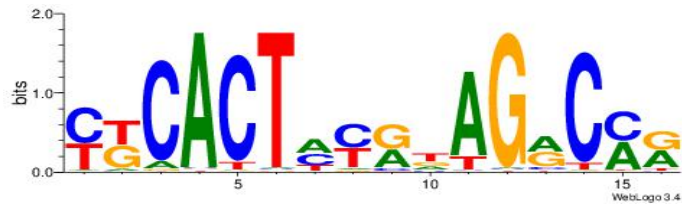
Dataset #: 1 Motif ID: 89 Motif name: C089

Original motif

Consensus sequence: YKCACTMYRDAGRCMR

Reverse complement motif

Consensus sequence: MRGKCTDMKYAGTGRK



Best Matches for Motif ID 89 (Highest to Lowest)

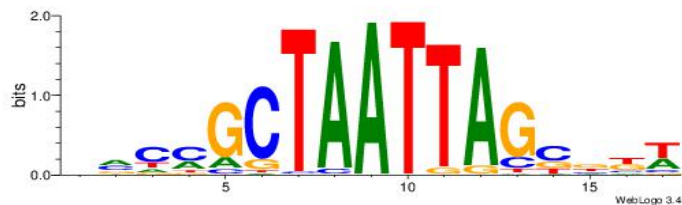
Motif ID: [UP00132](#)
 Motif name: Evx2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0412748

Alignment:

WRBGCTAATTAGCRGBB
 MRGKCTDMKYAGTGRK-

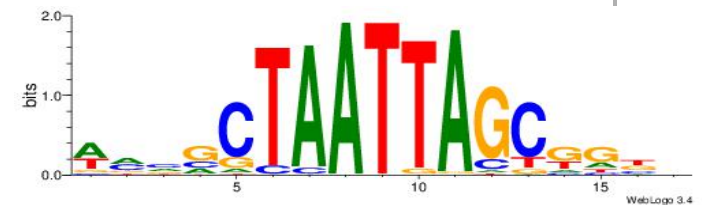
Original motif

Consensus sequence: BVCMGCTAATTAGCBKW



Reverse complement motif

Consensus sequence: WRBGCTAATTAGCRGBB



Motif ID: [UP00131](#)

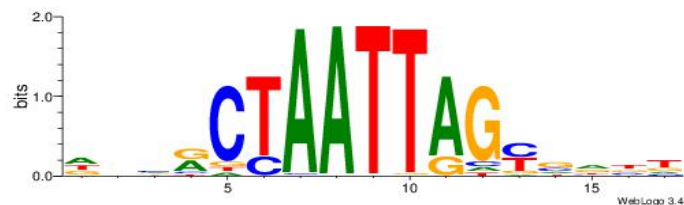
Motif name: Gbx2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0424502

Alignment:

DVDVKCTAATTAGMVVD
 -MRGKCTDMKYAGTGRK

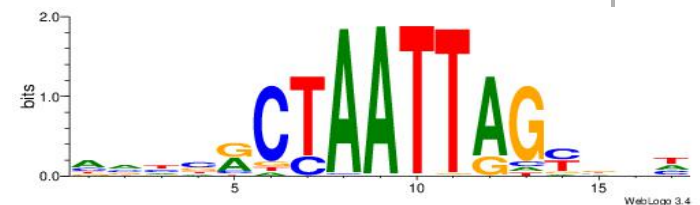
Original motif

Consensus sequence: DVVRCTAATTAGYVDBD



Reverse complement motif

Consensus sequence: DVDVKCTAATTAGMVVD



Motif ID: [UP00201](#)
 Motif name: Emx2
 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: 0.0439615

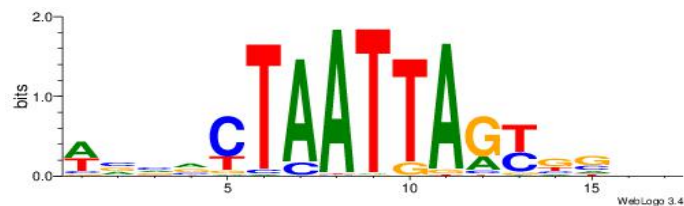
Alignment:

WVVCTAATTAGYBGHB

MRGKCTDMKYAGTGRK-

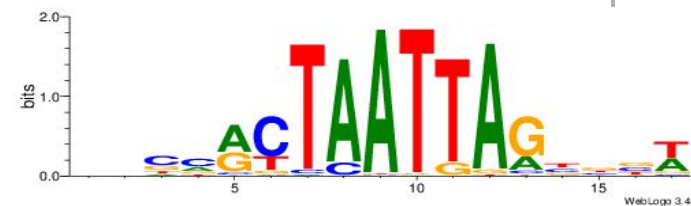
Original motif

Consensus sequence: WVVCTAATTAGYBGHB



Reverse complement motif

Consensus sequence: BHCBMCTAATTAGBVVW



Motif ID: [UP00184](#)
Motif name: Lhx8
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: 0.0454659

Alignment:

CAHHGCTAATTAGVVVH

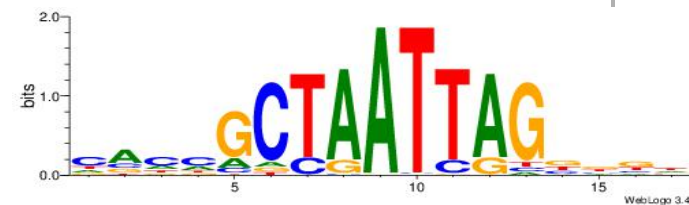
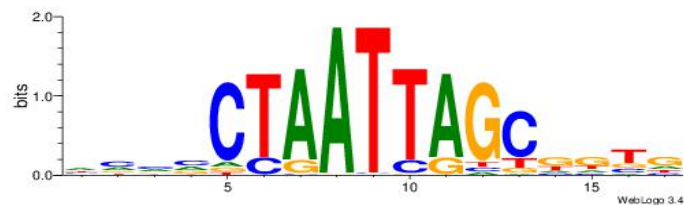
MRGKCTDMKYAGTGRK-

Original motif

Consensus sequence: HVVCTAATTAGCDDTG

Reverse complement motif

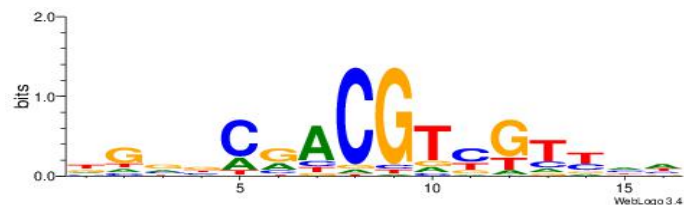
Consensus sequence: CAHHGCTAATTAGVVVH



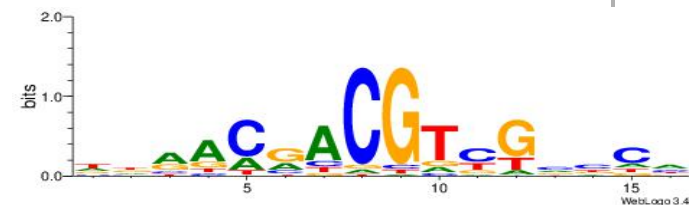
Motif ID: [UP00084](#)
 Motif name: Gmeb1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0461544

Alignment:
 DGVBCRACGTYGTYHH
 YKCACTMYRDAGRCMR

Original motif
 Consensus sequence: DGVBCRACGTYGTYHH



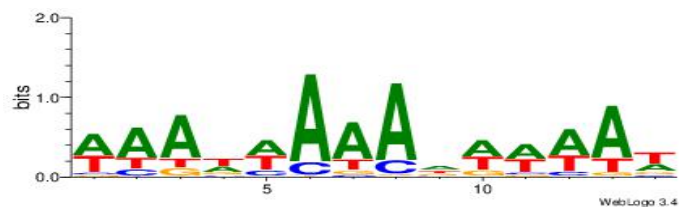
Reverse complement motif
 Consensus sequence: HHMACKACGTMGBVCD



Dataset #: 1 Motif ID: 90 Motif name: C090

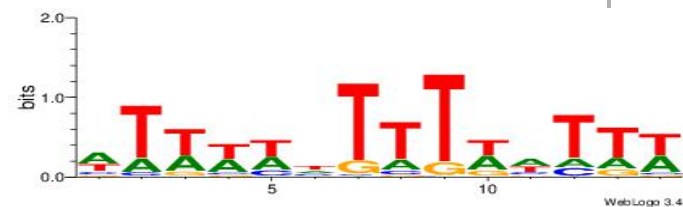
Original motif

Consensus sequence: WAAWWAAADWWWAW



Reverse complement motif

Consensus sequence: WTWWDTTTWWTTW



Best Matches for Motif ID 90 (Highest to Lowest)

Motif ID:	UP00090
Motif name:	Elf3_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:	0.0393475

Alignment:

DDHBTTTTTTTTTHDAVH

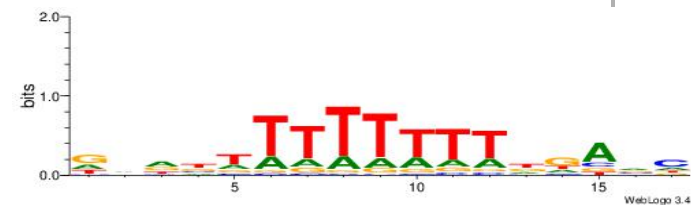
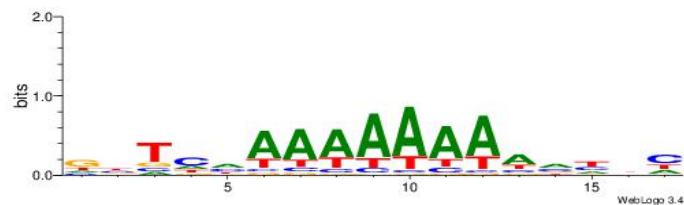
WTWWDDTTTWWTTW---

Original motif

Consensus sequence: DBTHHAAAAAAAAAVHDH

Reverse complement motif

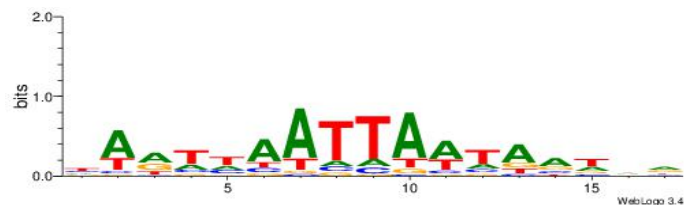
Consensus sequence: DDHBTTTTTTTTTHDAVH



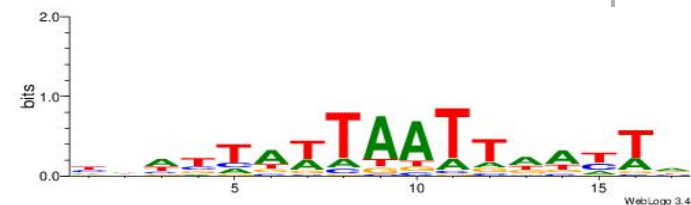
Motif ID: [UP00255](#)
 Motif name: Dbx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0396489

Alignment:
 HARTHAATTAWTAVDHD
 WAAWWAAADWWWAW---

Original motif
 Consensus sequence: HARTHAATTAWTAVDHD



Reverse complement motif
 Consensus sequence: DHDBTAWTAATTTHAKTH



Motif ID: [UP00077](#)
 Motif name: Srf_secondary

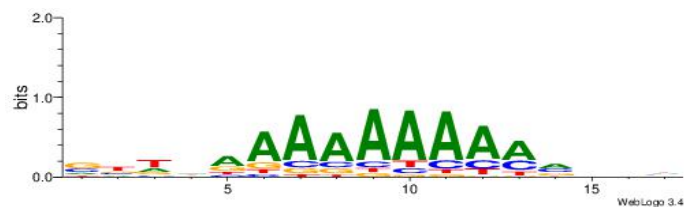
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0396638

Alignment:

HHVBYTTTTTTTDDVV
 WTWWDTTTWWTTW---

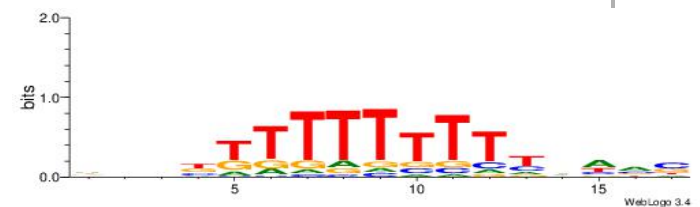
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTDDVV



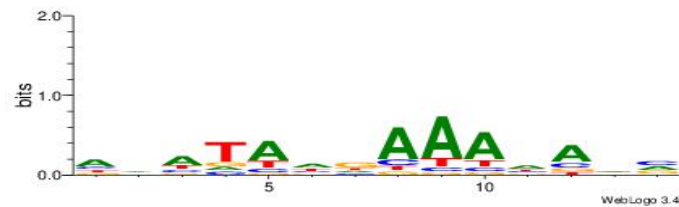
Motif ID: [UP00097](#)
 Motif name: Mtf1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0432915

Alignment:

VDTHTTTHHTATDH
WTWWWDTTTWTTW

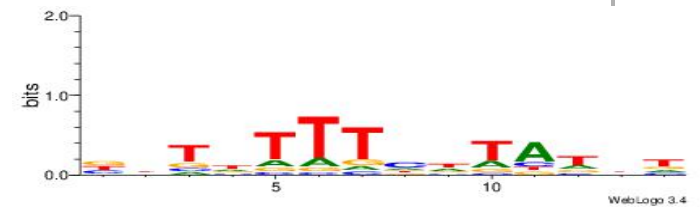
Original motif

Consensus sequence: HDATAHDAAAHADV



Reverse complement motif

Consensus sequence: VDTHTTTTHHTATDH



Motif ID:	UP00061
Motif name:	Foxl1_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	14
Similarity score:	0.0464108

Alignment:

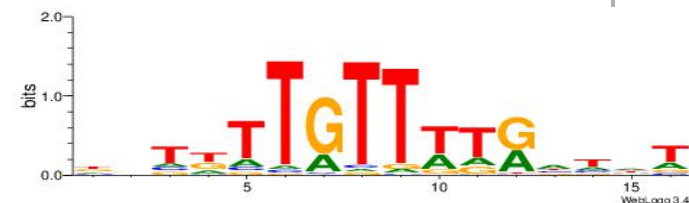
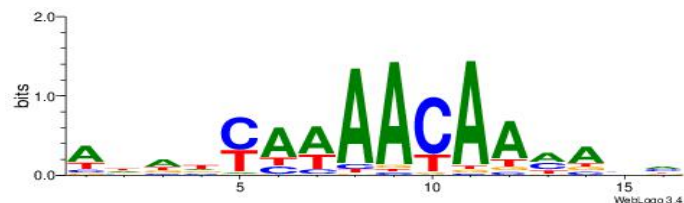
HDTYTTGTTWTKDDDT
-WTWWWDTTTWTTW-

Original motif

Consensus sequence: ADDDYAWAACAAMAHH

Reverse complement motif

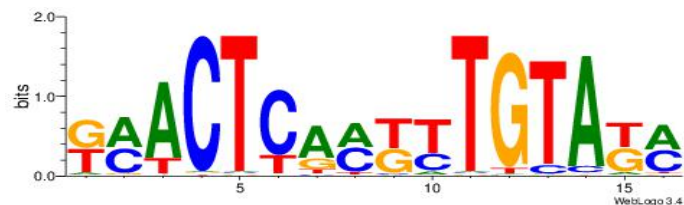
Consensus sequence: HDTYTTGTTWTKDDDT



Dataset #: 1 Motif ID: 91 Motif name: C091

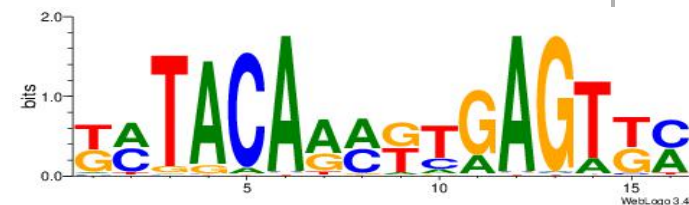
Original motif

Consensus sequence: KMACTCAMKYTGAKM



Reverse complement motif

Consensus sequence: YRTACAMRYTGAGTYY



Best Matches for Motif ID 91 (Highest to Lowest)

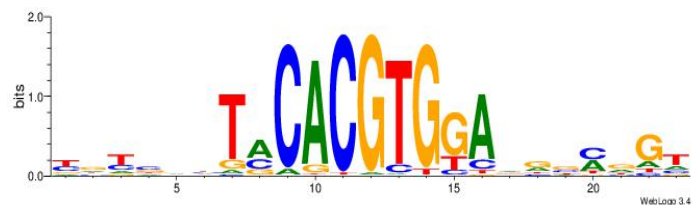
Motif ID:	UP00050
Motif name:	Bhlhb2_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	4
Number of overlap:	16
Similarity score:	0.0271799

Alignment:

YDYBDHTMCACGTGGADDBMDGT
 ----YRTACAMRYTGAGTYY----

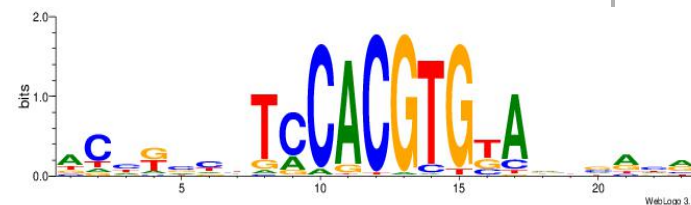
Original motif

Consensus sequence: YDYBDHTMCACGTGGADDBMDGT



Reverse complement motif

Consensus sequence: ACHRBHDTCCACGTGYAHHBMHM



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:	1
Number of overlap:	16
Similarity score:	0.0333934

Alignment:

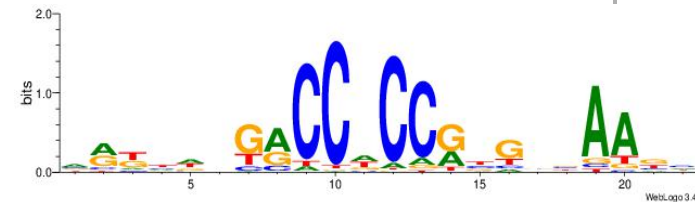
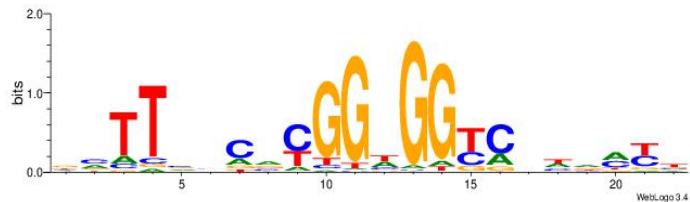
VMYDHDGMCCCHCKBGVVAHVH
 YRTACAMRYTGAGTYY-----

Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB

Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH



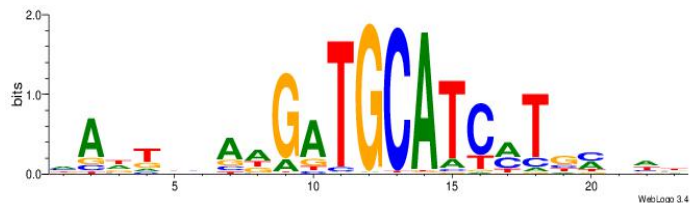
Motif ID: [UP00528](#)
 Motif name: Foxm1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0347276

Alignment:

HADTBVADGATGCATCMTGMVHB
 KMACTCAMKYTGAKM-----

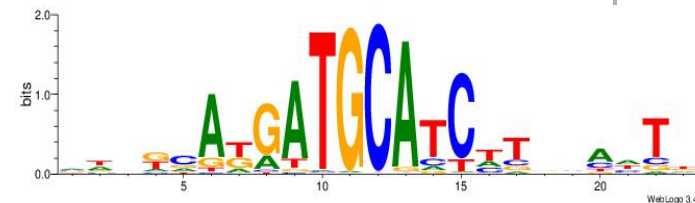
Original motif

Consensus sequence: HADTBVADGATGCATCMTGMVHB



Reverse complement motif

Consensus sequence: VHVRCAYGATGCATCDTVVADTH



Motif ID: [UP00034](#)
 Motif name: Sox7_secondary

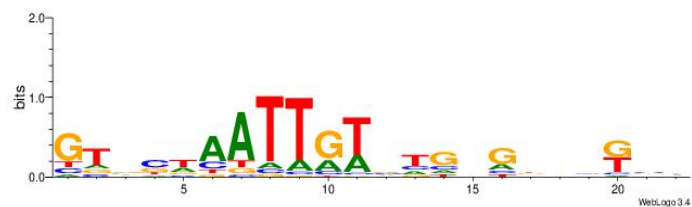
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 16
 Similarity score: 0.0370054

Alignment:

VVYDDDCHCAVACAATTDBVAC
 --YRTACAMRYTGAGTTY-----

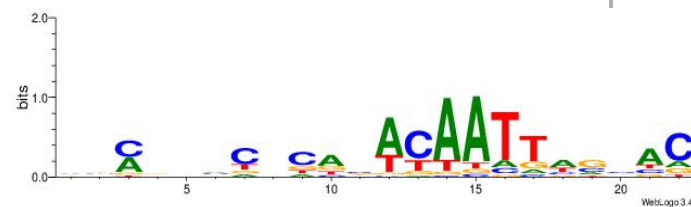
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



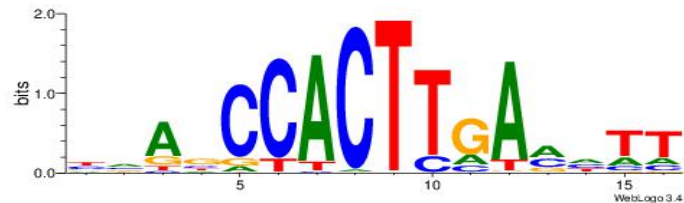
Motif ID: [UP00165](#)
 Motif name: Titf1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0386898

Alignment:

BVABCCACTTGAMHTT
KMACTCAMKYTGAKM

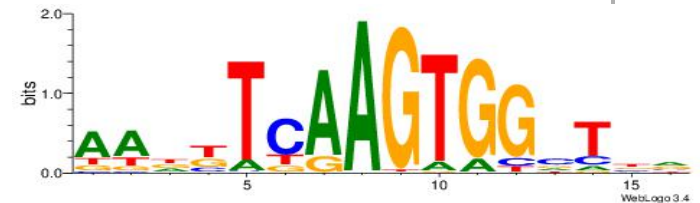
Original motif

Consensus sequence: BVABCCACTTGAMHTT



Reverse complement motif

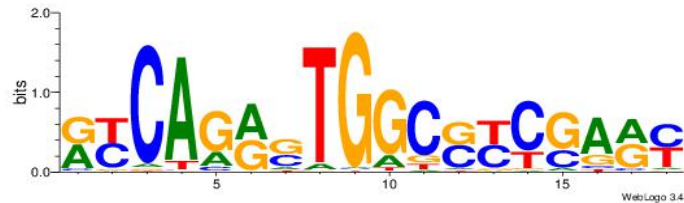
Consensus sequence: AAHYTCAAGTGGBTBV



Dataset #: 1 Motif ID: 92 Motif name: C092

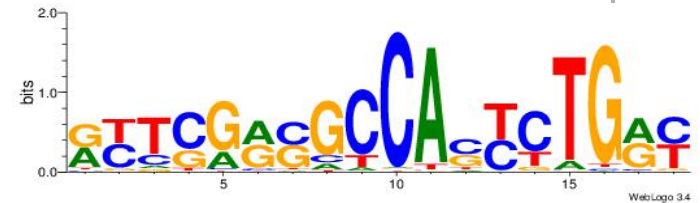
Original motif

Consensus sequence: RYCAGRSTGGCSYCGARY



Reverse complement motif

Consensus sequence: KKTCGMSGCCASKCTGMM



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:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward

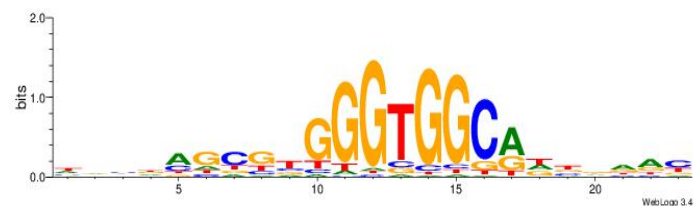
Position number: 1
Number of overlap: 18
Similarity score: 0.0336539

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
-----RYCAGRSTGGCSYCGARY

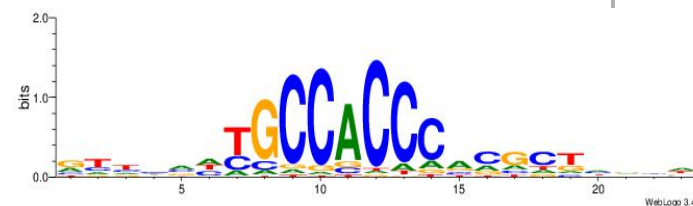
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



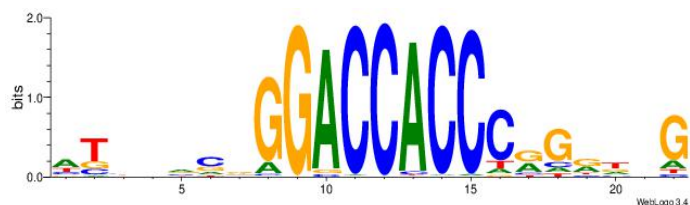
Motif ID: [UP00539](#)
Motif name: Gli2_v015681_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 18
Similarity score: 0.0406327

Alignment:

CBDMCMGGGTGGTCCHVBVBAH
--RYCAGRSTGGCSYCGARY--

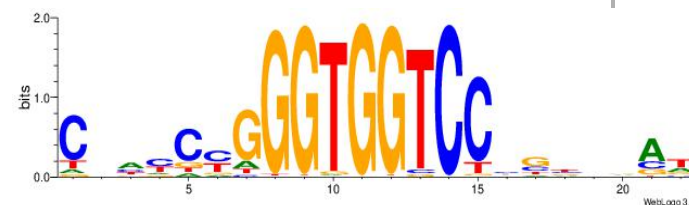
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



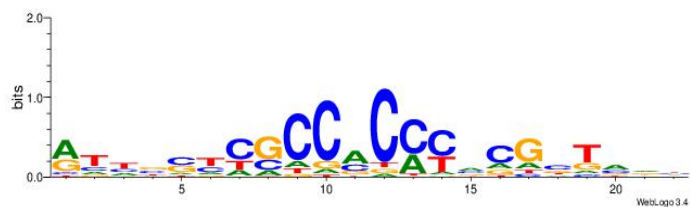
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.0436535

Alignment:

HDBABCBKRGYGGCGMSBHAK
 ----RYCAGRSTGGCSYCGARY

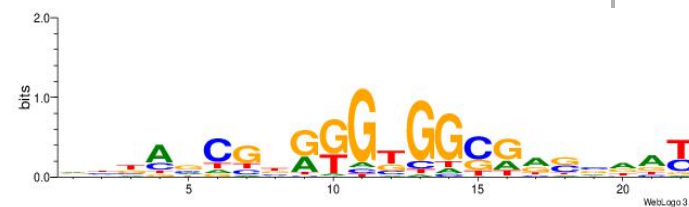
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCBKRGYGGCGMSBHAK



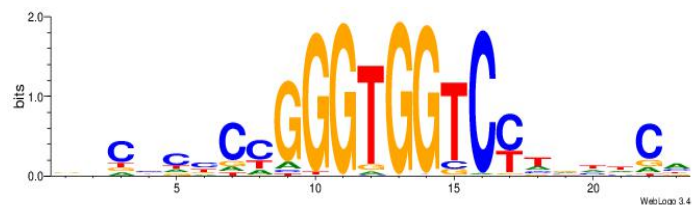
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 18
 Similarity score: 0.0459987

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
 ----RYCAGRSTGGCSYCGARY-

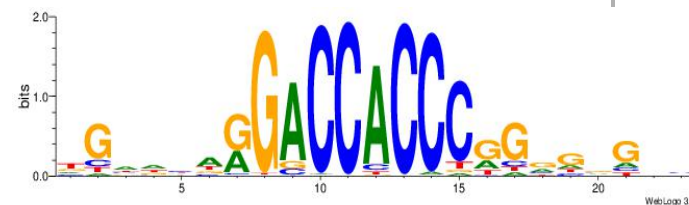
Original motif

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: Reverse Complement
 Direction: Forward

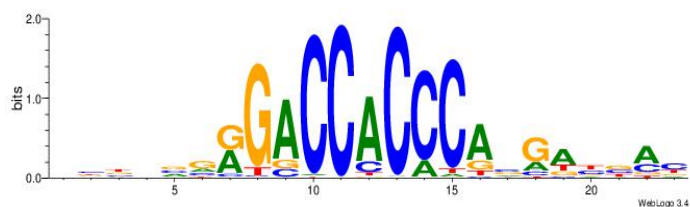
Position number: 5
 Number of overlap: 18
 Similarity score: 0.0476871

Alignment:

BTBVTCTVGGGTGGTCMVVDVBB
 ----RYCAGRSTGGCSYCGARY--

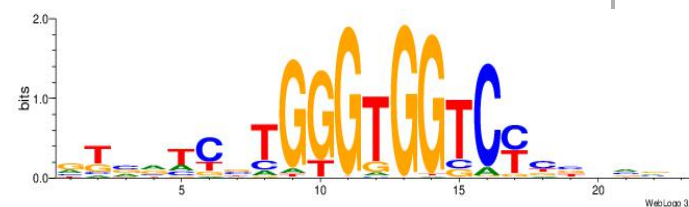
Original motif

Consensus sequence: BBBDVVRGACCACCAVGABBAB



Reverse complement motif

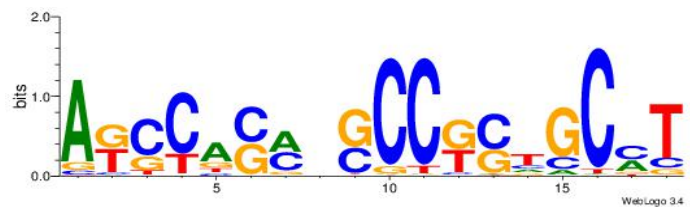
Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



Dataset #: 1 Motif ID: 93 Motif name: C093

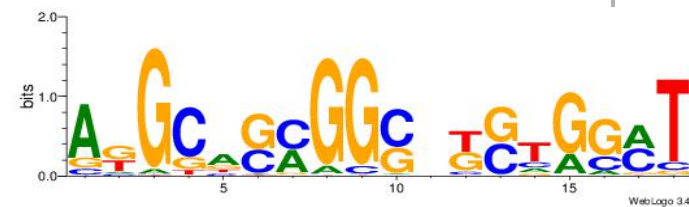
Original motif

Consensus sequence: AKCCASMBSCCKSTGCMT



Reverse complement motif

Consensus sequence: ARGCASYGGSVYSTGGYT



Best Matches for Motif ID 93 (Highest to Lowest)

Motif ID: [UP00400](#)
 Motif name: Zif268

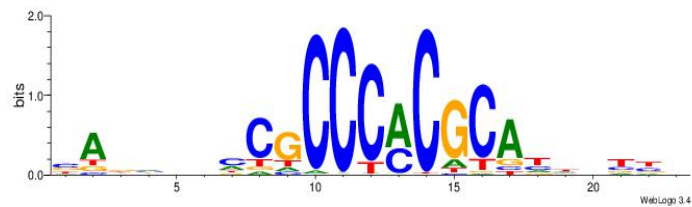
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 18
Similarity score: 0.0389257

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
AKCCASMBSCCKSTGCMT-----

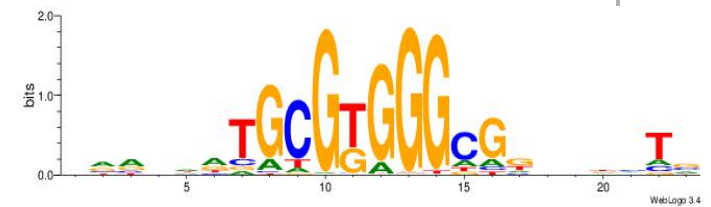
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHHTB



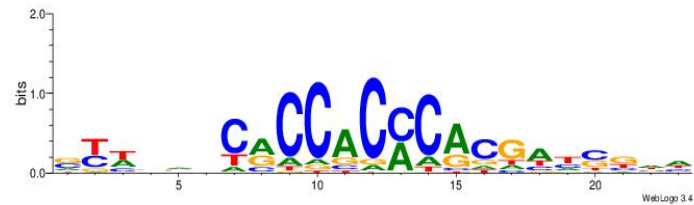
Motif ID: [UP00540](#)
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 18
Similarity score: 0.0409936

Alignment:

VYWVVHCRCCACMCACGAHSBHH
--AKCCASMBSCCKSTGCMT--

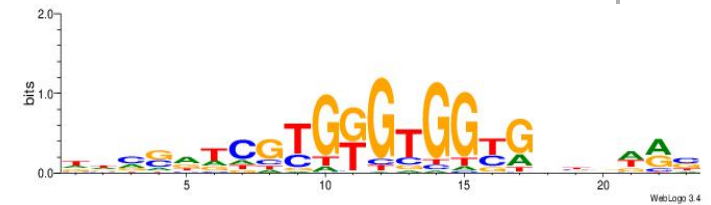
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGK GDBVWMV



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:	3
Number of overlap:	18
Similarity score:	0.0442874

Alignment:

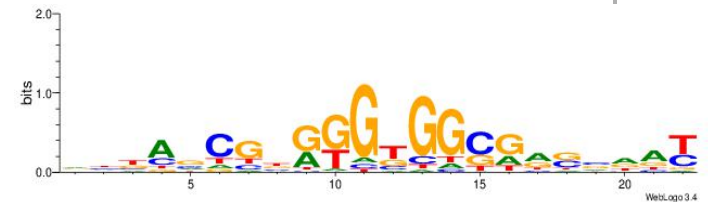
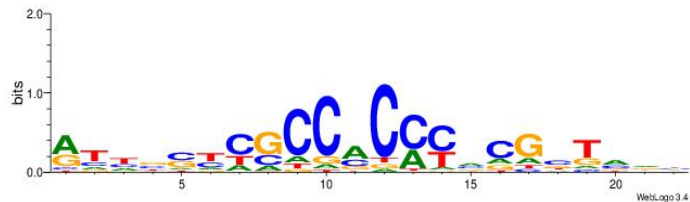
RTHBSYCGCCMCMYVCGBTVDH
--AKCCASMBSCCKSTGCMT--

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

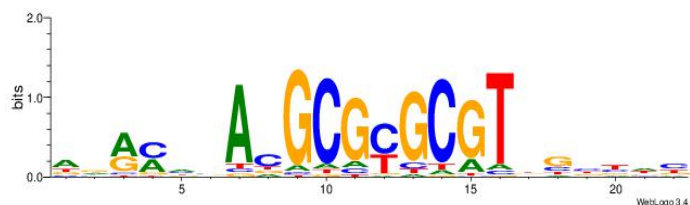


Motif ID: [UP00526](#)
 Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0446823

Alignment:
 DDRMHBACGCGYGCGTDGBBDB
 ARGCASYGGSVYSTGGYT----

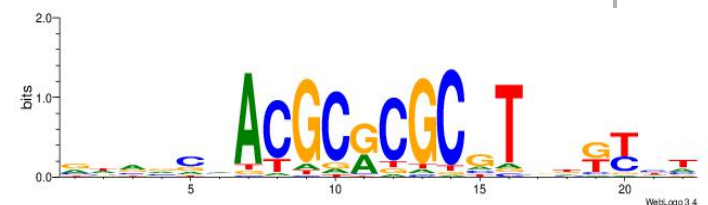
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD

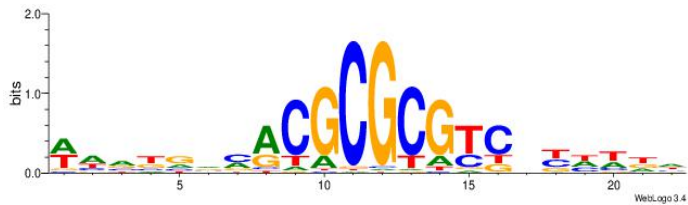


Motif ID: [UP00526](#)

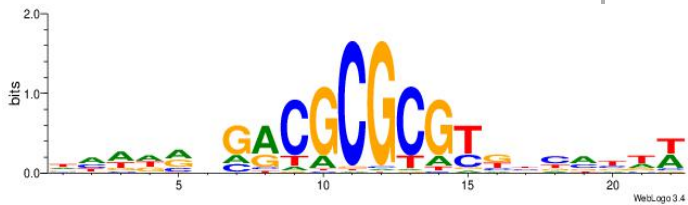
Motif name: Foxn1_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 18
Similarity score: 0.0463423

Alignment:
WHVBVVMACGCGCGTCDYHWDH
---ARGCASYGGSVYSTGGYT-

Original motif
Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



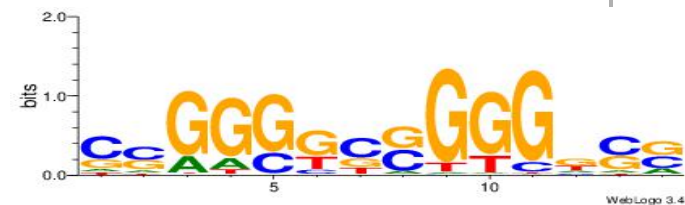
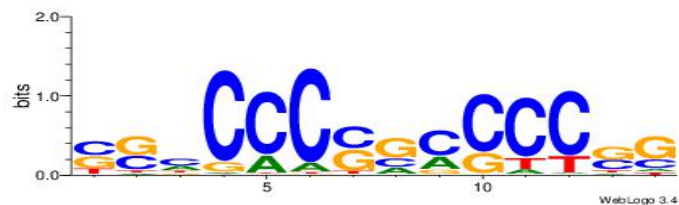
Reverse complement motif
Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



Dataset #: 1 Motif ID: 94 Motif name: C094

Original motif
Consensus sequence: SSHCCCSGCCCSG

Reverse complement motif
Consensus sequence: CSGGGGCSGGDSS



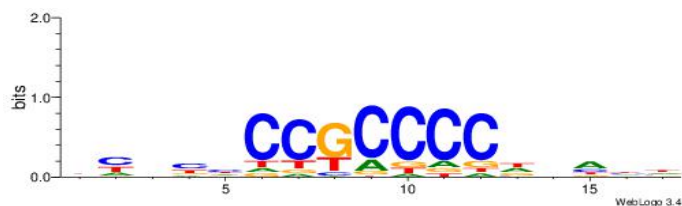
Best Matches for Motif ID 94 (Highest to Lowest)

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: 4
 Number of overlap: 14
 Similarity score: 0.0170835

Alignment:
 BHHBHCCGCCCCDHHHH
 SSHCCCSGCCCCSG---

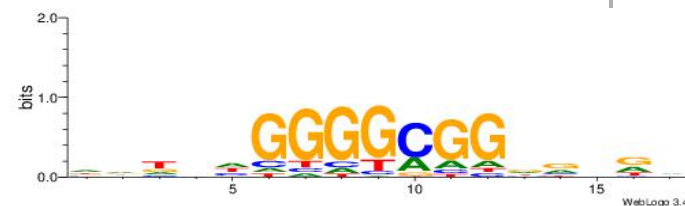
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



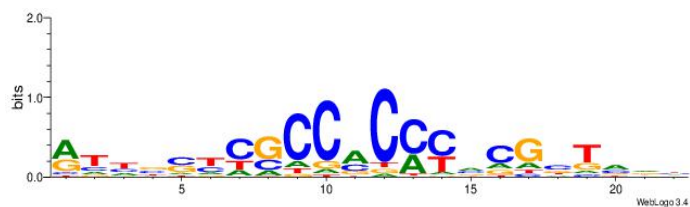
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0203409

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 ---SSHCCCSGCCCSG-----

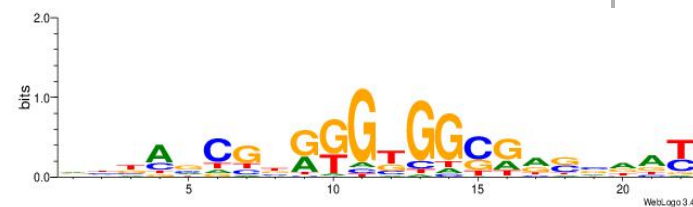
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

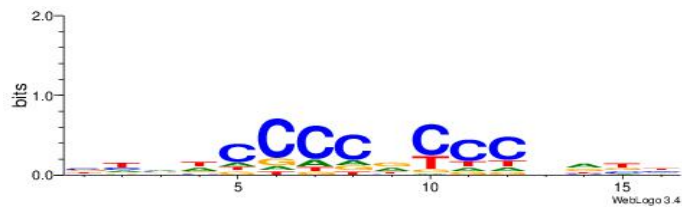


Motif ID: [UP00099](#)
 Motif name: Ascl2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2

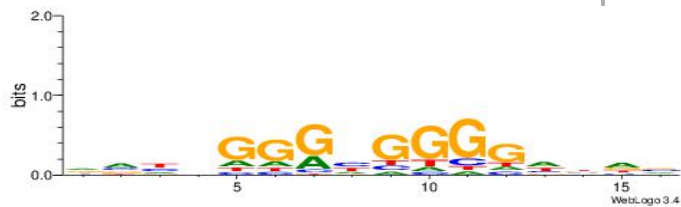
Number of overlap: 14
Similarity score: 0.0229345

Alignment:
HVDVGGGHGGGGDBHB
-CSGGGGCSGGGDSS-

Original motif
Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif
Consensus sequence: HVDVGGGHGGGGDBHB



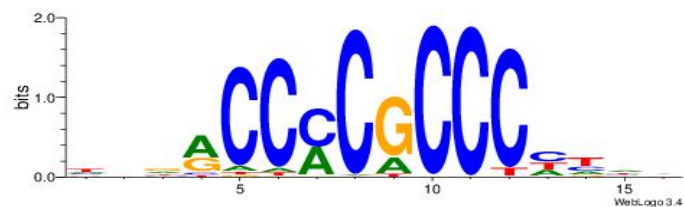
Motif ID: [UP00093](#)
Motif name: Klf7_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0239192

Alignment:
DHHDGGGCGRGGKHBH
-CSGGGGCSGGGDSS-

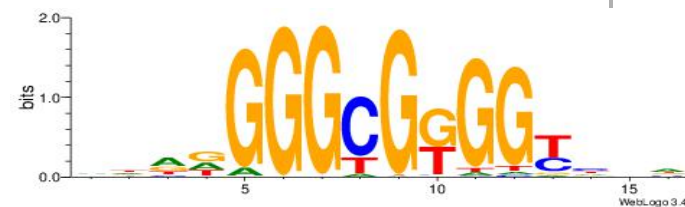
Original motif

Reverse complement motif

Consensus sequence: HBDRCMCGCCCHHHD



Consensus sequence: DHHDGGGCGRGGKHBH



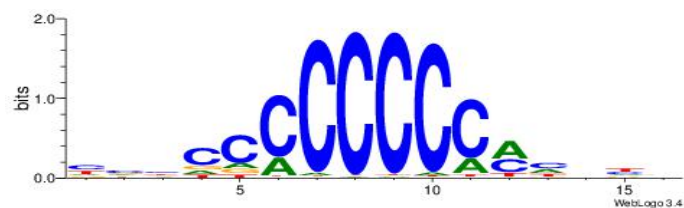
Motif ID: [UP00022](#)
Motif name: Zfp740_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 14
Similarity score: 0.0245603

Alignment:

HVBCCCCCCCCMHHHB
-SSHCCCSGCCCSG-

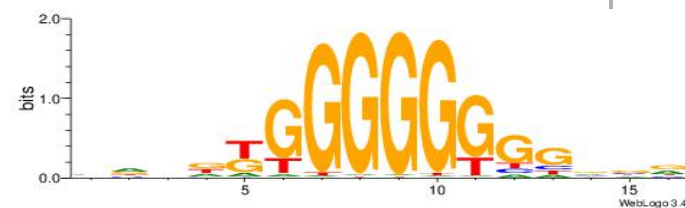
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

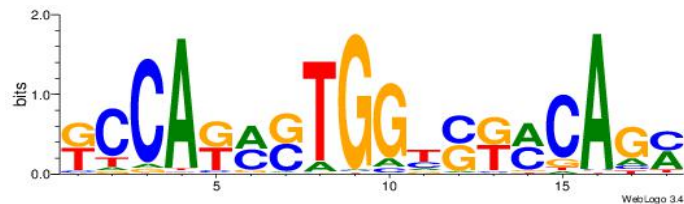
Consensus sequence: BHHDYGGGGGGGGGBVD



Dataset #: 1 **Motif ID: 95** **Motif name: C095**

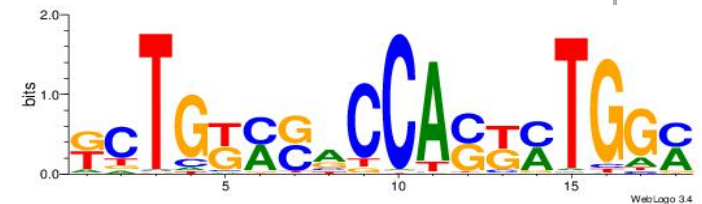
Original motif

Consensus sequence: KCCAKMSTGGTSKMCAGM



Reverse complement motif

Consensus sequence: RCTGYYSACCASYTTGGY



Best Matches for Motif ID 95 (Highest to Lowest)

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:	18
Similarity score:	0.0278633

Alignment:

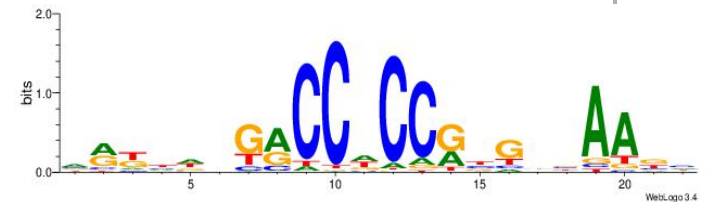
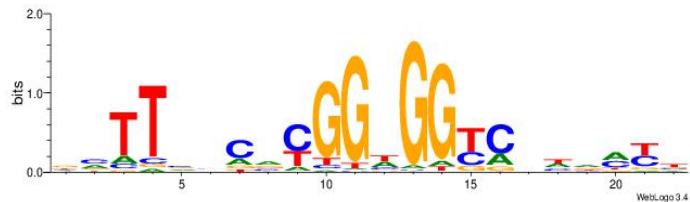
```
VMYDHDGMCCCHCKBGVVAHVH
RCTGYYSACCASYTTGGY----
```

Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB

Reverse complement motif

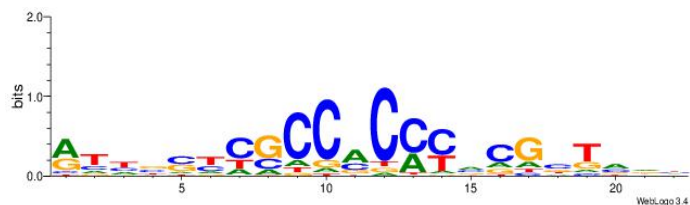
Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH



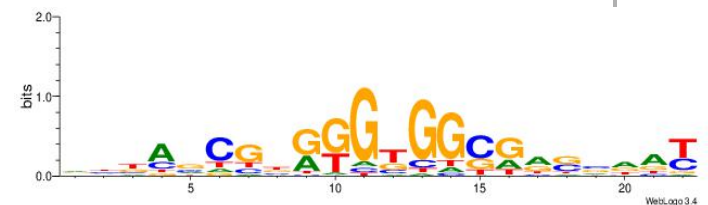
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0281669

Alignment:
 HDBABCGBKRGYGGCGMSBHAK
 RCTGYYSACCASYTGGY----

Original motif
 Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif
 Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



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

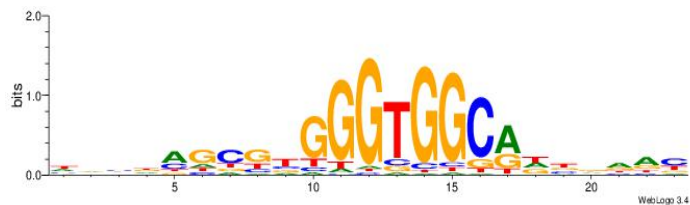
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 18
 Similarity score: 0.033095

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 ----RCTGYYSACCASYTGGY-

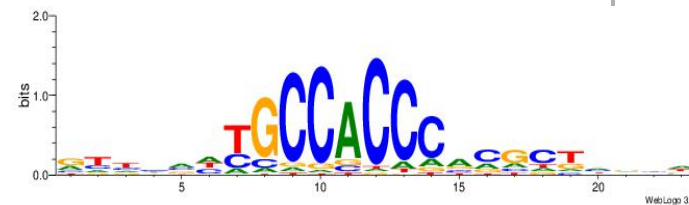
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



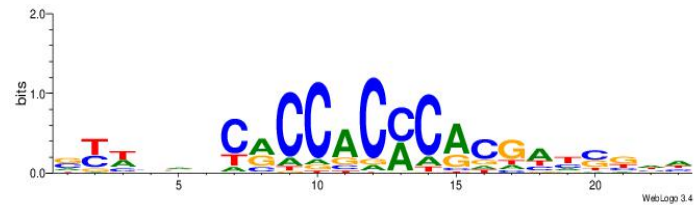
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 18
 Similarity score: 0.036897

Alignment:

```
HHBSHTCGTGRGTGGKGDBVWMV
-----KCCAKMSTGGTSKMCAGM
```

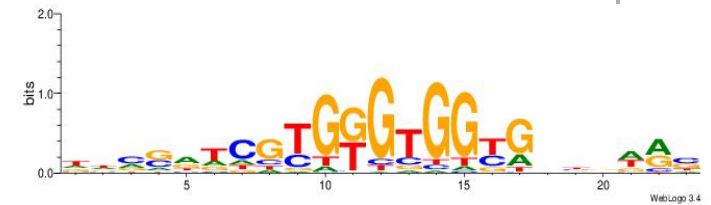
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



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:	5
Number of overlap:	18
Similarity score:	0.0379359

Alignment:

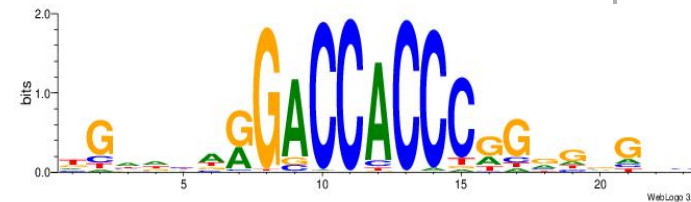
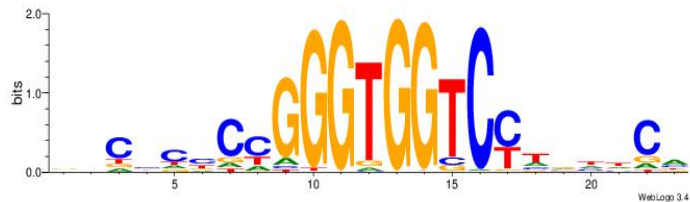
```
HGDHVHKGACCACCCGGBGBGDB
-RCTGYYSACCASYTGGY-----
```

Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH

Reverse complement motif

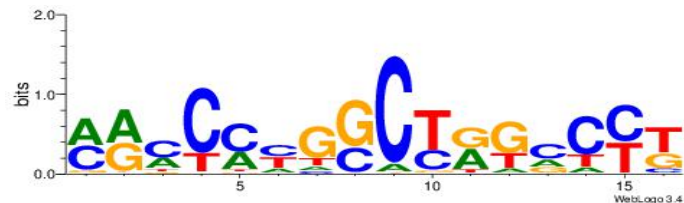
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



Dataset #: 1 Motif ID: 96 Motif name: C096

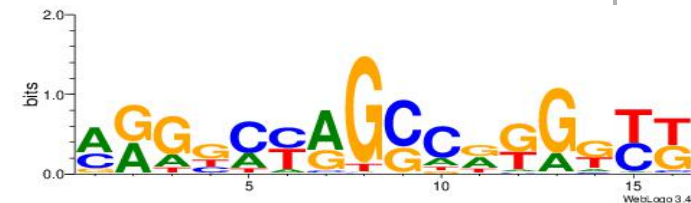
Original motif

Consensus sequence: MRMCMYGSCYRGCCYK



Reverse complement motif

Consensus sequence: RKGGCMMGSCKRGRKY



Best Matches for Motif ID 96 (Highest to Lowest)

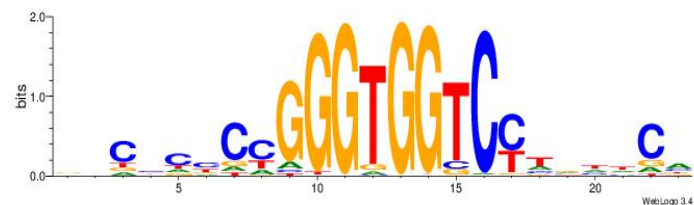
Motif ID:	UP00538
Motif name:	Gli1_v016060_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	16
Similarity score:	0.0346607

Alignment:

HGDHVKHGACCAACCGGBGBGDB
 -----RKGGCMMGSKRGRKY--

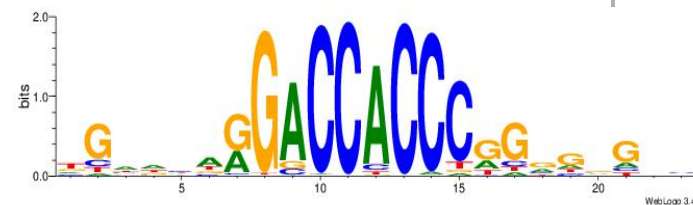
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVKHGACCAACCGGBGBGDB



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:	1
Number of overlap:	16
Similarity score:	0.0356309

Alignment:

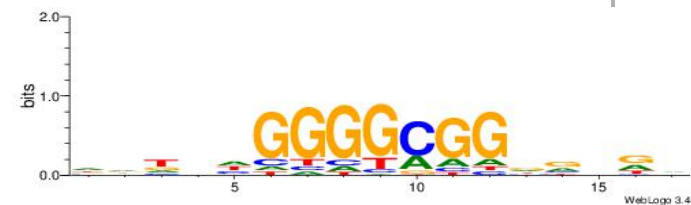
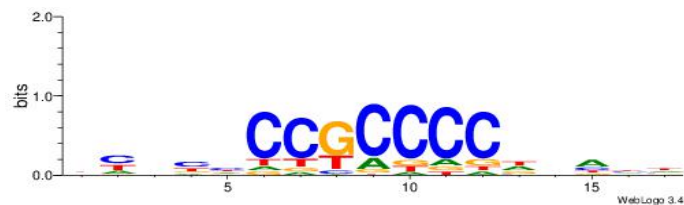
BHHBHCCGCCCCDHHHH
 -MRMCMYGSCYRGCCYK

Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH

Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV

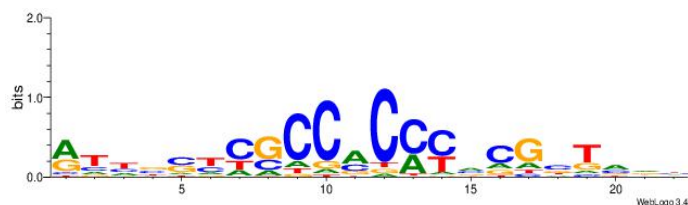


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 16
 Similarity score: 0.0379898

Alignment:
 HDBABCBKRGYGGCGMSBHAK
 --MRMCMYGSCYRGCCYK----

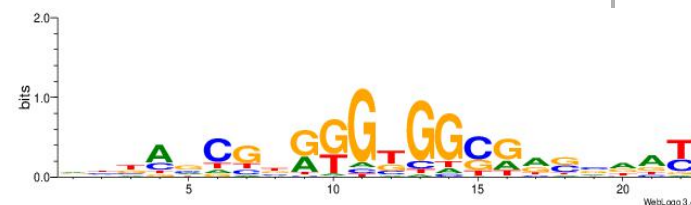
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCBKRGYGGCGMSBHAK



Motif ID: [UP00000](#)

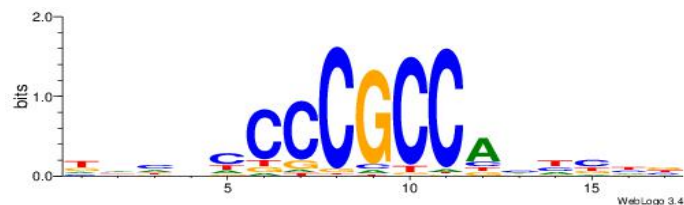
Motif name: Smad3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0407626

Alignment:

DHHBCCCCGCCAHHBHB
 -MRMCMYGSCYRGCCYK

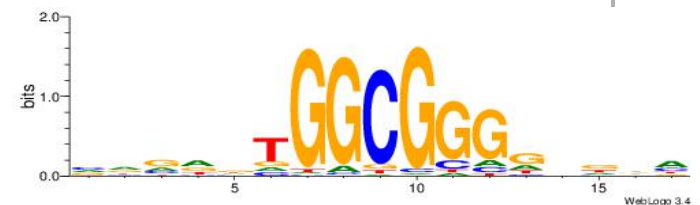
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD

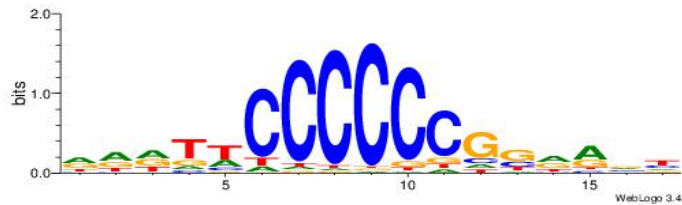


Motif ID: [UP00022](#)
 Motif name: Zfp740_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 16

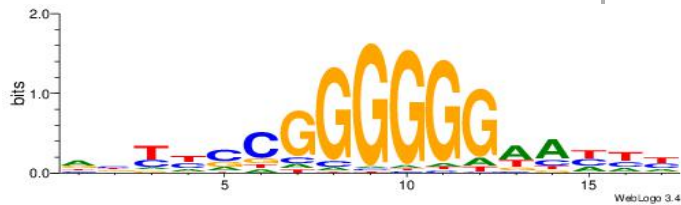
Similarity score: 0.0416066

Alignment:
DDDTWCCCCCGGDRVH
-RKGGCMMGSCKRGRKY

Original motif
Consensus sequence: DDDTWCCCCCGGDRVH

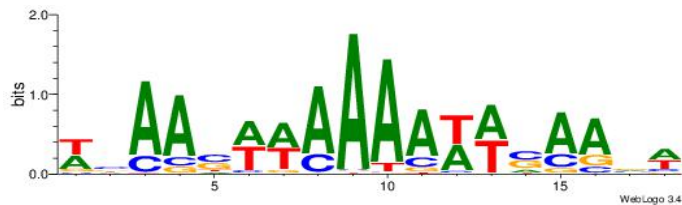


Reverse complement motif
Consensus sequence: HVKDCCGGGGGGWADDD

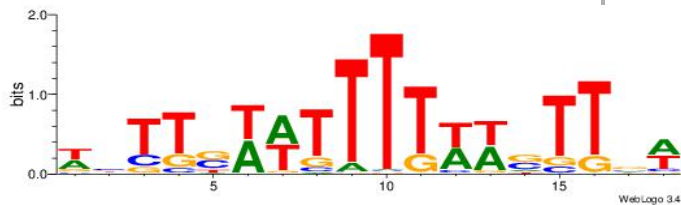


Dataset #: 1 Motif ID: 97 Motif name: C097

Original motif
Consensus sequence: WBAASWWAAAWWSAAVW



Reverse complement motif
Consensus sequence: WVTTSWWTTTTWWSTTBW



Best Matches for Motif ID 97 (Highest to Lowest)

Motif ID: [UP00034](#)
Motif name: Sox7_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement

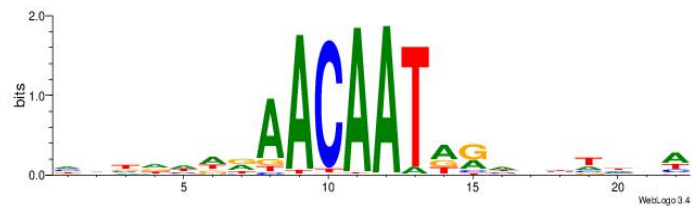
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	18
Similarity score:	0.032986

Alignment:

```
WBHHHHHMDATTGTTHDHDVHH
---WVTTSWWTTTTWWSTTBW-
```

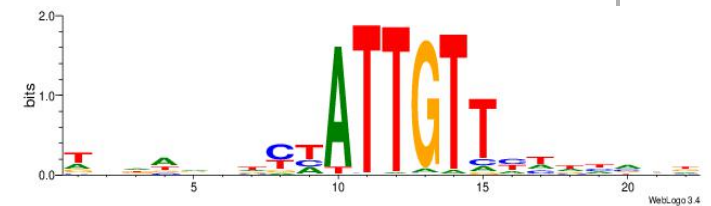
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



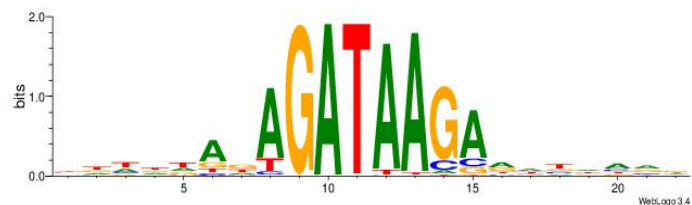
Motif ID:	UP00032
Motif name:	Gata3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	18
Similarity score:	0.0395253

Alignment:

HBHDVHDTCTTATCTHTDDHDV
WVTTSWWTTTTWWSTTBW----

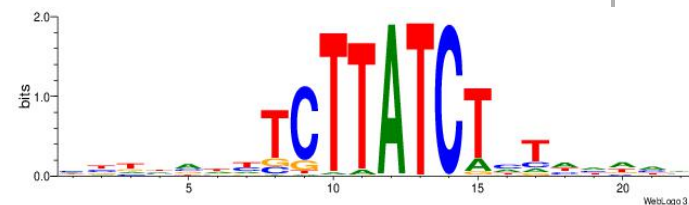
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



Motif ID:	UP00032
Motif name:	Gata3_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:	18
Similarity score:	0.0483356

Alignment:

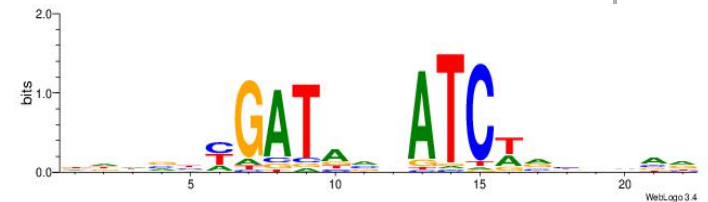
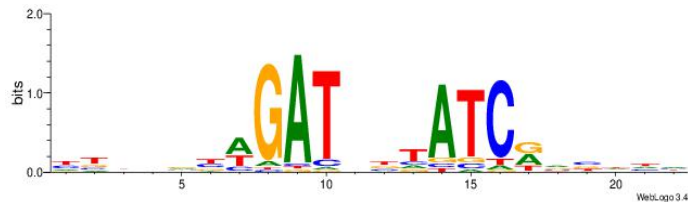
HHHBBMGATAVHATCWVVDHVVH
----WBAASWWAAAAWWSAAVW

Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH

Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVVH



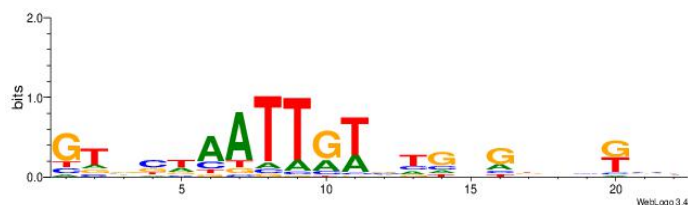
Motif ID: [UP00034](#)
 Motif name: Sox7_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.0488925

Alignment:

VVYDDDCHCAVACAATTDBVAC
 ----WBAASWWAAAWWSAAVW

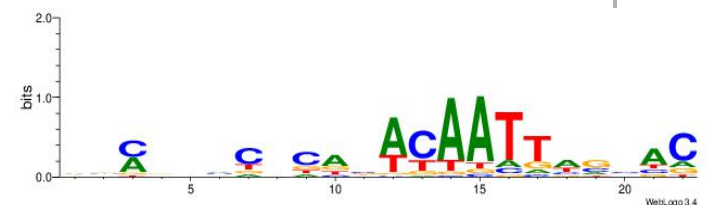
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC

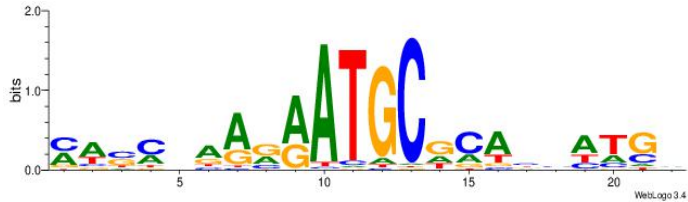


Motif ID: [UP00528](#)

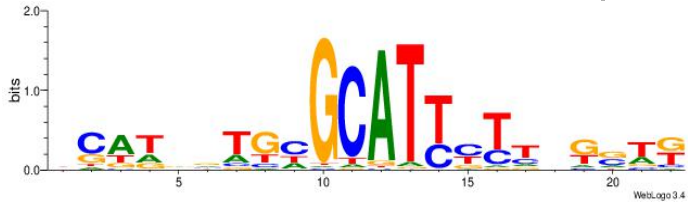
Motif name: Foxm1_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 18
Similarity score: 0.0549213

Alignment:
MWSMBAARRATGCD CABHATGD
-WBAASWWAAAAWWSAAVW---

Original motif
Consensus sequence: MWSMBAARRATGCD CABHATGD



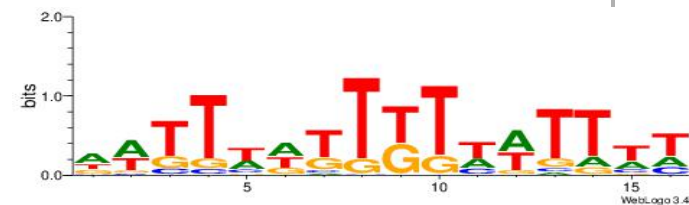
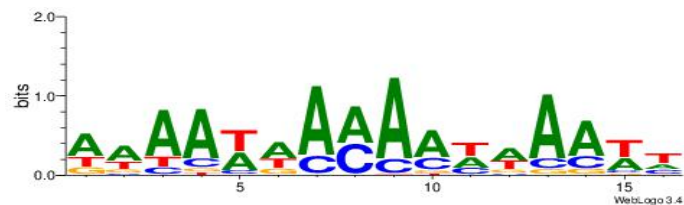
Reverse complement motif
Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Dataset #: 1 Motif ID: 98 Motif name: C098

Original motif
Consensus sequence: AAAAWWAMAAWWAAWH

Reverse complement motif
Consensus sequence: HWTTWWTTYTWWT TTTT



Best Matches for Motif ID 98 (Highest to Lowest)

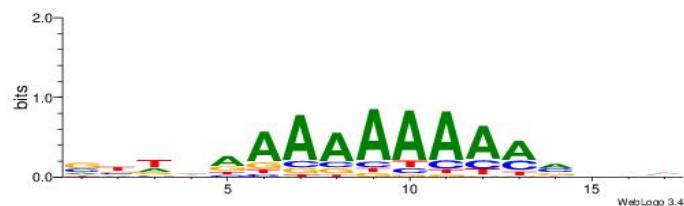
Motif ID: [UP00077](#)
 Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0386561

Alignment:

VBDDAAAAAAAAAMVBHH
 -AAAWWAMAAWWAAWH

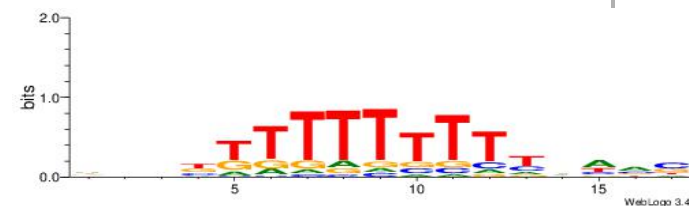
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDV



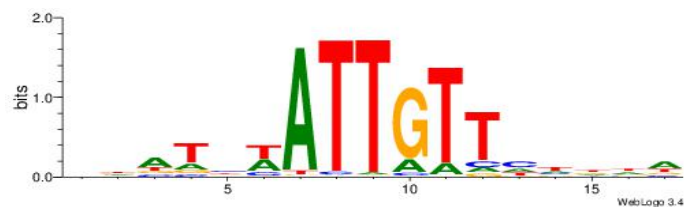
Motif ID: [UP00051](#)
 Motif name: Sox8_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0410043

Alignment:

DDDHDAACAATWBATDD
 AAAAWWAMAAWWAAWH-

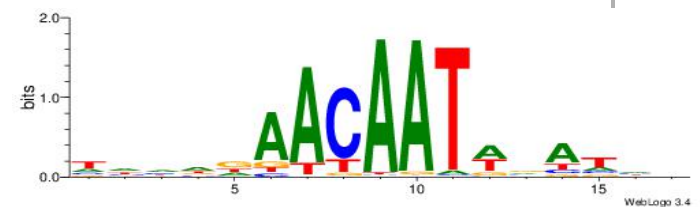
Original motif

Consensus sequence: DDATBWATTGTTHHDDD



Reverse complement motif

Consensus sequence: DDDHDAACAATWBATDD

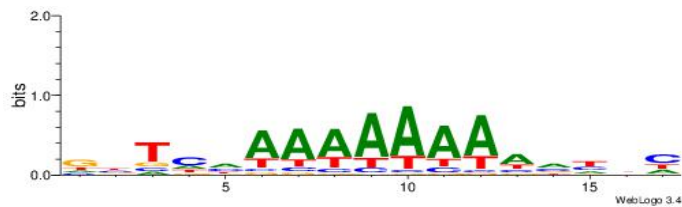


Motif ID: [UP00090](#)
 Motif name: Elf3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1

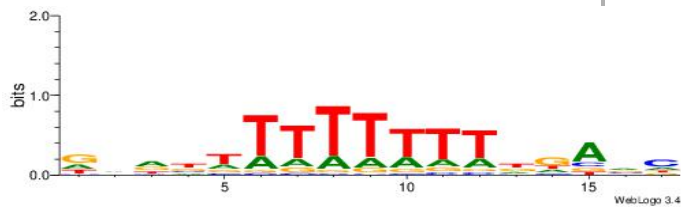
Number of overlap: 16
Similarity score: 0.0419783

Alignment:
DBTHHAAAAAAAAAVHDH
AAAAWWAMAAWWAH-

Original motif
Consensus sequence: DBTHHAAAAAAAAAVHDH



Reverse complement motif
Consensus sequence: DDHBTTTTTTTTHDAVH

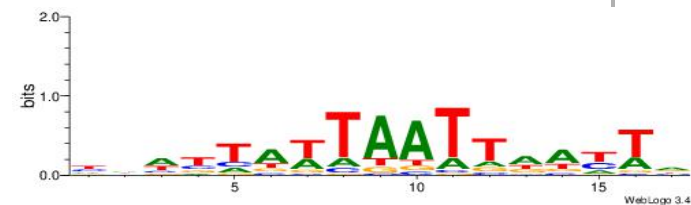
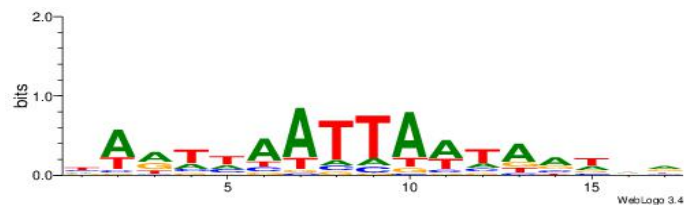


Motif ID: [UP00255](#)
Motif name: Dbx1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 16
Similarity score: 0.0419915

Alignment:
HARTHAATTAWTAVDHD
AAAAWWAMAAWWAH-

Original motif
Consensus sequence: HARTHAATTAWTAVDHD

Reverse complement motif
Consensus sequence: DHDBTAWTAATTHAKTH

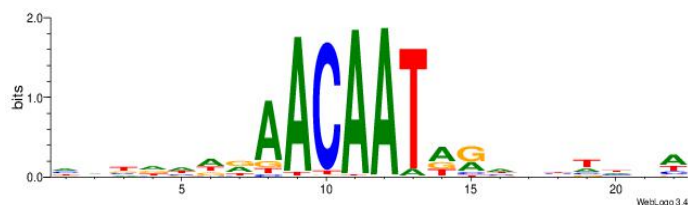


Motif ID: [UP00034](#)
 Motif name: Sox7_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 16
 Similarity score: 0.0430251

Alignment:
 HHBDHDDAACAATDRHHHHHBW
 --AAAWWAMAAWWAAWH----

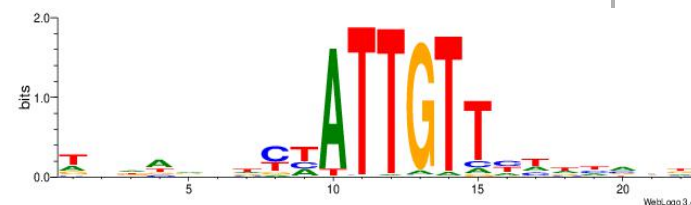
Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif

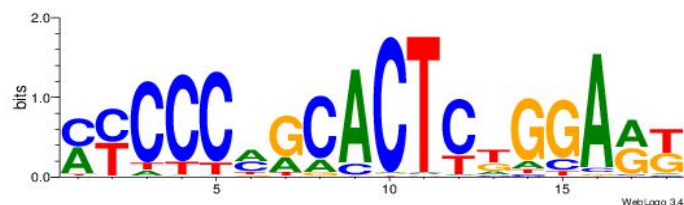
Consensus sequence: WBHHHHHMDATTGTTHDHDVHH



Dataset #: 1 **Motif ID: 99** **Motif name: C099**

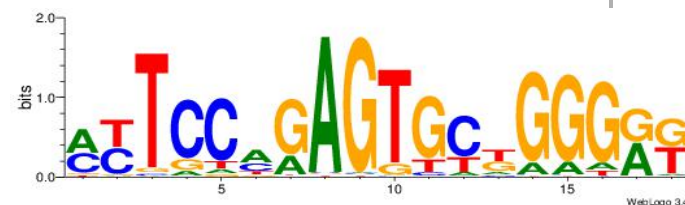
Original motif

Consensus sequence: MYCCCMGCACTCKGGARK



Reverse complement motif

Consensus sequence: RKTCCRGAGTGCTGGGKR



Best Matches for Motif ID 99 (Highest to Lowest)

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:	4
Number of overlap:	18
Similarity score:	0.0318658

Alignment:

HHBSHTCGTGRGTGGKGDBVWMV

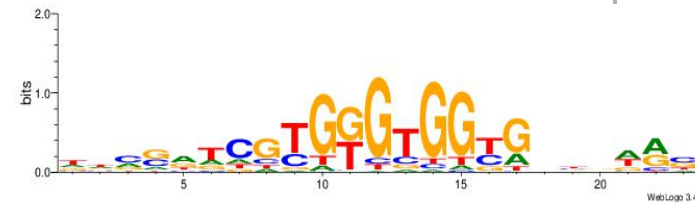
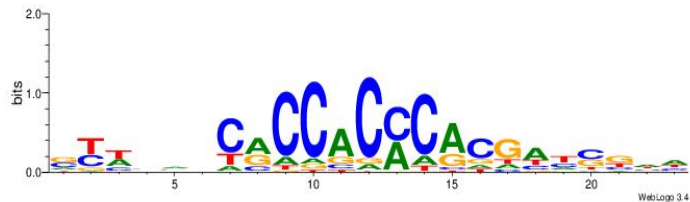
---RKTCCRGAGTGCTGGGKR--

Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



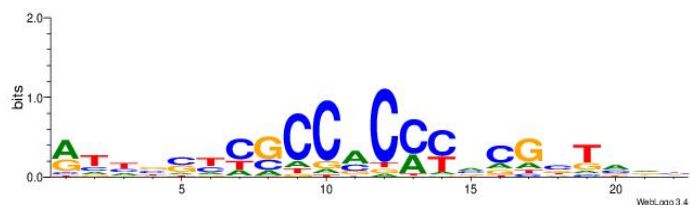
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0366211

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 ----MYCCCMGCACTCKGGARK

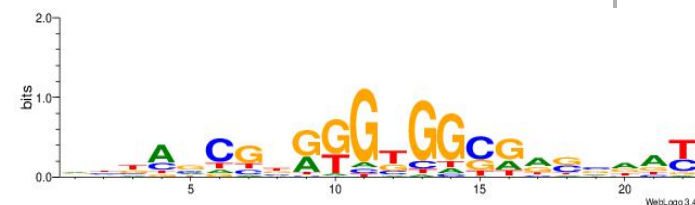
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID: [UP00526](#)

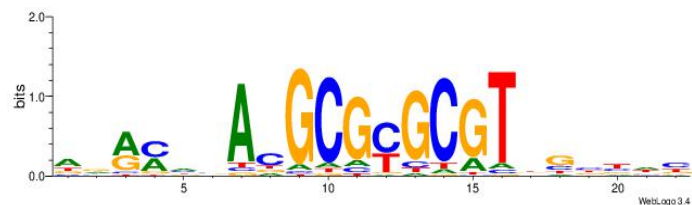
Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 18
 Similarity score: 0.0404912

Alignment:

BDVBCDACGCKCGCGTBHRKHD
 --MYCCCMGCACTCKGGARK--

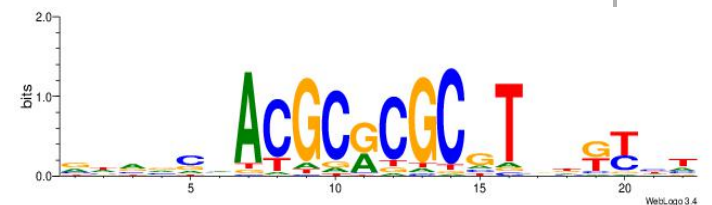
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD

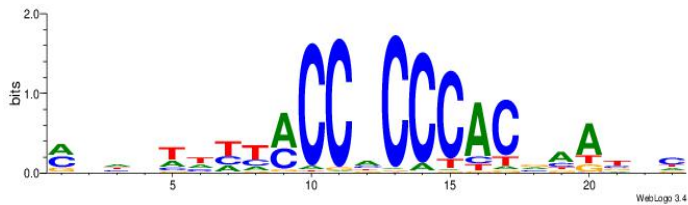


Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 18

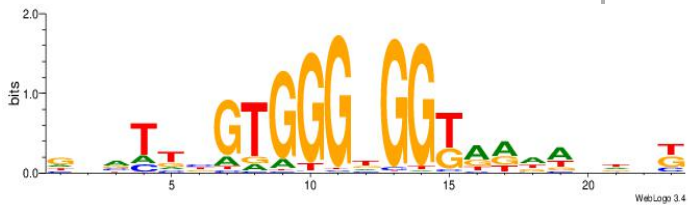
Similarity score: 0.0438598

Alignment:
MHHHWHYTMCCCHCCCACVAABVH
---MYCCCMGCACTCKGGARK---

Original motif
Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif
Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY

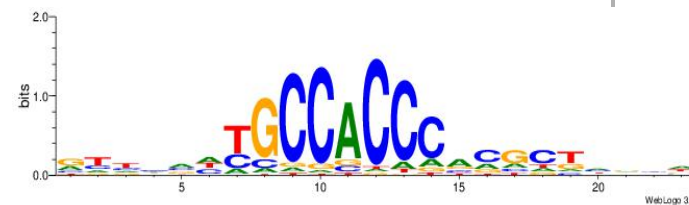
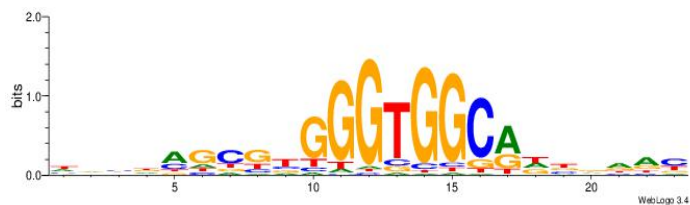


Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 18
Similarity score: 0.0443498

Alignment:
HVBDAGCGBGGGTGGCRDBDDDB
---RKTCCRGAGTGCGGGKR---

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

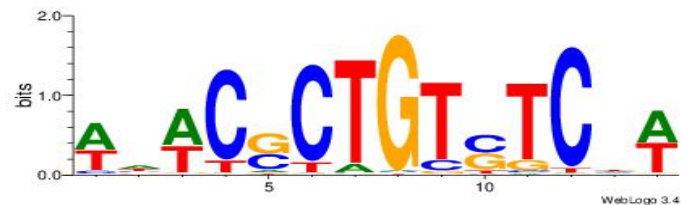
Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Dataset #: 1 Motif ID: 100 Motif name: C100

Original motif

Consensus sequence: WDWCSCTGTSTCHW



Reverse complement motif

Consensus sequence: WHGASACAGSGWDW



Best Matches for Motif ID 100 (Highest to Lowest)

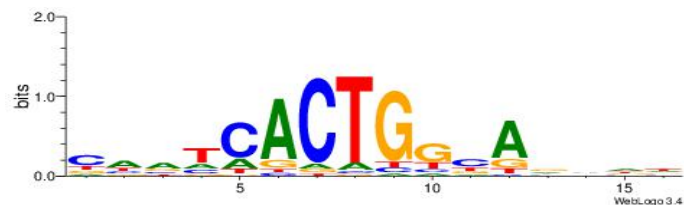
Motif ID:	UP00031
Motif name:	Zbtb3_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	14
Similarity score:	0.0211347

Alignment:

CHVTCACTGGBADHDD
-WDWCSTGTSTCHW-

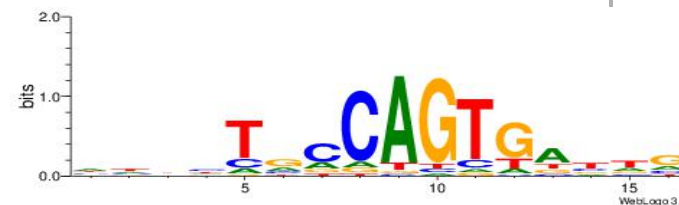
Original motif

Consensus sequence: CHVTCACTGGBADHDD



Reverse complement motif

Consensus sequence: DDHHTBCCAGTGABHG



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:	Forward
Position number:	2
Number of overlap:	14
Similarity score:	0.0255389

Alignment:

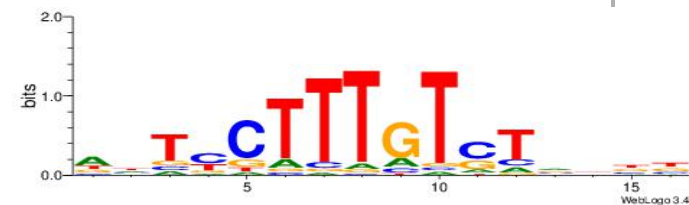
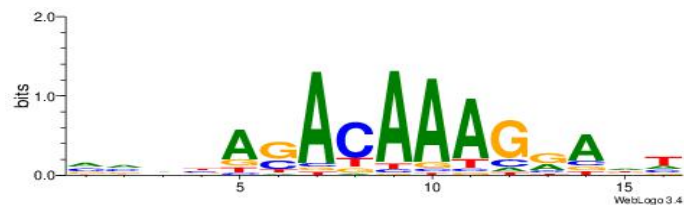
HDTMCTTTGTSTVDBB
-WDWCSTGTSTCHW-

Original motif

Consensus sequence: VVDBASACAAAGRADH

Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB

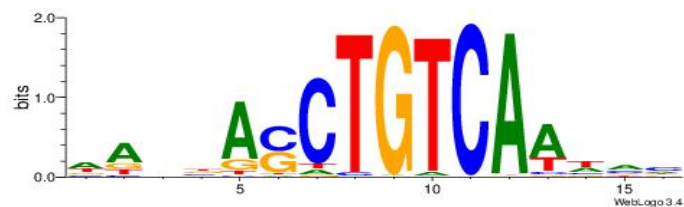


Motif ID: [UP00210](#)
 Motif name: Mrg2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0263585

Alignment:
 DBHTTGACAGSTVDTD
 -WHGASACAGSGWDW-

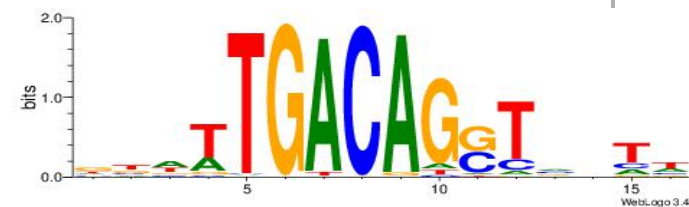
Original motif

Consensus sequence: DADBASCTGTCAAHVH



Reverse complement motif

Consensus sequence: DBHTTGACAGSTVDTD



Motif ID: [UP00098](#)

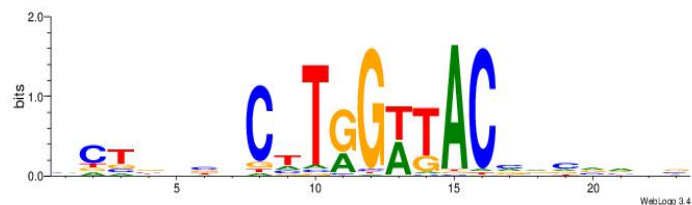
Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10
 Number of overlap: 14
 Similarity score: 0.0316143

Alignment:

VCTBHBVCTTGGWTACVVVVVDB
 -----WHGASACAGSGWDW

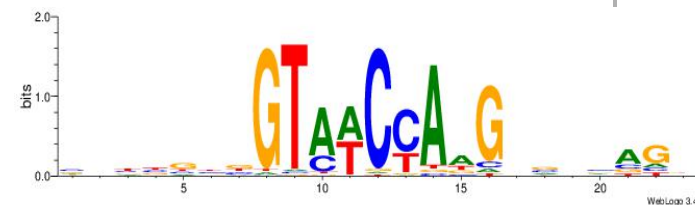
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



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: 2
 Number of overlap: 14

Similarity score: 0.0316571

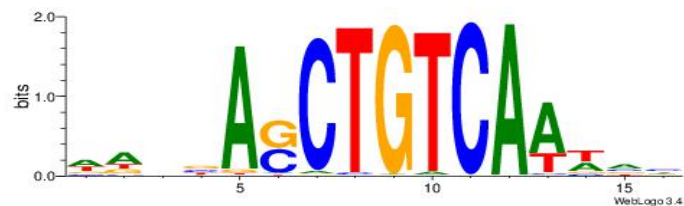
Alignment:

DBWTTGACAGSTBVTW

-WHGASACAGSGWDW-

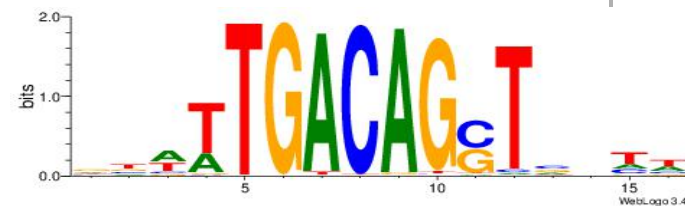
Original motif

Consensus sequence: WAVBASCTGTCAAWVH



Reverse complement motif

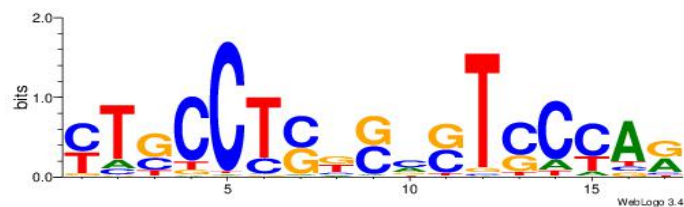
Consensus sequence: DBWTTGACAGSTBVTW



Dataset #: 1 Motif ID: 101 Motif name: C101

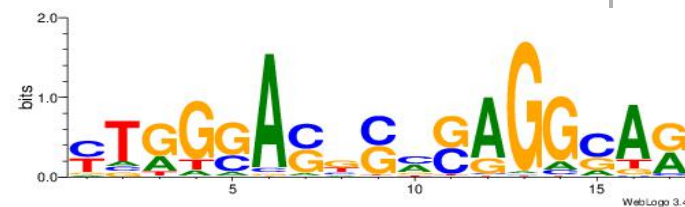
Original motif

Consensus sequence: YTSCCTSKSVSTCCCAR



Reverse complement motif

Consensus sequence: MTGGGASVSYGAGGSAK



Best Matches for Motif ID 101 (Highest to Lowest)

Motif ID: [UP00527](#)
Motif name: Foxn4_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement

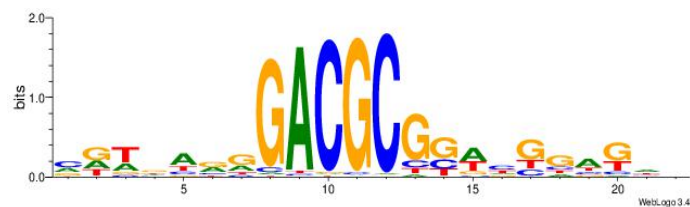
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	17
Similarity score:	0.0379768

Alignment:

```
VDWDARRGACGCGGWHGGAKHV
---MTGGGASVSVSAGGSAK---
```

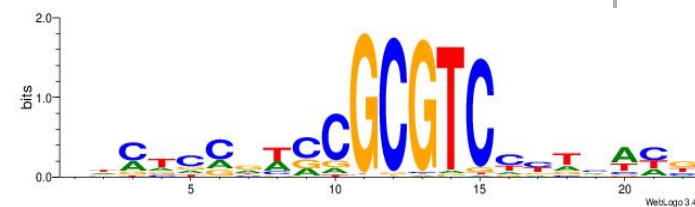
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



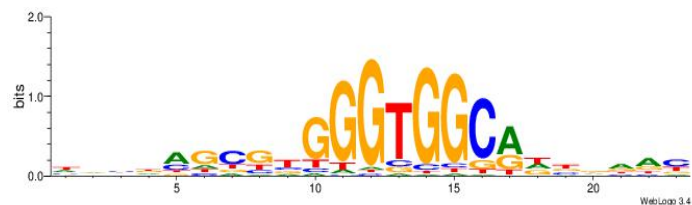
Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	6
Number of overlap:	17
Similarity score:	0.043481

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
-MTGGGASVSY SAGGSAK-----

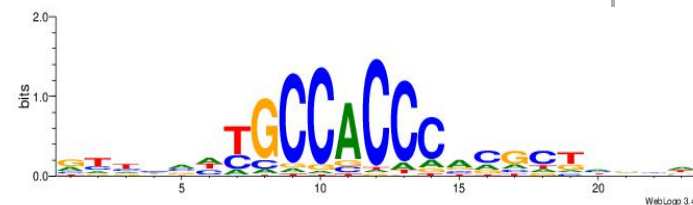
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHV DKGCCACCCVCGCTDBVH



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:	17
Similarity score:	0.0446789

Alignment:

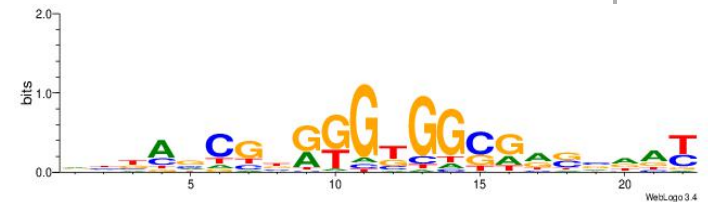
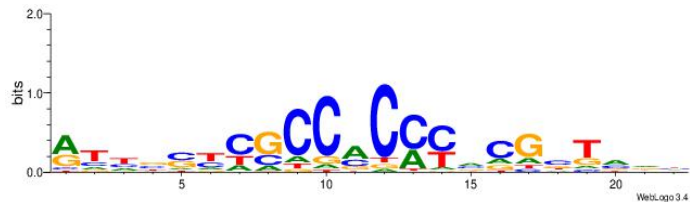
RTHBSYCGCCMCMYVCGBTVDH
-----YTSCCTSKSVSTCCCAR

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



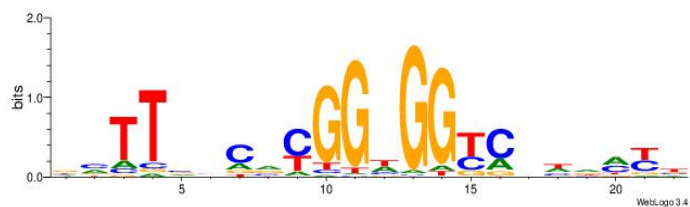
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 17
 Similarity score: 0.0447452

Alignment:

DTTTVVCVYGGHGGYCHHDMYB
 --YTSCCTSKSVSTCCCAR---

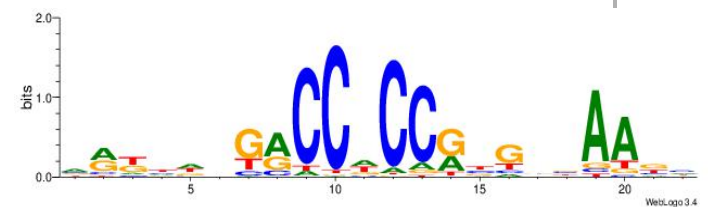
Original motif

Consensus sequence: DTTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCCKBGVVAHVH

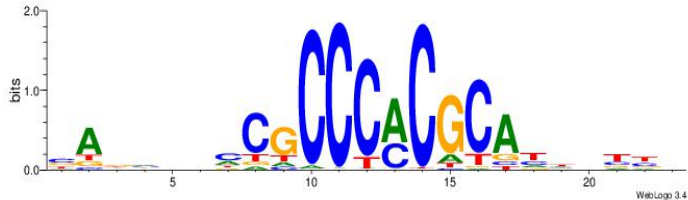


Motif ID: [UP00400](#)

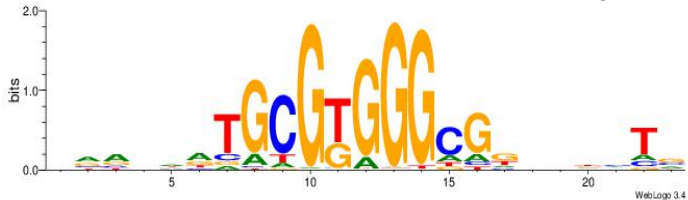
Motif name: Zif268
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 17
Similarity score: 0.0464938

Alignment:
BADHBDHCGCCCMCGCAHHDBBV
-MTGGGASVSY SAGGSAK-----

Original motif
Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



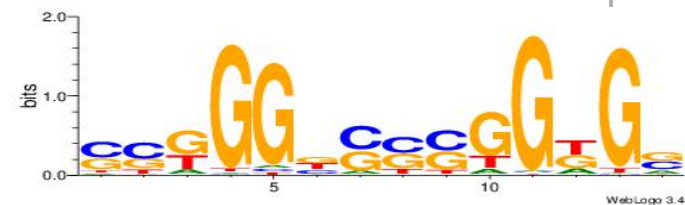
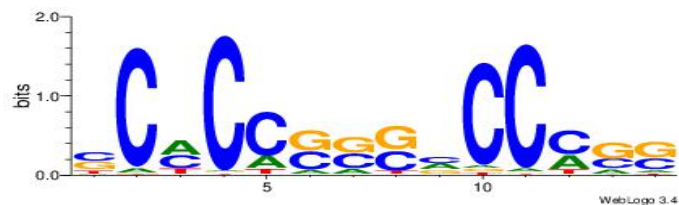
Reverse complement motif
Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB



Dataset #: 1 Motif ID: 102 Motif name: C102

Original motif
Consensus sequence: SCMCCSSSVCCMSS

Reverse complement motif
Consensus sequence: SSRGGVSSSGGYGS



Best Matches for Motif ID 102 (Highest to Lowest)

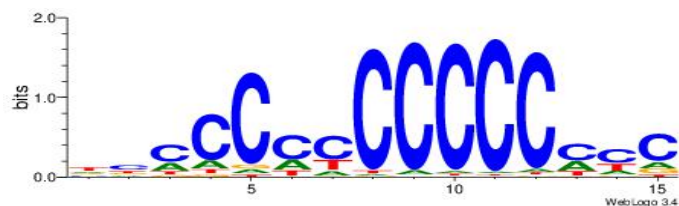
Motif ID: [UP00021](#)
 Motif name: Zfp281_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0109986

Alignment:

DBCCCCCCCCCMYC
 -SCMCCSSSVCCMSS

Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD



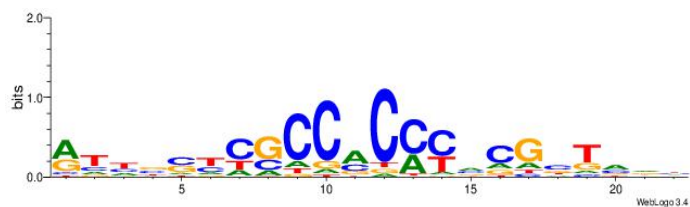
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 14
 Similarity score: 0.0204348

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 --SCMCCSSSVCCMSS-----

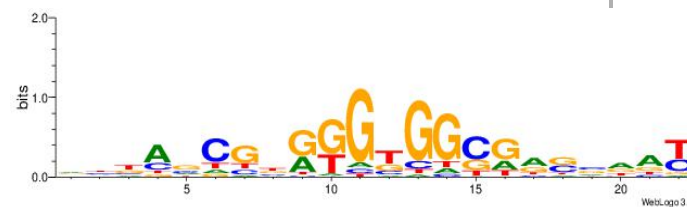
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

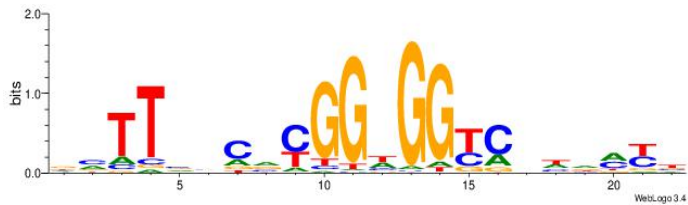


Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1

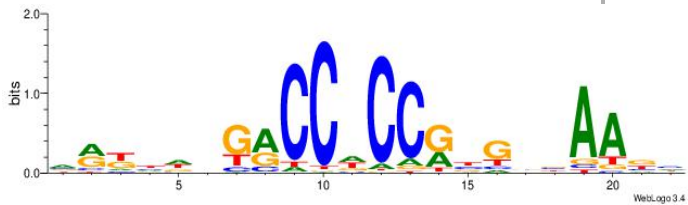
Number of overlap: 14
Similarity score: 0.0214073

Alignment:
VMYDHDGMCCCHCKBGVVAHV
-----SCMCCSSSVCCMSS

Original motif
Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif
Consensus sequence: VMYDHDGMCCCHCKBGVVAHV



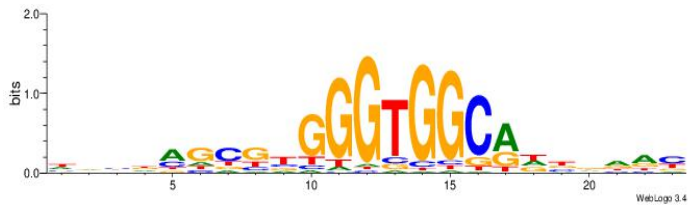
Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0236835

Alignment:
BDDHVDKGCCACCCVCGCTDBVH
-----SCMCCSSSVCCMSS-

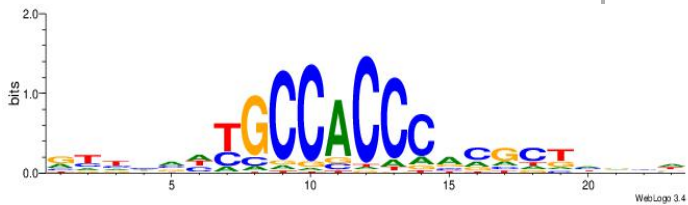
Original motif

Reverse complement motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



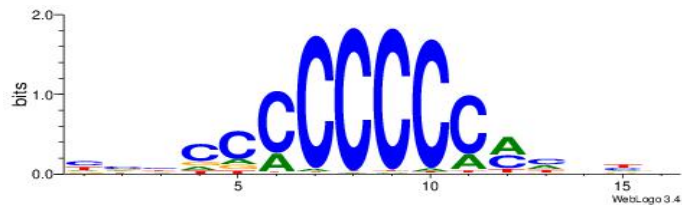
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



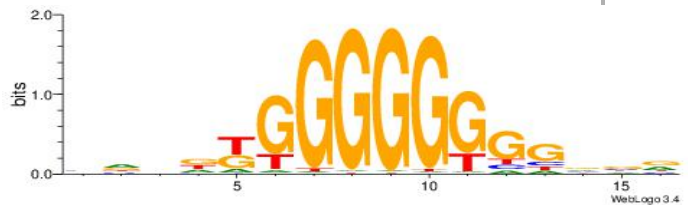
Motif ID: [UP00022](#)
Motif name: Zfp740_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.024744

Alignment:
HVBCCCCCCCCMHHHB
SCMCCSSSVCCMSS--

Original motif
Consensus sequence: HVBCCCCCCCCMHHHB



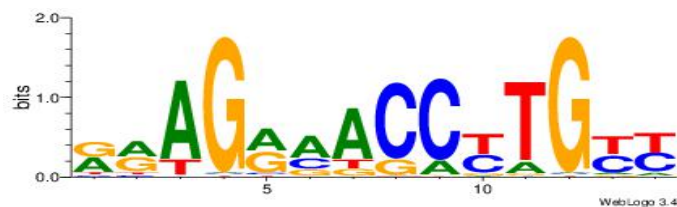
Reverse complement motif
Consensus sequence: BHHDYGGGGGGGBVD



Dataset #: 1 Motif ID: 103 Motif name: C103

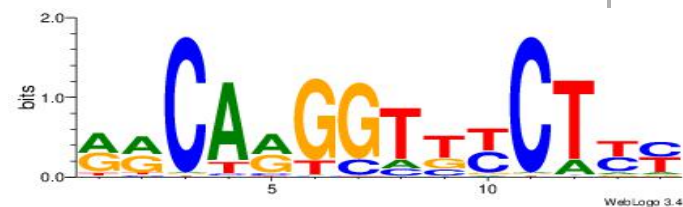
Original motif

Consensus sequence: RRAGRAACCYTGY



Reverse complement motif

Consensus sequence: MMCAMGGTTKCTKM



Best Matches for Motif ID 103 (Highest to Lowest)

Motif ID:	UP00098
Motif name:	Rfx3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	9
Number of overlap:	14
Similarity score:	0.0387119

Alignment:

HHHHDVVGTTGCTAHGGDHBAHH

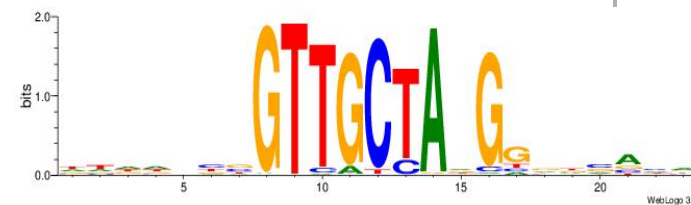
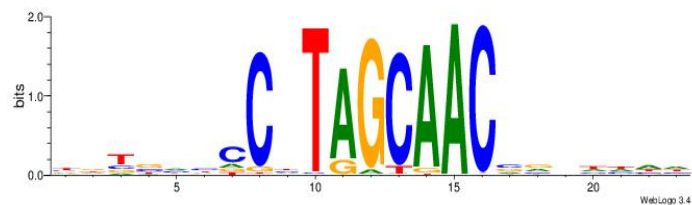
-MMCAMGGTTKCTKM-----

Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH

Reverse complement motif

Consensus sequence: HHHHDVVGTTGCTAHGGDHBAHH

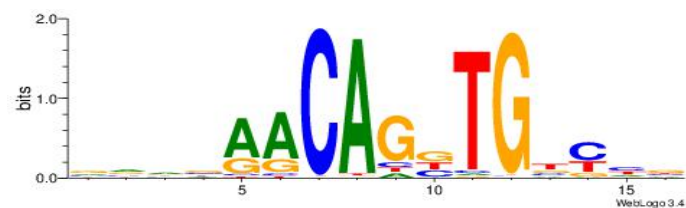


Motif ID: [UP00036](#)
 Motif name: Myf6_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0405304

Alignment:
 VVDBAACAGBTGBYHB
 RRAGRAACCYTGYY--

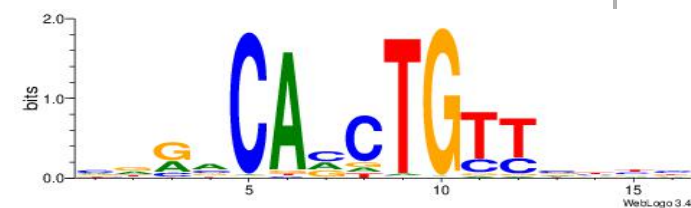
Original motif

Consensus sequence: VVDBAACAGBTGBYHB



Reverse complement motif

Consensus sequence: BDKVCABCTGTTBDBV



Motif ID: [UP00098](#)

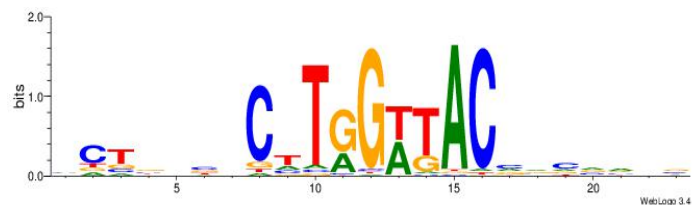
Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 14
 Similarity score: 0.0407907

Alignment:

BDBBVBVGTAWCCAAGVBHBAGB
 ----RRAGRAACCYTGY-----

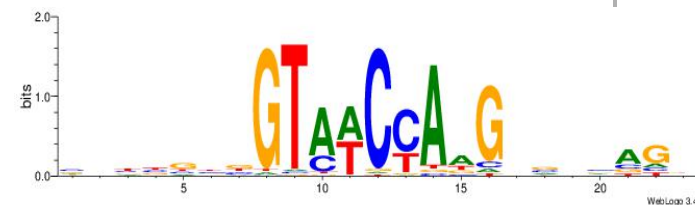
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



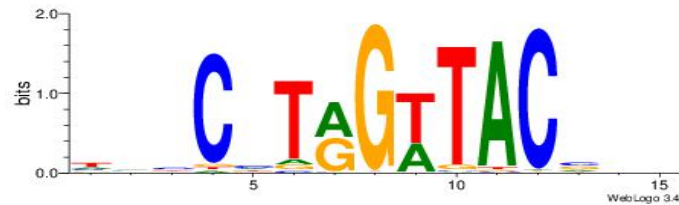
Motif ID: [UP00056](#)
 Motif name: Rfx4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0414662

Alignment:

HVVGTAWCKADGBHH
-MMCAMGGTTKCTKM

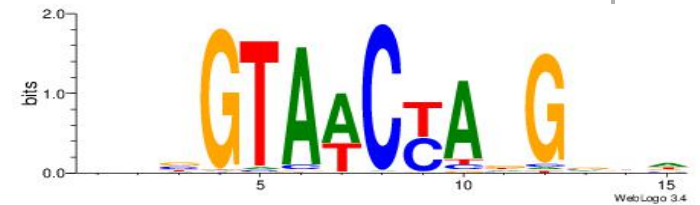
Original motif

Consensus sequence: HHBCHTRGWTACVVH



Reverse complement motif

Consensus sequence: HVVGTAWCKADGBHH



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:	6
Number of overlap:	14
Similarity score:	0.0421016

Alignment:

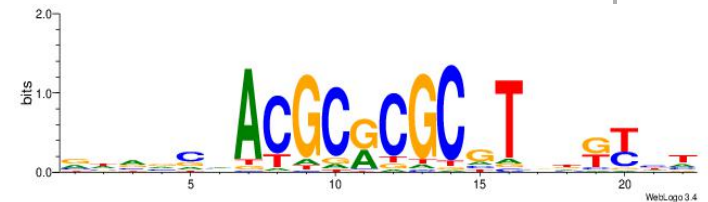
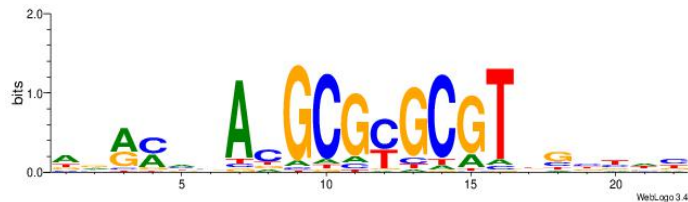
DDRMHBACGCGYGCGTDGBBDB
---MMCAMGGTTKCTKM-----

Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB

Reverse complement motif

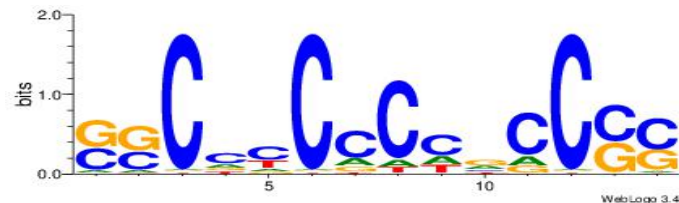
Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



Dataset #: 1 Motif ID: 104 Motif name: C104

Original motif

Consensus sequence: SSCCYCCCCDCCSS



Reverse complement motif

Consensus sequence: SSGGHGGGGKGGSS



Best Matches for Motif ID 104 (Highest to Lowest)

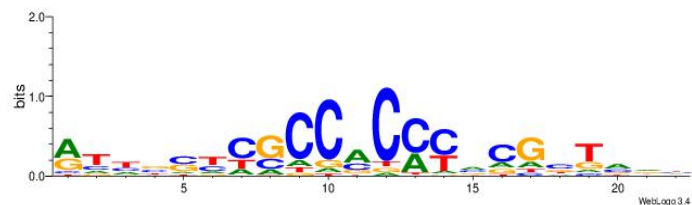
Motif ID:	UP00539
Motif name:	Gli2_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	5
Number of overlap:	14
Similarity score:	0.0212662

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 ----SSCCYCCCCDCCSS----

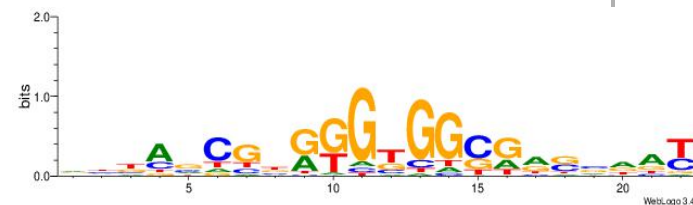
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID:	UP00022
Motif name:	Zfp740_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0.0241093

Alignment:

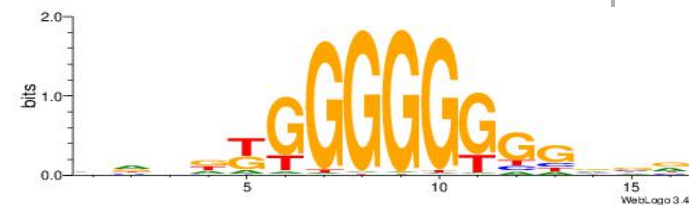
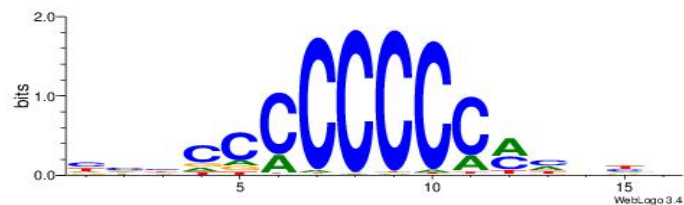
BHHDYGGGGGGGGBVD
 SSGGHGGGGKGGSS--

Original motif

Consensus sequence: HVBCCCCCCCCMHHHB

Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGBVD

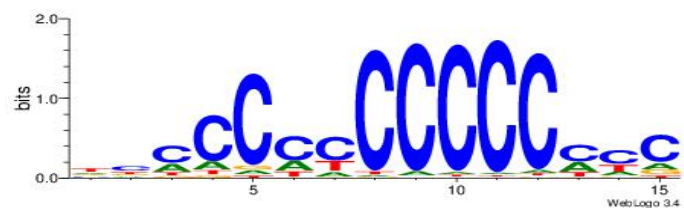


Motif ID: [UP00021](#)
 Motif name: Zfp281_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0261421

Alignment:
 DBCCCCCCCCCMYC
 SSCCYCCCCDCCSS-

Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGGGBD



Motif ID: [UP00043](#)

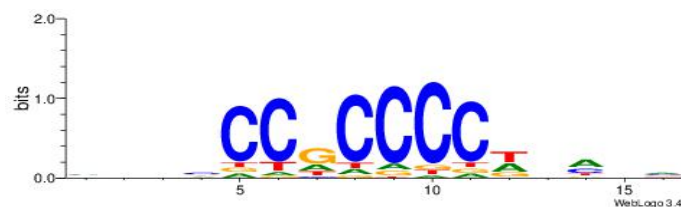
Motif name: Bcl6b_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0264558

Alignment:

HBBBCCGCCCCWHHHV
 --SSCCYCCCCDCCSS

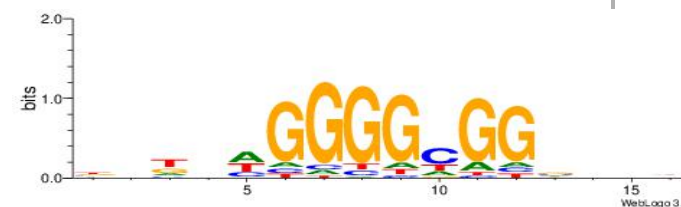
Original motif

Consensus sequence: HBBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



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: 8
 Number of overlap: 14

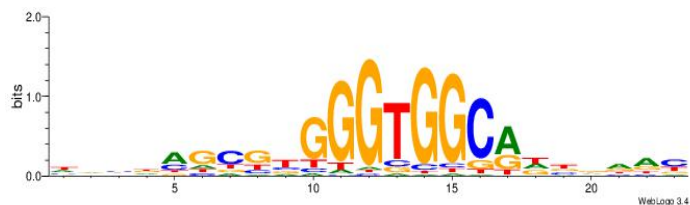
Similarity score: 0.0275752

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
-----SSCCYCCCCDCCSS--

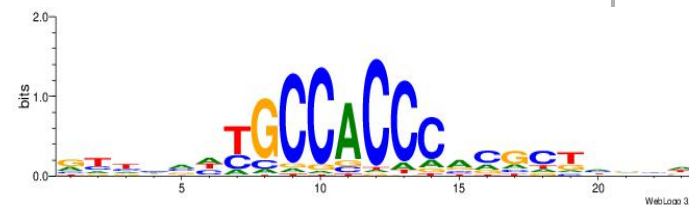
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

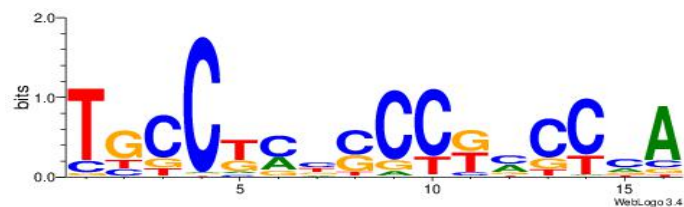
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Dataset #: 1 Motif ID: 105 Motif name: C105

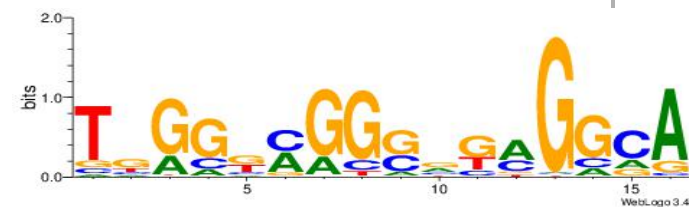
Original motif

Consensus sequence: TGCCKMBSCCKMCCVA



Reverse complement motif

Consensus sequence: TVGGRYGGSBRRGGCA



Best Matches for Motif ID 105 (Highest to Lowest)

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

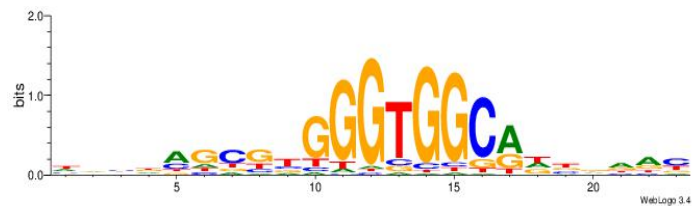
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	16
Similarity score:	0.0398676

Alignment:

```
HVBDAGCGBGGGTGGCRDBDDDB
-TVGGRYGGSBRRGGCA-----
```

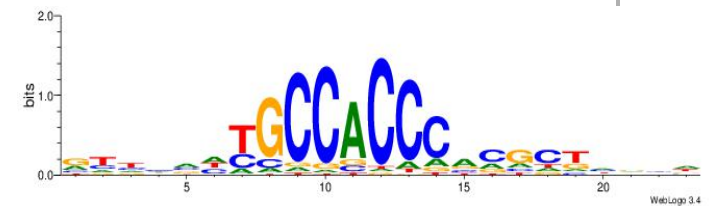
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDPGCCACCCVCGCTDBVH



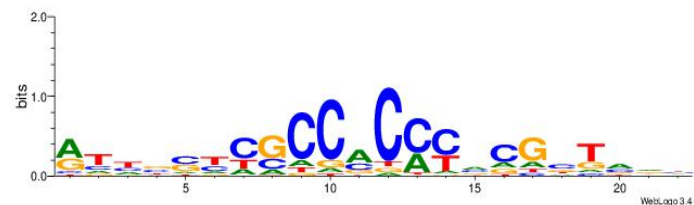
Motif ID:	UP00539
Motif name:	Gli2_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	16
Similarity score:	0.0413056

Alignment:

HDBABCGBKRGYGGCGMSBHAK
 --TVGGRYGGSBRRGGCA----

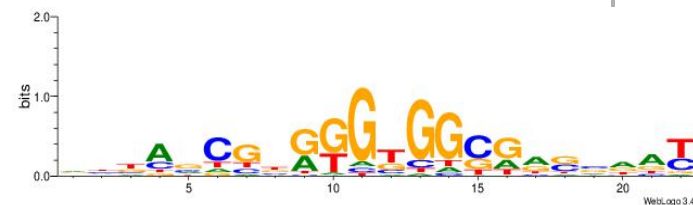
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID:	UP00540
Motif name:	Gli3_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	16
Similarity score:	0.0445913

Alignment:

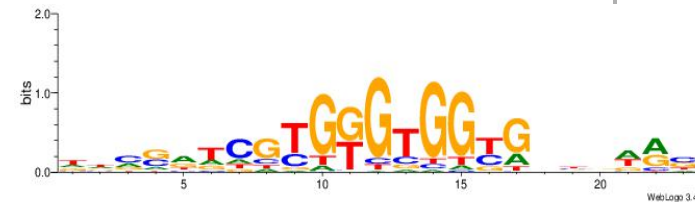
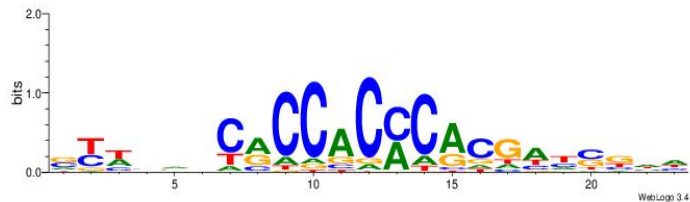
HHBSHTCGTGRGTGGKGDBVWMV
 -----TVGGRYGGSBRRGGCA-

Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



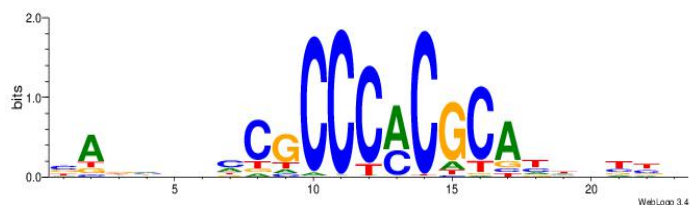
Motif ID: [UP00400](#)
 Motif name: Zif268
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0479431

Alignment:

BADHBDHCGCCCMCGCAHHDBBV
 -TGCKMBSCCKMCCVA-----

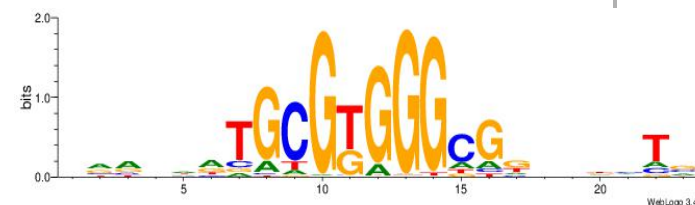
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHTB



Motif ID: [UP00000](#)

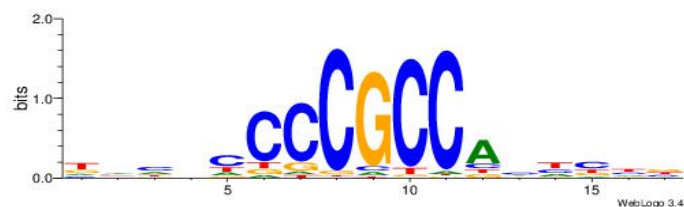
Motif name: Smad3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0484323

Alignment:

BHBHDTGGCGGGGBDHD
 TVGGRYGGSBRRGGCA-

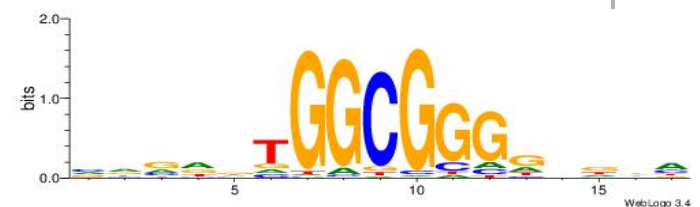
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD



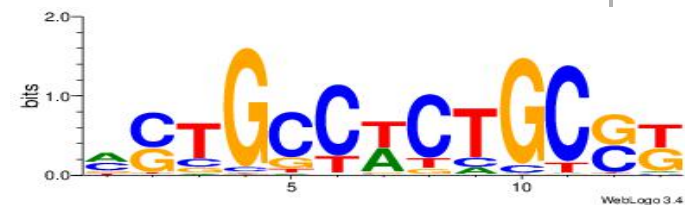
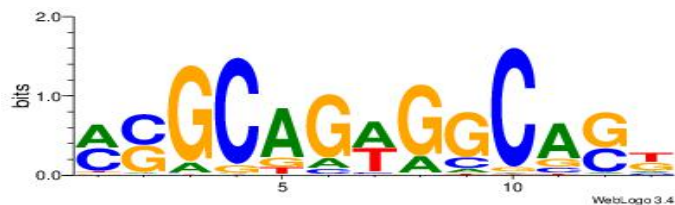
Dataset #: 1 Motif ID: 106 Motif name: C106

Original motif

Consensus sequence: MSGCAGWGGCASK

Reverse complement motif

Consensus sequence: RSTGCCWCTGCSY

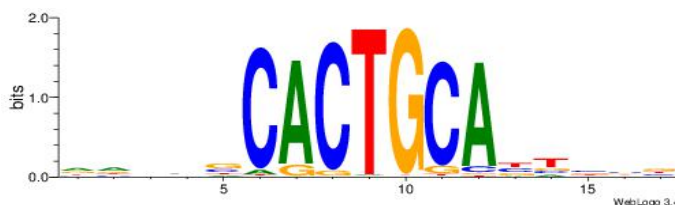


Best Matches for Motif ID 106 (Highest to Lowest)

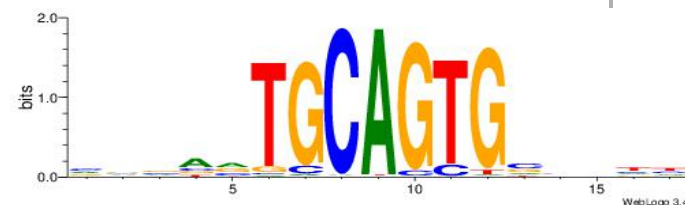
Motif ID: [UP00031](#)
 Motif name: Zbtb3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0221156

Alignment:
 BBBAVTGCAGTGBBVDD
 RSTGCCWCTGCSY----

Original motif
 Consensus sequence: DDBBBCACTGCABTBBB



Reverse complement motif
 Consensus sequence: BBBAVTGCAGTGBBVDD



Motif ID: [UP00010](#)

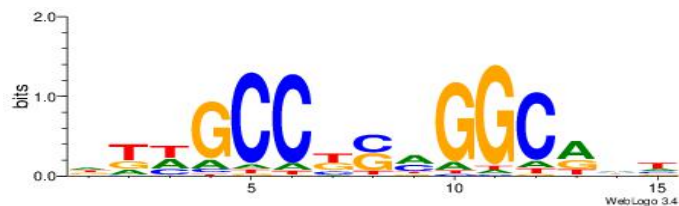
Motif name: Tcfap2b_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 13
 Similarity score: 0.026668

Alignment:

HHKGCCYSRGGCWAD
 RSTGCCWCTGCSY--

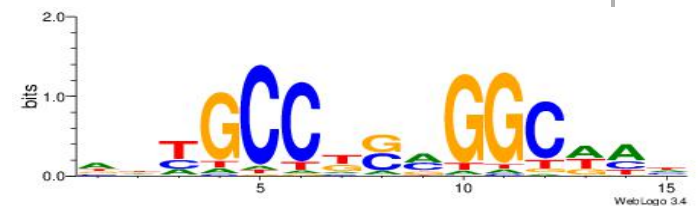
Original motif

Consensus sequence: DTWGCKSMGGCRHH



Reverse complement motif

Consensus sequence: HHKGCCYSRGGCWAD

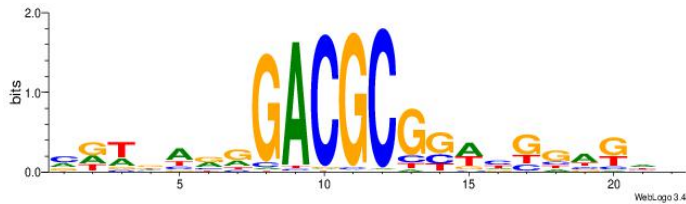


Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 13

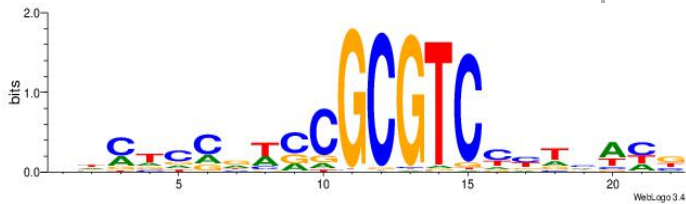
Similarity score: 0.0273606

Alignment:
VDWDARRGACGCGGWHGGAKHV
-----MSGCAGWGGCASK-

Original motif
Consensus sequence: VDWDARRGACGCGGWHGGAKHV



Reverse complement motif
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV

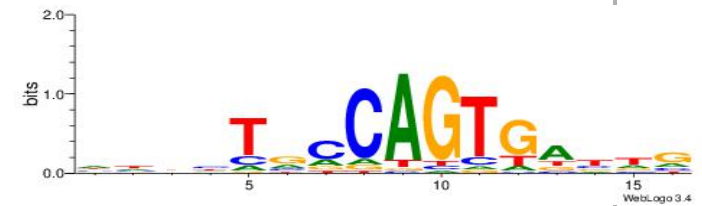
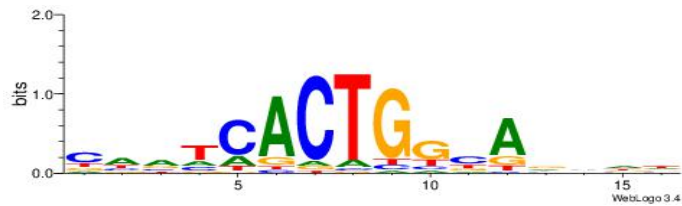


Motif ID: [UP00031](#)
Motif name: Zbtb3_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 13
Similarity score: 0.0282689

Alignment:
DDHHTBCCAGTGABHG
--RSTGCCWCTGCSY-

Original motif
Consensus sequence: CHVTCAGTGGBADHDD

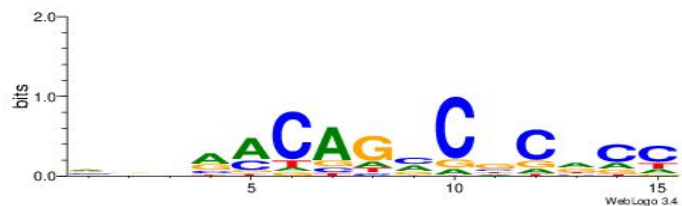
Reverse complement motif
Consensus sequence: DDHHTBCCAGTGABHG



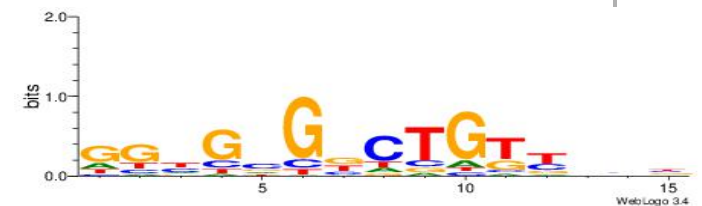
Motif ID: [UP00036](#)
 Motif name: Myf6_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 13
 Similarity score: 0.0289018

Alignment:
 GGDGBGVCTGTKVVB
 RSTGCCWCTGCSY--

Original motif
 Consensus sequence: VVVRACAGVCBCDCC



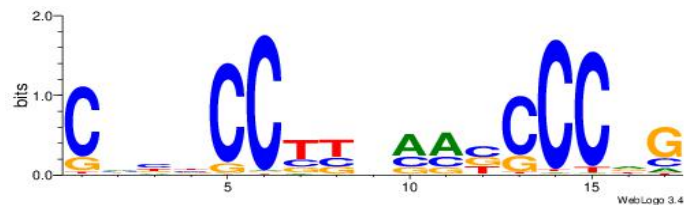
Reverse complement motif
 Consensus sequence: GGDGBGVCTGTKVVB



Dataset #: 1 **Motif ID: 107** **Motif name: C107**

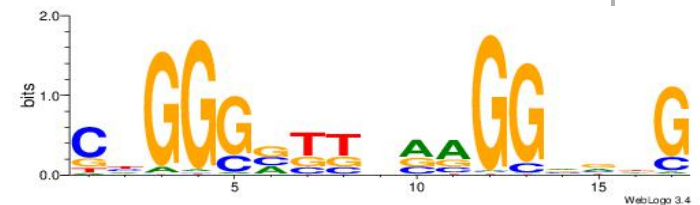
Original motif

Consensus sequence: CHBBCCTYBAABCCCDG



Reverse complement motif

Consensus sequence: CDGGGBT'TVMAGGVBHG



Best Matches for Motif ID 107 (Highest to Lowest)

Motif ID:	UP00539
Motif name:	Gli2_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	17
Similarity score:	0.0580885

Alignment:

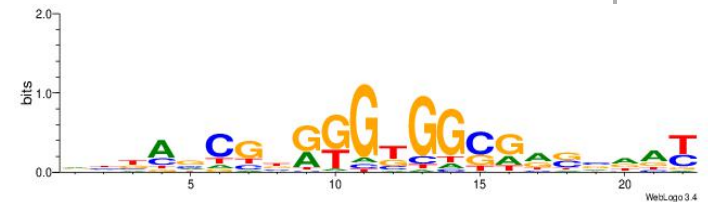
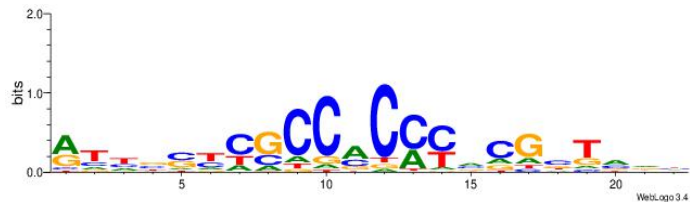
```
HDBABCBKRGYGGCGMSBHAK
-CDGGGBT'TVMAGGVBHG----
```

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH

Reverse complement motif

Consensus sequence: HDBABCBKRGYGGCGMSBHAK



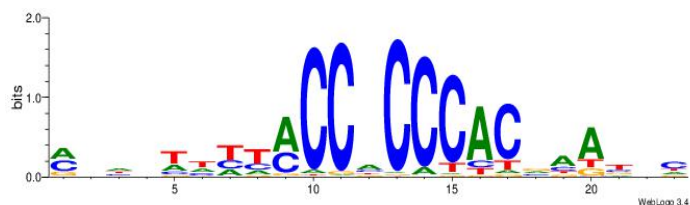
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0584165

Alignment:

MHHHWHYTMCCCHCCCACVAABVH
 CHBBCCTYBAABCCCDG-----

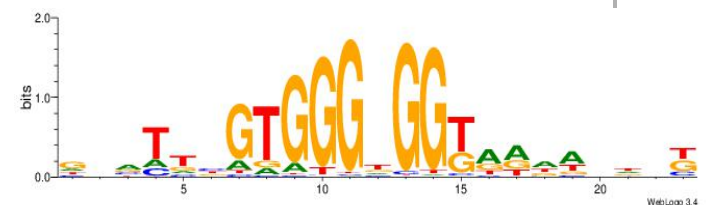
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Motif ID: [UP00098](#)

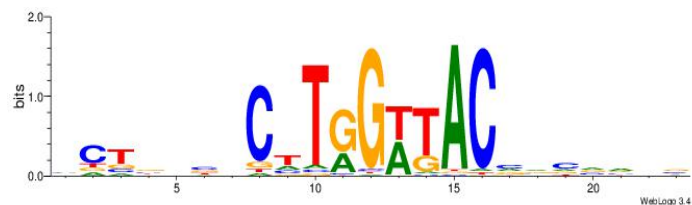
Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 17
 Similarity score: 0.0604761

Alignment:

VCTBHBVCTTGGWTACVVVVVDB
 --CHBBCCTYBAABCCCDG-----

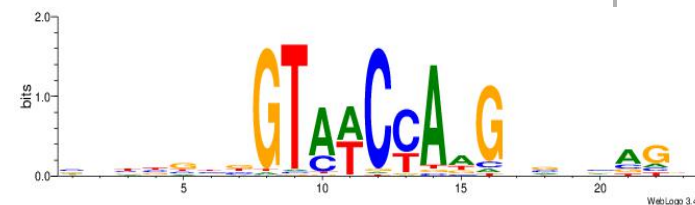
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB

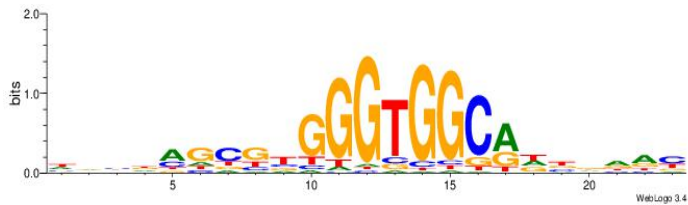


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 17

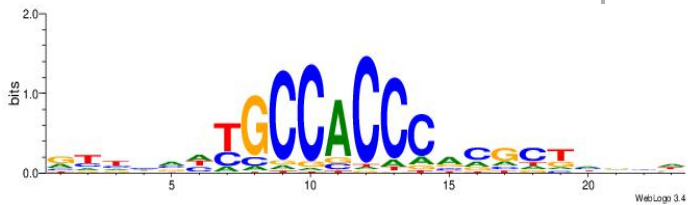
Similarity score: 0.0618639

Alignment:
BDDHVDKGCCACCCVCGCTDBVH
----CHBBCCTYBAABCCCDG--

Original motif
Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

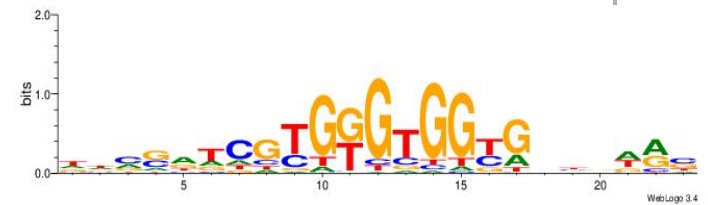
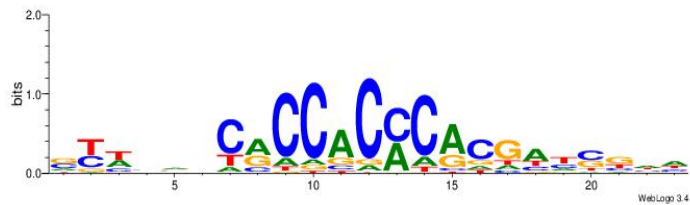


Motif ID: [UP00540](#)
Motif name: Gli3_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 17
Similarity score: 0.0669075

Alignment:
VYWVVHCRCCACMCACGAHSBHH
----CHBBCCTYBAABCCCDG--

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

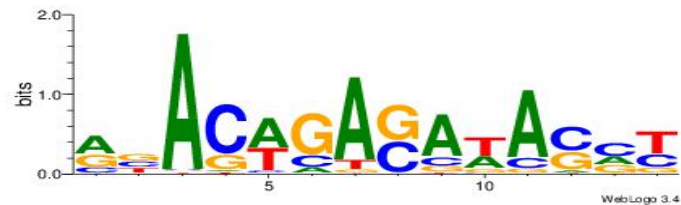
Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGBVWMV



Dataset #: 1 Motif ID: 108 Motif name: C108

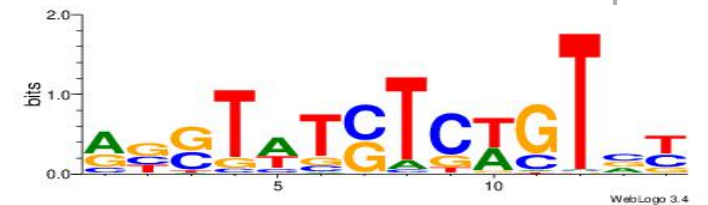
Original motif

Consensus sequence: RBACWGASAWASVY



Reverse complement motif

Consensus sequence: MVSTWTSTCWGTBK



Best Matches for Motif ID 108 (Highest to Lowest)

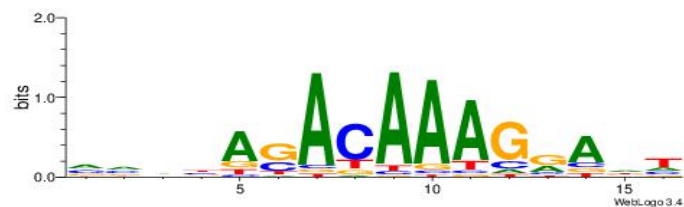
Motif ID:	UP00101
Motif name:	Sox12_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	14
Similarity score:	0.0263171

Alignment:

```
HDTMCTTTGTSTVDBB
--MVSTWTSTCWGTBK
```

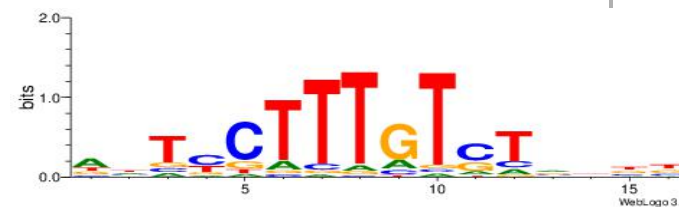

Original motif

Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



Motif ID: [UP00018](#)
Motif name: Irf4_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0315601

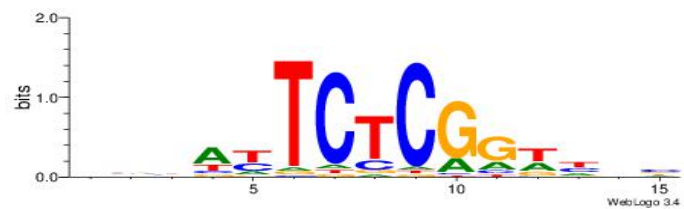
Alignment:

VVBAYTCTCGGWHDB

MVSTWTSTCWGTBK-

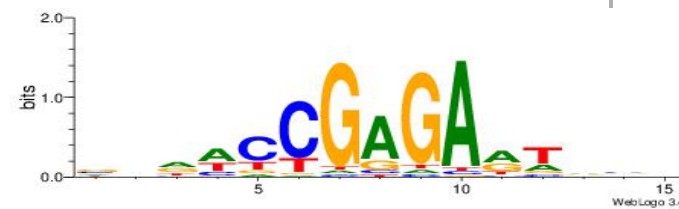
Original motif

Consensus sequence: VVBAYTCTCGGWHDB



Reverse complement motif

Consensus sequence: BHHWCCGAGAMTVVB



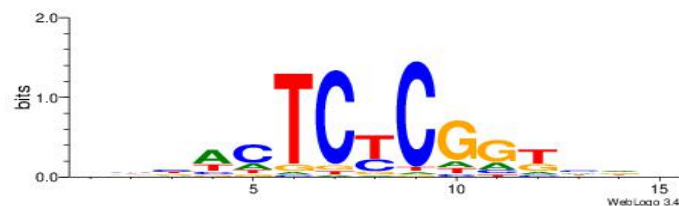
Motif ID: [>UP00011](#)
Motif name: Irf6_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0320561

Alignment:

VDDRCCGMGAGTBBB
-RBACWGASAWASVY

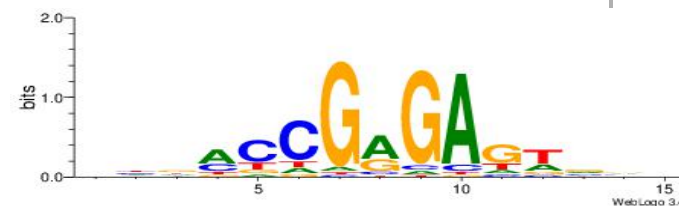
Original motif

Consensus sequence: VBBACTCYCGGKHDV



Reverse complement motif

Consensus sequence: VDDRCCGMGAGTBBB



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: 1

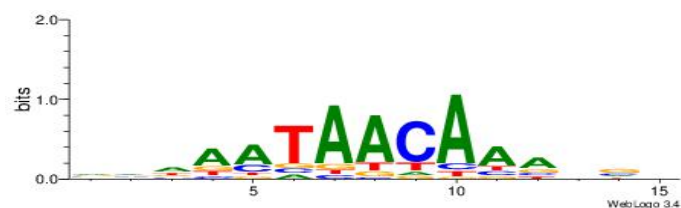
Number of overlap: 14
Similarity score: 0.0348659

Alignment:

VVDAATAACAAAVVB
-RBACWGASAWASVY

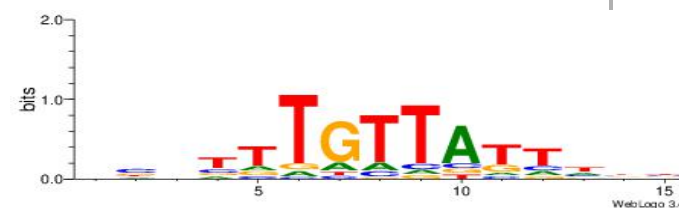
Original motif

Consensus sequence: VVDAATAACAAAVVB



Reverse complement motif

Consensus sequence: BVVTTTGTATTDBB



Motif ID: [UP00000](#)
Motif name: Smad3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 14
Similarity score: 0.0352792

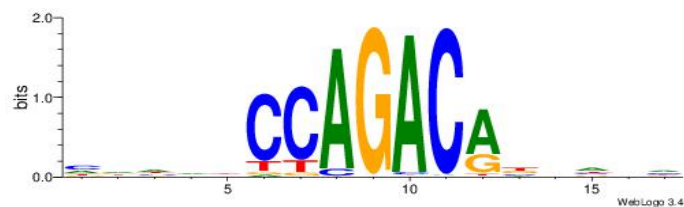
Alignment:

HVHBVTGTCTGGDDHDD
MVSTWTSTCWGTBK---

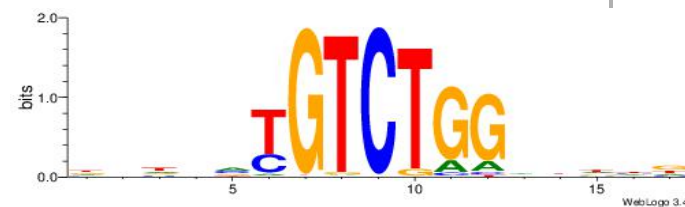
Original motif

Reverse complement motif

Consensus sequence: HDHDDCCAGACABBHVH



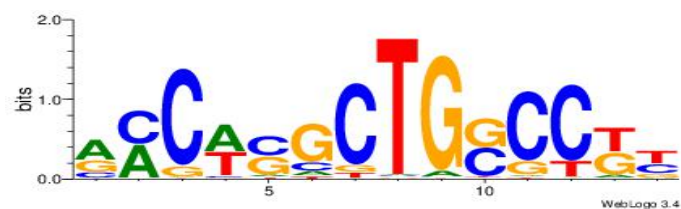
Consensus sequence: HVHBVTGTCTGGDDHDD



Dataset #: 1 **Motif ID: 109** **Motif name: C109**

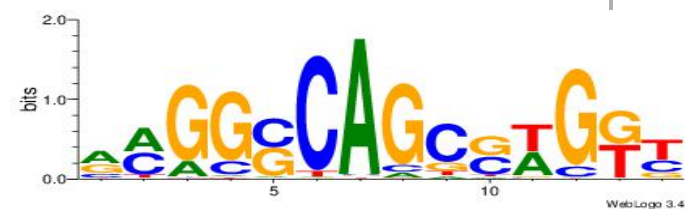
Original motif

Consensus sequence: RMCWSGCTGSCCKY



Reverse complement motif

Consensus sequence: MRGGSCAGCSWGRK



Best Matches for Motif ID 109 (Highest to Lowest)

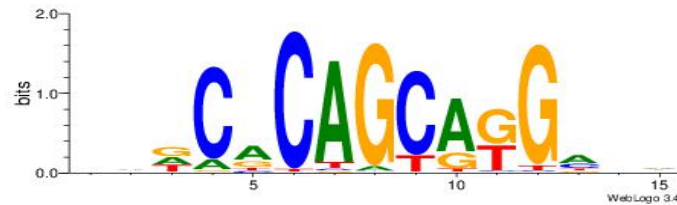
Motif ID:	UP00006
Motif name:	Zic3_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	14
Similarity score:	0.0232278

Alignment:

DDDCACAGCAKGHVD
MRGGSCAGCSWGRK-

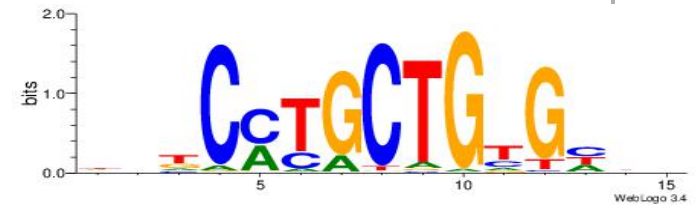
Original motif

Consensus sequence: DDDCACAGCAKGHVD



Reverse complement motif

Consensus sequence: DVHCTGTGCTGTGHDH



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:	Backward
Position number:	6
Number of overlap:	14
Similarity score:	0.0232672

Alignment:

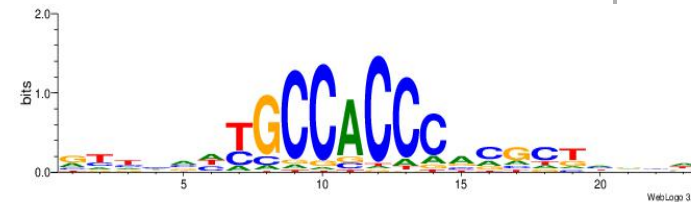
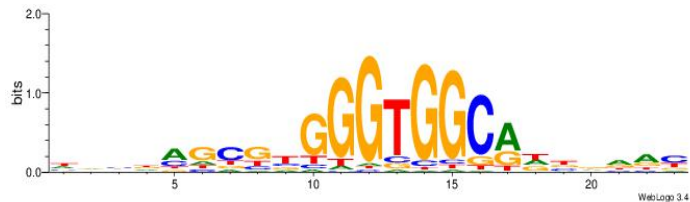
BDDHVDKGCCACCCVCGCTDBVH
----MRGGSCAGCSWGRK-----

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

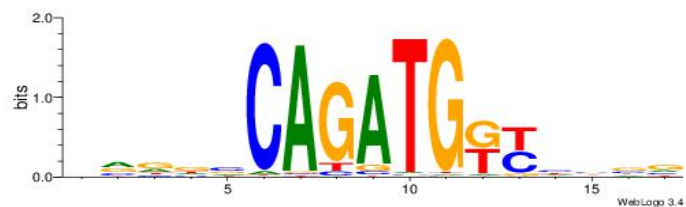
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



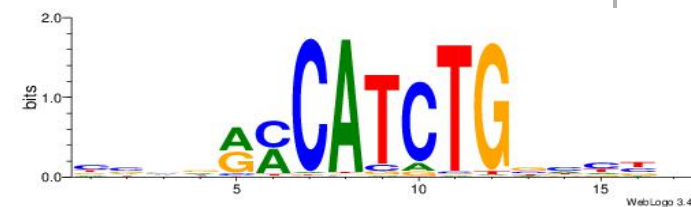
Motif ID: [UP00046](#)
 Motif name: Tcfe2a_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0233983

Alignment:
 VBDDMYCATCTGVHHBH
 ---RMCWSGCTGSCCKY

Original motif
 Consensus sequence: HVDDVCAGATGKYHBBV



Reverse complement motif
 Consensus sequence: VBDDMYCATCTGVHHBH



Motif ID: [UP00539](#)

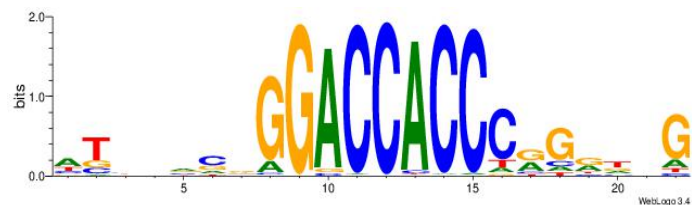
Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0243539

Alignment:

HTBVVVDGGACCACCCRGRDBG
 -----MRGGSCAGCSWGRK--

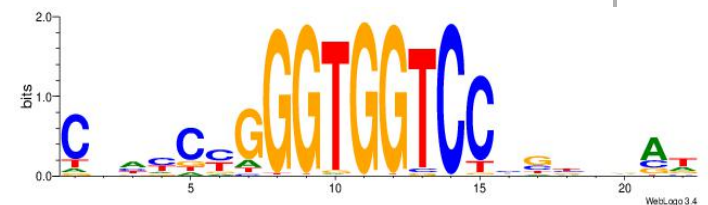
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVVBVAH



Motif ID: [UP00057](#)
 Motif name: Zic2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14

Similarity score: 0.024667

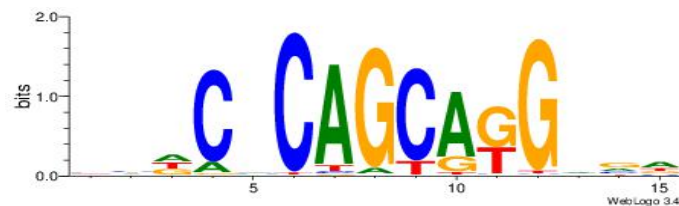
Alignment:

HHDCVCAGCAKGVVD

MRGGSCAGCSWGRK-

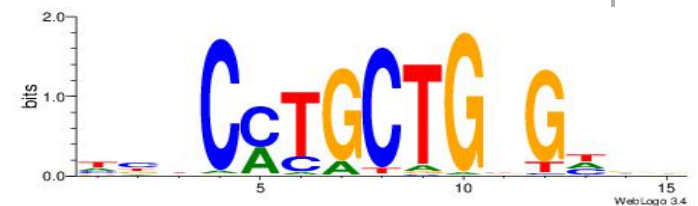
Original motif

Consensus sequence: HHDCVCAGCAKGVVD



Reverse complement motif

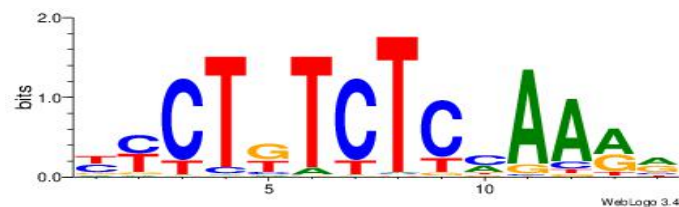
Consensus sequence: DVBCYTGCTGBGDDD



Dataset #: 1 Motif ID: 110 Motif name: C110

Original motif

Consensus sequence: YYCTKTCTCMAARR



Reverse complement motif

Consensus sequence: KKTTRGAGAYAGKM



Best Matches for Motif ID 110 (Highest to Lowest)

Motif ID: [UP00032](#)
Motif name: Gata3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement

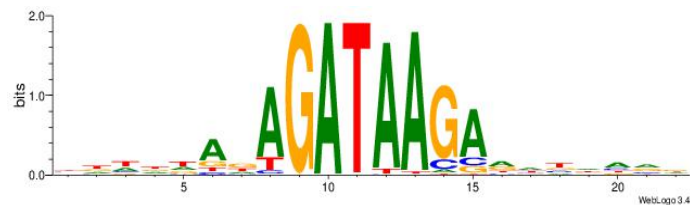
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	14
Similarity score:	0.030626

Alignment:

```
BDHDDADAGATAAGADHBDHVD
-KKTTRGAGAYAGKM-----
```

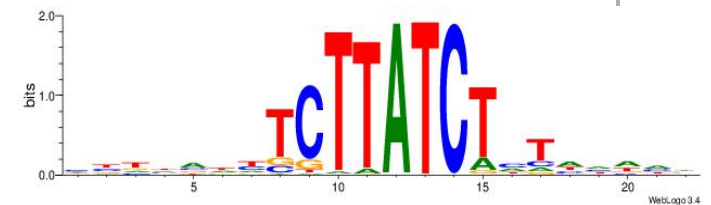
Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD



Reverse complement motif

Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



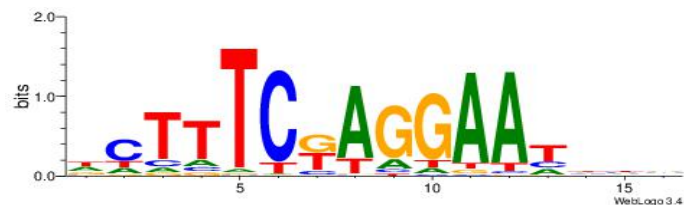
Motif ID:	UP00043
Motif name:	Bcl6b_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	14
Similarity score:	0.0328671

Alignment:

VHHATTCCTYGAAAGD
-YYCTKTCTCMAARR-

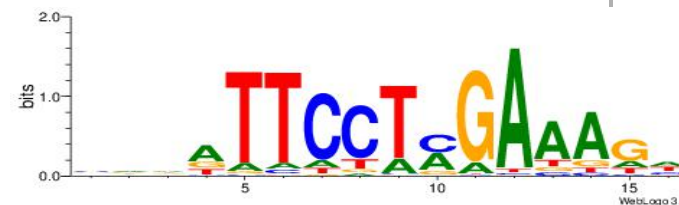
Original motif

Consensus sequence: DCTTTCKAGGAATHHV



Reverse complement motif

Consensus sequence: VHHATTCCTYGAAAGD



Motif ID: [UP00076](#)
Motif name: Rfxdc2_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: 14
Similarity score: 0.0362358

Alignment:

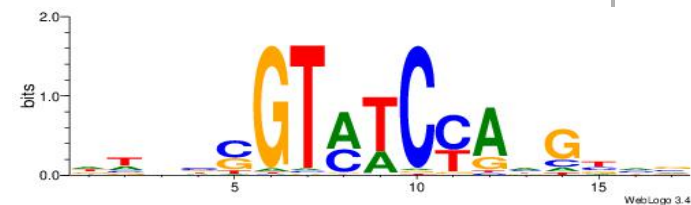
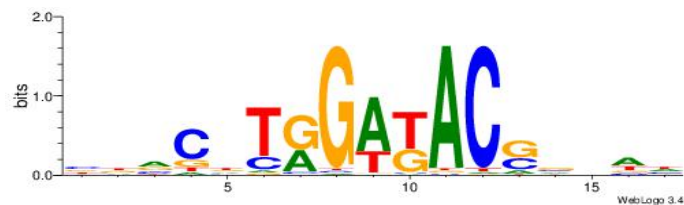
BBVCDTRGAKACSVDDH
--KKTTRGAGAYAGKM-

Original motif

Consensus sequence: BBVCDTRGAKACSVDDH

Reverse complement motif

Consensus sequence: HDDVSGTRTCMADGBVB

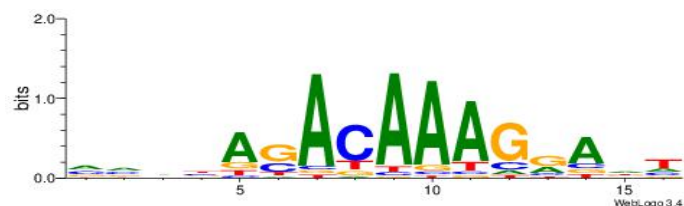


Motif ID: [UP00101](#)
 Motif name: Sox12_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0396775

Alignment:
 HDTMCTTTGTSTVDBB
 --YYCTKTCTCMAARR

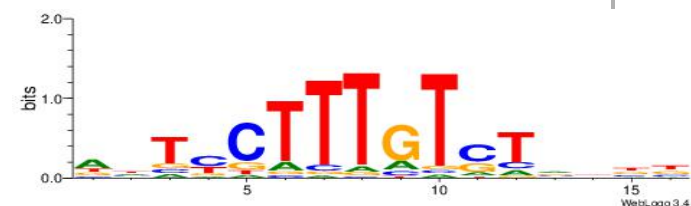
Original motif

Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



Motif ID: [UP00032](#)

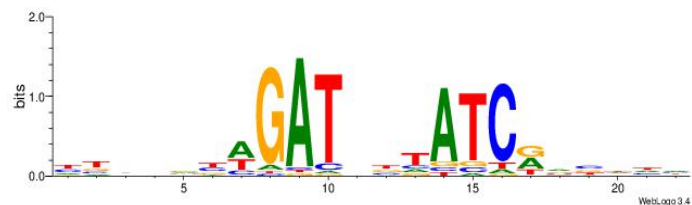
Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0396815

Alignment:

HBHDVBWGATHBTATCRVBHHH
 KKTTRGAGAYAGKM-----

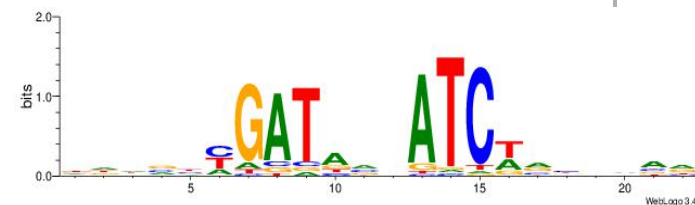
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVVH



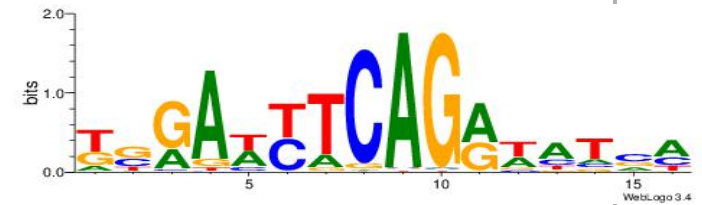
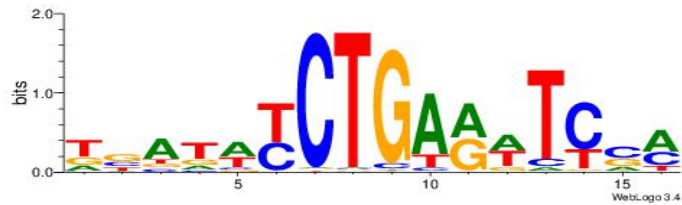
Dataset #: 1 Motif ID: 111 Motif name: C111

Original motif

Consensus sequence: TBATWYCTGARWTCSM

Reverse complement motif

Consensus sequence: YSGAWKTCAGMWATBA

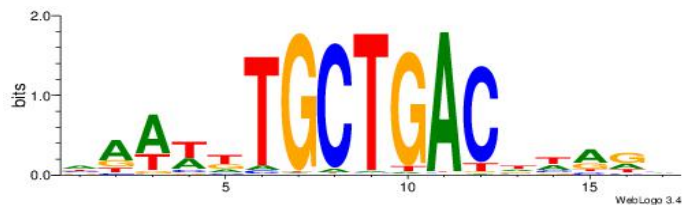


Best Matches for Motif ID 111 (Highest to Lowest)

Motif ID: [UP00045](#)
 Motif name: Mafb_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0382144

Alignment:
 DMTWDGTCAGCADWTTH
 YSGAWKTCAGMWATBA-

Original motif
 Consensus sequence: HAAWDTGCTGACDWARH



Reverse complement motif
 Consensus sequence: DMTWDGTCAGCADWTTH



Motif ID: [UP00410](#)

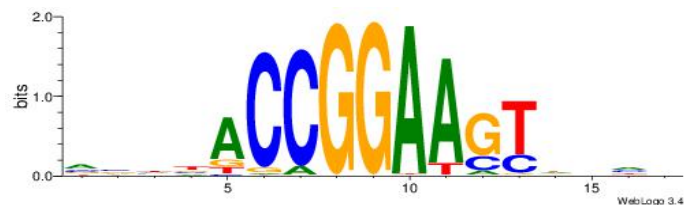
Motif name: Elk1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0436521

Alignment:

VVHBACCGGAAGTDBHD
 TBATWYCTGARWTCSM-

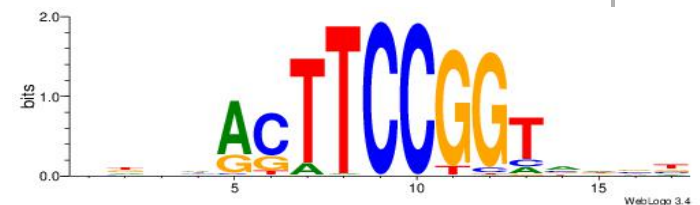
Original motif

Consensus sequence: VVHBACCGGAAGTDBHD



Reverse complement motif

Consensus sequence: DHBDACCTCCGGTVHVB



Motif ID: [UP00013](#)
 Motif name: Gabpa_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 16

Similarity score: 0.0439267

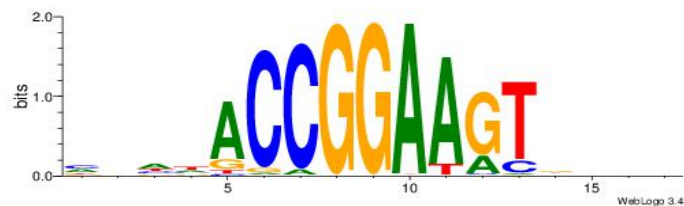
Alignment:

HVHHACCGGAAGTDHHV

TBATWYCTGARWTCSM-

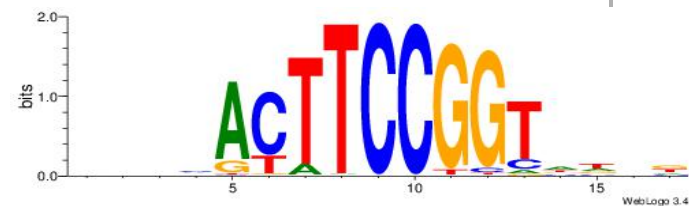
Original motif

Consensus sequence: HVHHACCGGAAGTDHHV



Reverse complement motif

Consensus sequence: BHHHACTTCCGGTHHBD



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: 5

Number of overlap: 16

Similarity score: 0.0485736

Alignment:

BDHDDADAGATAAGADHBDHVD

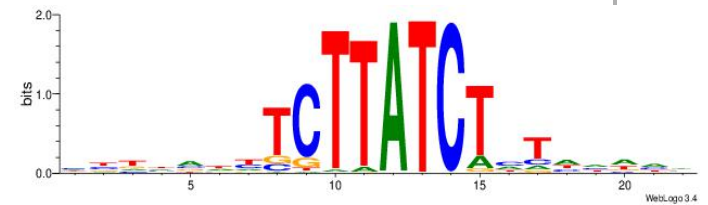
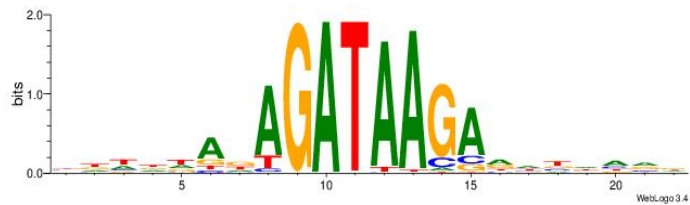
----YSGAWKTCAGMWATBA--

Original motif

Consensus sequence: BDHDDADAGATAAGADHBDHVD

Reverse complement motif

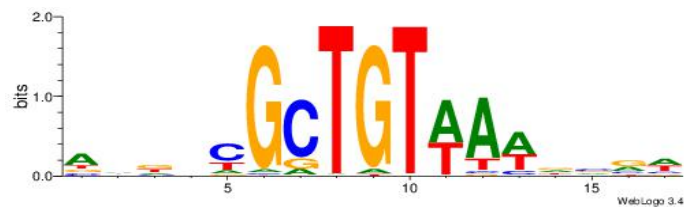
Consensus sequence: HBHDVHDTCTTATCTHTDDHDV



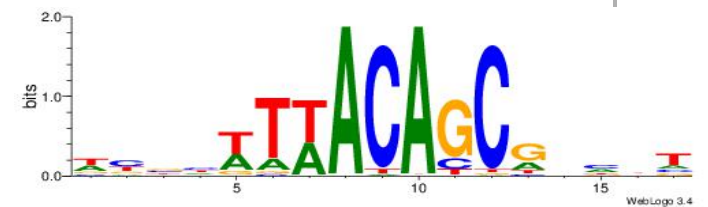
Motif ID: [UP00193](#)
 Motif name: Rhox11_1765.2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0486964

Alignment:
 WVVHWTWACAGCGBHBT
 -YSGAWKTCAGMWATBA

Original motif
 Consensus sequence: AVDVCGCTGTWAWDVVW



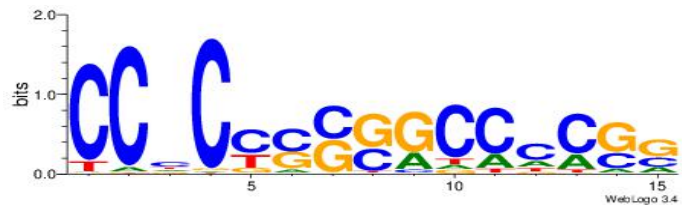
Reverse complement motif
 Consensus sequence: WVVHWTWACAGCGBHBT



Dataset #: 1 Motif ID: 112 Motif name: C112

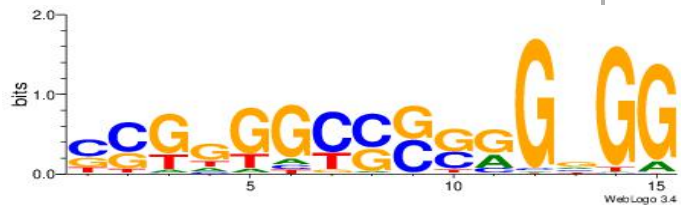
Original motif

Consensus sequence: CCBCYSSSGCCCCSS



Reverse complement motif

Consensus sequence: SSGGGCSSSKGBGG



Best Matches for Motif ID 112 (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:	9
Number of overlap:	15
Similarity score:	0.0368115

Alignment:

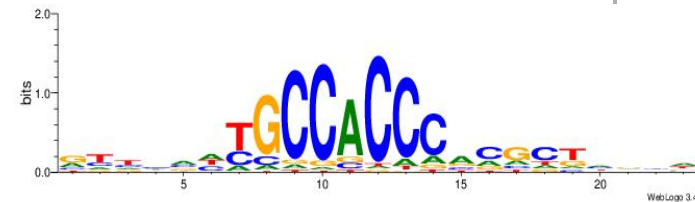
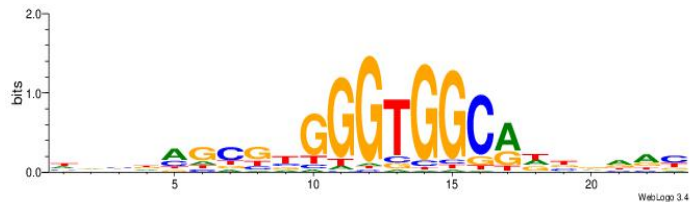
```
HVBDAGCGBGGGTGGCRDBDDDB
SSGGGGCSSSKGBGG-----
```

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

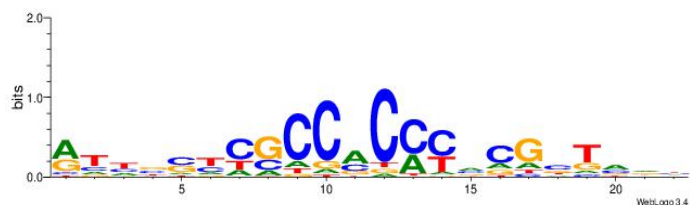


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 15
 Similarity score: 0.038423

Alignment:
 RTHBSYCGCCMCMYVCGBTVDH
 --CCBCYSSSGCCCCSS-----

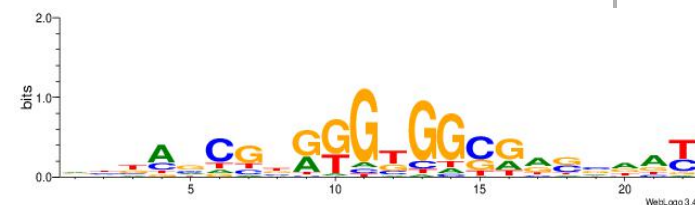
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



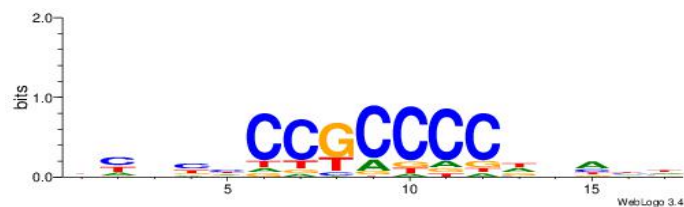
Motif ID: [UP00033](#)

Motif name: Zfp410_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 15
Similarity score: 0.0430481

Alignment:
HHHHDGGGGCGGDBHDV
--SSGGGGCSSSKGBGG

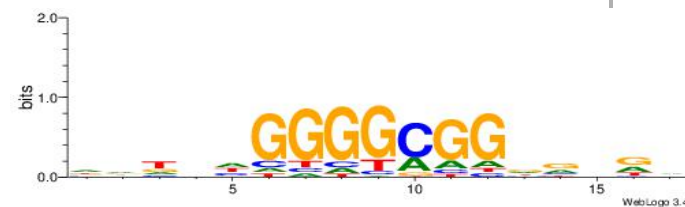
Original motif

Consensus sequence: BHHBHCCGCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



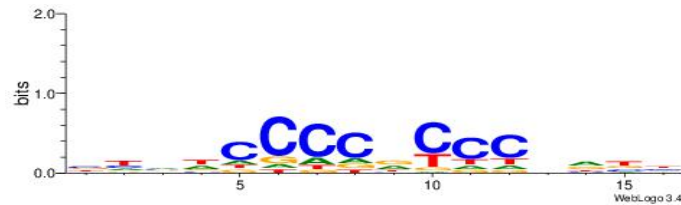
Motif ID: [UP00099](#)
Motif name: Ascl2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 15
Similarity score: 0.0450061

Alignment:

BHVDCCCCDCCCBDBH
CCBCYSSSGCCCCSS-

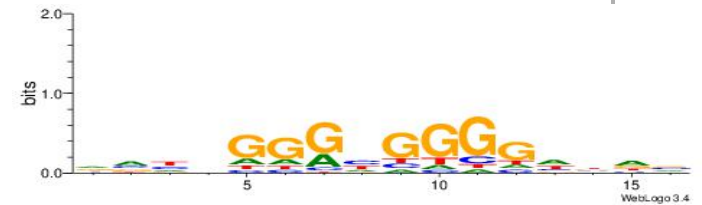
Original motif

Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif

Consensus sequence: HVDVGGGGHGGGGDBHB



Motif ID:	UP00022
Motif name:	Zfp740_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	15
Similarity score:	0.0460082

Alignment:

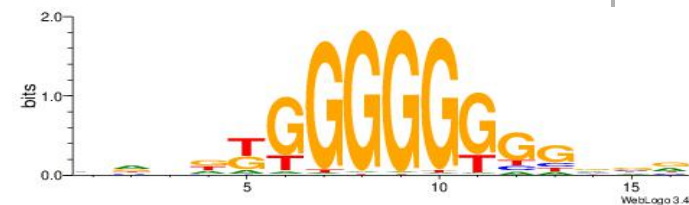
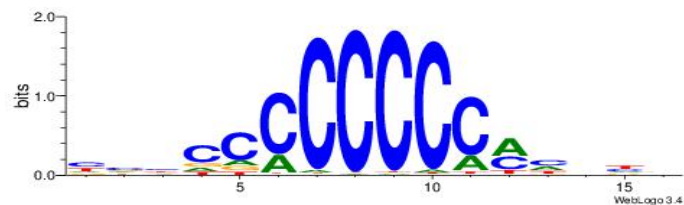
HVBCCCCCCCCMHHHB
CCBCYSSSGCCCCSS-

Original motif

Consensus sequence: HVBCCCCCCCCMHHHB

Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGGBVD



Dataset #: 1 Motif ID: 113 Motif name: C113

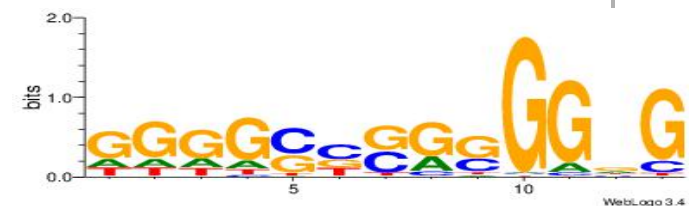
Original motif

Consensus sequence: CHCCSCSVSCCCC



Reverse complement motif

Consensus sequence: GGGGSVSGSGGDG



Best Matches for Motif ID 113 (Highest to Lowest)

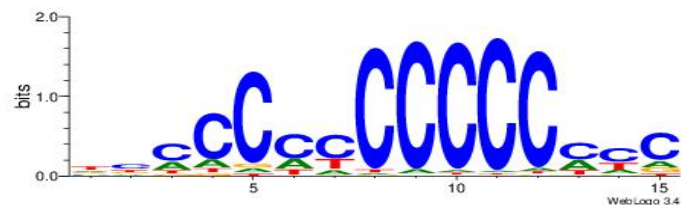
Motif ID:	UP00021
Motif name:	Zfp281_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	13
Similarity score:	0.0317901

Alignment:

DBCCCCCCCCCMYC
-CHCCSCSVSCCCC-

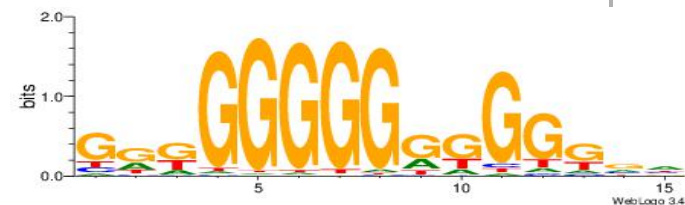
Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD



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:	2
Number of overlap:	13
Similarity score:	0.0384426

Alignment:

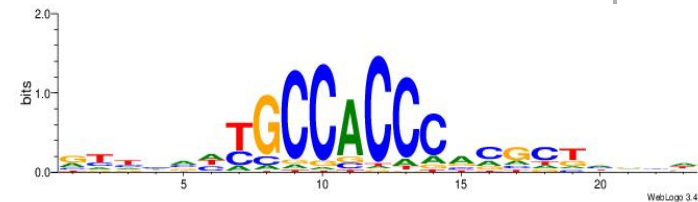
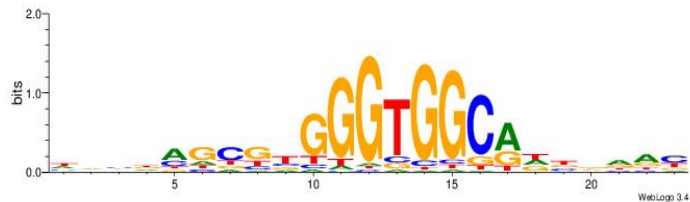
HVBDAGCGBGGGTGGCRDBDDDB
-GGGGSVSGSGGDG-----

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH

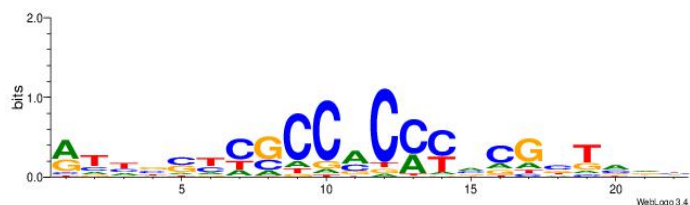


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0386858

Alignment:
 HDBABCGBKRGYGGCGMSBHAK
 GGGSVSGSGGDG-----

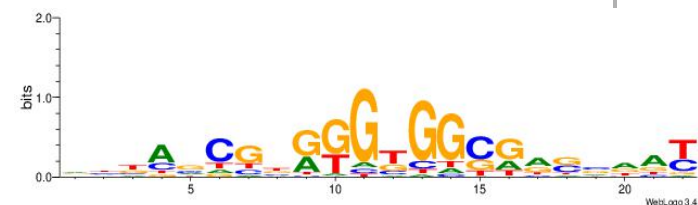
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID: [UP00538](#)

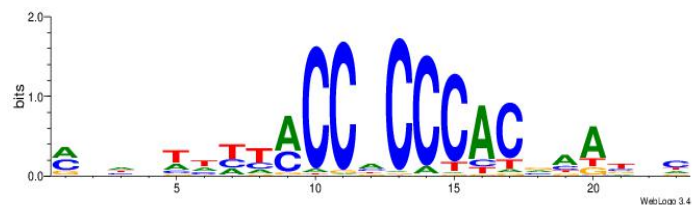
Motif name: Gli1_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 11
 Number of overlap: 13
 Similarity score: 0.0387928

Alignment:

DVVTTVGTGGGHGGYAMHWHHHY
 GGGGSVSGSGGDG-----

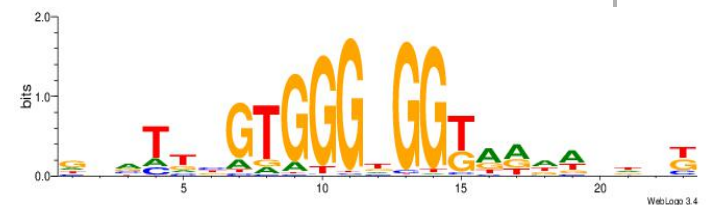
Original motif

Consensus sequence: MHHHWHYTMCCCHCCCACVAABVH



Reverse complement motif

Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY

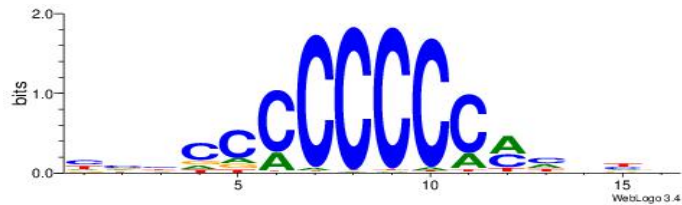


Motif ID: [UP00022](#)
 Motif name: Zfp740_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 13

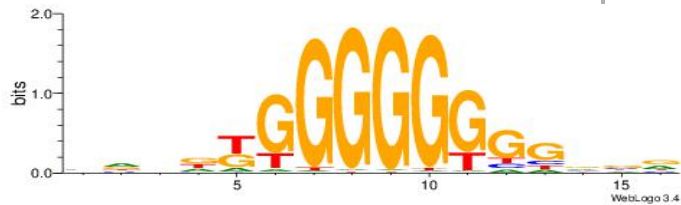
Similarity score: 0.0424015

Alignment:
HVBCCCCCCCCMHHHB
---CHCCSCSVSCCCC

Original motif
Consensus sequence: HVBCCCCCCCCMHHHB

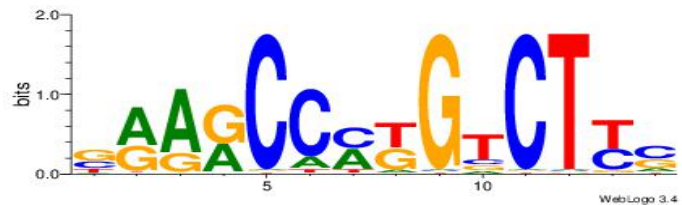


Reverse complement motif
Consensus sequence: BHHDYGGGGGGGGGBVD

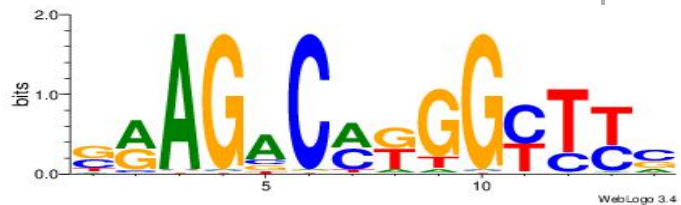


Dataset #: 1 Motif ID: 114 Motif name: C114

Original motif
Consensus sequence: SRARCCMKGTCTYS



Reverse complement motif
Consensus sequence: SMAGACRRGGMTKS



Best Matches for Motif ID 114 (Highest to Lowest)

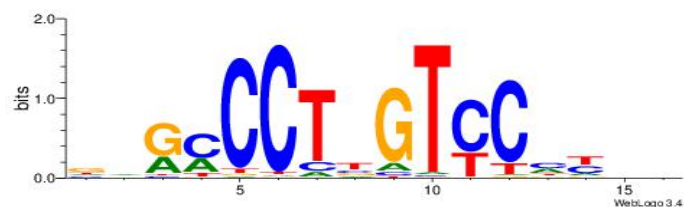
Motif ID: [UP00082](#)
Motif name: Zfp187_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif

Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0219685

Alignment:
DDGMCCTBGTCCCHYHV
SRARCCMKGTCTYS--

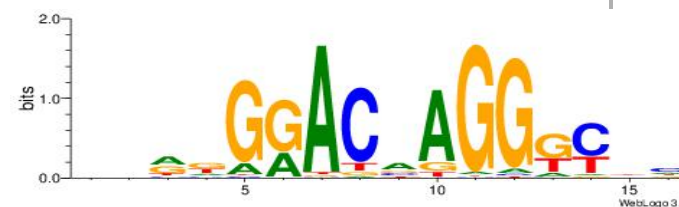
Original motif

Consensus sequence: DDGMCCTBGTCCCHYHV



Reverse complement motif

Consensus sequence: VHMDGGACVAGGRCDH

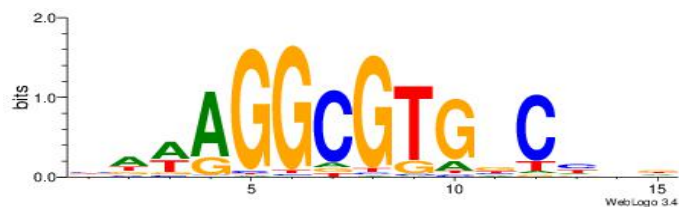


Motif ID: [UP00002](#)
Motif name: Sp4_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 14
Similarity score: 0.0320328

Alignment:
BDWAGGCGTGBCHHD
-SMAGACRRGGMTKS

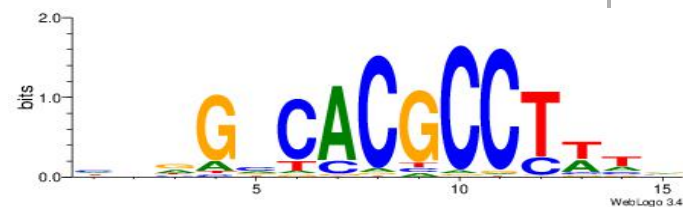
Original motif

Consensus sequence: BDWAGGCGTGBCHHD



Reverse complement motif

Consensus sequence: HHDGBCACGCCTWDB



Motif ID: [UP00093](#)
Motif name: Klf7_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 14
Similarity score: 0.0320453

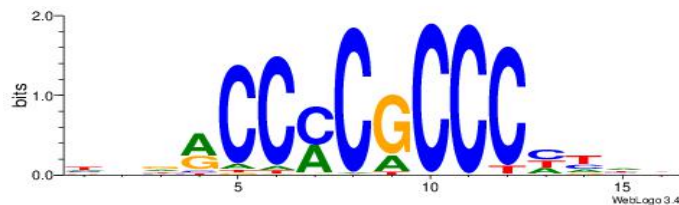
Alignment:

HBDRCMCGCCCHHD

SRARCCMKGCTCTYS--

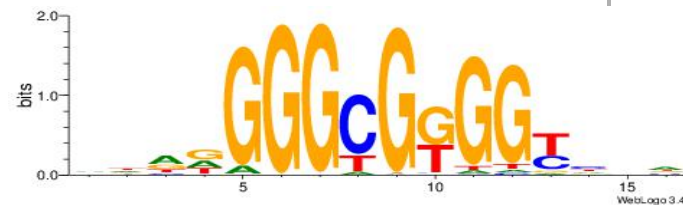
Original motif

Consensus sequence: HBDRCMCGCCCHHD



Reverse complement motif

Consensus sequence: DHHDGGGCGRGGKHBH



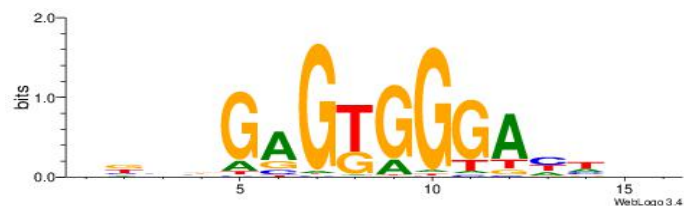
Motif ID: [UP00007](#)
Motif name: Egr1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0338574

Alignment:

BBHBGAGTGGGAHHDB
-SMAGACRRGGMTKS-

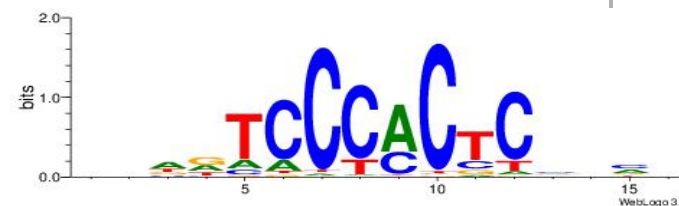
Original motif

Consensus sequence: BBHBGAGTGGGAHHDB



Reverse complement motif

Consensus sequence: BHHDTCCTCACTCBDBV



Motif ID: [UP00009](#)
Motif name: Nr2f2_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward

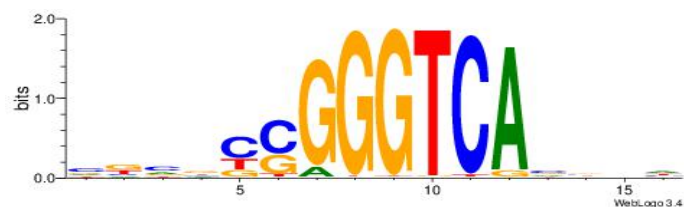
Position number: 3
Number of overlap: 14
Similarity score: 0.0350465

Alignment:

VBVBCSGGGTCAVBBH
SRARCCMKGTCTYS--

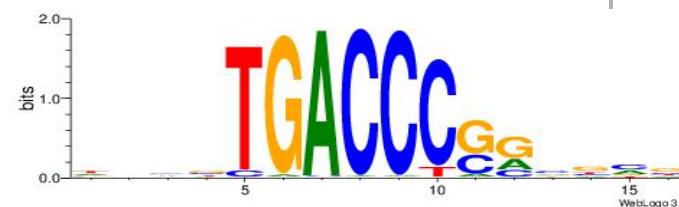
Original motif

Consensus sequence: VBVBCSGGGTCAVBBH



Reverse complement motif

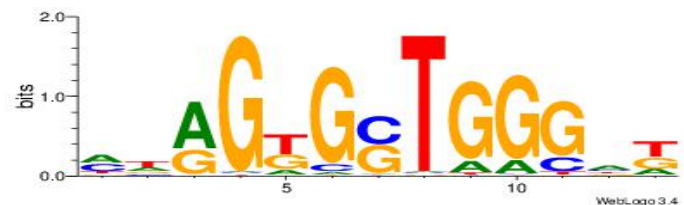
Consensus sequence: HVBVTGACCCSGBVBV



Dataset #: 1 Motif ID: 115 Motif name: C115

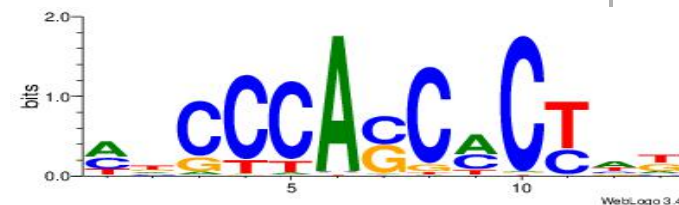
Original motif

Consensus sequence: MDRGKGSTGGGHK



Reverse complement motif

Consensus sequence: RHCCASCRCCKDY



Best Matches for Motif ID 115 (Highest to Lowest)

Motif ID: [UP00099](#)
Motif name: Ascl2_secondary

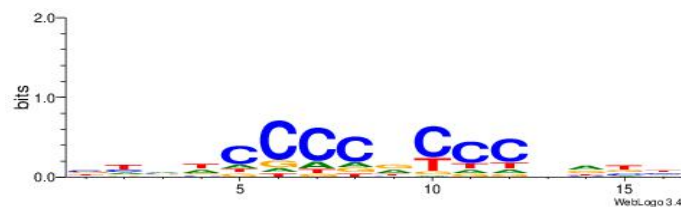
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 13
 Similarity score: 0.0107043

Alignment:

HVDVGGGHGGGGDBHB
 -MDRGKGSTGGGHK--

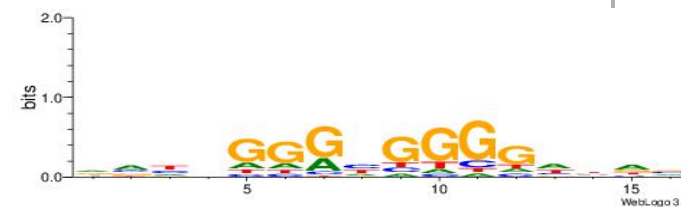
Original motif

Consensus sequence: BHVDCCCCDCCCBDBH



Reverse complement motif

Consensus sequence: HVDVGGGHGGGGDBHB



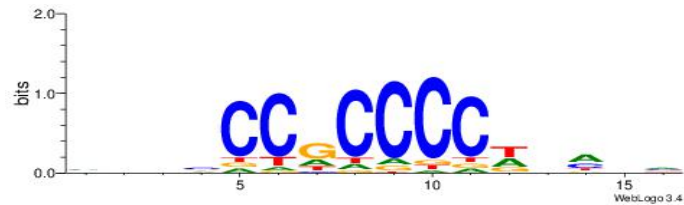
Motif ID: [UP00043](#)
 Motif name: Bcl6b_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0119418

Alignment:

BHHHWGGGGCGGBBVH
--MDRGKGSTGGGHK--

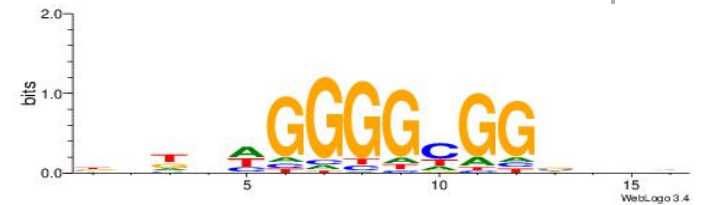
Original motif

Consensus sequence: HBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



Motif ID:	UP00000
Motif name:	Smad3_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	13
Similarity score:	0.0142708

Alignment:

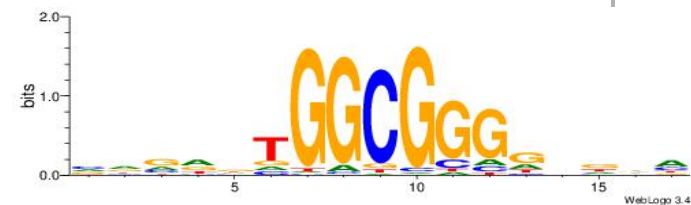
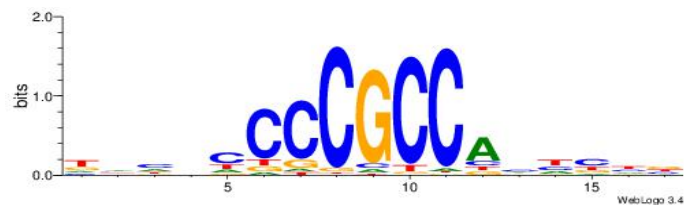
DHHBCCCCGCCAHHBHB
---RHCCASCRCCKDY--

Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB

Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD

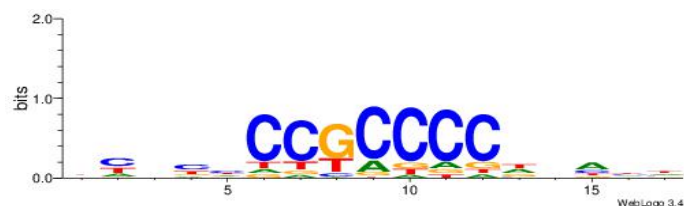


Motif ID: [UP00033](#)
 Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 13
 Similarity score: 0.0145702

Alignment:
 HHHHDGGGGCGGDBHDV
 --MDRGKGSTGGGHK--

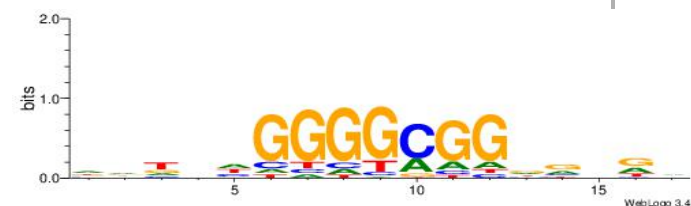
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



Motif ID: [UP00002](#)

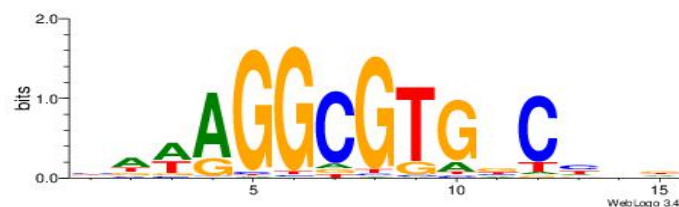
Motif name: Sp4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.0200599

Alignment:

BDWAGGCGTGBCHHD
 -MDRGKGSTGGGKH-

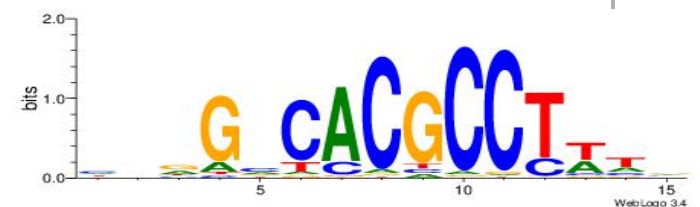
Original motif

Consensus sequence: BDWAGGCGTGBCHHD



Reverse complement motif

Consensus sequence: HHDGBCACGCCTWDB



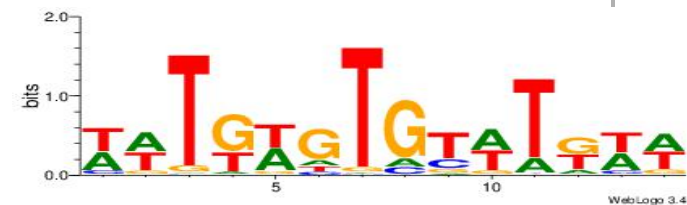
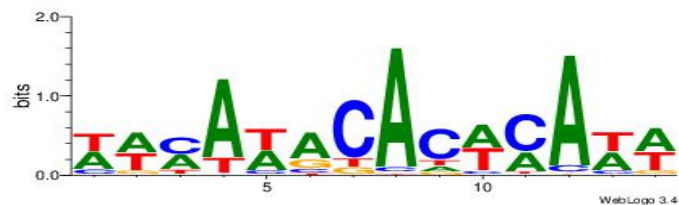
Dataset #: 1 Motif ID: 116 Motif name: C116

Original motif

Consensus sequence: WWMAWACACWMAWW

Reverse complement motif

Consensus sequence: WWTRWGTGTWTRWW

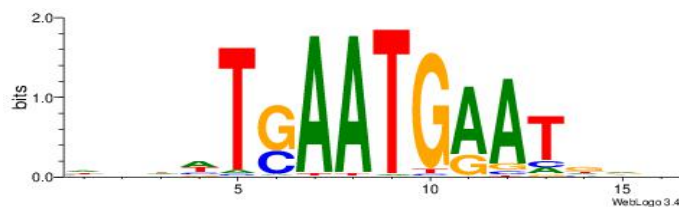


Best Matches for Motif ID 116 (Highest to Lowest)

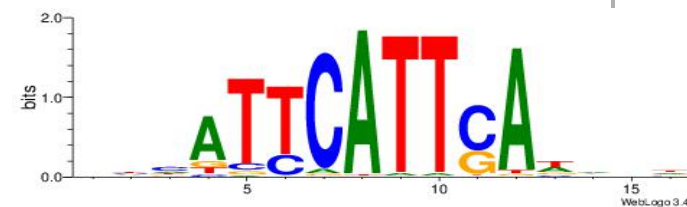
Motif ID: [UP00055](#)
 Motif name: Hbp1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0242601

Alignment:
 HHDWTSAAATGAATDDB
 WWMAWACACWMAWW--

Original motif
 Consensus sequence: HHDWTSAAATGAATDDB



Reverse complement motif
 Consensus sequence: VDHATTCATTSWDDH



Motif ID: [UP00061](#)

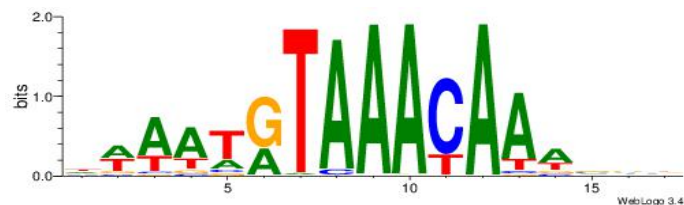
Motif name: Foxl1_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.02629

Alignment:

DWAATRТАААСААWVVB
 WWMACACWMAWW---

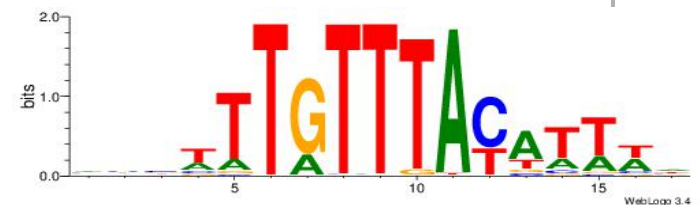
Original motif

Consensus sequence: DWAATRТАААСААWVVB



Reverse complement motif

Consensus sequence: VVVWTTGTTTAMATTWD



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: 7
 Number of overlap: 14

Similarity score: 0.0267723

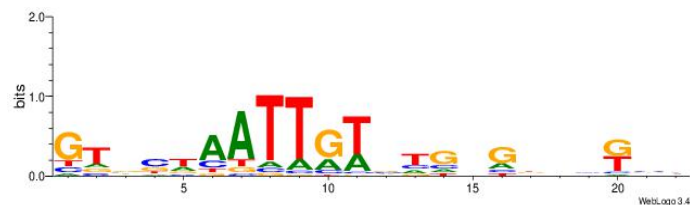
Alignment:

GTVBDAATTGTVTGHGDDHKVB

-----WWTRWGTGTWTRWW--

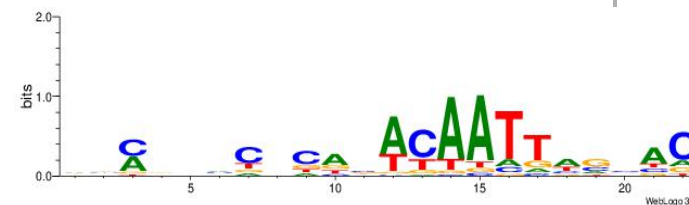
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



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: 0.0270117

Alignment:

DTBVTTAAGTGGTTHHV

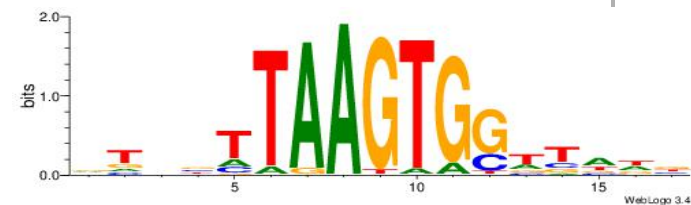
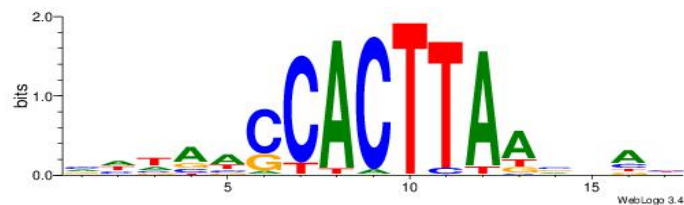
---WWTRWGTGTWTRWW

Original motif

Consensus sequence: VHHAACCACTTAHVVAH

Reverse complement motif

Consensus sequence: DTBVTTAAGTGGTTHHV

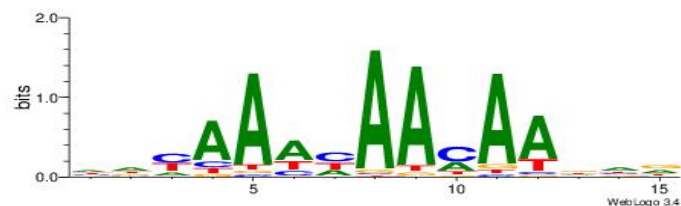


Motif ID: [UP00037](#)
 Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0271642

Alignment:
 HDYAAHAAMAADHD
 WMAWACACWMAW-

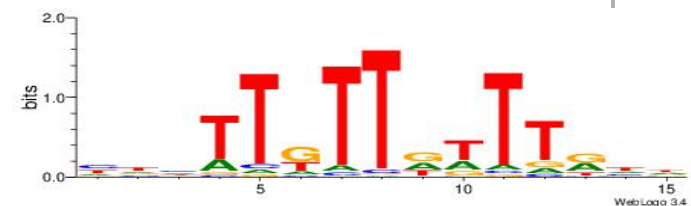
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

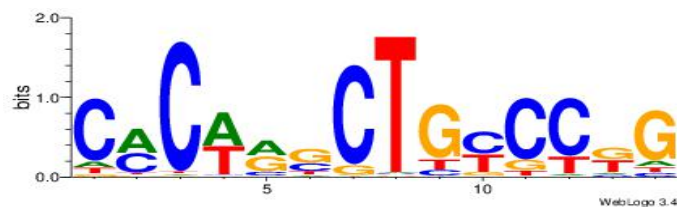
Consensus sequence: HHHTRTTDTTTKDH



Dataset #: 1 **Motif ID: 117** **Motif name: C117**

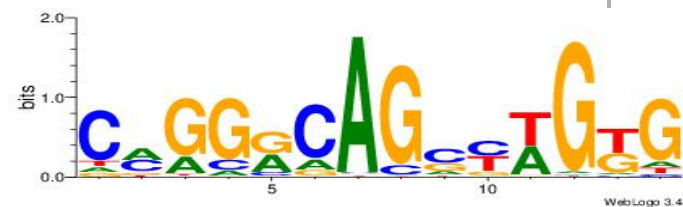
Original motif

Consensus sequence: CMCWRCTGYCCKG



Reverse complement motif

Consensus sequence: CYGGKCAGSKWGYG



Best Matches for Motif ID 117 (Highest to Lowest)

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:	0.023372

Alignment:

DDHHTBCCAGTGABHG

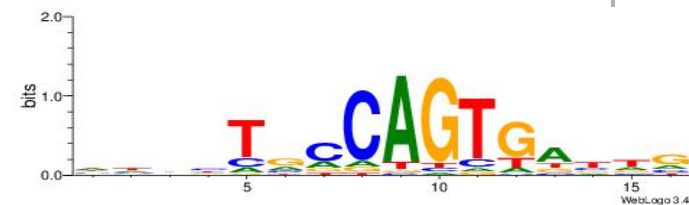
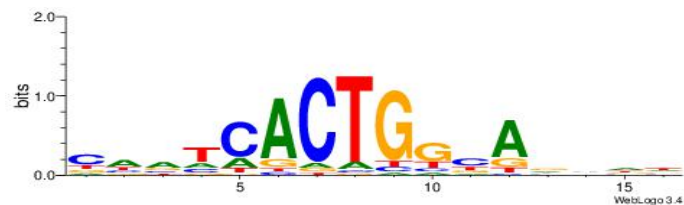
--CYGGKCAGSKWGYG

Original motif

Consensus sequence: CHVTCAGTGGBADHDD

Reverse complement motif

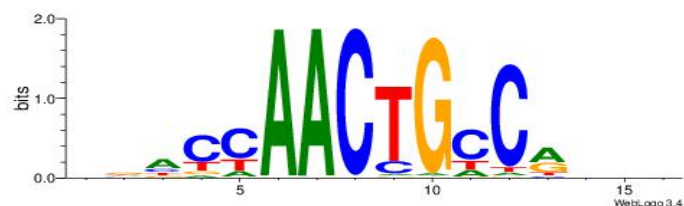
Consensus sequence: DDHHTBCCAGTGABHG



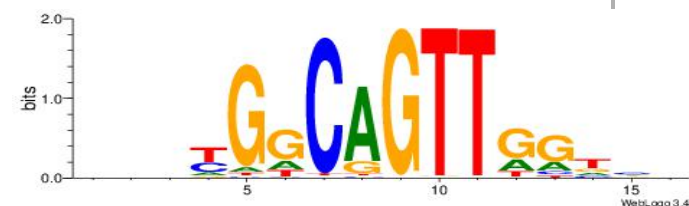
Motif ID: [UP00092](#)
 Motif name: Myb_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0238724

Alignment:
 DBVKGGCAGTTGGTHB
 -CYGGKCAGSKWGYG-

Original motif
 Consensus sequence: BDACCAACTGCCRBH



Reverse complement motif
 Consensus sequence: DBVKGGCAGTTGGTHB



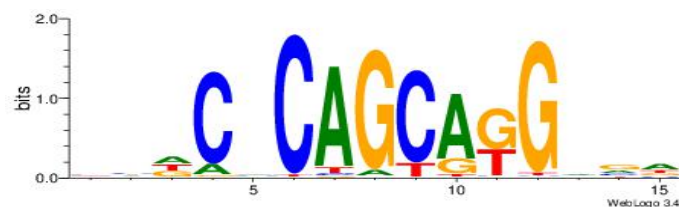
Motif ID: [UP00057](#)

Motif name: Zic2_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0250247

Alignment:
 HHDCVCAGCAKGVVD
 CYGGKCAGSKWGYG-

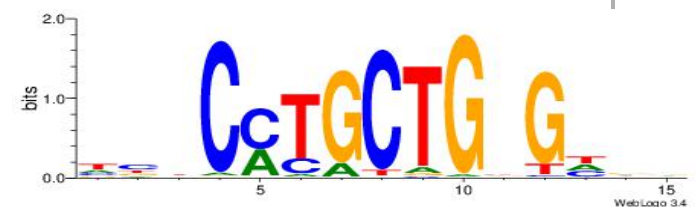
Original motif

Consensus sequence: HHDCVCAGCAKGVVD



Reverse complement motif

Consensus sequence: DVBCYTGCTGBGDDD



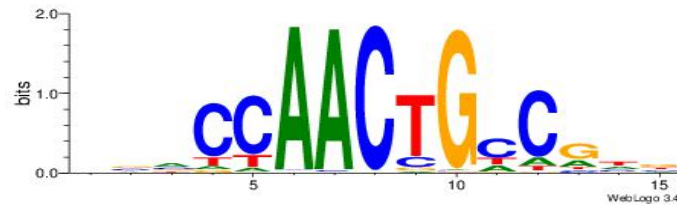
Motif ID: [UP00081](#)
 Motif name: Mybl1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0262709

Alignment:

BHCGGCAGTTGGBBB
CYGGKCAGSKWGYG-

Original motif

Consensus sequence: BBVCCAAGTCCGHB



Reverse complement motif

Consensus sequence: BHCGGCAGTTGGBBB



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:	Forward
Position number:	2
Number of overlap:	14
Similarity score:	0.0274658

Alignment:

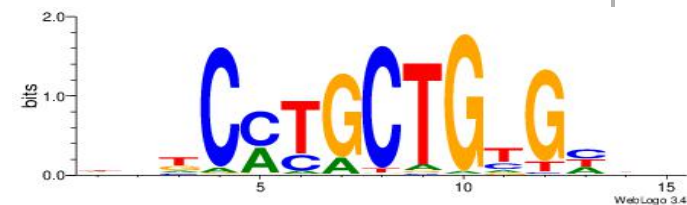
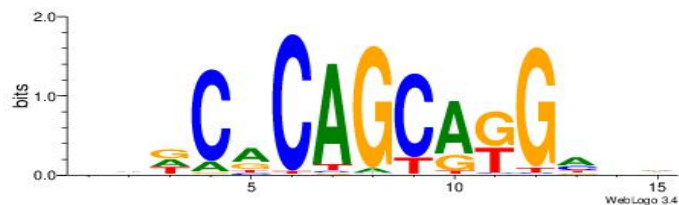
DVHCYTGCTGTGHDH
-CMCWRSC TGYCCKG

Original motif

Consensus sequence: DDDCACAGCAKGHVD

Reverse complement motif

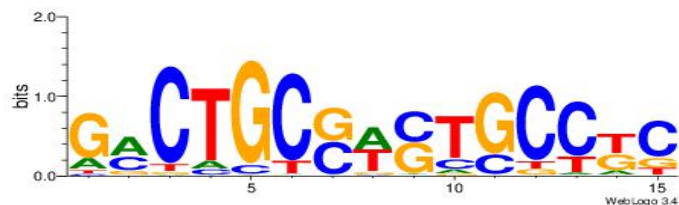
Consensus sequence: DVHCYTGCTGTGHDH



Dataset #: 1 Motif ID: 118 Motif name: C118

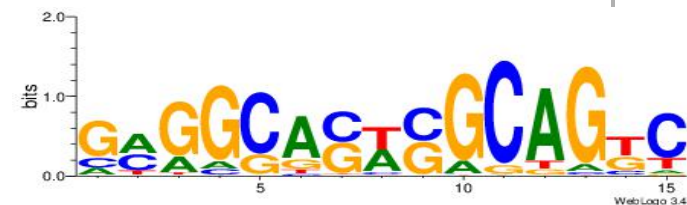
Original motif

Consensus sequence: GMCTGCSWSTGCCKC



Reverse complement motif

Consensus sequence: GRGGCASWSGCAGYC



Best Matches for Motif ID 118 (Highest to Lowest)

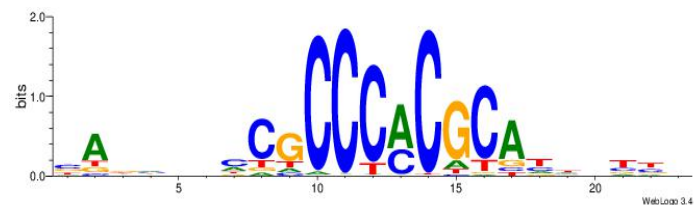
Motif ID:	UP00400
Motif name:	Zif268
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	6
Number of overlap:	15
Similarity score:	0.0439545

Alignment:

VVVDHHTGCGYGGGCGDHSVHHTB
 ---GMCTGCSWSTGCCKC-----

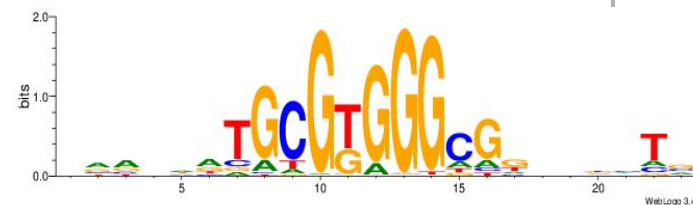
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB



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:	15
Similarity score:	0.0446432

Alignment:

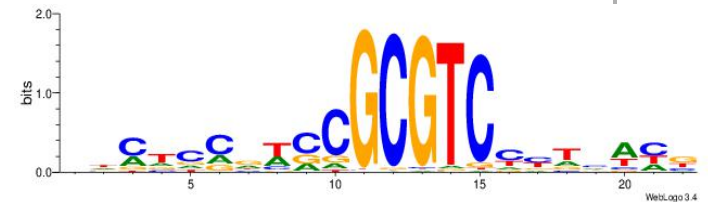
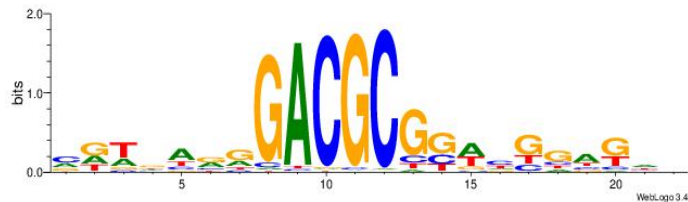
VHYTCCDWCCGCGTCMMTHWHV
 GMCTGCSWSTGCCKC-----

Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAKHV

Reverse complement motif

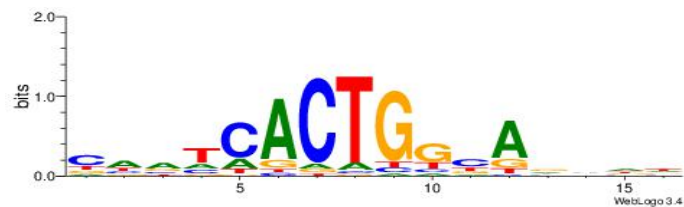
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



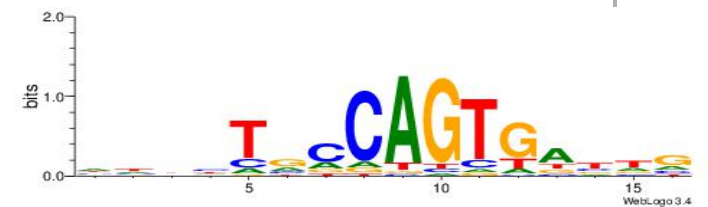
Motif ID: [UP00031](#)
 Motif name: Zbtb3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0451734

Alignment:
 CHVTCACTGGBADHDD
 -GMCTGCSWSTGCCCKC

Original motif
 Consensus sequence: CHVTCACTGGBADHDD



Reverse complement motif
 Consensus sequence: DDHHTBCCAGTGABHG



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

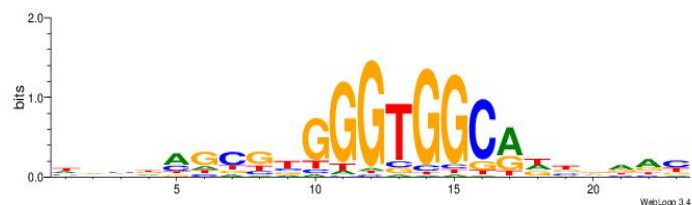
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 15
 Similarity score: 0.0458009

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 ---GMCTGCSWSTGCCKC-----

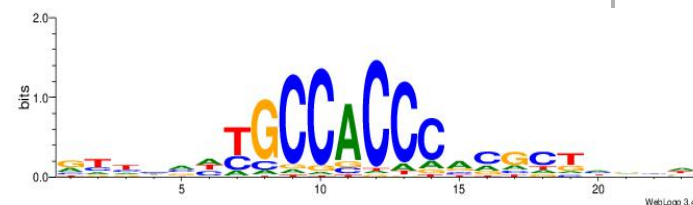
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



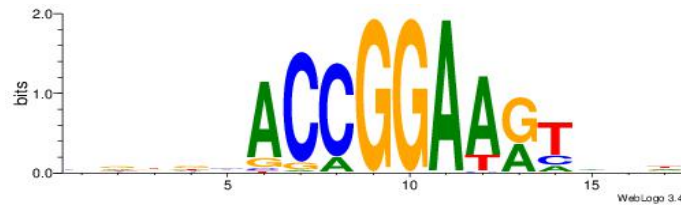
Motif ID: [UP00414](#)
 Motif name: Ets1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 15
 Similarity score: 0.0501418

Alignment:

BDDDHACCGGAARTVDD
GRGGCASWSGCAGYC--

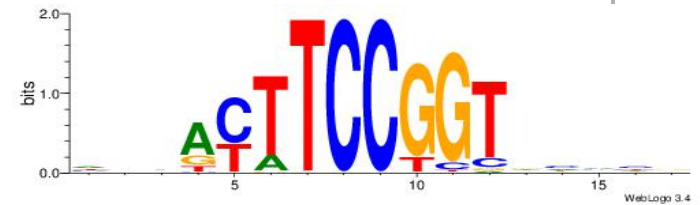
Original motif

Consensus sequence: BDDDHACCGGAARTVDD



Reverse complement motif

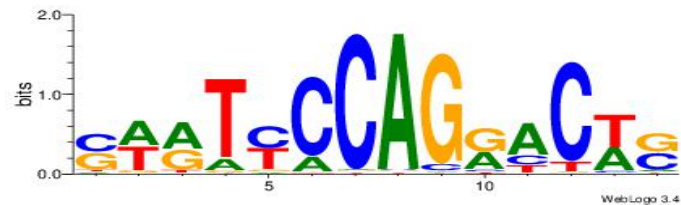
Consensus sequence: DDBAMTTCCGGTDHDB



Dataset #: 1 Motif ID: 119 Motif name: C119

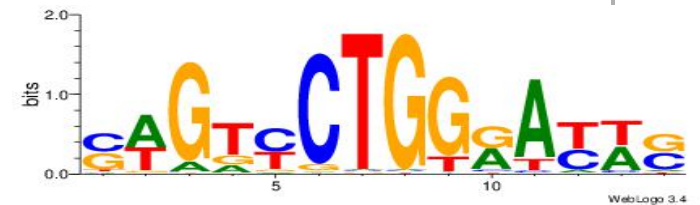
Original motif

Consensus sequence: SWRTYCCAGRACWS



Reverse complement motif

Consensus sequence: SWGTMCTGGKAKWS



Best Matches for Motif ID 119 (Highest to Lowest)

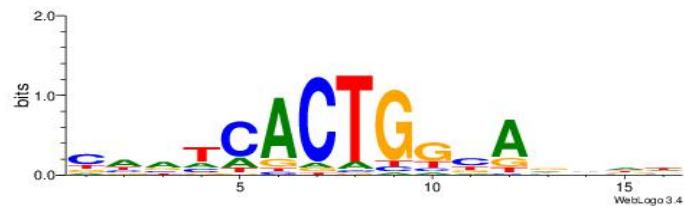
Motif ID:	UP00031
Motif name:	Zbtb3_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif

Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0288751

Alignment:
CHVTCACTGGBADHDD
-SWGTMCTGGKAKWS-

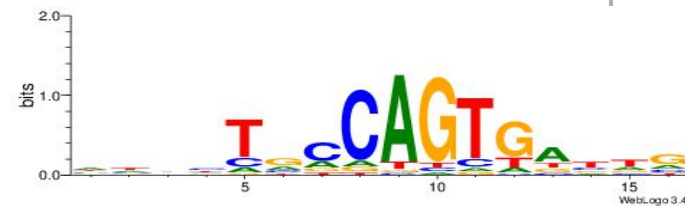
Original motif

Consensus sequence: CHVTCACTGGBADHDD



Reverse complement motif

Consensus sequence: DDHHTBCCAGTGABHG



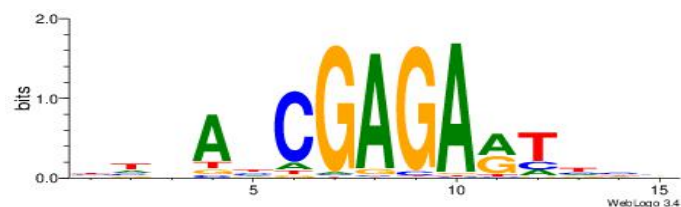
Motif ID: [UP00040](#)
Motif name: Irf5_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0294274

Alignment:

BHDAHCGAGARTHBV
SWRTYCCAGRACWS-

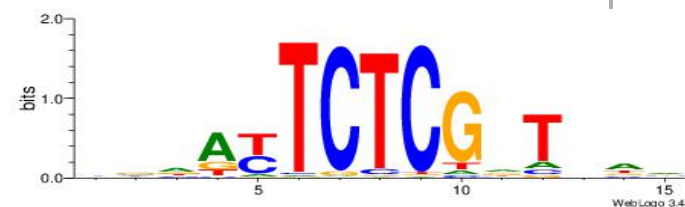
Original motif

Consensus sequence: BHDAHCGAGARTHBV



Reverse complement motif

Consensus sequence: VBHAKTCTCGHTHHV



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:	1
Number of overlap:	14
Similarity score:	0.031753

Alignment:

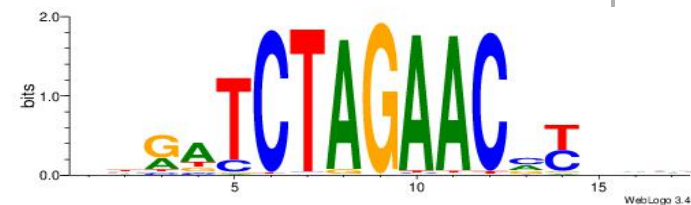
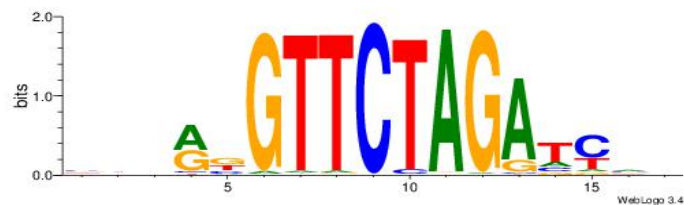
BDHRBGGTCTAGATCVB
---SWRTYCCAGRACWS

Original motif

Consensus sequence: BDHRBGGTCTAGATCVB

Reverse complement motif

Consensus sequence: BBGATCTAGAACBKHDB

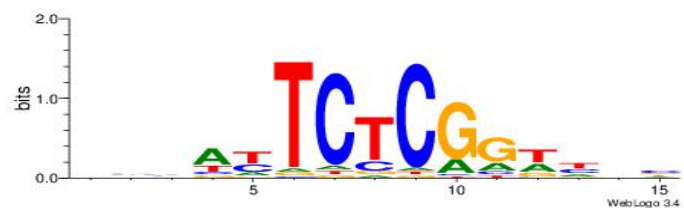


Motif ID: [UP00018](#)
 Motif name: Irf4_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0323112

Alignment:
 BHHWCCGAGAMTVVB
 SWRTYCCAGRACWS-

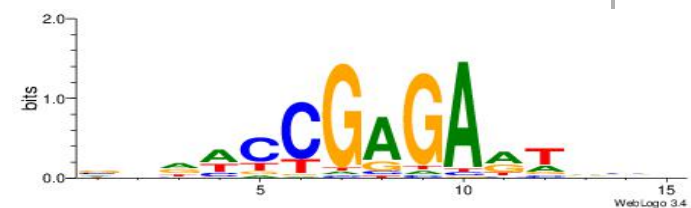
Original motif

Consensus sequence: VVBAYTCTCGGWHDB



Reverse complement motif

Consensus sequence: BHHWCCGAGAMTVVB



Motif ID: [UP00203](#)

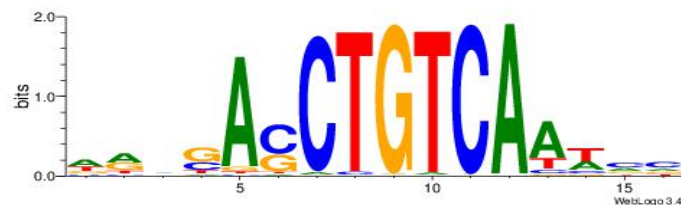
Motif name: Pknox1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0328626

Alignment:

VVWTTGACAGSTSBKD
 -SWRTYCCAGRACWS-

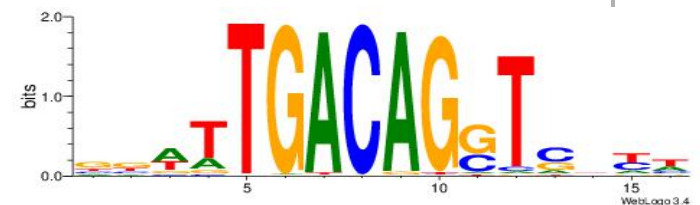
Original motif

Consensus sequence: DRVSASCTGTCAAWVV



Reverse complement motif

Consensus sequence: VVWTTGACAGSTSBKD



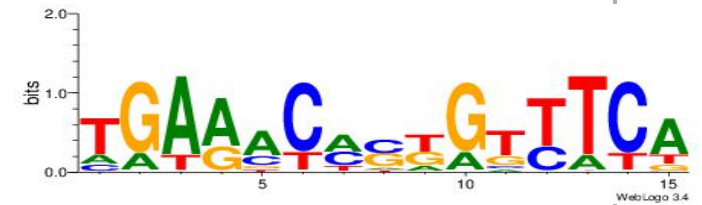
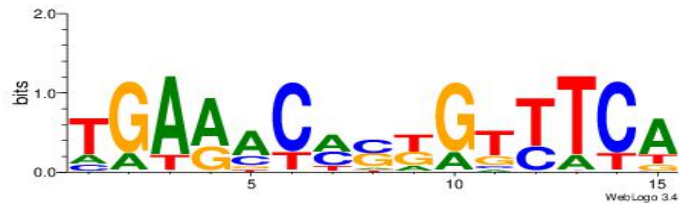
Dataset #: 1 Motif ID: 120 Motif name: C120

Original motif

Consensus sequence: TGARACMSKGTYTCA

Reverse complement motif

Consensus sequence: TGAMACRSYGTKTCA



Best Matches for Motif ID 120 (Highest to Lowest)

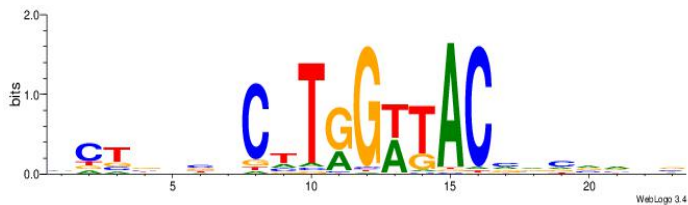
Motif ID: [UP00098](#)
 Motif name: Rfx3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 15
 Similarity score: 0.0456935

Alignment:

BDBBVBVGTAWCCAAGVBHBAGB
 -----TGARACMSKGTYTCA--

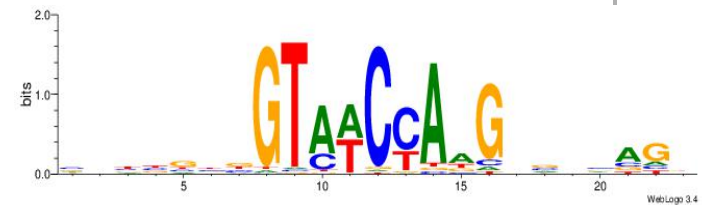
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



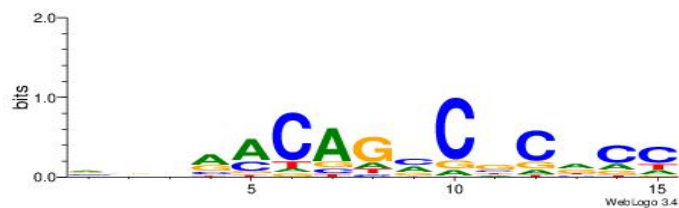
Motif ID: [UP00036](#)
 Motif name: Myf6_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.049534

Alignment:

GGDGBGVCTGTKVVB
 TGAMACRSYGTKTCA

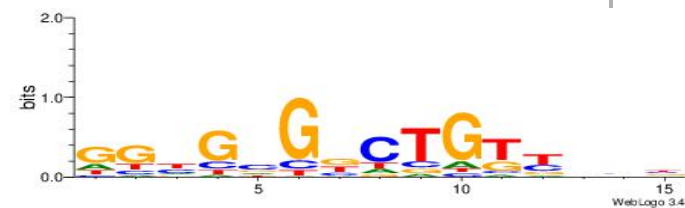
Original motif

Consensus sequence: VVVRACAGVCBCDCC



Reverse complement motif

Consensus sequence: GGDGBGVCTGTKVVB



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: 5

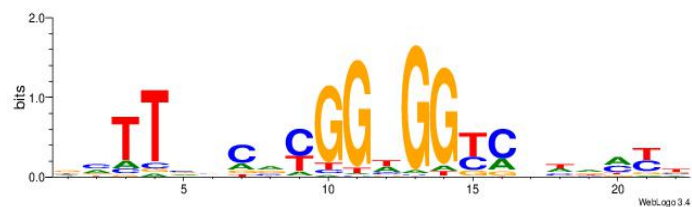
Number of overlap: 15
Similarity score: 0.0503421

Alignment:

VMYDHDGMCCCHCKBGVVAHVH
-----TGAMACRSYGTCTCA---

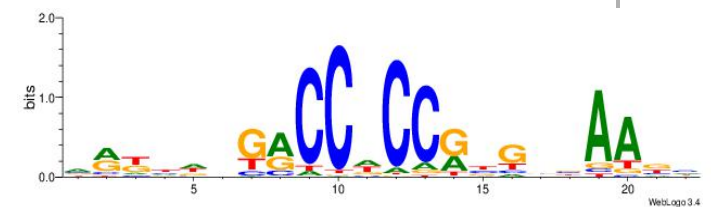
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH



Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 7
Number of overlap: 15
Similarity score: 0.0525165

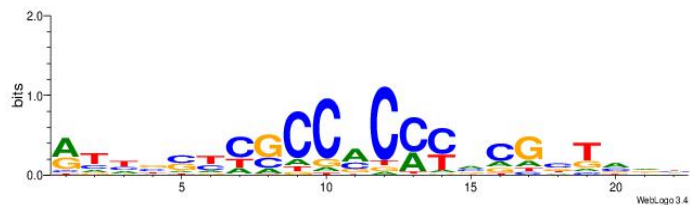
Alignment:

RTHBSYCGCCMCMYVCGBTVDH
-----TGARACMSKGTYTCA-

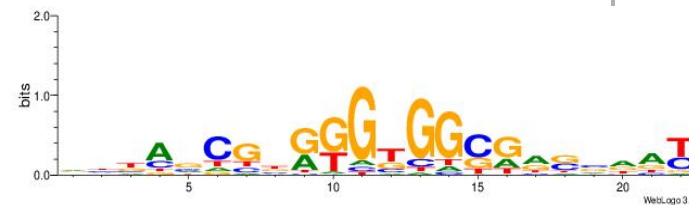
Original motif

Reverse complement motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Consensus sequence: HDBABCBKRGYGGCGMSBHAK



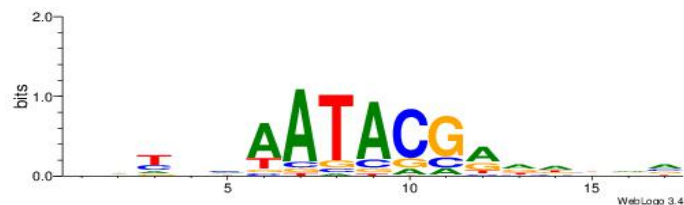
Motif ID: [UP00059](#)
Motif name: Arid5a_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 15
Similarity score: 0.0539819

Alignment:

BDYDVAATACGADDBVV
--TGARACMSKGYTCA

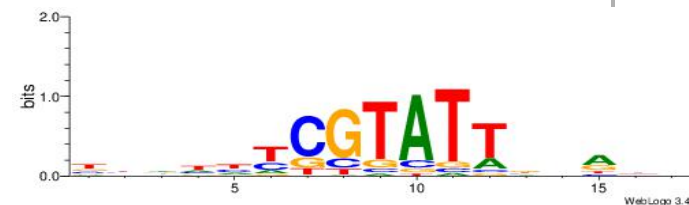
Original motif

Consensus sequence: BDYDVAATACGADDBVV



Reverse complement motif

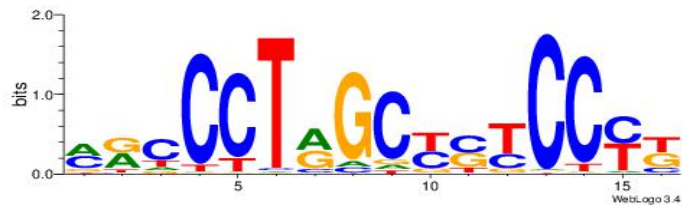
Consensus sequence: BBVDDTCGTATTVDMHB



Dataset #: 1 **Motif ID: 121** **Motif name: C121**

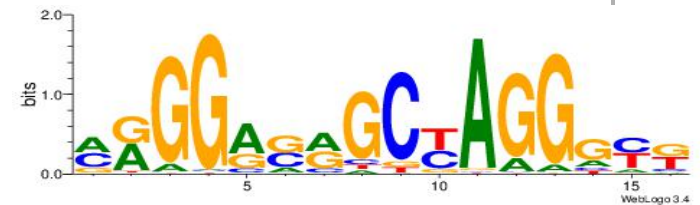
Original motif

Consensus sequence: MRCCCTRGCYSTCCYK



Reverse complement motif

Consensus sequence: RKGGASMGCKAGGGMY



Best Matches for Motif ID 121 (Highest to Lowest)

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:	5
Number of overlap:	16
Similarity score:	0.0432795

Alignment:

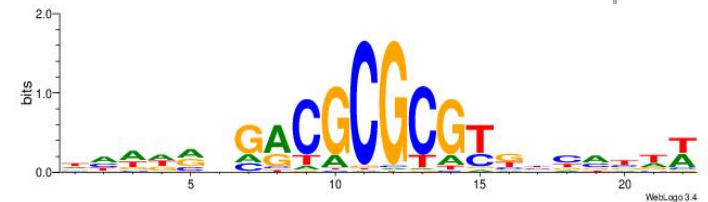
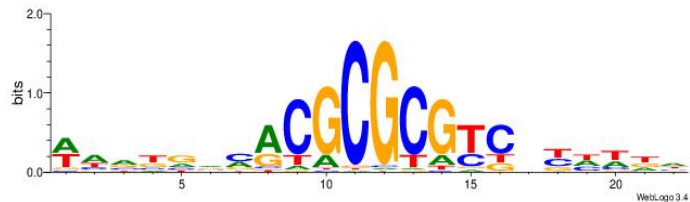
```
WHVBVVMACGCGCGTCDYHWDH
--RKGGASMGCKAGGGMY----
```

Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH

Reverse complement motif

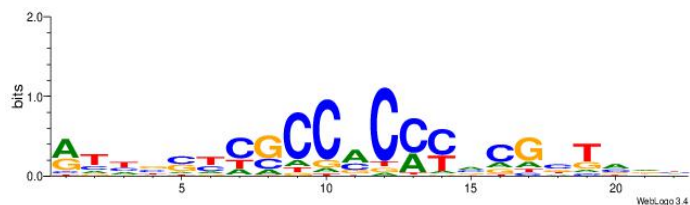
Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



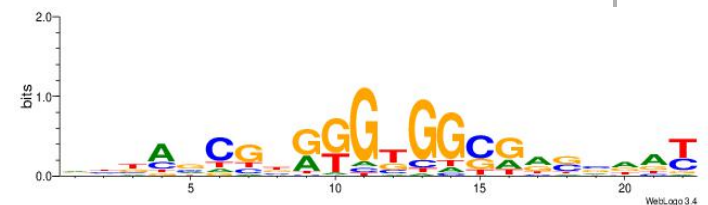
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0435346

Alignment:
 HDBABCGBKRGYGGCGMSBHAK
 -----RKGGASMGCKAGGGMY

Original motif
 Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif
 Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary

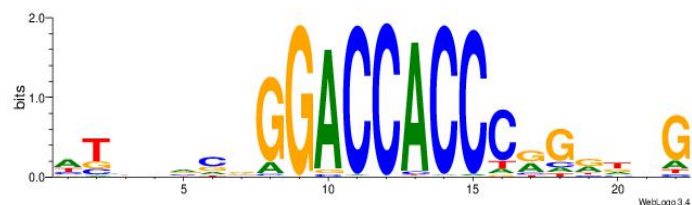
Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.043859

Alignment:

CBDMCMGGGTGGTCCHVBVBAH
 -MRCCCTRGCYSTCCYK-----

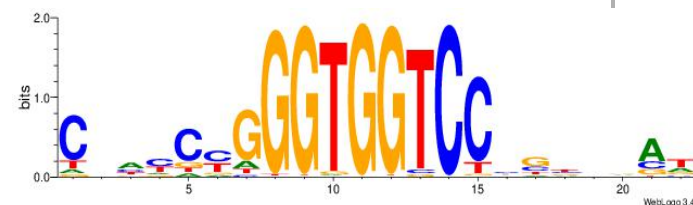
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



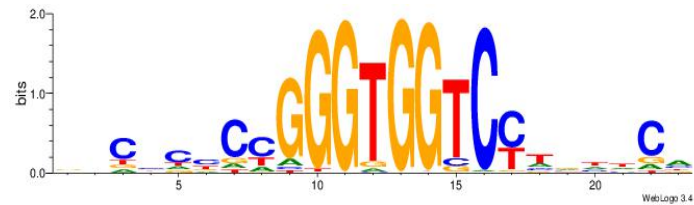
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 16
 Similarity score: 0.0450464

Alignment:

BHCBCBCCGGGTGGTCYHVHDCH
---MRCCCTRGCYSTCCYK----

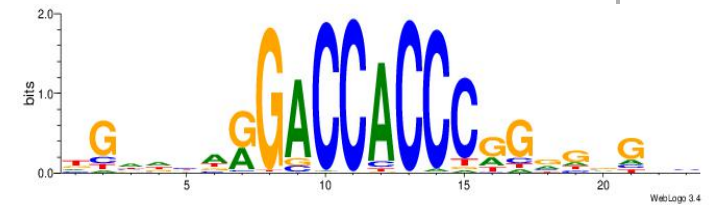
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH



Reverse complement motif

Consensus sequence: HGDHVHKGACCACCCGGBGBGDB



Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 16
Similarity score: 0.0451554

Alignment:

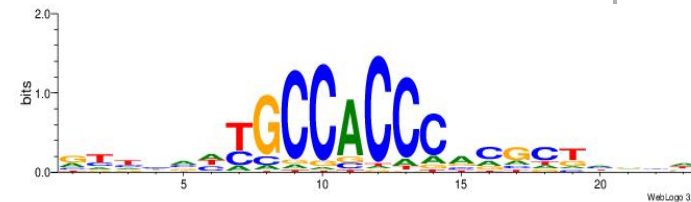
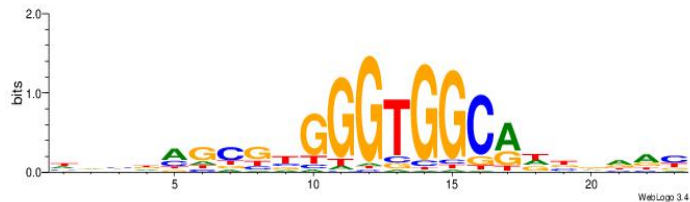
BDDHVDKGCCACCCVCGCTDBVH
-----RKGGASMGCKAGGGMY

Original motif

Consensus sequence: HVBDAGCGBGGTGGCRDBDDDB

Reverse complement motif

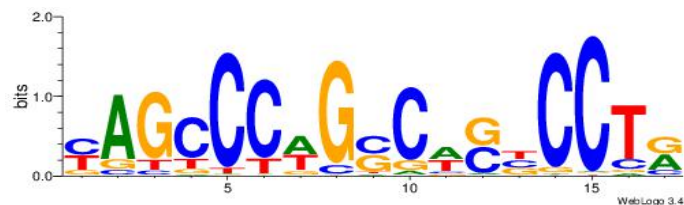
Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Dataset #: 1 Motif ID: 122 Motif name: C122

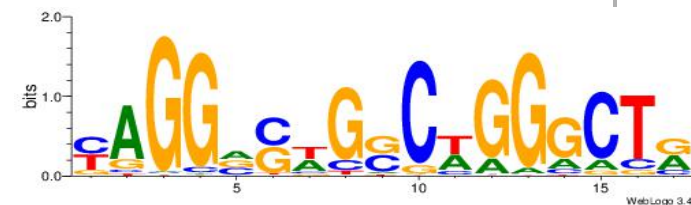
Original motif

Consensus sequence: YAGCCCWGSCWSBCCTR



Reverse complement motif

Consensus sequence: MAGGVSWGSCWGGGCTK



Best Matches for Motif ID 122 (Highest to Lowest)

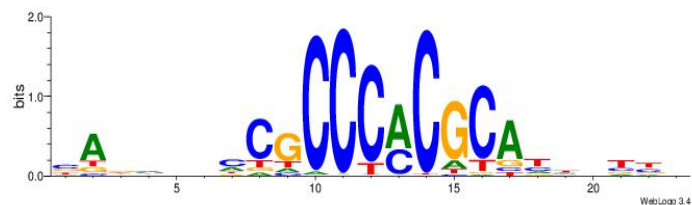
Motif ID:	UP00400
Motif name:	Zif268
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	7
Number of overlap:	17
Similarity score:	0.0374003

Alignment:

VVVDHHTGCGYGGGCGDHVHHTB
MAGGVSWGSCWGGGCTK-----

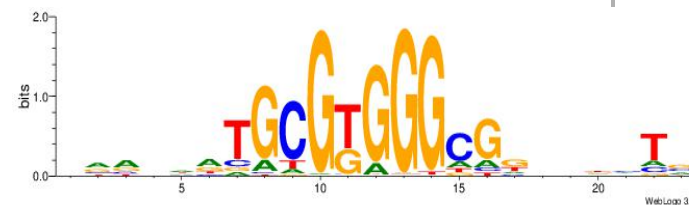
Original motif

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:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	17
Similarity score:	0.0431179

Alignment:

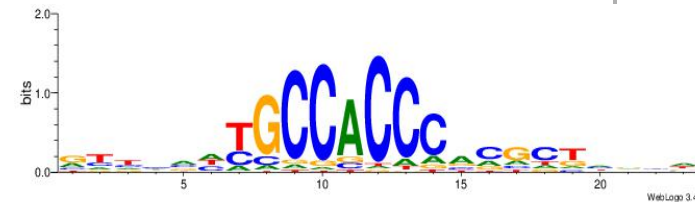
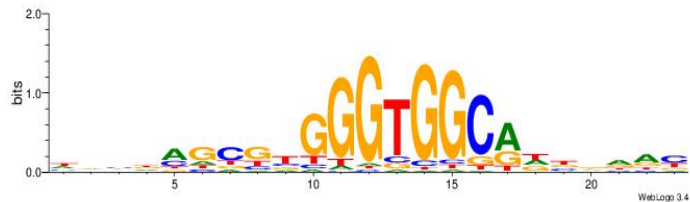
BDDHVDKGCCACCCVCGCTDBVH
----YAGCCCWGSBCCTR--

Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB

Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



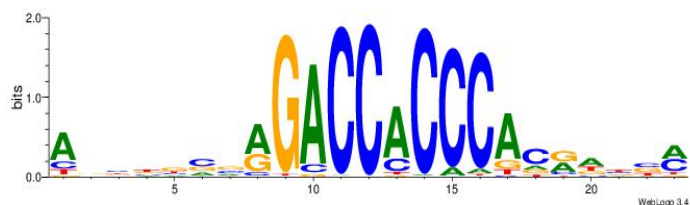
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 17
 Similarity score: 0.0445547

Alignment:

YBVDMSGTGGGTGGTCKVVBVBBT
 MAGGVSWGSCWGGGCTK-----

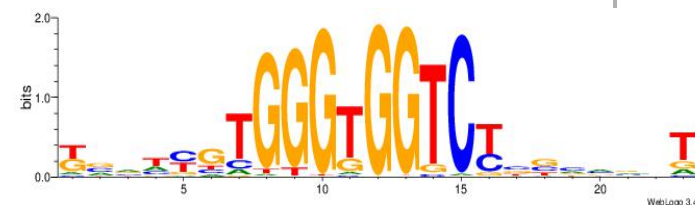
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMSGTGGGTGGTCKVVBVBBT



Motif ID: [UP00539](#)

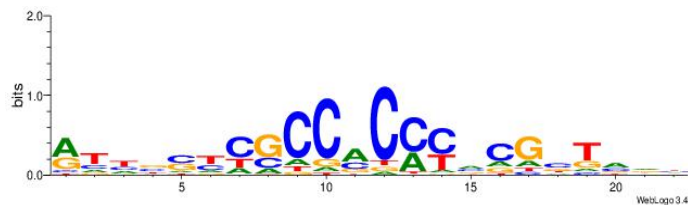
Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 17
 Similarity score: 0.0459573

Alignment:

HDBABCGBKRGYGGCGMSBHAK
 -----MAGGVSWGSCWGGGCTK

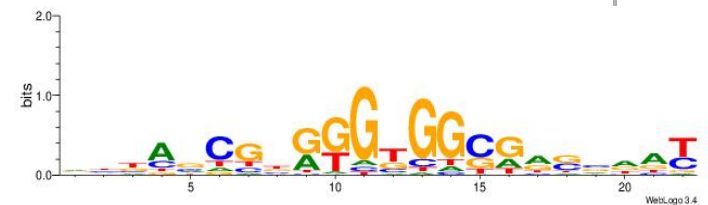
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

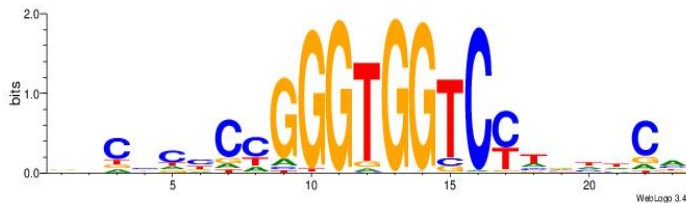


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 17

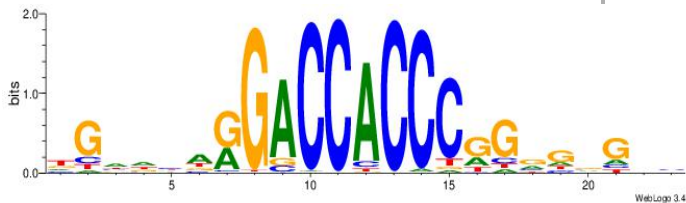
Similarity score: 0.0473282

Alignment:
BHCBCBCCGGGTGGTCYHVHDCH
--YAGCCCWGCWSBCCTR-----

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVHDCH

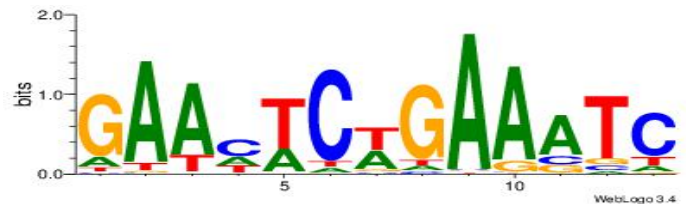


Reverse complement motif
Consensus sequence: HGDHVHKGACCACCCGGBGBGDB

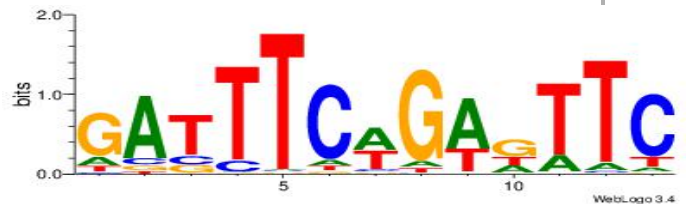


Dataset #: 1 Motif ID: 123 Motif name: C123

Original motif
Consensus sequence: GAAMTCWGAAATC



Reverse complement motif
Consensus sequence: GATTTCWGARTTC



Best Matches for Motif ID 123 (Highest to Lowest)

Motif ID: [UP00015](#)
Motif name: Ehf_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement

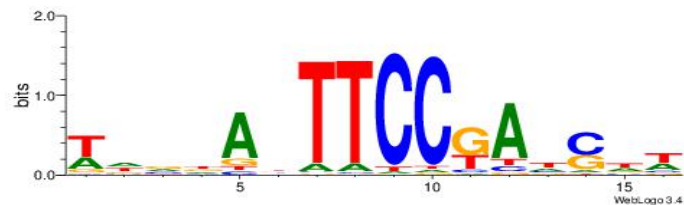
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	13
Similarity score:	0.0397393

Alignment:

```
WDVDABTTCCKAHSDW
---GATTTCWGARTTC
```

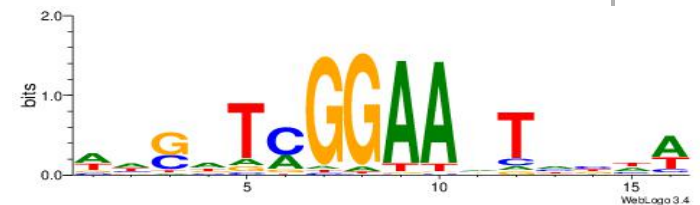
Original motif

Consensus sequence: WDV DABTTCC KAHS DW



Reverse complement motif

Consensus sequence: WDSHTYGGAAVTDVDW



Motif ID:	UP00409
Motif name:	Elf5
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	13
Similarity score:	0.0411525

Alignment:

BWAHSMGGAAGTWD
GAAMTCWGAAATC-

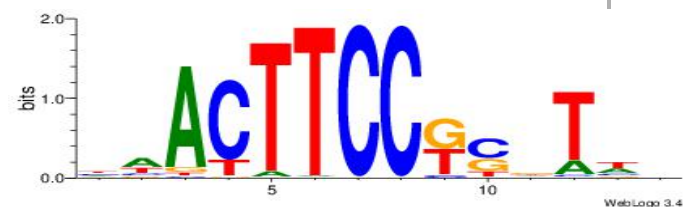
Original motif

Consensus sequence: BWAHSMGGAAGTWD



Reverse complement motif

Consensus sequence: DWACTTCCRSDTWV



Motif ID:	UP00015
Motif name:	Ehf_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	13
Similarity score:	0.0417179

Alignment:

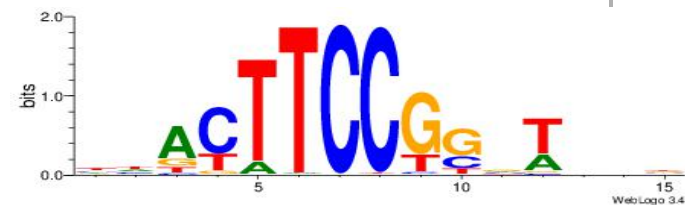
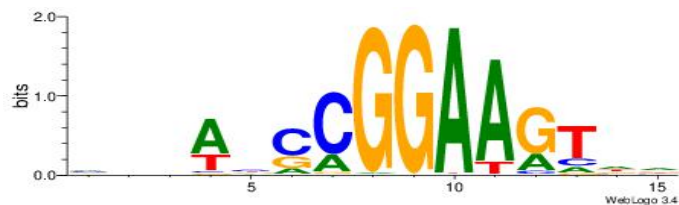
VBDABCCGGAAGTDD
-GAAMTCWGAAATC-

Original motif

Consensus sequence: VBDABCCGGAAGTDD

Reverse complement motif

Consensus sequence: DDACTTCCGGBTHBB

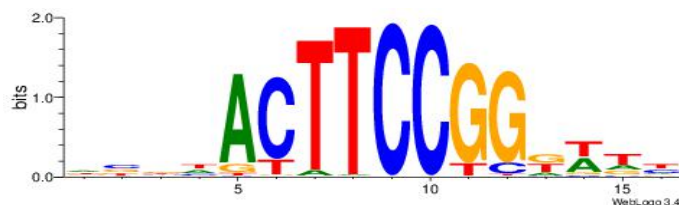


Motif ID: [UP00413](#)
 Motif name: Elf4
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 13
 Similarity score: 0.0418022

Alignment:
 DBBHACTTCCGGKWTH
 ---GATTTCWGARTTC

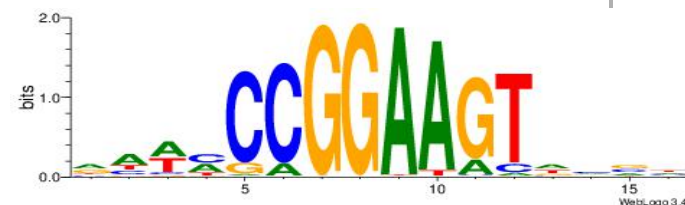
Original motif

Consensus sequence: DBBHACTTCCGGKWTH



Reverse complement motif

Consensus sequence: HAWYCCGGAAGTHBBD



Motif ID: [UP00418](#)

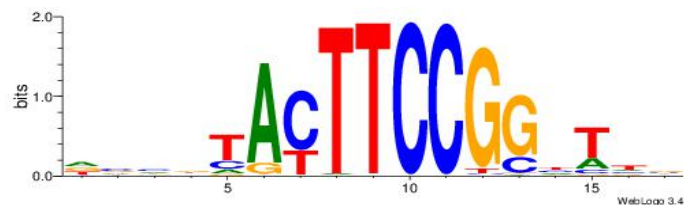
Motif name: Etv6
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 13
 Similarity score: 0.0418622

Alignment:

BHAHCCGGAAGTABDVD
 GAAMTCWGAAATC----

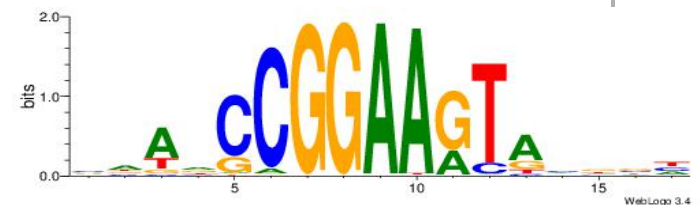
Original motif

Consensus sequence: DVHBTACTTCCGGHTHB



Reverse complement motif

Consensus sequence: BHAHCCGGAAGTABDVD



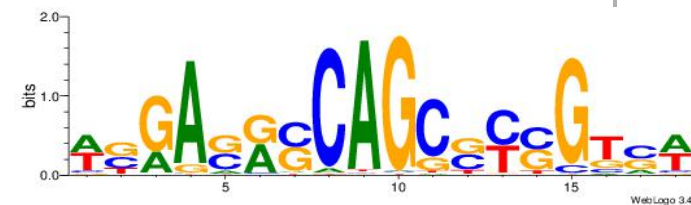
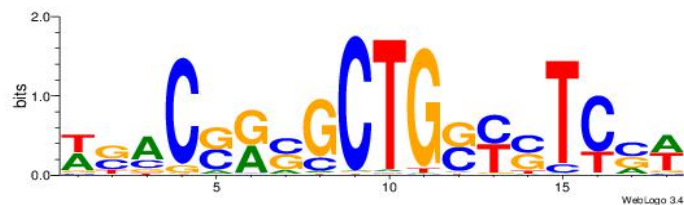
Dataset #: 1 Motif ID: 124 Motif name: C124

Original motif

Consensus sequence: WSACSRSGCTGSYSTCSW

Reverse complement motif

Consensus sequence: WSGASKSCAGCSMSGTSW



Best Matches for Motif ID 124 (Highest to Lowest)

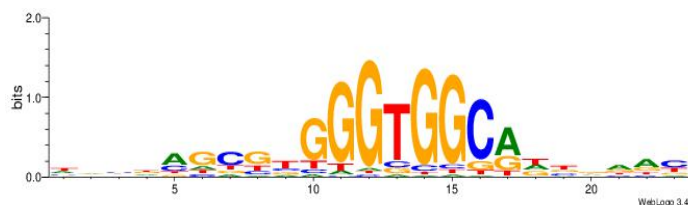
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0329213

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 --WSGASKSCAGCSMSGTSW---

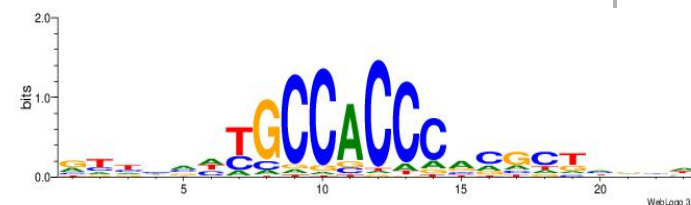
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



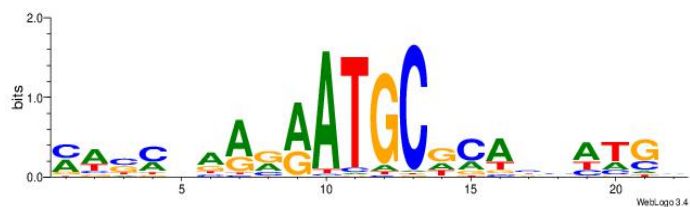
Motif ID: [UP00528](#)
 Motif name: Foxm1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 18
 Similarity score: 0.0329451

Alignment:

MWSMBAARRATGCD CABHATGD
 -WSACSRSGCTGSYSTCSW---

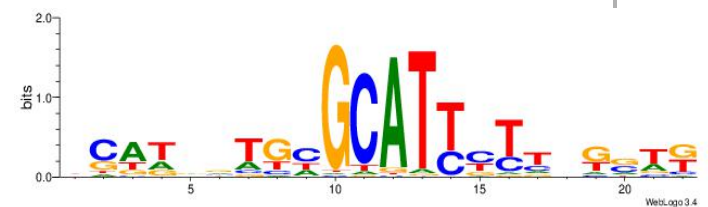
Original motif

Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif

Consensus sequence: DCATDBTGHGCATKMTTBRSWR



Motif ID: [UP00526](#)
 Motif name: Foxn1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4

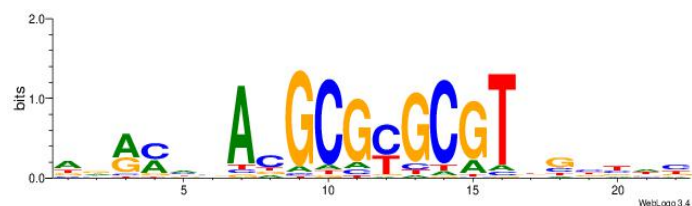
Number of overlap: 18
Similarity score: 0.0351741

Alignment:

BDVBCDACGCKCGCGTBHRKHD
-WSACSRSGCTGSYSTCSW---

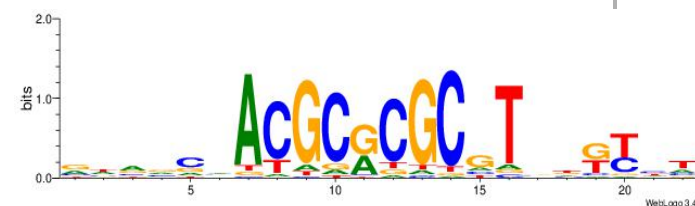
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



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: 3
Number of overlap: 18
Similarity score: 0.0362523

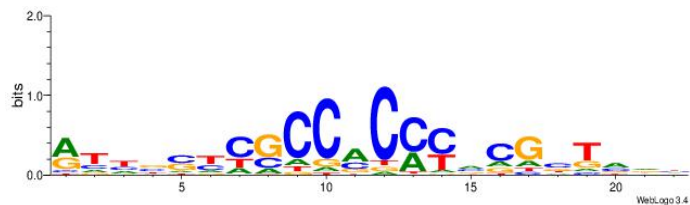
Alignment:

RTHBSYCGCCMCMYVCGBTVDH
--WSGASKSCAGCSMSGTSW--

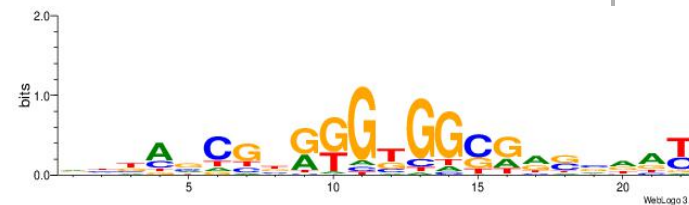
Original motif

Reverse complement motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



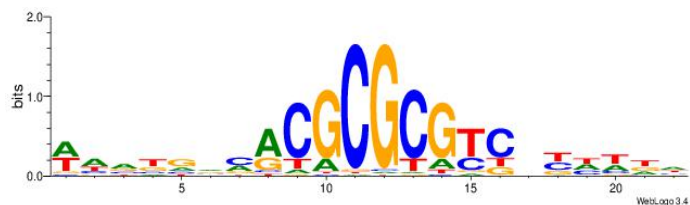
Motif ID: [UP00526](#)
Motif name: Foxn1_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 18
Similarity score: 0.0378518

Alignment:

WHVBVVMACGCGCGTCDYHWDH
--WSACSRSGCTGSYSTCSW--

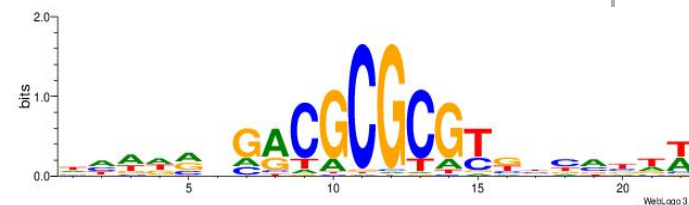
Original motif

Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif

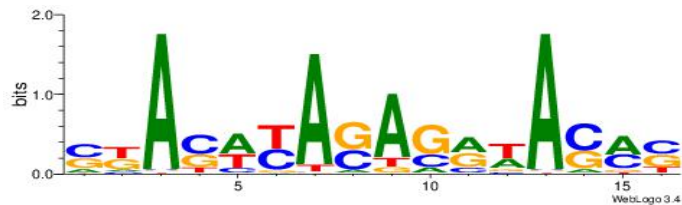
Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



Dataset #: 1 Motif ID: 125 Motif name: C125

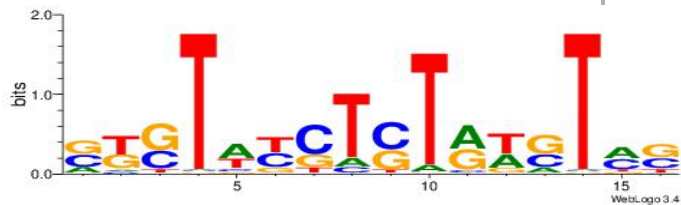
Original motif

Consensus sequence: SKASWYASAGRWASMS



Reverse complement motif

Consensus sequence: SYSTWKCTSTMWSTRS



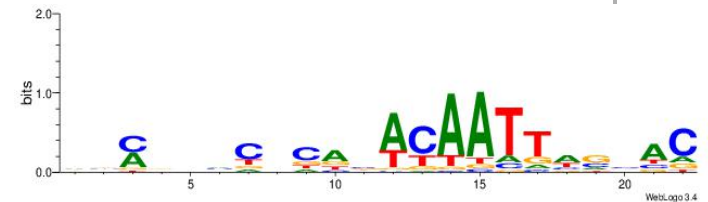
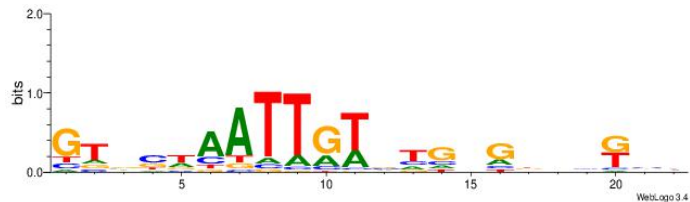
Best Matches for Motif ID 125 (Highest to Lowest)

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:	6
Number of overlap:	16
Similarity score:	0.0304657

Alignment:
GTVBDAATTGTVTGHGDDHKVB
-SYSTWKCTSTMWSTRS-----

Original motif
Consensus sequence: GTVBDAATTGTVTGHGDDHKVB

Reverse complement motif
Consensus sequence: VVYDDDCHCAVACAATTDBVAC

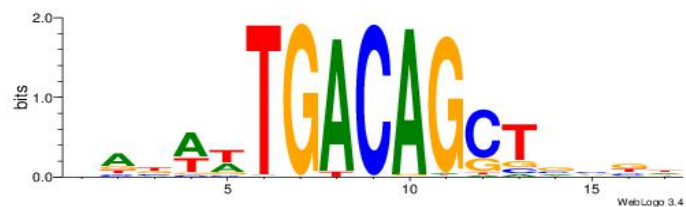


Motif ID: [UP00122](#)
 Motif name: Tgif1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.033763

Alignment:
 DBVVAGCTGTCAWWVTH
 SYSTWKCTSTMWSTRS-

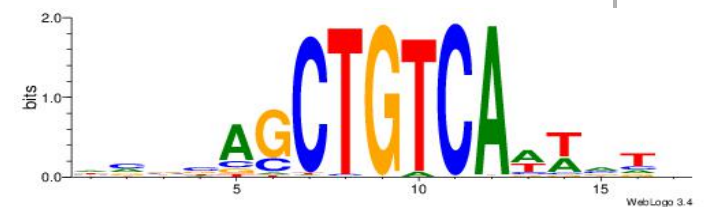
Original motif

Consensus sequence: DABWWTGACAGCTVVBD



Reverse complement motif

Consensus sequence: DBVVAGCTGTCAWWVTH



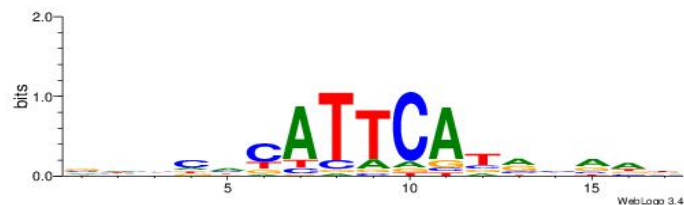
Motif ID: [UP00014](#)

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: 1
 Number of overlap: 16
 Similarity score: 0.0342041

Alignment:
 VHBHHCATTCATRHVDD
 SKASWYASAGRWASMS-

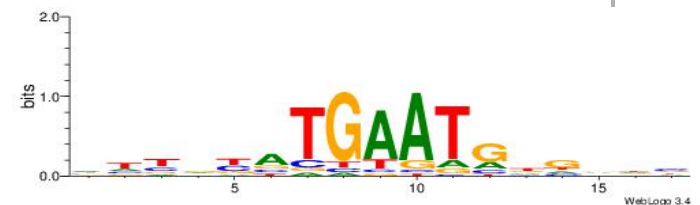
Original motif

Consensus sequence: VHBHHCATTCATRHVDD



Reverse complement motif

Consensus sequence: DDBDKATGAATGHDBHV



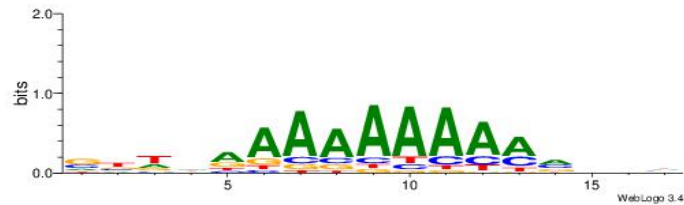
Motif ID: [UP00077](#)
 Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0346406

Alignment:

VBDDAAAAAAAAAMVBHH
SKASWYASAGRWASMS-

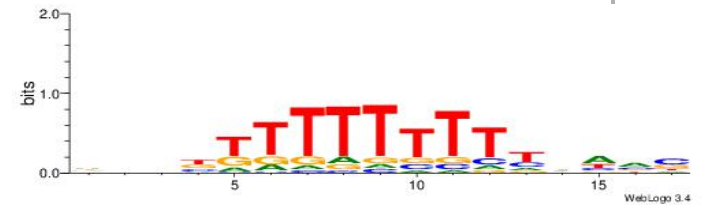
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDV



Motif ID:	UP00084
Motif name:	Gmeb1_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	16
Similarity score:	0.0359108

Alignment:

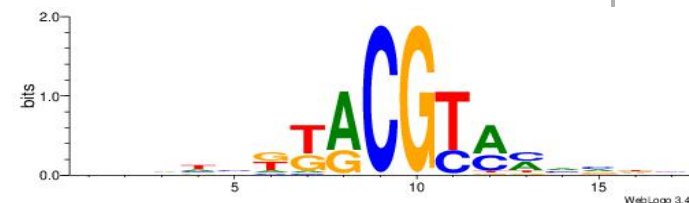
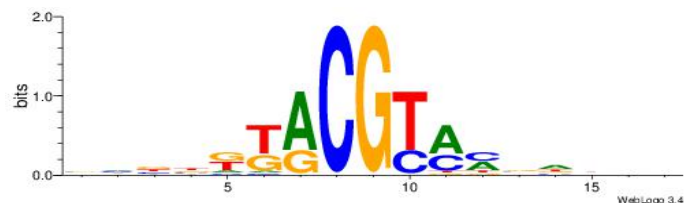
BHBBKKACGTMMVDBVB
-SKASWYASAGRWASMS

Original motif

Consensus sequence: BHBBKKACGTMMVDBVB

Reverse complement motif

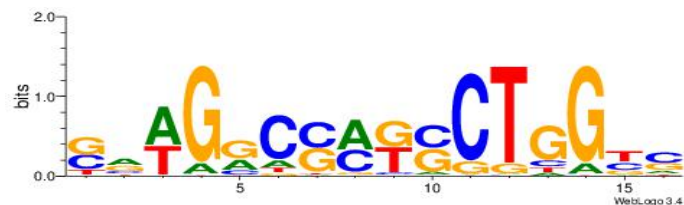
Consensus sequence: BVVDVRYACGTRYVBHB



Dataset #: 1 Motif ID: 126 Motif name: C126

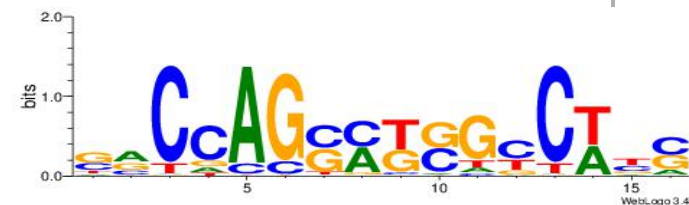
Original motif

Consensus sequence: SVWGRCMKSTGGYS



Reverse complement motif

Consensus sequence: SMCCAGSYYSGMCWBS



Best Matches for Motif ID 126 (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:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	16
Similarity score:	0.0246313

Alignment:

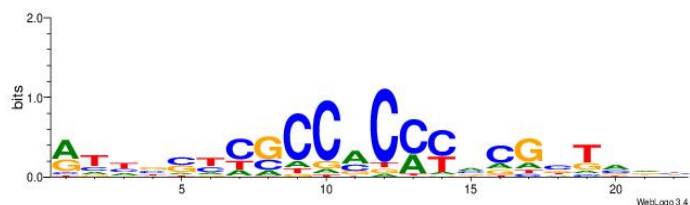
```

RTHBSYCGCCMCMYVCGBTVDH
SVWGRCSMKSTGGYS-----

```

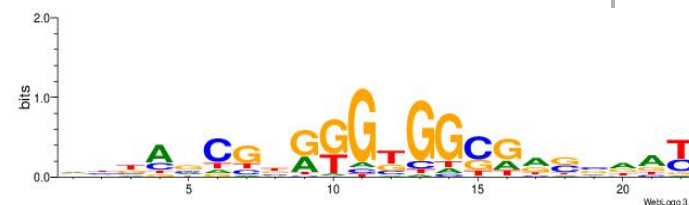
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



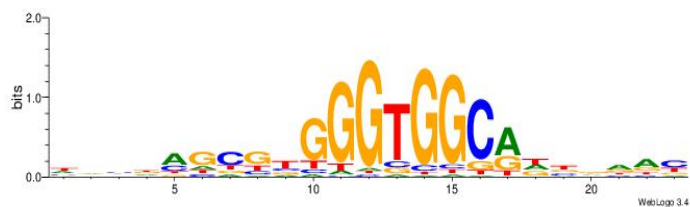
Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 16
Similarity score: 0.0257483

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
-----SMCCAGSYYSGMCWBS-

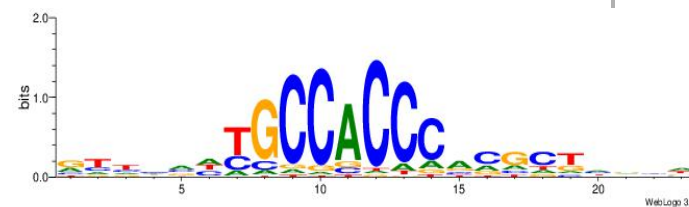
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



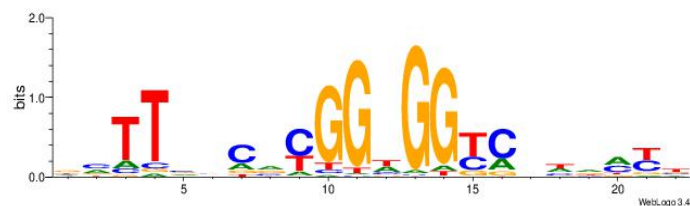
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 16
 Similarity score: 0.0279168

Alignment:

VMYDHDGMCCCHCKBGVVAHVH
 --SVWGRCSMKSTGGYS-----

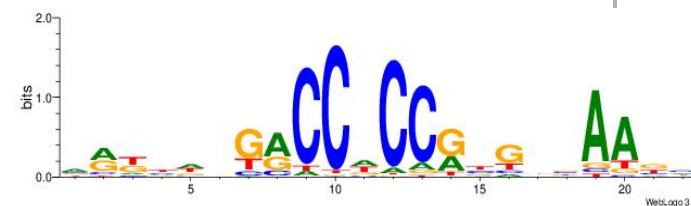
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH



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

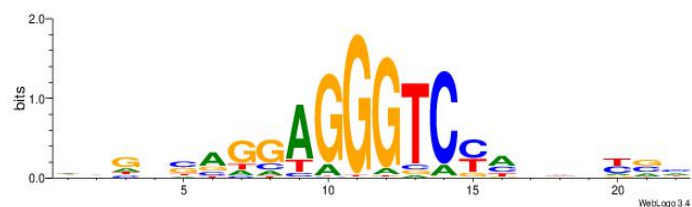
Position number: 6
Number of overlap: 16
Similarity score: 0.0307173

Alignment:

DVMHHDHKGACCCTCCTSVCBH
-----SVWGRCSMKSCTGGYS-

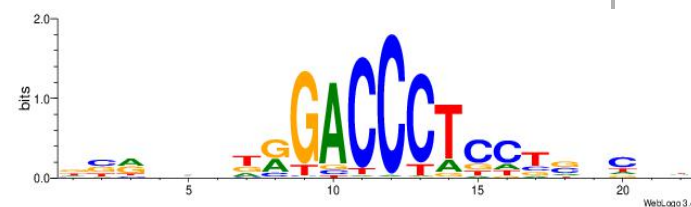
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH



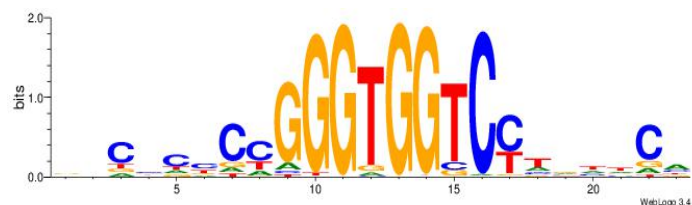
Motif ID: [UP00538](#)
Motif name: Gli1_v016060_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 16
Similarity score: 0.0329173

Alignment:

HGDHVVHKGACCACCCGGBGBGDB
-----SVWGRCSMKSCTGGYS---

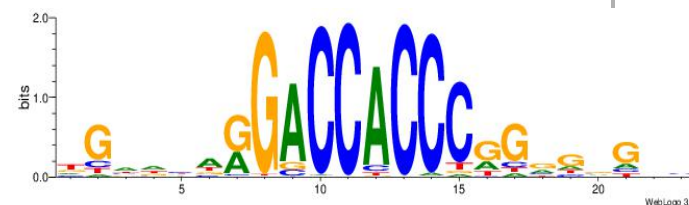
Original motif

Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif

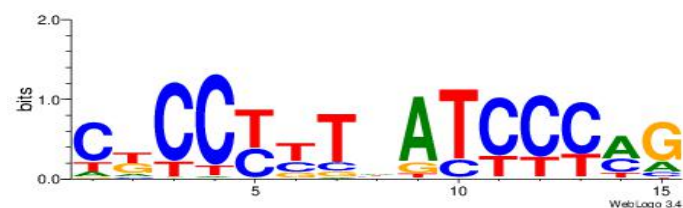
Consensus sequence: HGDHVHKGACCAACCCGGBGBGDB



Dataset #: 1 Motif ID: 127 Motif name: C127

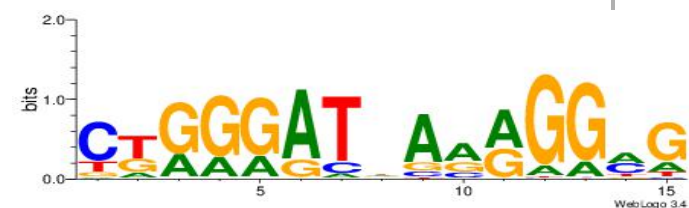
Original motif

Consensus sequence: CKCCYYTHATCCCMG



Reverse complement motif

Consensus sequence: CYGGGATHAMMGGRG



Best Matches for Motif ID 127 (Highest to Lowest)

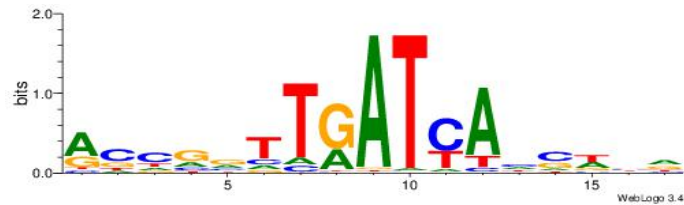
Motif ID:	UP00219
Motif name:	Cutl1_3494.1
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	15
Similarity score:	0.0320609

Alignment:

DBWSDTKATCAAVCGGT
--CYGGGATHAMMGGRG

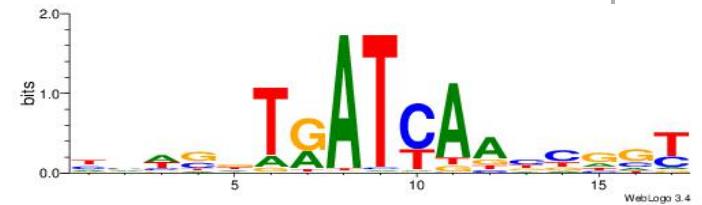
Original motif

Consensus sequence: ACCGVTTGATYAHSWBD



Reverse complement motif

Consensus sequence: DBWSDTKATCAAVCGGT



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:	1
Number of overlap:	15
Similarity score:	0.0338391

Alignment:

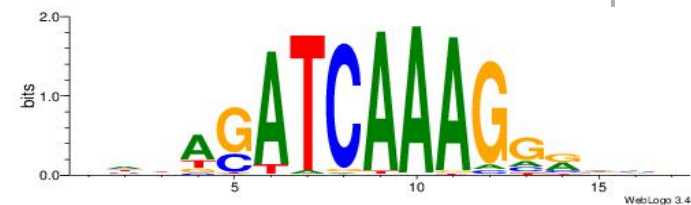
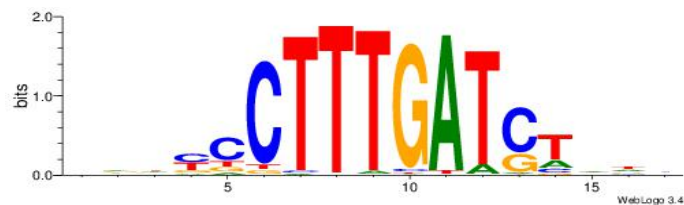
VDDAGATCAAAGGKDDD
CYGGGATHAMMGGRG--

Original motif

Consensus sequence: DDDYCCTTTGATCTDDV

Reverse complement motif

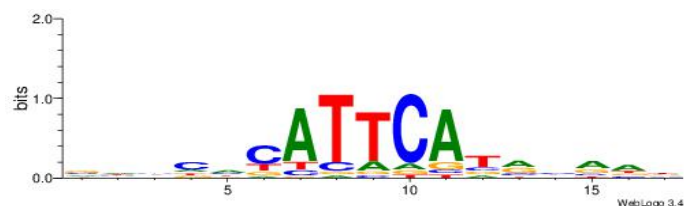
Consensus sequence: VDDAGATCAAAGGKDDD



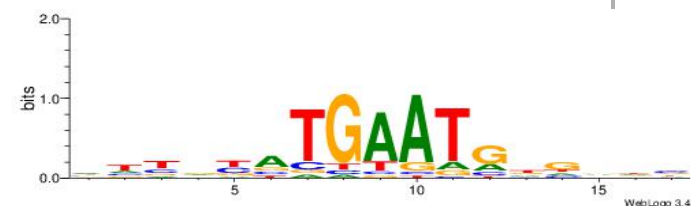
Motif ID: [UP00014](#)
 Motif name: Sox17_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 15
 Similarity score: 0.0345074

Alignment:
 DDBDKATGAATGHDBHV
 CYGGGATHAMMGGRG--

Original motif
 Consensus sequence: VHBHHCATTCATRHVDD



Reverse complement motif
 Consensus sequence: DDBDKATGAATGHDBHV



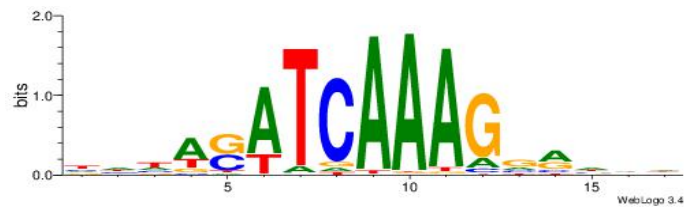
Motif ID: [UP00058](#)

Motif name: Tcf3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 15
Similarity score: 0.0345461

Alignment:
HHHKVCTTTGATSTHHH
CYGGGATHAMMGGRG--

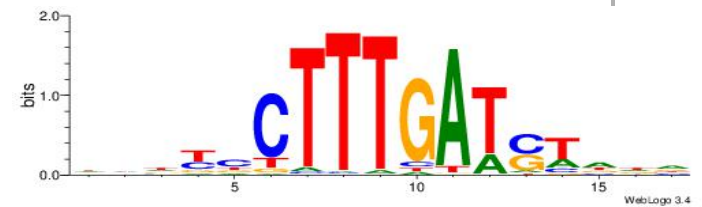
Original motif

Consensus sequence: HHHASATCAAAGVRHHH



Reverse complement motif

Consensus sequence: HHHKVCTTTGATSTHHH



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: 15
Similarity score: 0.0348977

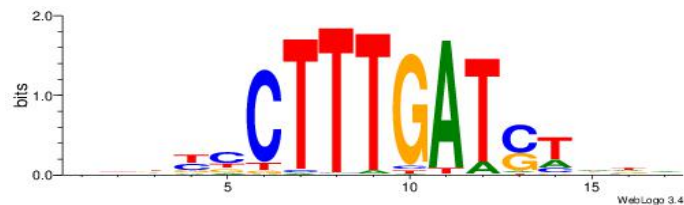
Alignment:

BDDASATCAAAGGMDDD

CYGGGATHAMMGGRG--

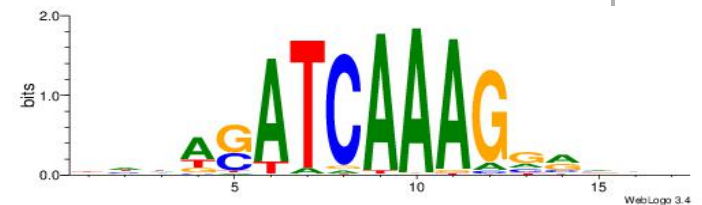
Original motif

Consensus sequence: DDDYCCTTTGATSTDDV



Reverse complement motif

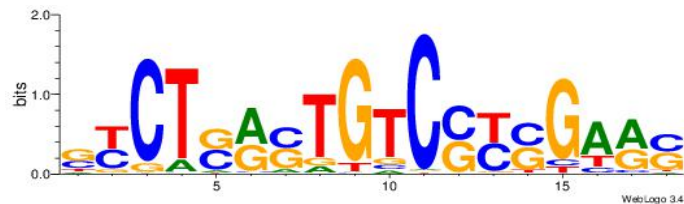
Consensus sequence: BDDASATCAAAGGMDDD



Dataset #: 1 Motif ID: 128 Motif name: C128

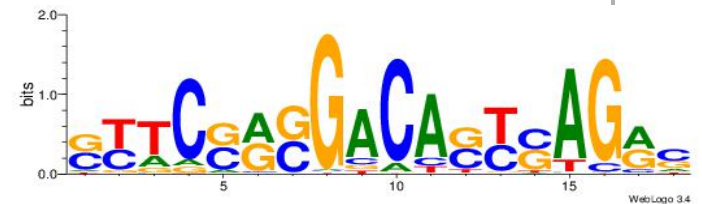
Original motif

Consensus sequence: SYCTSRSTGTCSYSGARS



Reverse complement motif

Consensus sequence: SKTCSMSGACASKSAGMS



Best Matches for Motif ID 128 (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:	Original Motif
Direction:	Backward

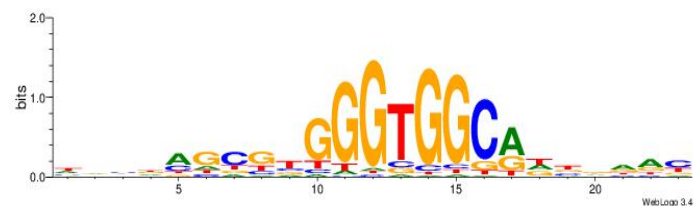
Position number: 1
Number of overlap: 18
Similarity score: 0.0345039

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
-----SYCTSRSTGTCSYSGARS

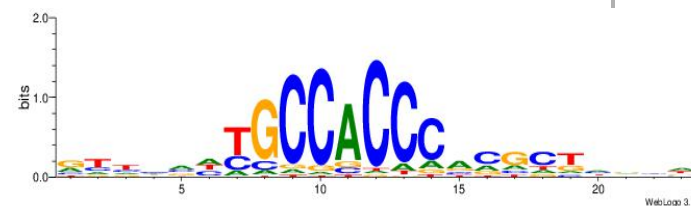
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



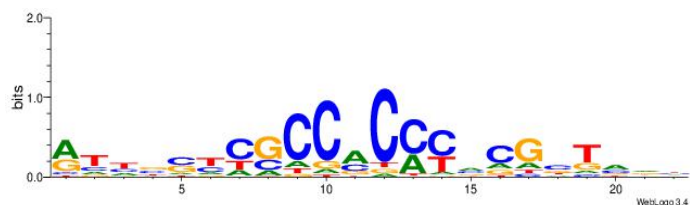
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 18
Similarity score: 0.0355993

Alignment:

HDBABCBKRGYGGCGMSBHAK
-----SYCTSRSTGTCSYSGARS

Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



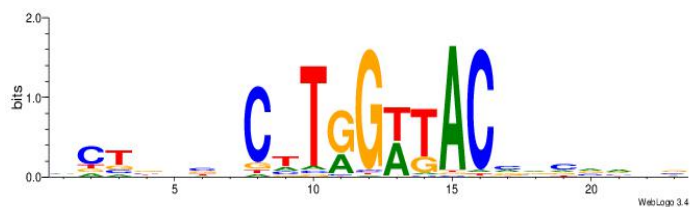
Motif ID: [UP00098](#)
Motif name: Rfx3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 6
Number of overlap: 18
Similarity score: 0.040905

Alignment:

```
VCTBHBVCTTGGWTACVVVVVDB  
-----SYCTSRSTGTCSYSGARS
```

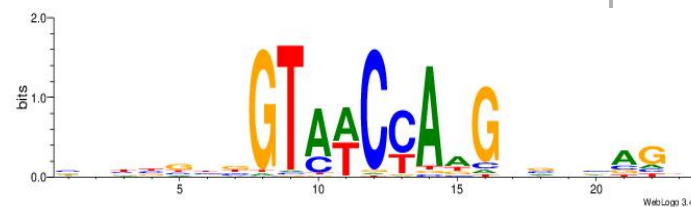
Original motif

Consensus sequence: VCTBHBVCTTGGWTACVVVVVDB



Reverse complement motif

Consensus sequence: BDBBVBVGTAWCCAAGVBHBAGB



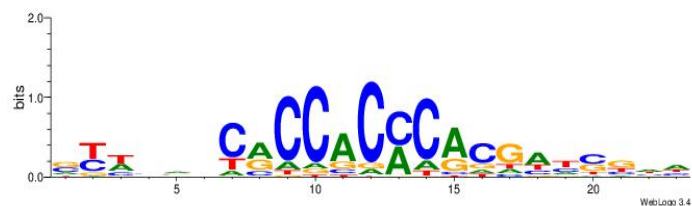
Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 18
 Similarity score: 0.0416039

Alignment:

HHBSHTCGTGRGTGGKGDBVWMV
 -----SYCTSRSTGTCSYSGARS

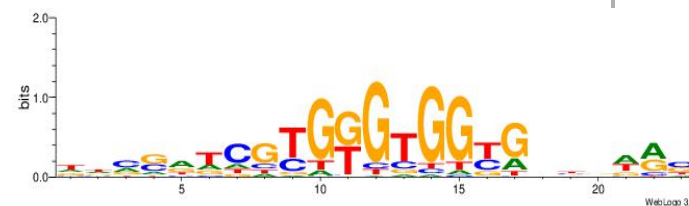
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Motif ID: [UP00527](#)
 Motif name: Foxn4_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward

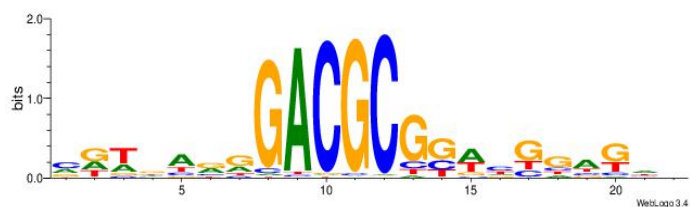
Position number: 1
 Number of overlap: 18
 Similarity score: 0.0436679

Alignment:

VDWDARRGACGCGGWHGGAHV
 SKTCSMSGACASKSAGMS----

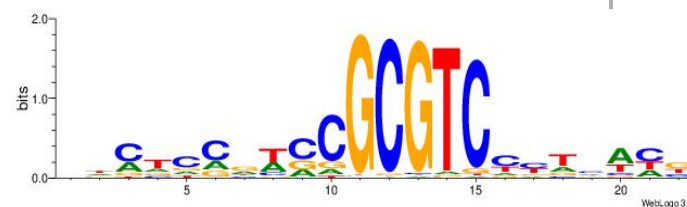
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAHV



Reverse complement motif

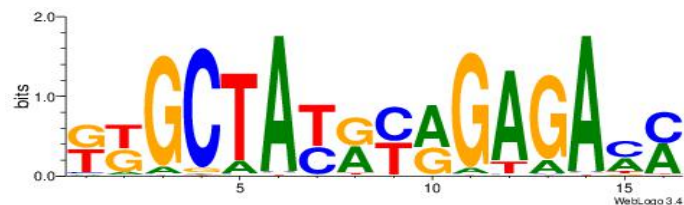
Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Dataset #: 1 Motif ID: 129 Motif name: C129

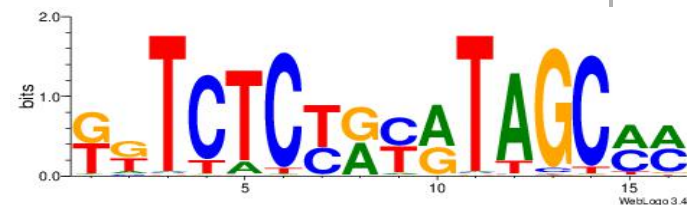
Original motif

Consensus sequence: KKGCTAYRYRGAGAMM



Reverse complement motif

Consensus sequence: RRTCTCKKMMTAGCRY



Best Matches for Motif ID 129 (Highest to Lowest)

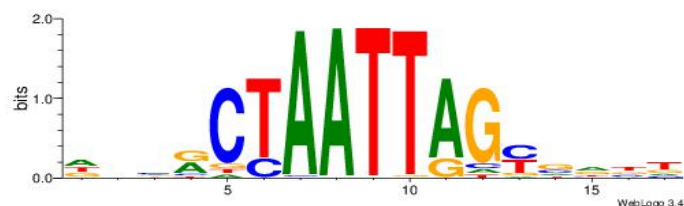
Motif ID: [UP00131](#)
 Motif name: Gbx2

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: 0.0195892

Alignment:
 DVDVKCTAATTAGMVVD
 RRTCTCKMMTAGCRY-

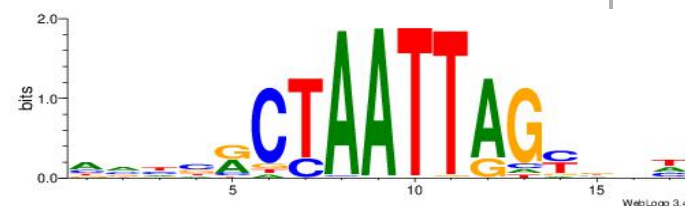
Original motif

Consensus sequence: DVVRCTAATTAGYVDBD



Reverse complement motif

Consensus sequence: DVDVKCTAATTAGMVVD



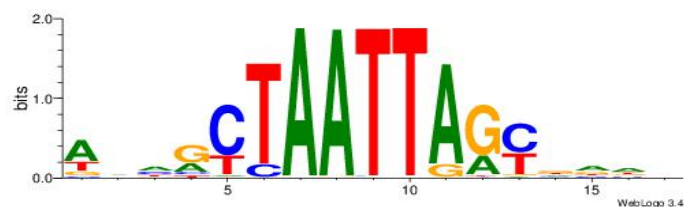
Motif ID: [UP00136](#)
 Motif name: Prrx2
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0328703

Alignment:

DDDHKCTAATTAGCHBT
RRTCTCKKMMTAGCRY-

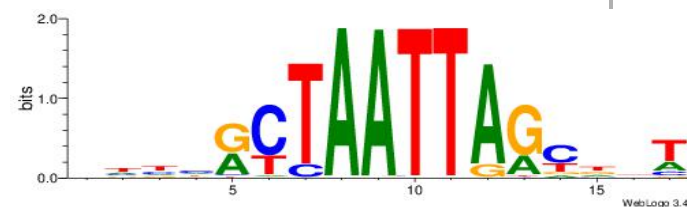
Original motif

Consensus sequence: AVHGCTAATTAGYDDDD



Reverse complement motif

Consensus sequence: DDDHKCTAATTAGCHBT



Motif ID:	UP00132
Motif name:	Evx2
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:	0.0356184

Alignment:

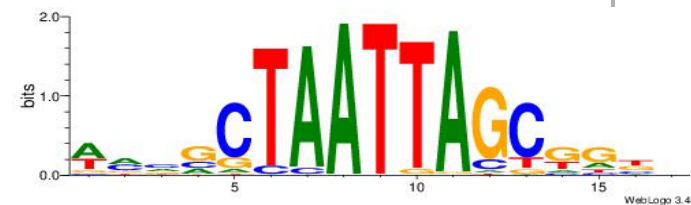
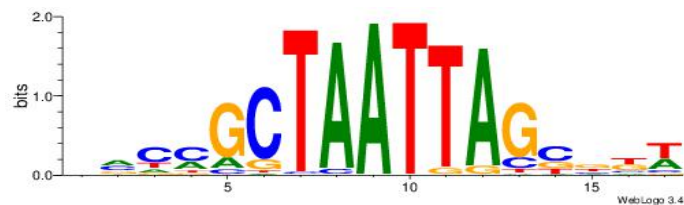
BVCMGCTAATTAGCBKW
RRTCTCKKMMTAGCRY-

Original motif

Consensus sequence: BVCMGCTAATTAGCBKW

Reverse complement motif

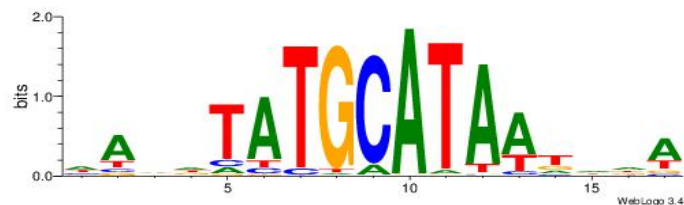
Consensus sequence: WRBGCTAATTAGCRGBB



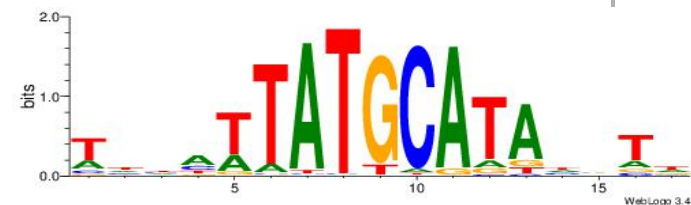
Motif ID: [UP00211](#)
 Motif name: Pou3f3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0360591

Alignment:
 HADDTATGCATAATDDA
 -KKGCTAYRYRGAGAMM

Original motif
 Consensus sequence: HADDTATGCATAATDDA



Reverse complement motif
 Consensus sequence: TDDATTATGCATADDTH



Motif ID: [UP00178](#)
 Motif name: Og2x

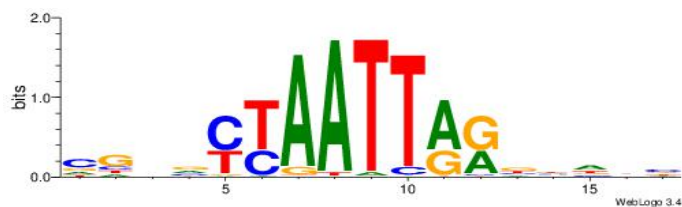
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0365623

Alignment:

BHDHBMKAATTMKVVCG
 RRTCTCKKMMTAGCRY-

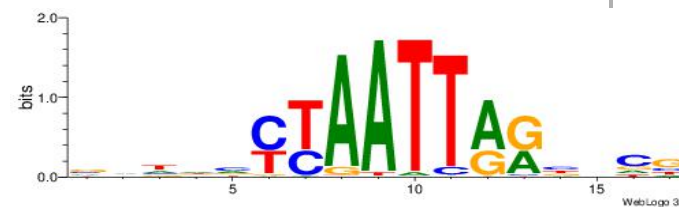
Original motif

Consensus sequence: CGVVYYAATRRBHDHB



Reverse complement motif

Consensus sequence: BHDHBMKAATTMKVVCG



Dataset #: 1 **Motif ID: 130** **Motif name: C130**

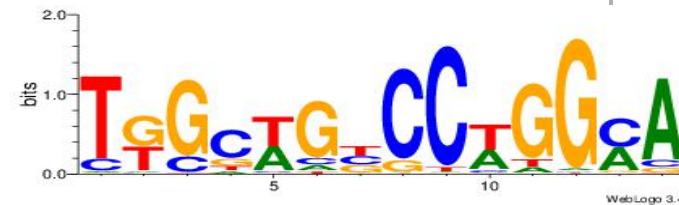
Original motif

Consensus sequence: TKCCWGGVCWGCMA



Reverse complement motif

Consensus sequence: TRGCWGBCCWGGYA



Best Matches for Motif ID 130 (Highest to Lowest)

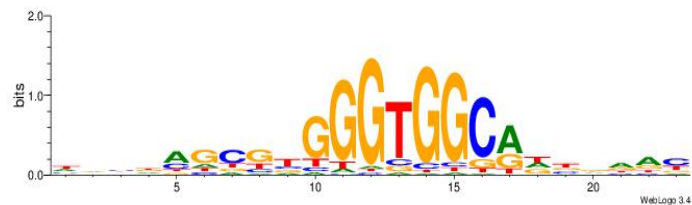
Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 9
Number of overlap: 14
Similarity score: 0.0417596

Alignment:

BDDHVDPGCCACCCVCGCTDBVH
-TKCCWGGVCWGCM-----

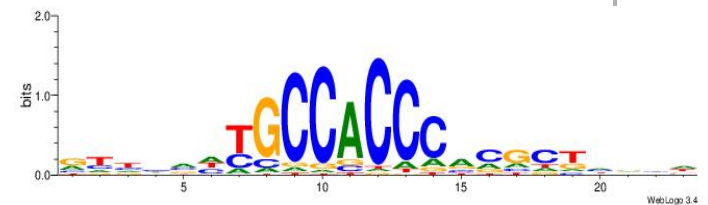
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDPGCCACCCVCGCTDBVH

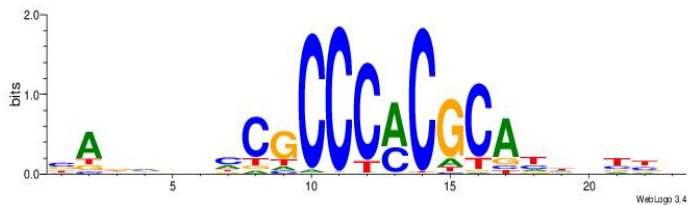


Motif ID: [UP00400](#)
Motif name: Zif268
Species: Mus musculus
Matching format of first motif: Original Motif

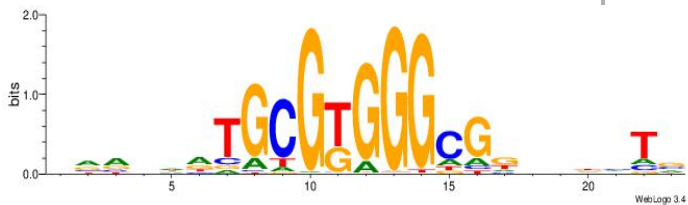
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 14
Similarity score: 0.0438533

Alignment:
VVVDHHTGCGYGGGCGDHSVHHTB
-----TKCCWGGVCWGCMA----

Original motif
Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif
Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB

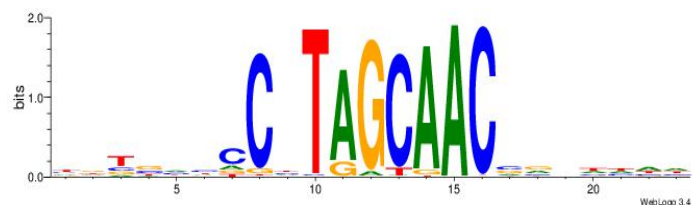


Motif ID: [UP00098](#)
Motif name: Rfx3_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0449212

Alignment:
HHHHDVVGTTCCTAHGGDHBAAH
TRGCWGBCCWGGYA-----

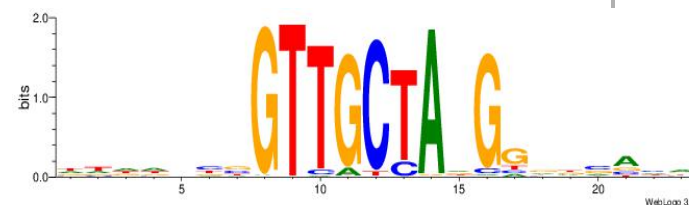
Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDH HHH



Reverse complement motif

Consensus sequence: HHHHDVVGTTGCTAHGGDHBAHH



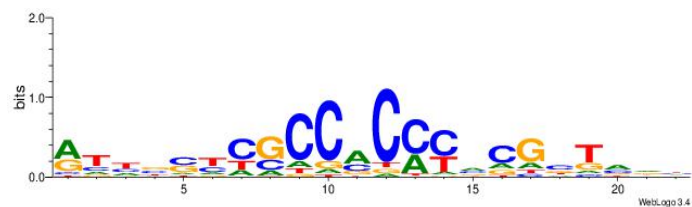
Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0463369

Alignment:

```
HDBABCGBKRGYGGCGMSBHAK
-----TKCCWGGVCWGCMA--
```

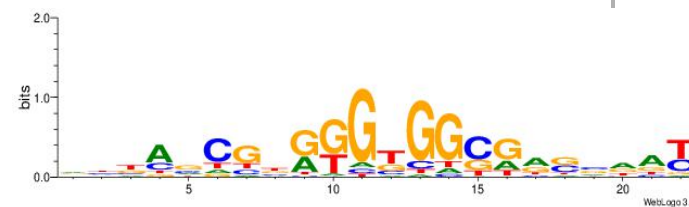
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



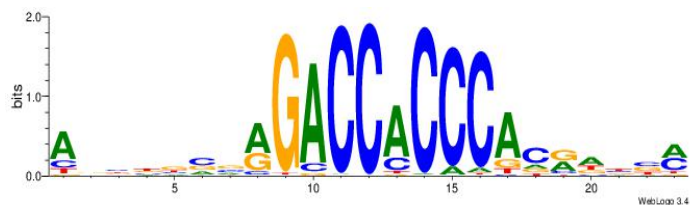
Motif ID: [UP00540](#)
 Motif name: Gli3_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 14
 Similarity score: 0.0472891

Alignment:

YBVDMGTTGGGTGGTCKVVBVBBT
 -----TRGCWGBCCWGGYA----

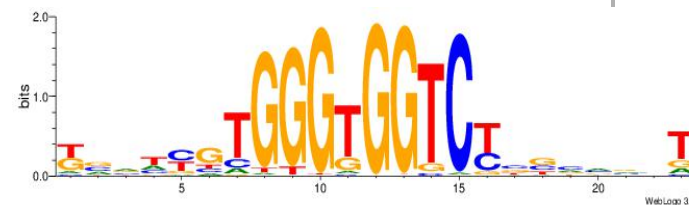
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMGTTGGGTGGTCKVVBVBBT



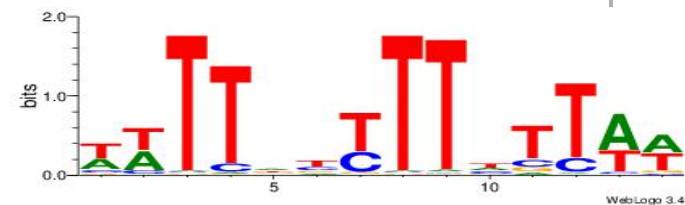
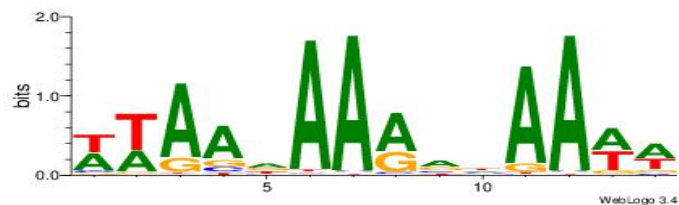
Dataset #: 1 Motif ID: 131 Motif name: C131

Original motif

Consensus sequence: WWAADAARVHAAWW

Reverse complement motif

Consensus sequence: WWTTHBKTTDTTWW



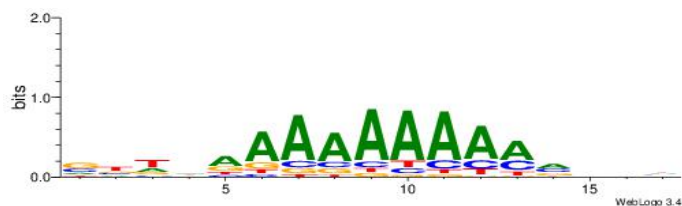
Best Matches for Motif ID 131 (Highest to Lowest)

Motif ID: [UP00077](#)
 Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0256716

Alignment:
 VBDDAAAAAAAAAMVBHH
 --WWAADAARVHAAWW--

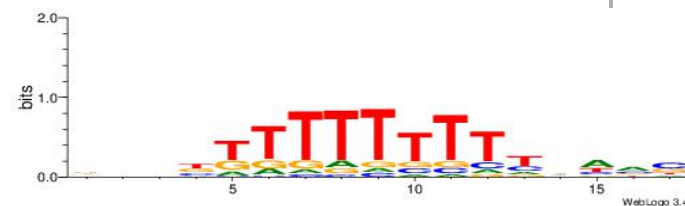
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDV



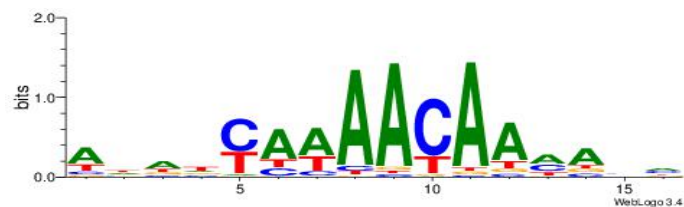
Motif ID: [UP00061](#)
 Motif name: Foxl1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0279274

Alignment:

HDTYTTGTTWTKDDDT
 WWTTHBKTTDTTW--

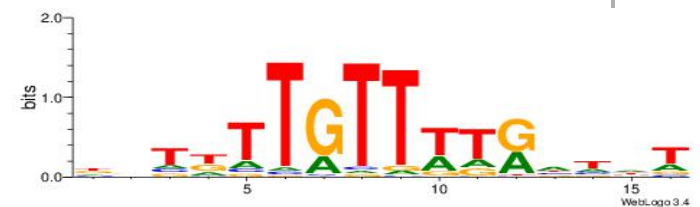
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



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

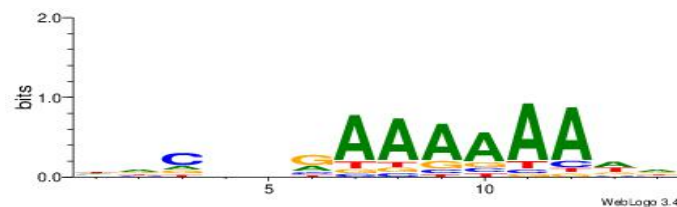
Number of overlap: 14
Similarity score: 0.0294273

Alignment:

HDCDBRAAAAAADD
WWAADAARVHAAWW

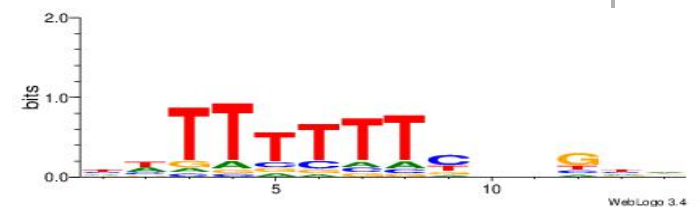
Original motif

Consensus sequence: HDCDBRAAAAAADD



Reverse complement motif

Consensus sequence: DDTTTTTTMBDGDH



Motif ID: [UP00014](#)
Motif name: Sox17_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0331143

Alignment:

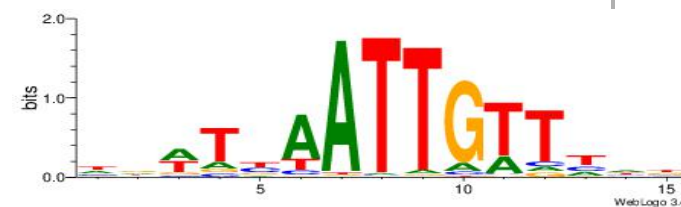
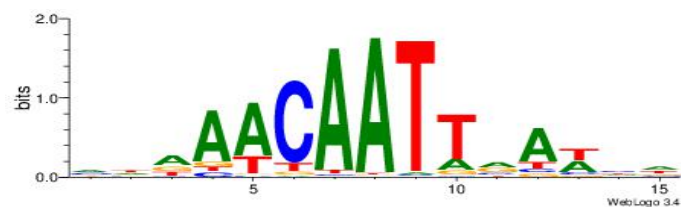
DDWTBAATTGTTDDB
WTTTBKTTDTTWW-

Original motif

Consensus sequence: VDDAACAATTVAWHD

Reverse complement motif

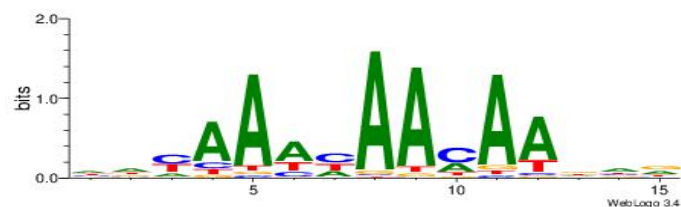
Consensus sequence: DDWTBAATTGTTDDB



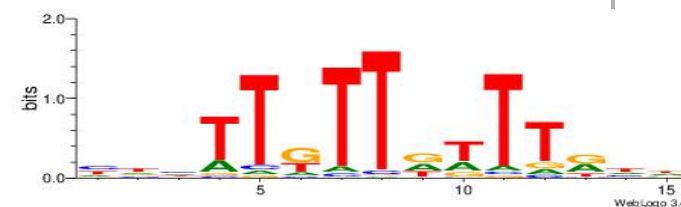
Motif ID: [UP00037](#)
 Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0331856

Alignment:
 HHHTTRTTDTTTKDH
 -WTTTHBKTTDTTWW

Original motif
 Consensus sequence: HDYAAHAAMAADHD



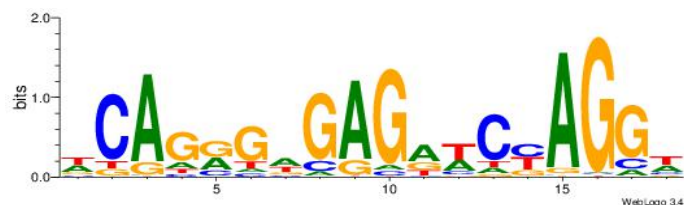
Reverse complement motif
 Consensus sequence: HHHTTRTTDTTTKDH



Dataset #: 1 Motif ID: 132 Motif name: C132

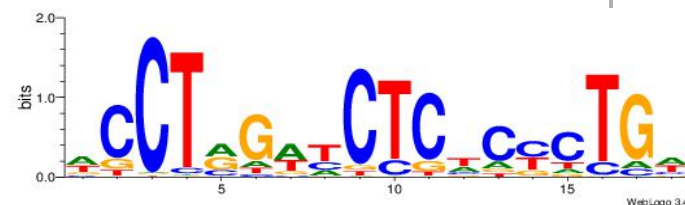
Original motif

Consensus sequence: WCAGRGWGAGAWCYAGGW



Reverse complement motif

Consensus sequence: WCCTKGWTCTCWCMTGTW



Best Matches for Motif ID 132 (Highest to Lowest)

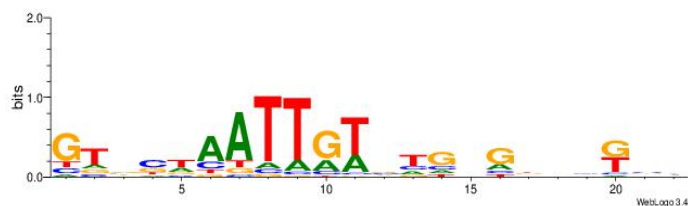
Motif ID:	UP00034
Motif name:	Sox7_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	18
Similarity score:	0.0464813

Alignment:

```
VVYDDDCHCAVACAATTDBVAC
WCCTKGWTCTCWCMTGTW----
```

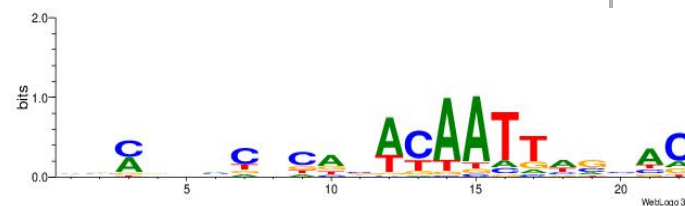
Original motif

Consensus sequence: GTVBDAATTGTVTGHGDDHKVB



Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



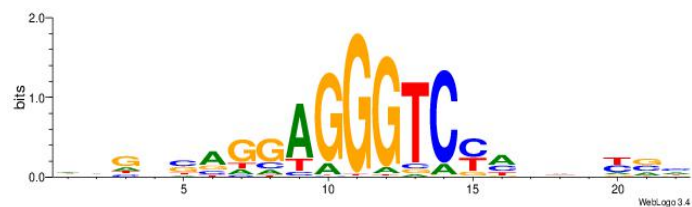
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 18
 Similarity score: 0.0491336

Alignment:

HVGVSAGGAGGGTCYHHHHYVH
 -WCAGRGWGAGAWCYAGGW---

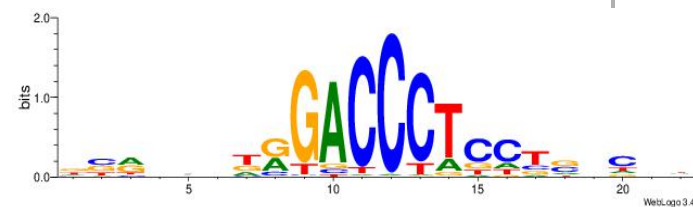
Original motif

Consensus sequence: HVGVSAGGAGGGTCYHHHHYVH



Reverse complement motif

Consensus sequence: DVMHHDHKGACCCTCCTSVCBH

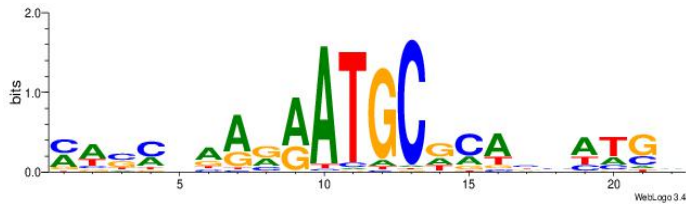


Motif ID: [UP00528](#)
 Motif name: Foxm1_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1

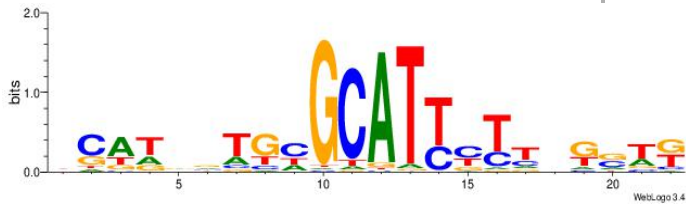
Number of overlap: 18
Similarity score: 0.0511816

Alignment:
DCATDBTGHGCATKMTTBRSWR
WCCTKGWTCTCWCMTGW----

Original motif
Consensus sequence: MWSMBAARRATGCD CABHATGD



Reverse complement motif
Consensus sequence: DCATDBTGHGCATKMTTBRSWR



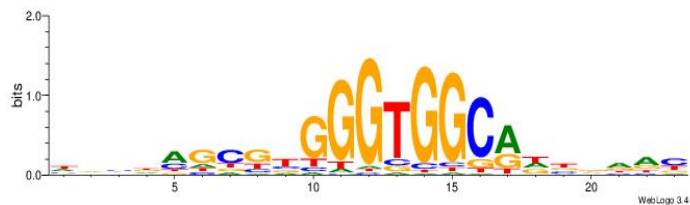
Motif ID: [UP00538](#)
Motif name: Gli1_v016060_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 18
Similarity score: 0.0524801

Alignment:
HVBDAGCGBGGGTGGCRDBDDDB
--WCAGRGWGAGAWCYAGGW---

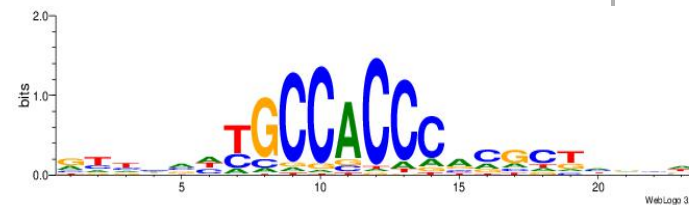
Original motif

Reverse complement motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



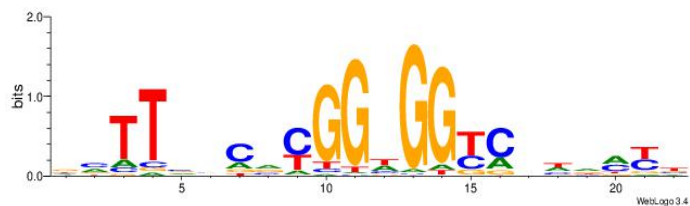
Motif ID: [UP00540](#)
Motif name: Gli3_v015681_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 18
Similarity score: 0.0525963

Alignment:

DVTTVVCVYGGHGGYCHHDMYB
---WCAGRGWGAGAWCYAGGW-

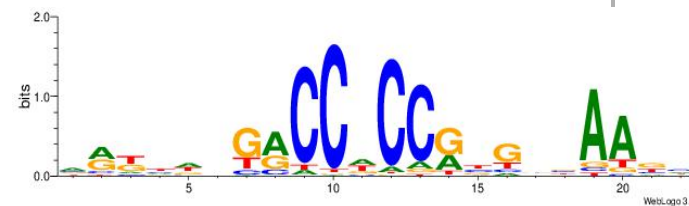
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

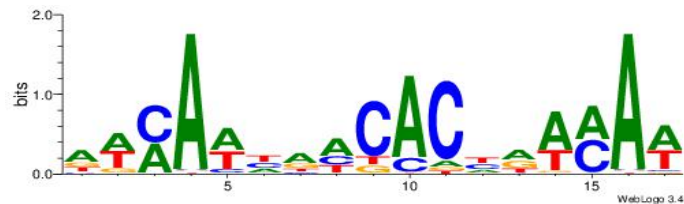
Consensus sequence: VMYDHDGMCCCHCKBGVVAHVH



Dataset #: 1 Motif ID: 133 Motif name: C133

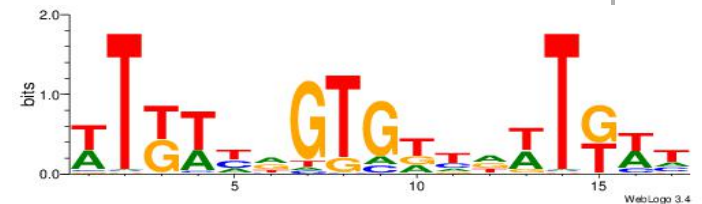
Original motif

Consensus sequence: AWMAWHDACACHRWMAW



Reverse complement motif

Consensus sequence: WTYWKHGTGTDHWTRWT



Best Matches for Motif ID 133 (Highest to Lowest)

Motif ID:	UP00540
Motif name:	Gli3_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	17
Similarity score:	0.039607

Alignment:

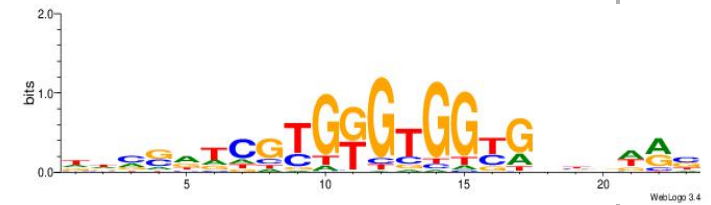
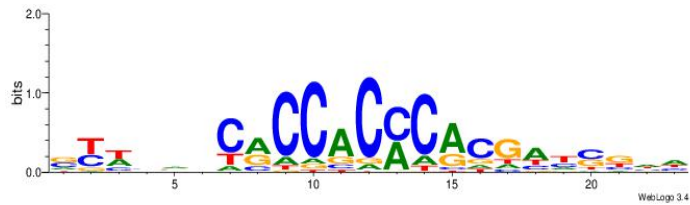
```
VYWVVHCRCCACMCACGAHSBHH
-AWMAWHDACACHRWMAW-----
```

Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

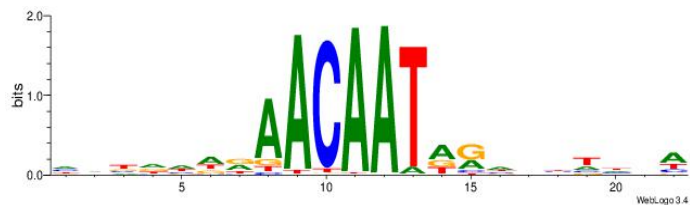


Motif ID:	UP00034
Motif name:	Sox7_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	17
Similarity score:	0.0412538

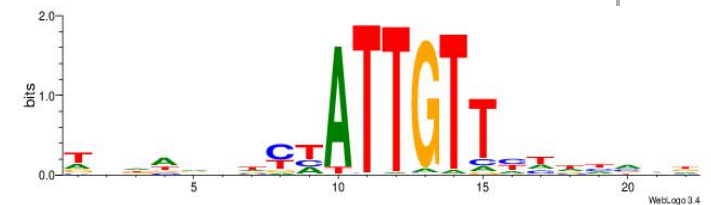
Alignment:

```
WBHHHHHMDATTGTTHDHDVHH
----WTYWKHGTGTDHWTRWT-
```

Original motif
Consensus sequence: HHBDHDDAACAATDRHHHHHBW



Reverse complement motif
Consensus sequence: WBHHHHMDATTGTTTHDHDVHH



Motif ID: [UP00039](#)

Motif name:	Foxj3_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	17
Similarity score:	0.0441279

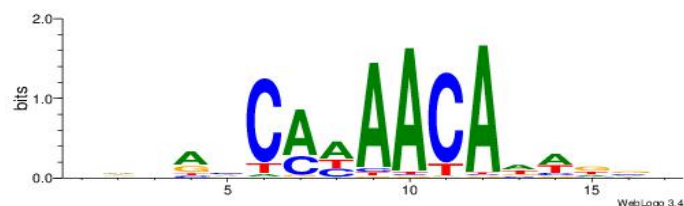
Alignment:

DVHWDTGTTWTGDTBDH

WTYWKHGTGTDHWTRWT

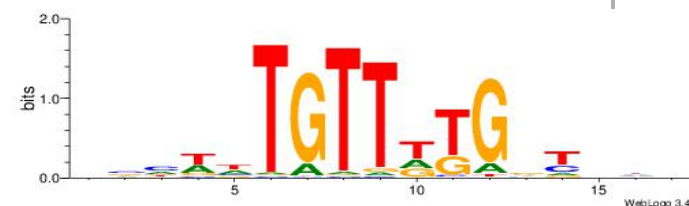
Original motif

Consensus sequence: HDBAHCAWAACADWDVD



Reverse complement motif

Consensus sequence: DVHWDTGTTWTGDTBDH



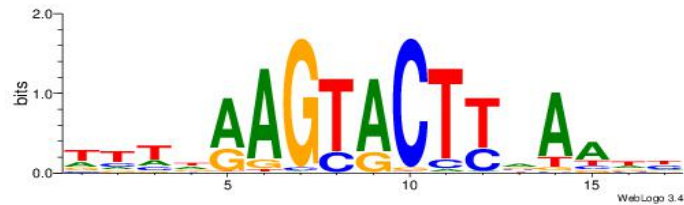
Motif ID:	UP00119
Motif name:	Nkx2-9
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	17
Similarity score:	0.0448373

Alignment:

TTTDAAGTACTTVAADH
WTYWKHGTGTDHWTRWT

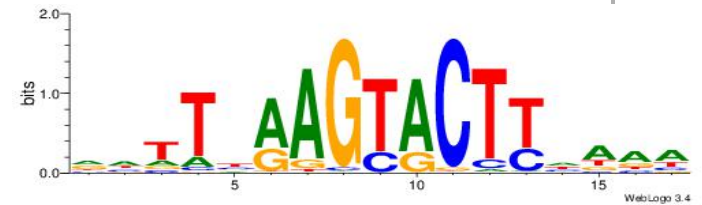
Original motif

Consensus sequence: TTTDAAGTACTTVAADH



Reverse complement motif

Consensus sequence: HDTTBAAGTACTTDAAA



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:	2
Number of overlap:	17
Similarity score:	0.0454758

Alignment:

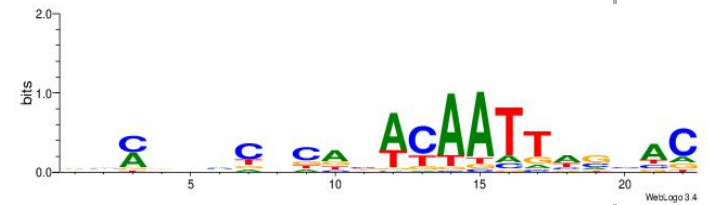
GTVBDAATTGTVTGHGDDHKVB
-WTYWKHGTGTDHWTRWT----

Original motif

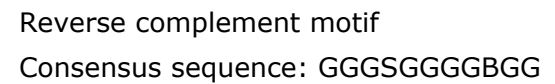
Consensus sequence: GTVBDAATTGTVTGHGDDHKVB

Reverse complement motif

Consensus sequence: VVYDDDCHCAVACAATTDBVAC



Original motif
Consensus sequence: CCBCCCCSCC

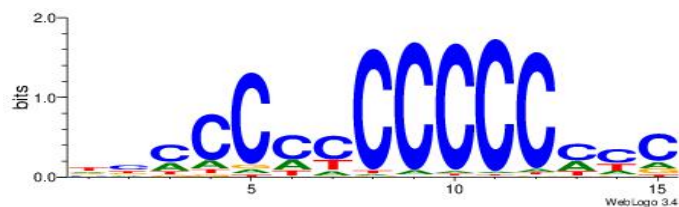


Alignment:

```
GKRGGGGGGGGGGGBD
-----GGGSGGGGBGG
```

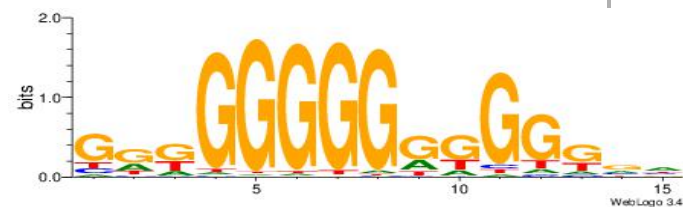
Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGGBD



Motif ID: [UP00022](#)
Motif name: Zfp740_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0057444

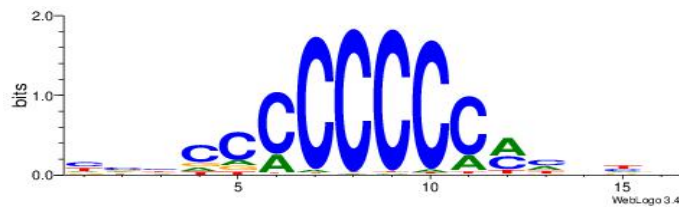
Alignment:

BHHDYGGGGGGGGGBVD

-----GGGSGGGGBGG

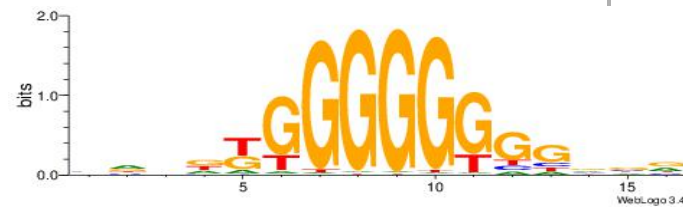
Original motif

Consensus sequence: HVBCCCCCCCCMHHHB



Reverse complement motif

Consensus sequence: BHHDYGGGGGGGGGBVD



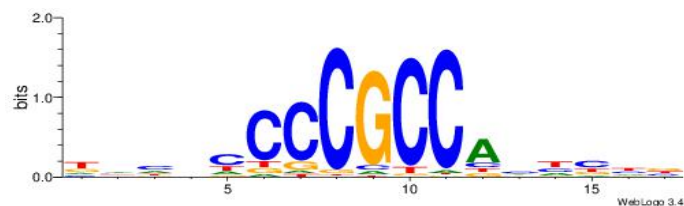
Motif ID: [UP00000](#)
Motif name: Smad3_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 11
Similarity score: 0.0142081

Alignment:

DHHBCCCCGCCAHHBHB
-CCBCCCCSCCC-----

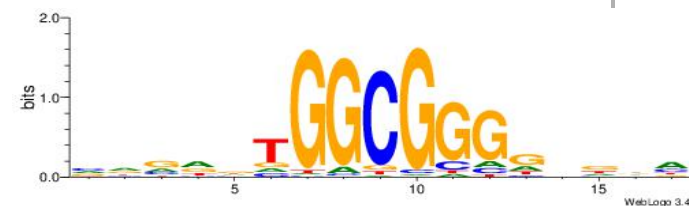
Original motif

Consensus sequence: DHHBCCCCGCCAHHBHB



Reverse complement motif

Consensus sequence: BHBHDTGGCGGGGBDHD



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: 1

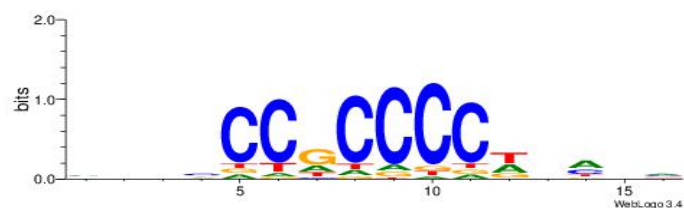
Number of overlap: 11
Similarity score: 0.0188242

Alignment:

HBBBCCGCCCCWHHHV
CCBCCCCSCCC-----

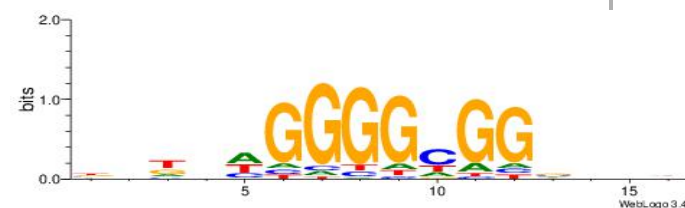
Original motif

Consensus sequence: HBBBCCGCCCCWHHHV



Reverse complement motif

Consensus sequence: BHHHWGGGGCGGBBVH



Motif ID: [UP00033](#)
Motif name: Zfp410_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0189121

Alignment:

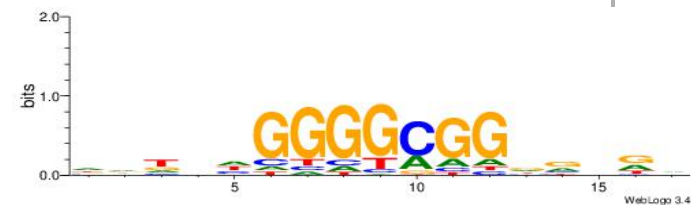
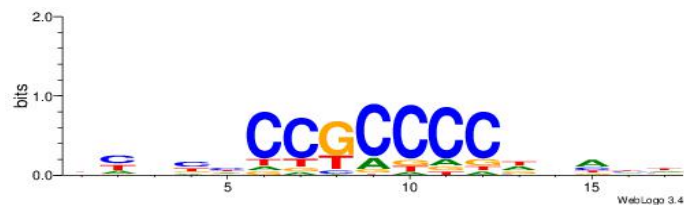
HHHHDGGGGCGGDBHDV
-----GGGSGGGGBGG

Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH

Reverse complement motif

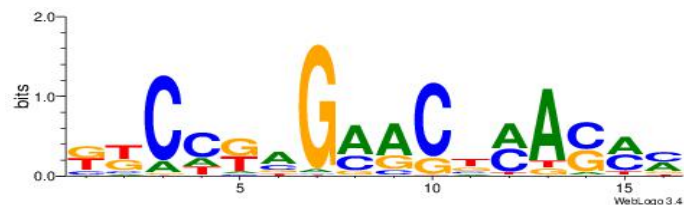
Consensus sequence: HHHHDGGGGCGGDBHDV



Dataset #: 1 Motif ID: 135 Motif name: C135

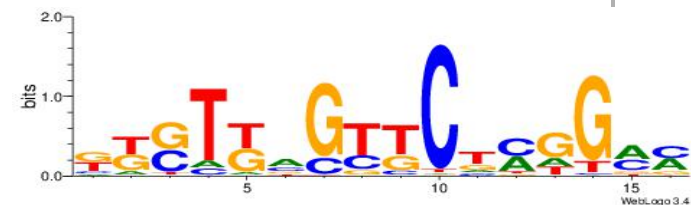
Original motif

Consensus sequence: KKCCKAGMACBMASMM



Reverse complement motif

Consensus sequence: RYSTYVGTYCTYGGRY



Best Matches for Motif ID 135 (Highest to Lowest)

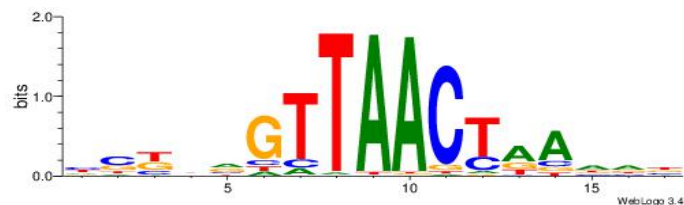
Motif ID:	UP00390
Motif name:	Tcf1
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	16
Similarity score:	0.0428575

Alignment:

VDDTTAGTTAACBVRSD
RYSTYVGTYCTYGGRY-

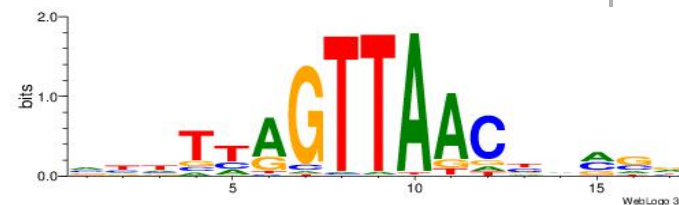
Original motif

Consensus sequence: HSKBVGTTAACTAADDDB



Reverse complement motif

Consensus sequence: VDDTTAGTTAACBVRSD



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:	2
Number of overlap:	16
Similarity score:	0.0437525

Alignment:

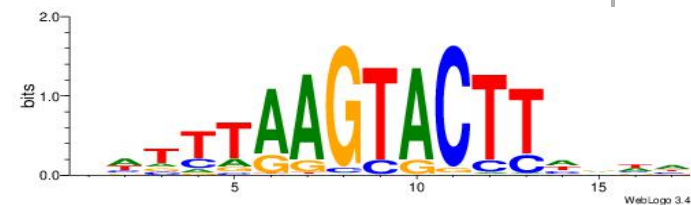
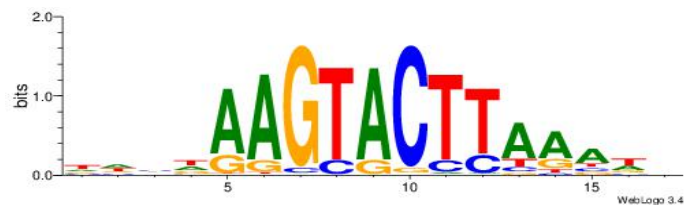
BDTTTAAGTACTTDDDD
-RYSTYVGTYCTYGGRY

Original motif

Consensus sequence: DDHDAAGTACTTAAADB

Reverse complement motif

Consensus sequence: BDTTTAAGTACTTDDDD

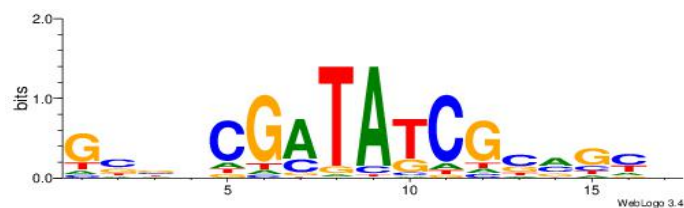


Motif ID: [UP00100](#)
 Motif name: Gata6_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0456644

Alignment:
 GBBVCGATATCGSVGYD
 -KKCKAGMACBMASMM

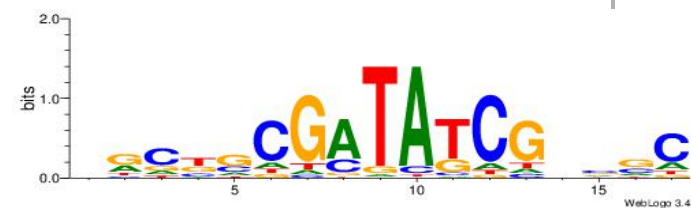
Original motif

Consensus sequence: GBBVCGATATCGSVGYD



Reverse complement motif

Consensus sequence: HKCBSCGATATCGVBBC



Motif ID: [UP00090](#)

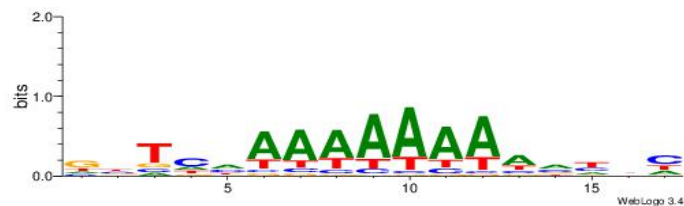
Motif name: Elf3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0458473

Alignment:

DDHBTTTTTTTTHDAVH
 -RYSTYVGTYCTYGGRY

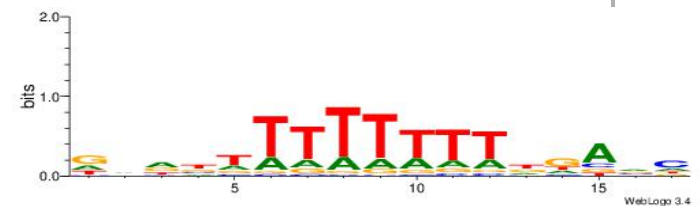
Original motif

Consensus sequence: DBTHHAAAAAAAAAVHHDH



Reverse complement motif

Consensus sequence: DDHBTTTTTTTTHDAVH



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: 2
 Number of overlap: 16

Similarity score: 0.0463964

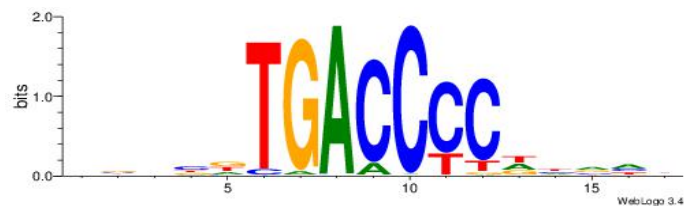
Alignment:

DBHBDTGACCCCDHVHB

KKCKAGMACBMASMM-

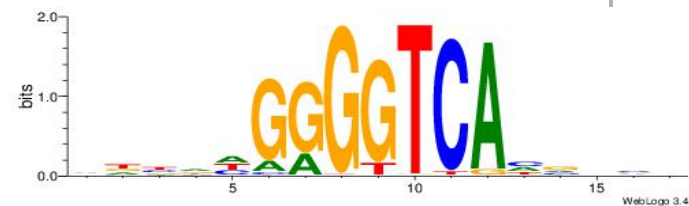
Original motif

Consensus sequence: DBHBDTGACCCCDHVHB



Reverse complement motif

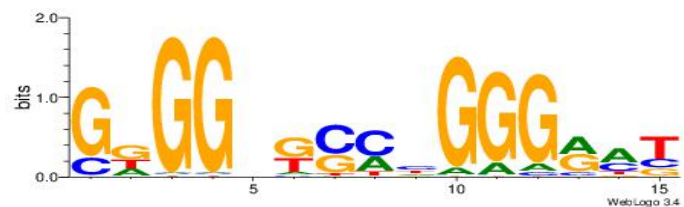
Consensus sequence: VHBHDGGGGTCAHBHD



Dataset #: 1 Motif ID: 136 Motif name: C136

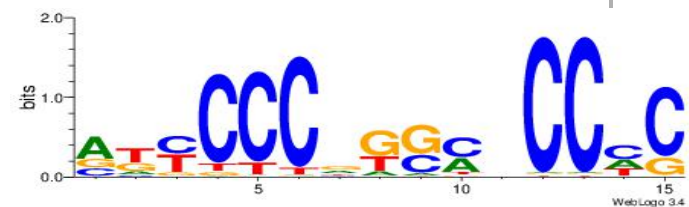
Original motif

Consensus sequence: GDGGVKSMHGGGRMT



Reverse complement motif

Consensus sequence: AYKCCCDRSYVCCHC



Best Matches for Motif ID 136 (Highest to Lowest)

Motif ID: [UP00539](#)
Motif name: Gli2_v016060_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement

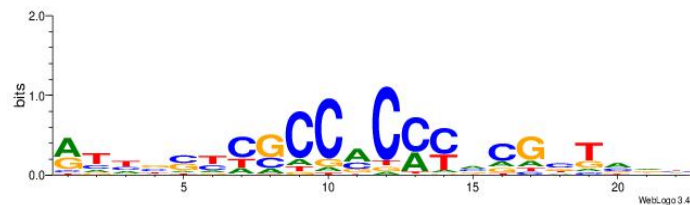
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	8
Number of overlap:	15
Similarity score:	0.0296869

Alignment:

```
RTHBSYCGCCMCMYVCGBTVDH
AYKCCCDRSYVCCHC-----
```

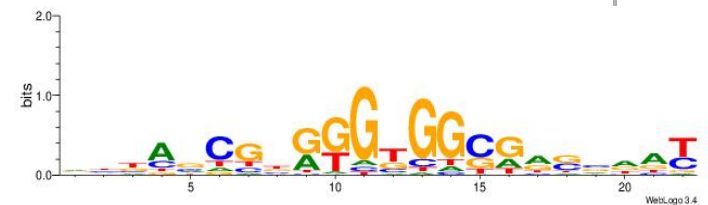
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



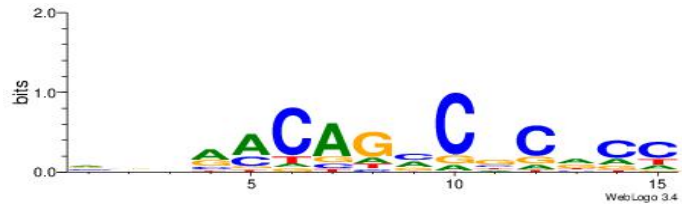
Motif ID:	UP00036
Motif name:	Myf6_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	15
Similarity score:	0.0329478

Alignment:

```
VVVRACAGVCBCDCC
GDGGVKSMHGGGRMT
```

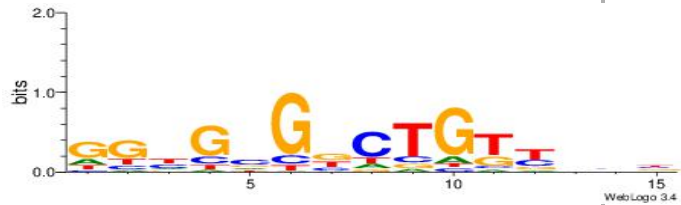
Original motif

Consensus sequence: VVVRACAGVCBCDCC



Reverse complement motif

Consensus sequence: GGDGBGVCTGTKVVB

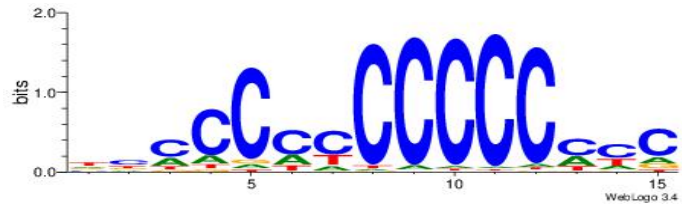


Motif ID: [UP00021](#)
Motif name: Zfp281_primary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 15
Similarity score: 0.0360132

Alignment:
GKRGGGGGGGGGGBD
GDGGVKSMHGGGRMT

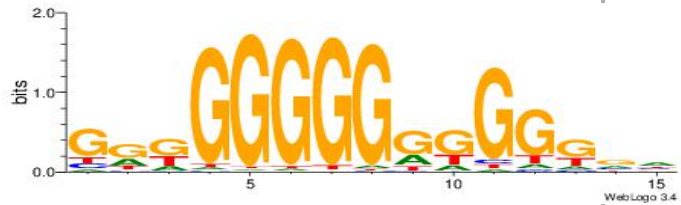
Original motif

Consensus sequence: DBCCCCCCCCCMYC



Reverse complement motif

Consensus sequence: GKRGGGGGGGGGGBD



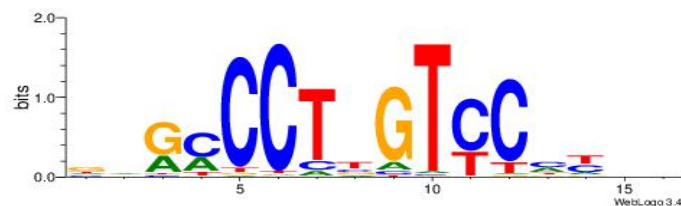
Motif ID: [UP00082](#)
Motif name: Zfp187_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 15
Similarity score: 0.0383817

Alignment:

DDGMCCTBGTCCHYHV
AYKCCCDRSYVCCHC-

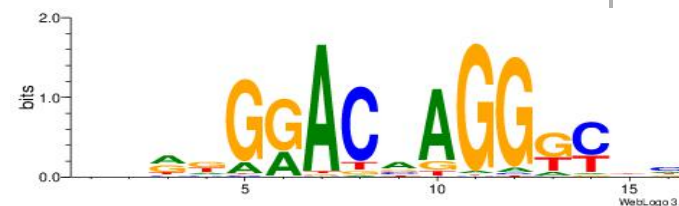
Original motif

Consensus sequence: DDGMCCTBGTCCHYHV



Reverse complement motif

Consensus sequence: VHMDGGACVAGGRCDH



Motif ID: [UP00096](#)
Motif name: Sox13_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward

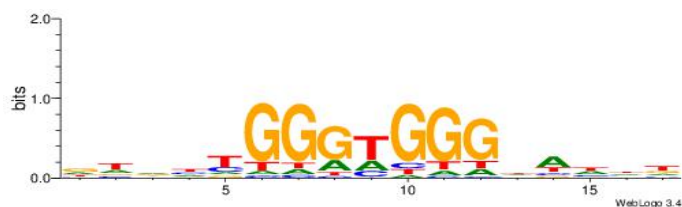
Position number: 1
 Number of overlap: 15
 Similarity score: 0.0391249

Alignment:

DDDHTGGGTGGGHAHHD
 GDGGVKSMHGGGRMT--

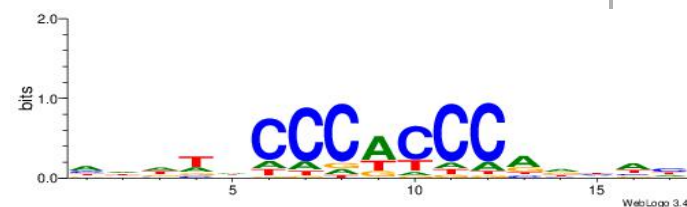
Original motif

Consensus sequence: DDDHTGGGTGGGHAHHD



Reverse complement motif

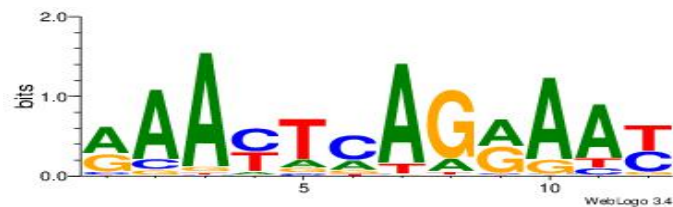
Consensus sequence: DHHTHCCCACCCAHHDDH



Dataset #: 1 Motif ID: 137 Motif name: C137

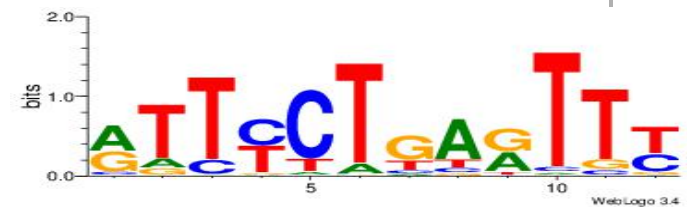
Original motif

Consensus sequence: RAAATCAGRAAY



Reverse complement motif

Consensus sequence: MTTKCTGAKTTK



Best Matches for Motif ID 137 (Highest to Lowest)

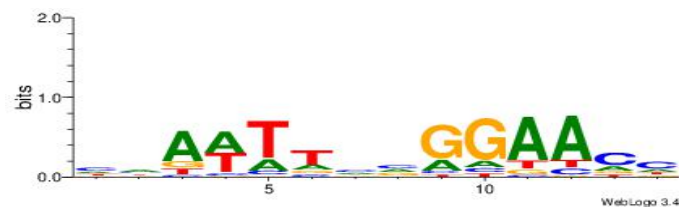
Motif ID: [UP00085](#)
 Motif name: Sfp1_secondary

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: 0.00902566

Alignment:
HHAWTTHVGGAACH
-RAAYTCAGRAAY-

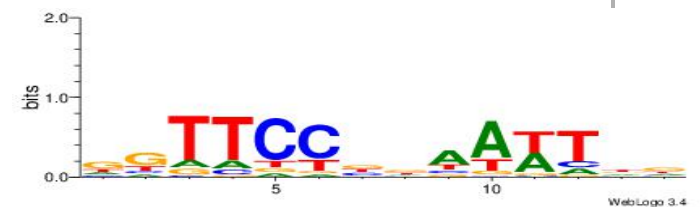
Original motif

Consensus sequence: HHAWTTHVGGAACH



Reverse complement motif

Consensus sequence: DGTTC CVDAAWTHD



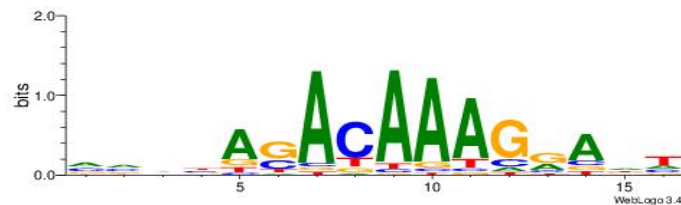
Motif ID: [UP00101](#)
Motif name: Sox12_secondary
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 12
Similarity score: 0.0179124

Alignment:

VVDBASACAAAGRADH
----RAAYTCAGRAAY

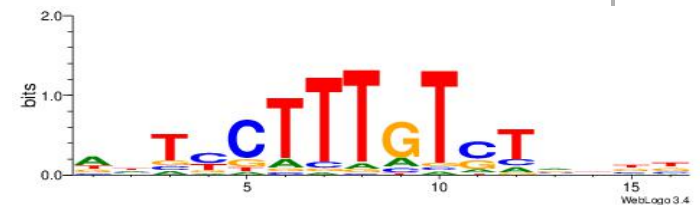
Original motif

Consensus sequence: VVDBASACAAAGRADH



Reverse complement motif

Consensus sequence: HDTMCTTTGTSTVDBB



Motif ID:	UP00185
Motif name:	Pbx1
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:	0.0179708

Alignment:

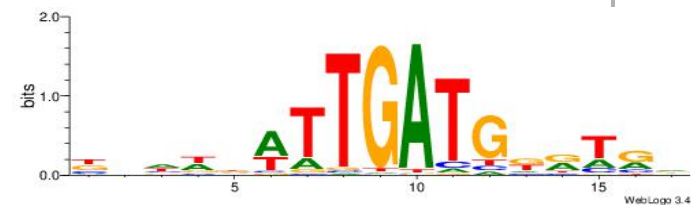
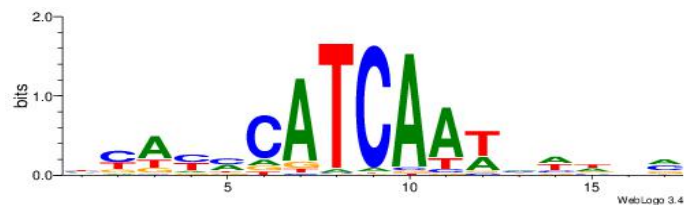
BVDWHWTTGATGRKTKH
-----MTTKCTGAKTTK

Original motif

Consensus sequence: HYAYMCATCAAWHWDVV

Reverse complement motif

Consensus sequence: BVDWHWTTGATGRKTKH

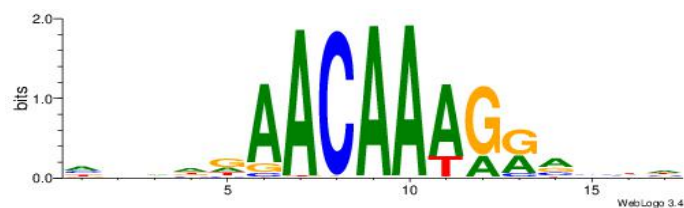


Motif ID: [UP00062](#)
 Motif name: Sox4_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0209132

Alignment:
 HBDDDAACAAAGRVBHH
 ----RAAYTCAGRAAY-

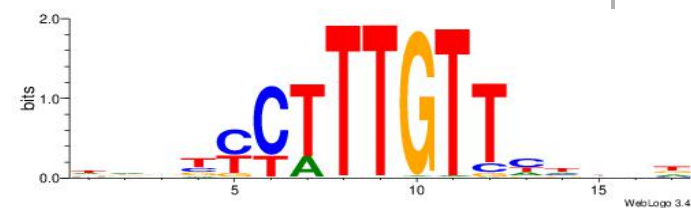
Original motif

Consensus sequence: HBDDDAACAAAGRVBHH



Reverse complement motif

Consensus sequence: HHBBMCTTTGTTHDDBH



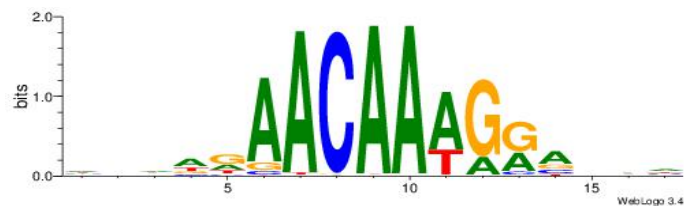
Motif ID: [UP00030](#)

Motif name: Sox11_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 12
 Similarity score: 0.0212068

Alignment:
 HBDDRAACAAAGRABHH
 ----RAAYTCAGRAAY-

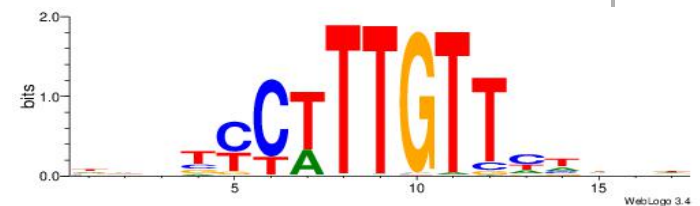
Original motif

Consensus sequence: HBDDRAACAAAGRABHH



Reverse complement motif

Consensus sequence: HHBTMCTTTGTTMDDVH



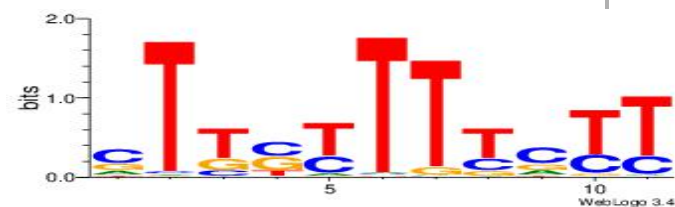
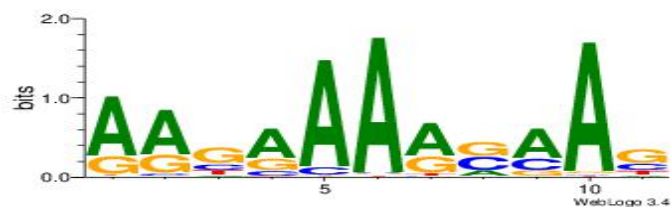
Dataset #: 1 Motif ID: 138 Motif name: C138

Original motif

Consensus sequence: AAGAAARSAAG

Reverse complement motif

Consensus sequence: CTTSKTTTCTT



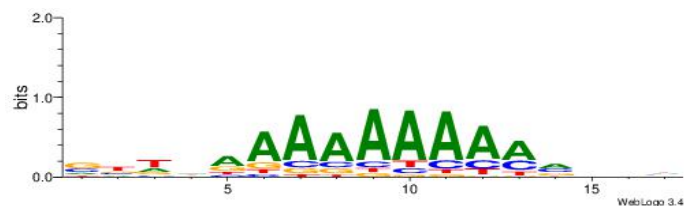
Best Matches for Motif ID 138 (Highest to Lowest)

Motif ID: [UP00077](#)
 Motif name: Srf_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0334943

Alignment:
 HHVBYTTTTTTTDDVV
 --CTTSKTTTCTT----

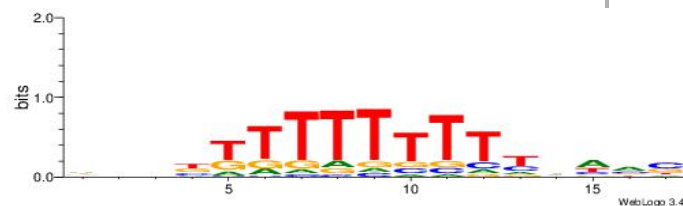
Original motif

Consensus sequence: VBDDAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTDDVV



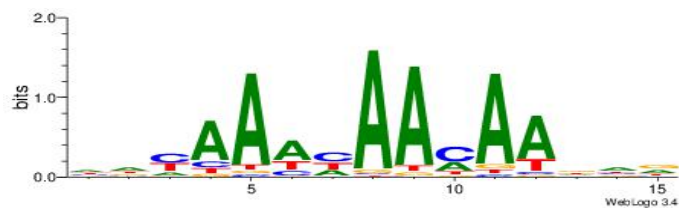
Motif ID: [UP00037](#)
 Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0441276

Alignment:

HHHTTRTTDTTCKDH
 --CTTSKTTTCTT--

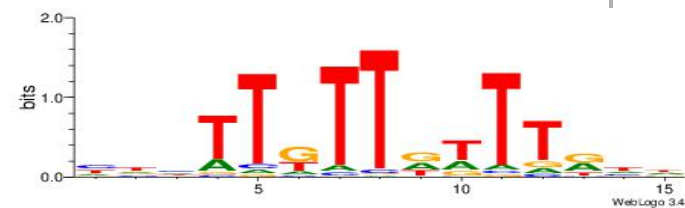
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTTRTTDTTCKDH



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: Forward
 Position number: 3

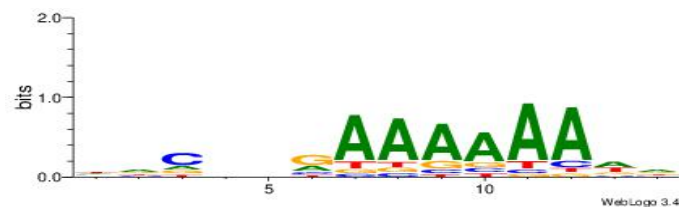
Number of overlap: 11
Similarity score: 0.0449117

Alignment:

HDCDBRAAAAAADD
--AAGAAARSAAG--

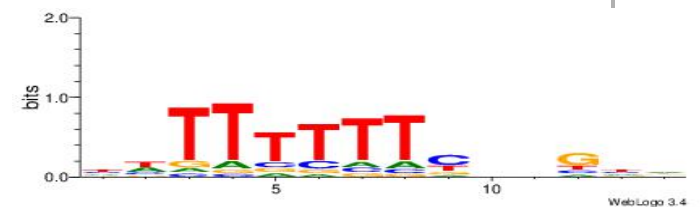
Original motif

Consensus sequence: HDCDBRAAAAAADD



Reverse complement motif

Consensus sequence: DDTTTTTTMBDGDH



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: 11
Similarity score: 0.0452028

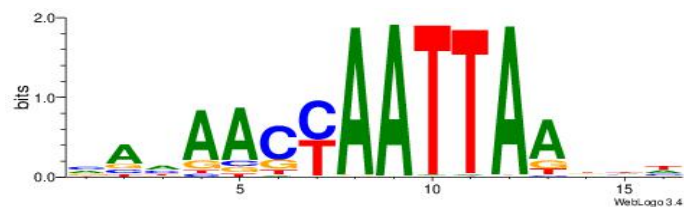
Alignment:

HHVTTAATTKGTTHTV
--CTTSKTTTCTT---

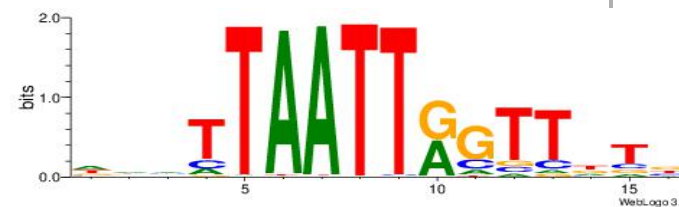
Original motif

Reverse complement motif

Consensus sequence: VAHAACYAATTAABHH



Consensus sequence: HHVTTAATTGTTHTV



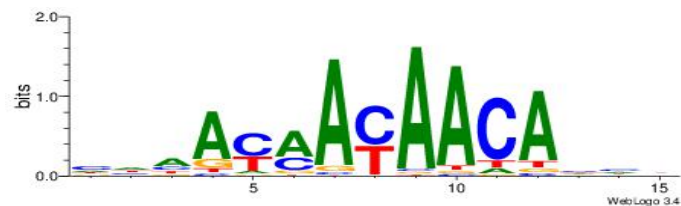
Motif ID: [UP00025](#)
Motif name: Foxk1_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0456684

Alignment:

HDDTGTTKTTKTHHD
-CTTSKTTTCTT---

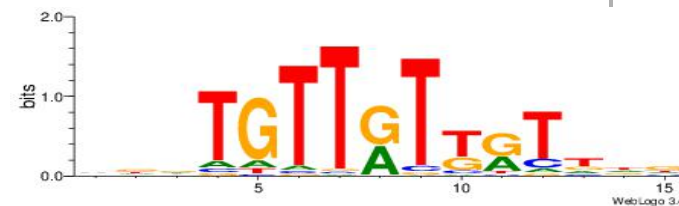
Original motif

Consensus sequence: HHHAYAAYAACAHHH



Reverse complement motif

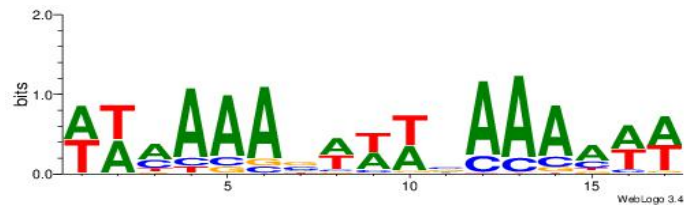
Consensus sequence: HDDTGTTKTTKTHHD



Dataset #: 1 **Motif ID: 139** **Motif name: C139**

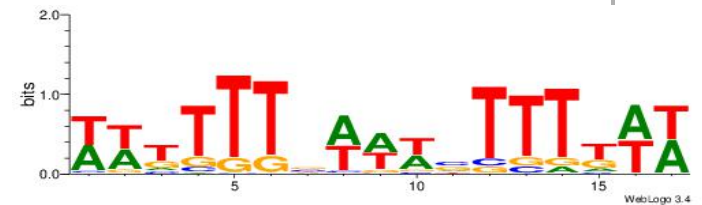
Original motif

Consensus sequence: WWMAAABWWWVAAAAWW



Reverse complement motif

Consensus sequence: WWTTTTVWWWBTTTYWW



Best Matches for Motif ID 139 (Highest to Lowest)

Motif ID:	UP00034
Motif name:	Sox7_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	17
Similarity score:	0.0481917

Alignment:

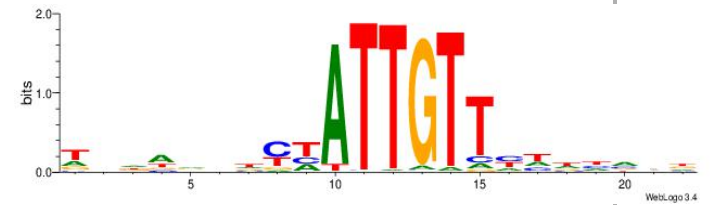
```
HHBDHDDAACAATDRHHHHHBW
---WWMAAABWWWVAAAAWW---
```

Original motif

Consensus sequence: HHBDHDDAACAATDRHHHHHBW

Reverse complement motif

Consensus sequence: WBHHHHHMDATTGTTTHDHDVHH



Alignment:

```
VBDDAAAAAAAAAMVBHH
WWMAAABWWWVAAAWW
```

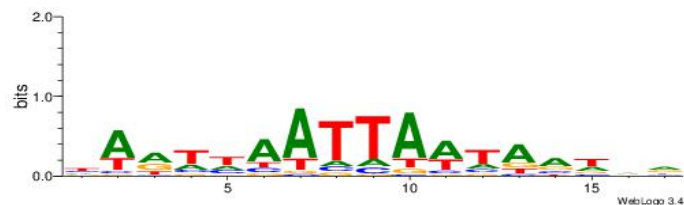
Motif name: Dbx1
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0509582

Alignment:

DHDBTAWTAATTHAKTH
 WTTTTTVWWBTTYWW

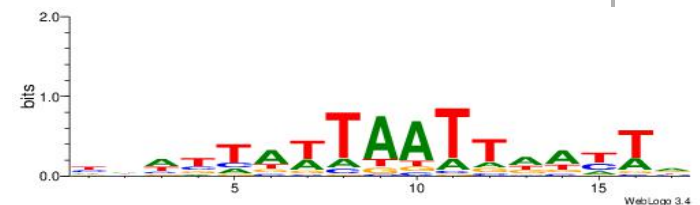
Original motif

Consensus sequence: HARTHAATTAWTAVDHD



Reverse complement motif

Consensus sequence: DHDBTAWTAATTHAKTH



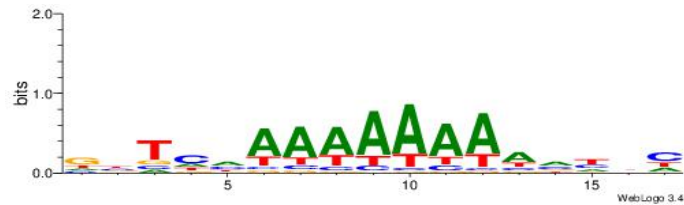
Motif ID: [UP00090](#)
 Motif name: Elf3_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0532816

Alignment:

DBTHHAAAAAAAAAVHDH
WWMAAABWWWVAAA

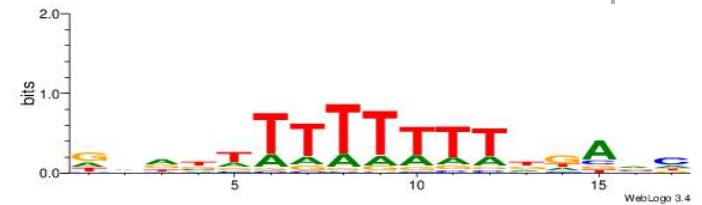
Original motif

Consensus sequence: DBTHHAAAAAAAAAVHDH



Reverse complement motif

Consensus sequence: DDHBTTTTTTTTHDAVH



Motif ID:	UP00037
Motif name:	Zfp105_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	17
Similarity score:	0.05356

Alignment:

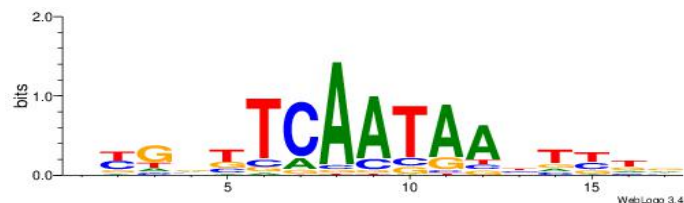
HDMAVTTATTGARVCMH
WWMAAABWWWVAAA

Original motif

Consensus sequence: DYGVKTCAATAABTYDD

Reverse complement motif

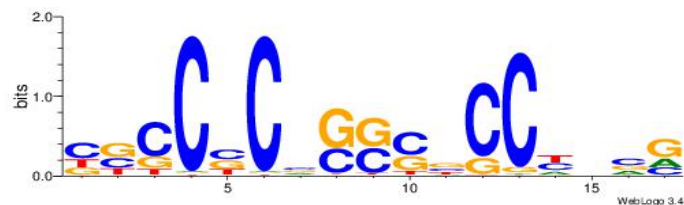
Consensus sequence: HDMAVTTATTGARVCMH



Dataset #: 1 Motif ID: 140 Motif name: C140

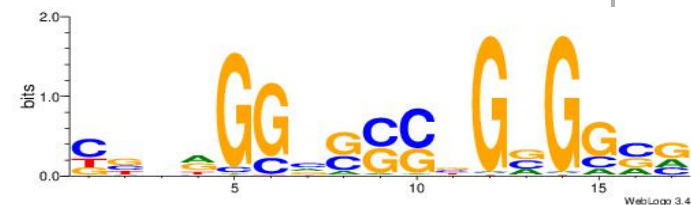
Original motif

Consensus sequence: BSCCBCVSSSBCCYHVG



Reverse complement motif

Consensus sequence: CVDMGGBSSSVGBGGSB



Best Matches for Motif ID 140 (Highest to Lowest)

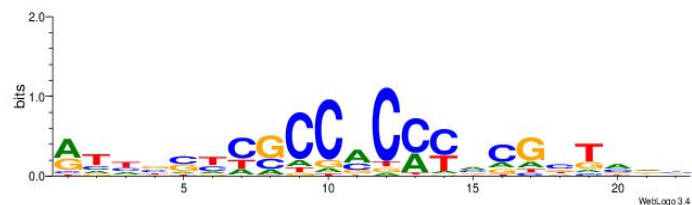
Motif ID:	UP00539
Motif name:	Gli2_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	17
Similarity score:	0.0510096

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
BSCCBVCSSSBCCYHVG-----

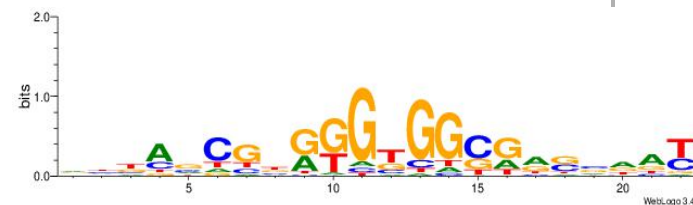
Original motif

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:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	17
Similarity score:	0.0520625

Alignment:

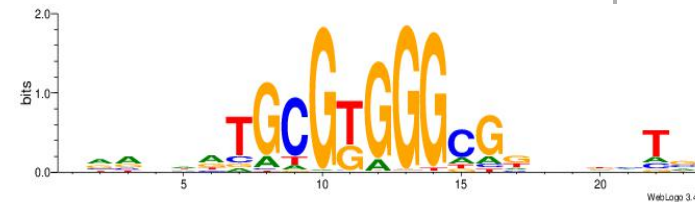
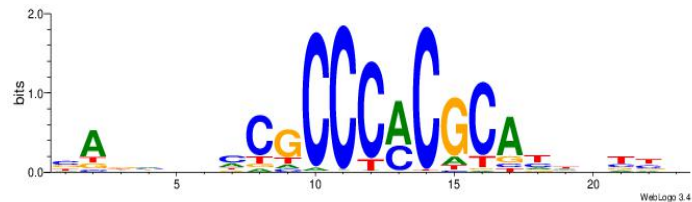
VVVDHHTGCGYGGGCGDHSVHHTB
--CVDMGGBSSSVGBGGSB----

Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDDBV

Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHSVHHTB



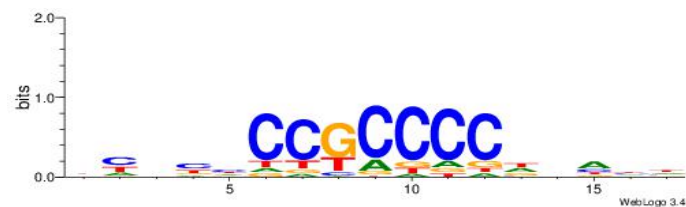
Motif ID: [UP00033](#)
 Motif name: Zfp410_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0523971

Alignment:

BHHBHCCGCCCCDHHHH
 BSCCBVCSSSBCCYHVG

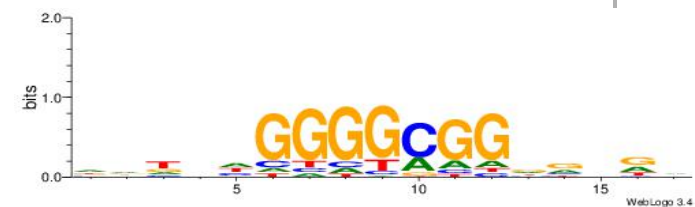
Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH



Reverse complement motif

Consensus sequence: HHHHDGGGGCGGDBHDV



Motif ID: [UP00538](#)

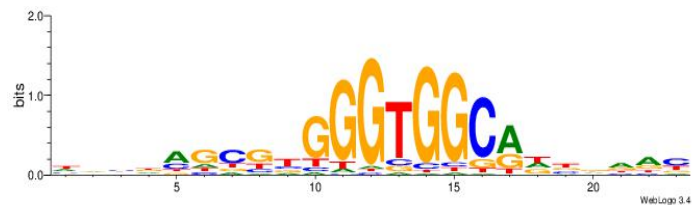
Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 17
 Similarity score: 0.0544357

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 -----BSCCBVCSSSBCCYHVG

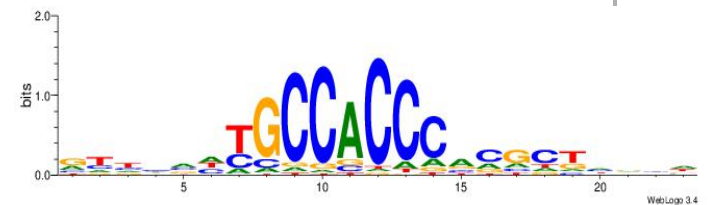
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 17

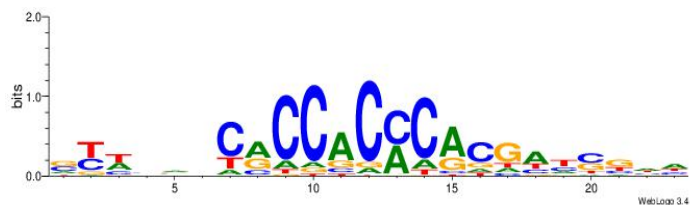
Similarity score: 0.0585258

Alignment:

HHBSHTCGTGRGTGGKGDBVWMV
--CVDMGGBSSSVGBGGSB----

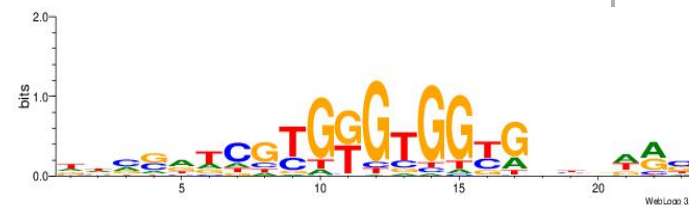
Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif

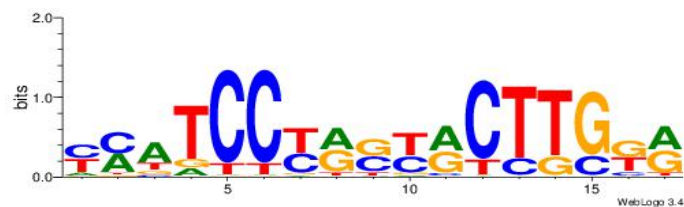
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Dataset #: 1 Motif ID: 141 Motif name: C141

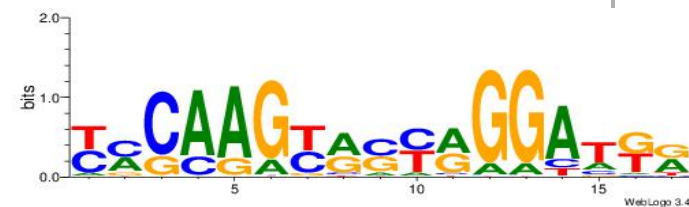
Original motif

Consensus sequence: YMATCCYRSYRCTTGKR



Reverse complement motif

Consensus sequence: KYCAAGKMSKMGGATRK



Best Matches for Motif ID 141 (Highest to Lowest)

Motif ID: [UP00527](#)
Motif name: Foxn4_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement

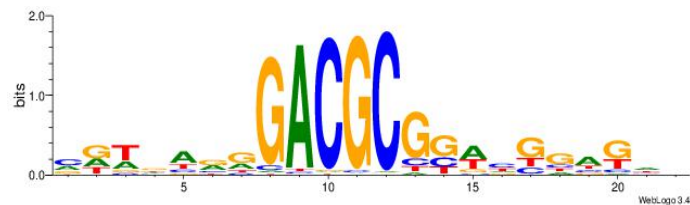
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	17
Similarity score:	0.048695

Alignment:

```
VDWDARRGACGCGGWHGGAHV
-KYCAAGKMSKMGGATRK----
```

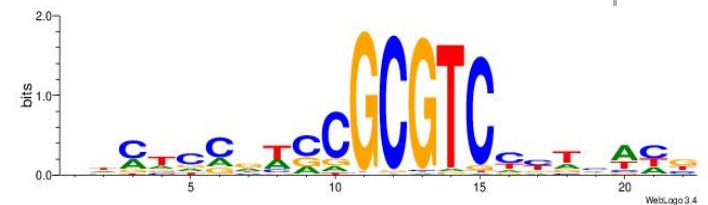
Original motif

Consensus sequence: VDWDARRGACGCGGWHGGAHV



Reverse complement motif

Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



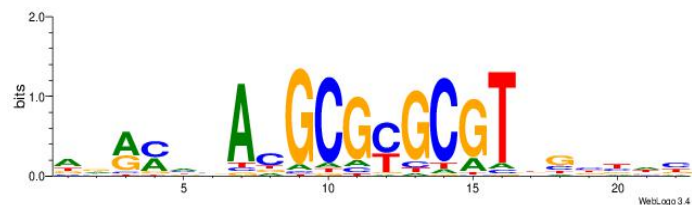
Motif ID:	UP00526
Motif name:	Foxn1_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	17
Similarity score:	0.0533376

Alignment:

BDVBCDACGCKCGCGTBHRKHD
---KYCAAGKMSKMGGATRK--

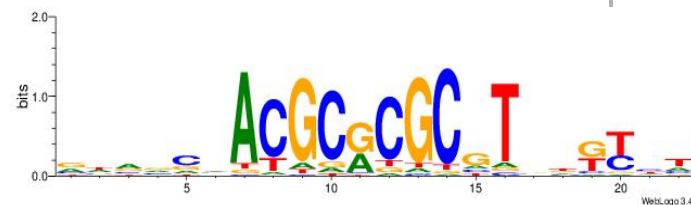
Original motif

Consensus sequence: DDRMHBACGCGYGCGTDGBBDB



Reverse complement motif

Consensus sequence: BDVBCDACGCKCGCGTBHRKHD



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: 1
Number of overlap: 17
Similarity score: 0.0540672

Alignment:

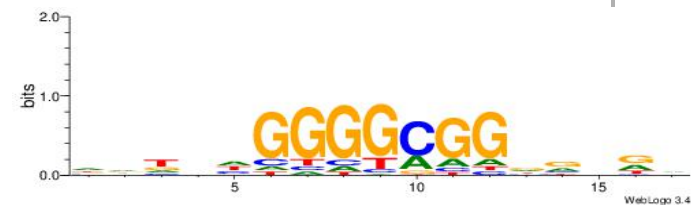
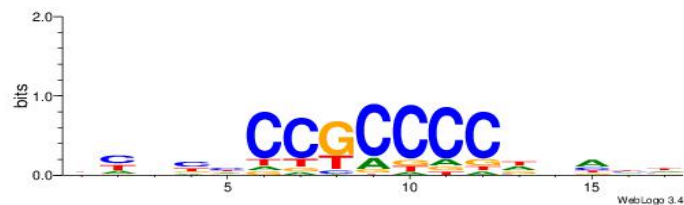
BHHBHCCGCCCCDHHHH
YMATCCYRSYRCTTGKR

Original motif

Consensus sequence: BHHBHCCGCCCCDHHHH

Reverse complement motif

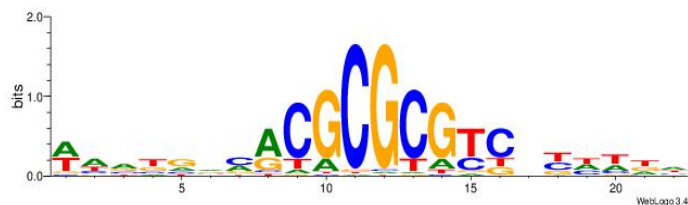
Consensus sequence: HHHHDGGGGCGGDBHDV



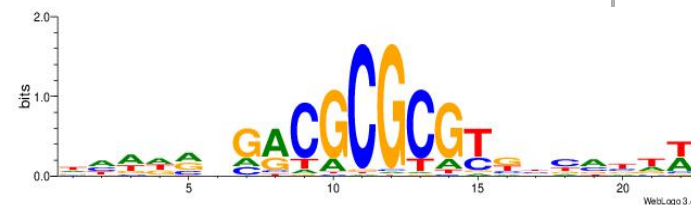
Motif ID: [UP00526](#)
 Motif name: Foxn1_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0558883

Alignment:
 HDWHMHGACGCGCGTRBVVBHW
 KYCAAGKMSKMGGATRK-----

Original motif
 Consensus sequence: WHVBVVMACGCGCGTCDYHWDH



Reverse complement motif
 Consensus sequence: HDWHMHGACGCGCGTRBVVBHW



Motif ID: [UP00002](#)
 Motif name: Sp4_primary

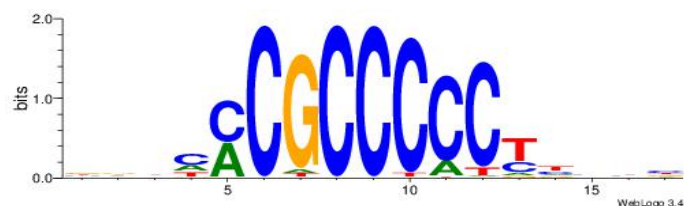
Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 17
 Similarity score: 0.0562075

Alignment:

BVVHAGGGGGCGRDHBB
 KYCAAGKMSKMGGATRK

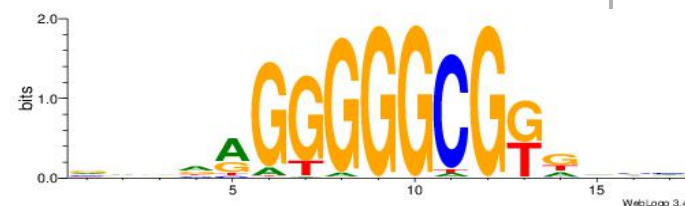
Original motif

Consensus sequence: BDHHMCGCCCCCTHVBB



Reverse complement motif

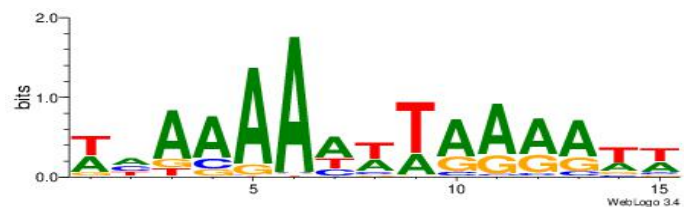
Consensus sequence: BVVHAGGGGGCGRDHBB



Dataset #: 1 Motif ID: 142 Motif name: C142

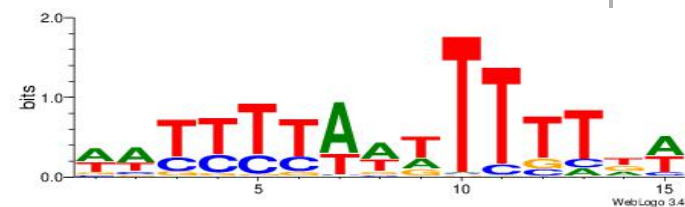
Original motif

Consensus sequence: WHAAAAWTAAAWW



Reverse complement motif

Consensus sequence: WTTTTTAWTTTTTHW



Best Matches for Motif ID 142 (Highest to Lowest)

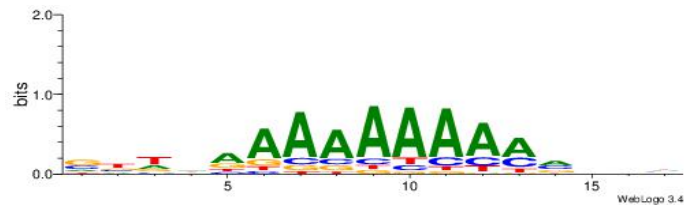
Motif ID: [UP00077](#)
Motif name: Srf_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 15
Similarity score: 0.0209943

Alignment:

HHVBYTTTTTTTTDDVV
WTTTTTAWTTTTTHW--

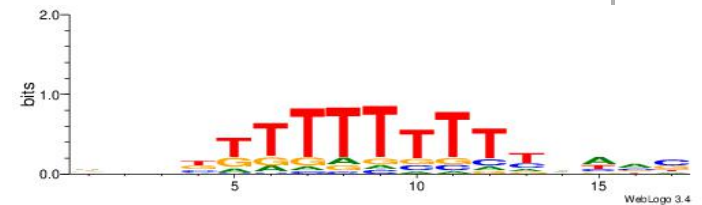
Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH



Reverse complement motif

Consensus sequence: HHVBYTTTTTTTTDDVV



Motif ID: [UP00255](#)
Motif name: Dbx1
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward

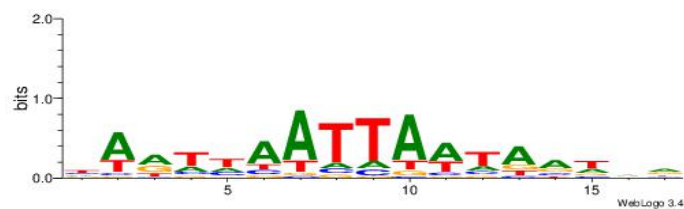
Position number: 3
Number of overlap: 15
Similarity score: 0.0296488

Alignment:

HARTHAATTAWTAVDHD
WHAAAAAWTAAAWW--

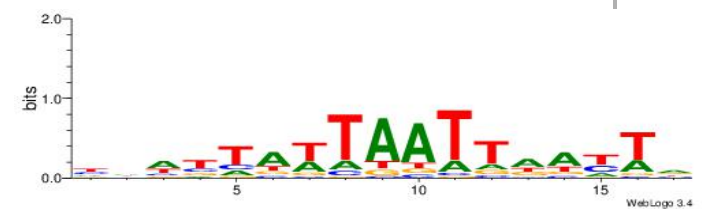
Original motif

Consensus sequence: HARTHAATTAWTAVDHD



Reverse complement motif

Consensus sequence: DHDBTAWTAATTHAKTH



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: Forward
Position number: 1
Number of overlap: 15
Similarity score: 0.0298134

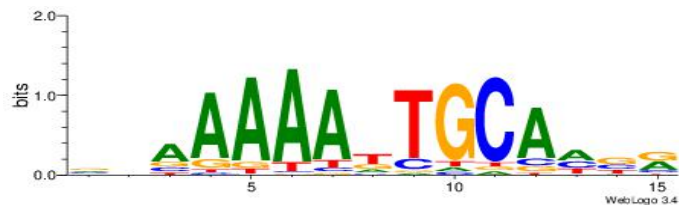
Alignment:

MBHTGCADTTTTTHV
WTTTTAWTTTTTHW

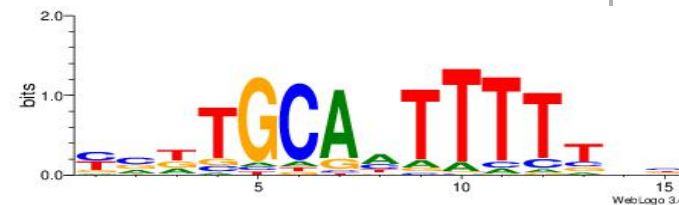
Original motif

Reverse complement motif

Consensus sequence: VHAAAAADTGCAHBR



Consensus sequence: MBHTGCADTTTTTHV



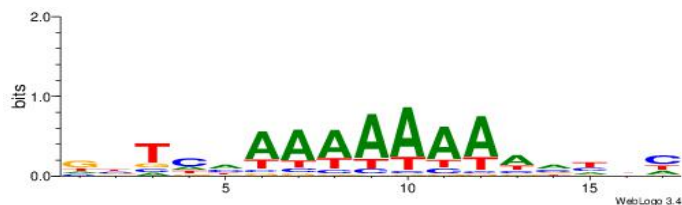
Motif ID: [UP00090](#)
Motif name: Elf3_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 15
Similarity score: 0.02982

Alignment:

DDHBT T T T T T T T T H D A V H
-W W T T T T A W T T T T T H W-

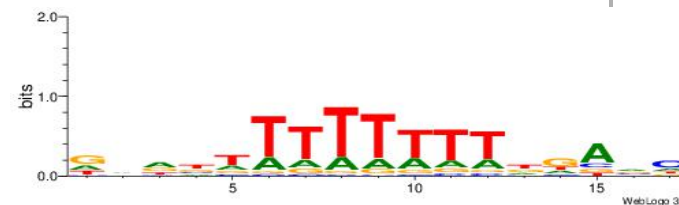
Original motif

Consensus sequence: DBTHHAAAAAAAAAVHDH



Reverse complement motif

Consensus sequence: DDHBT T T T T T T T T H D A V H



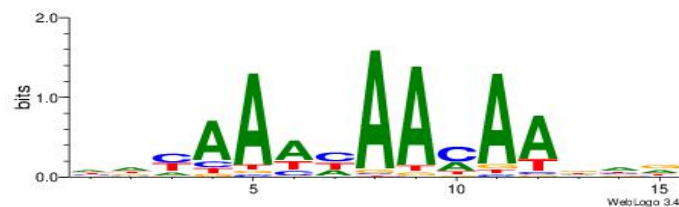
Motif ID: [UP00037](#)
 Motif name: Zfp105_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0336901

Alignment:

HHHTTRTTDTTKDH
 WTTTTTAWTTTTTHW

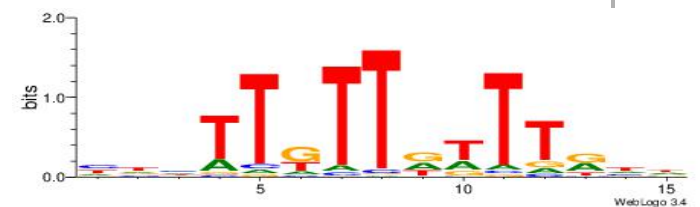
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTTRTTDTTKDH



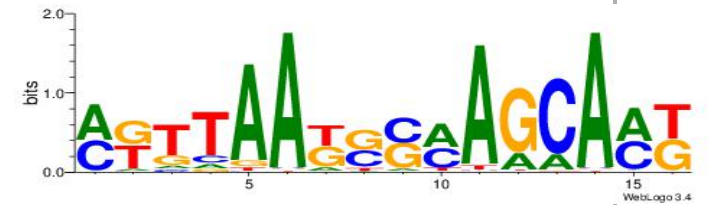
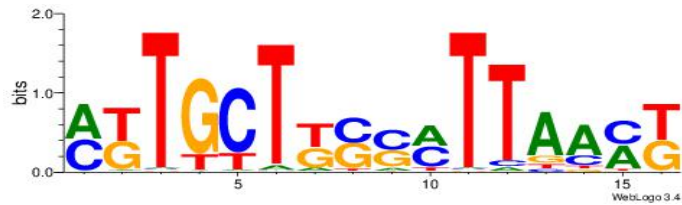
Dataset #: 1 Motif ID: 143 Motif name: C143

Original motif

Consensus sequence: MKTGCTKSSMTTAAMK

Reverse complement motif

Consensus sequence: RRTTAAYSSRAGCARY



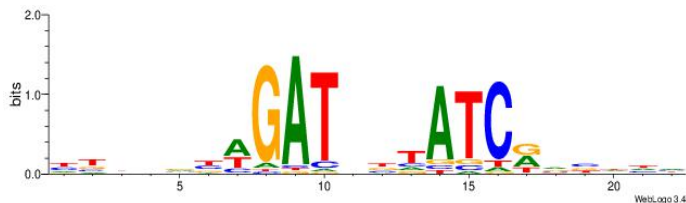
Best Matches for Motif ID 143 (Highest to Lowest)

Motif ID: [UP00032](#)
 Motif name: Gata3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 16
 Similarity score: 0.043815

Alignment:
 HBHDVBWGATHBTATCRVBHHH
 ---RRTTAAYSSRAGCARY---

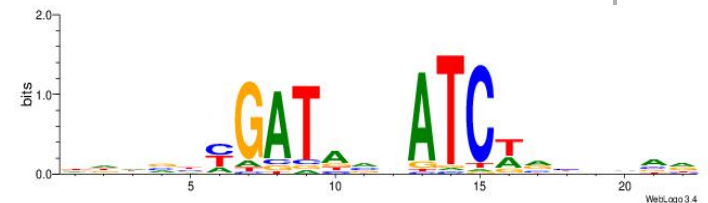
Original motif

Consensus sequence: HBHDVBWGATHBTATCRVBHHH



Reverse complement motif

Consensus sequence: HHHBBMGATAVHATCWVVDHVH



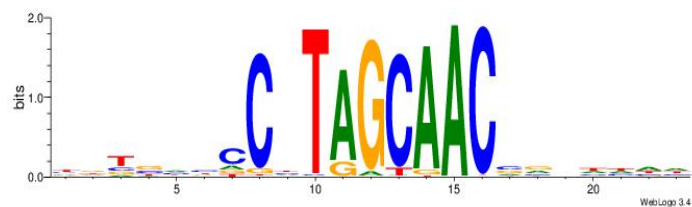
Motif ID: [UP00098](#)
 Motif name: Rfx3_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8
 Number of overlap: 16
 Similarity score: 0.0460848

Alignment:

HDTBHHCCHTAGCAACVVDHHHH
 RRTTAAYSSRAGCARY-----

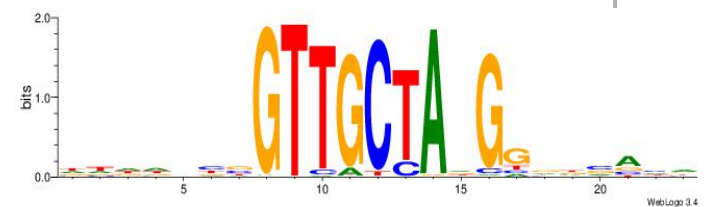
Original motif

Consensus sequence: HDTBHHCCHTAGCAACVVDHHHH



Reverse complement motif

Consensus sequence: HHHHDVVGTTGCTAHGGDHBAAH



Motif ID: [UP00190](#)
 Motif name: Nkx2-3
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1

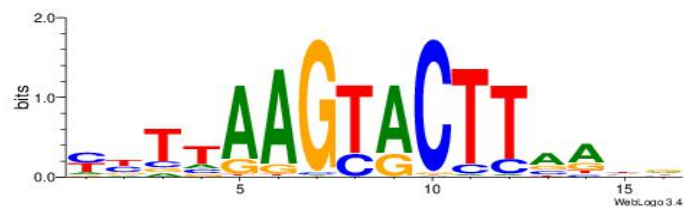
Number of overlap: 16
Similarity score: 0.0485356

Alignment:

HHTTAAGTACTTAAMK
MKTGCTKSSMTTAAMK

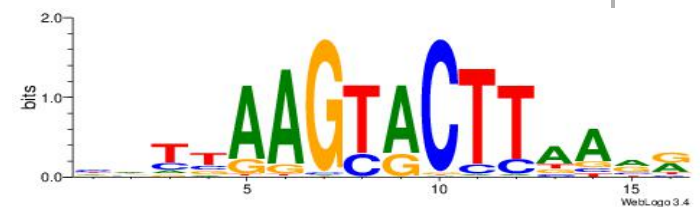
Original motif

Consensus sequence: YYTTAAGTACTTAAHD



Reverse complement motif

Consensus sequence: HHTTAAGTACTTAAMK



Motif ID: [UP00421](#)
Motif name: Etv1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 16
Similarity score: 0.0513932

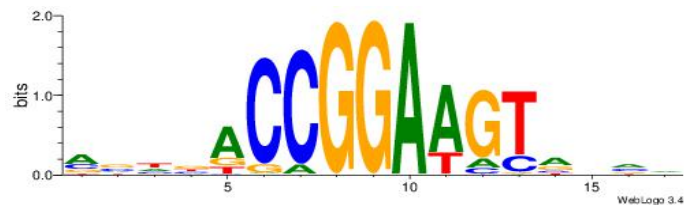
Alignment:

MVHBACCGGAAGTVDVH
RRTTAAYSSRAGCARY-

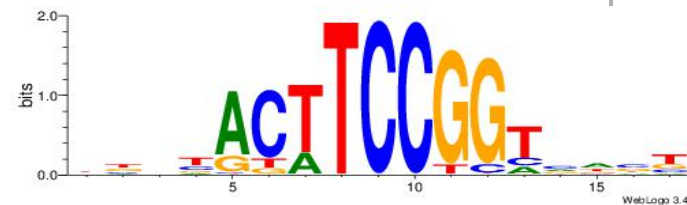
Original motif

Reverse complement motif

Consensus sequence: MVHBACCGGAAGTVDVH



Consensus sequence: HBDBACTTCCGGTBHVY



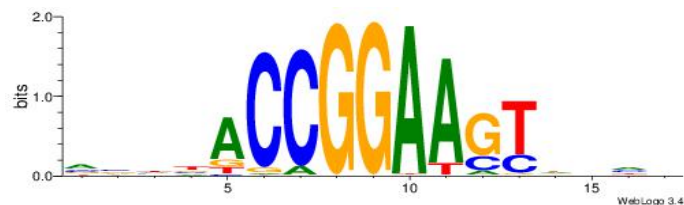
Motif ID: [UP00410](#)
Motif name: Elk1
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 16
Similarity score: 0.051952

Alignment:

VVHBACCGGAAGTDBHD
RRTTAAYSSRAGCARY-

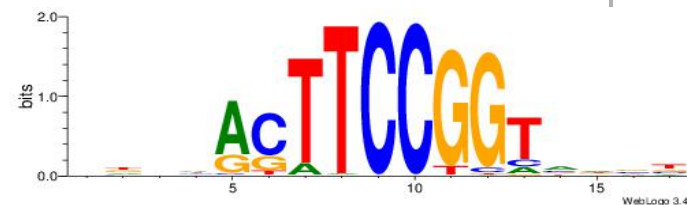
Original motif

Consensus sequence: VVHBACCGGAAGTDBHD



Reverse complement motif

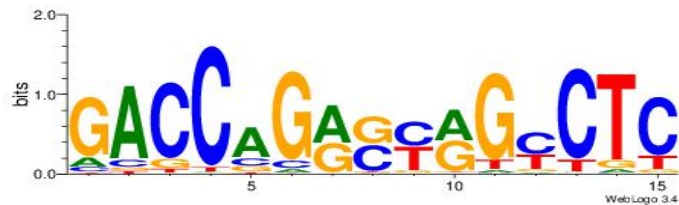
Consensus sequence: DHBDACTTCCGGTVHVB



Dataset #: 1 **Motif ID: 144** **Motif name: C144**

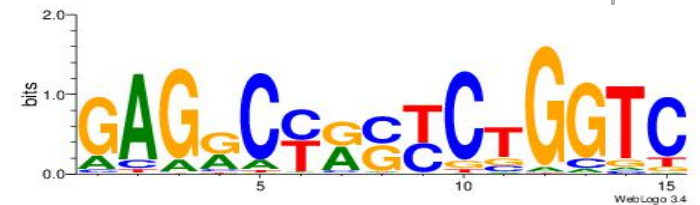
Original motif

Consensus sequence: GACCAGSYRGYCTC



Reverse complement motif

Consensus sequence: GAGKCKKSKCTGGTC



Best Matches for Motif ID 144 (Highest to Lowest)

Motif ID:	UP00540
Motif name:	Gli3_v015681_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	9
Number of overlap:	15
Similarity score:	0.0365285

Alignment:

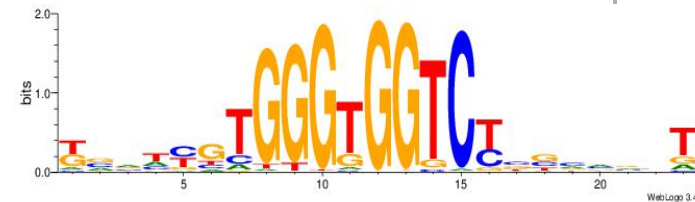
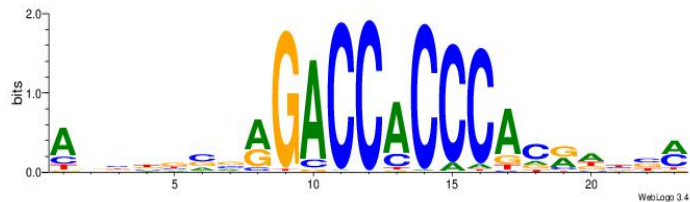
```
YBVDMGTTGGGTGGTCKVVBVBBT
GAGKCKKSKCTGGTC-----
```

Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM

Reverse complement motif

Consensus sequence: YBVDMGTTGGGTGGTCKVVBVBBT



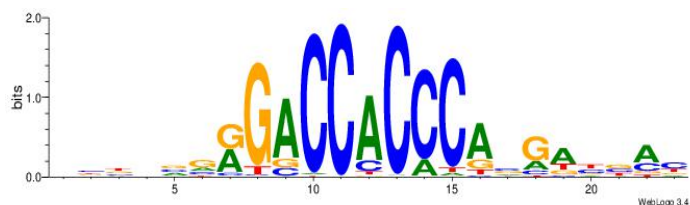
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 15
 Similarity score: 0.0367839

Alignment:

BTBVTCTGGGTGGTCMVVDVBB
 -GAGKCKKSKCTGGTC-----

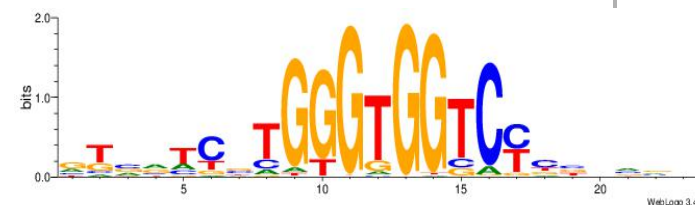
Original motif

Consensus sequence: BBBDVVRGACCACCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTGGGTGGTCMVVDVBB



Motif ID: [UP00539](#)

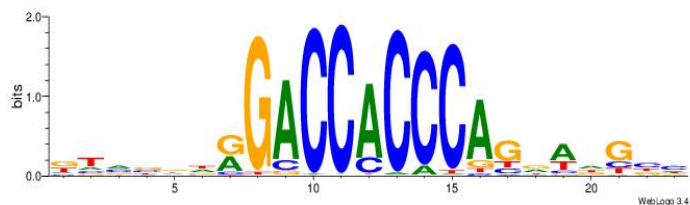
Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 15
 Similarity score: 0.0372292

Alignment:

DBCDWHCTGGGTGGTCMDHBBAH
 -GAGKCKKSKCTGGTC-----

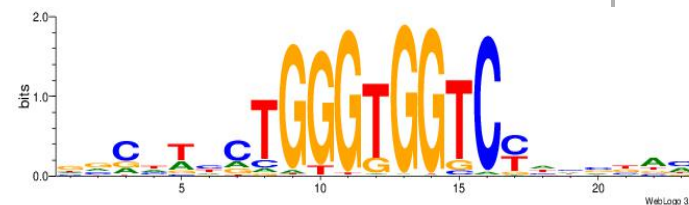
Original motif

Consensus sequence: DTVBDDRGACCAACCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH

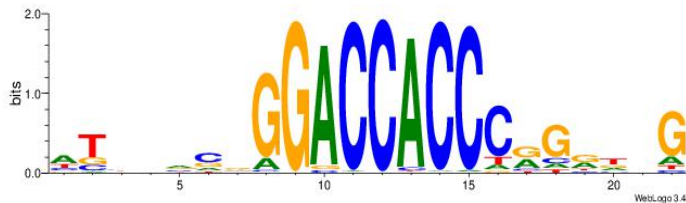


Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 15

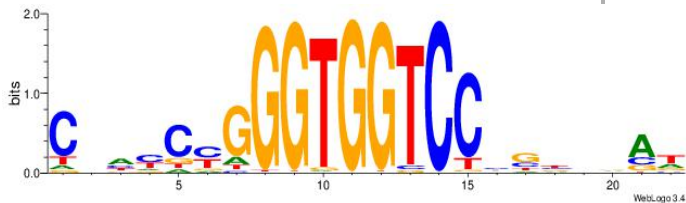
Similarity score: 0.037305

Alignment:
CBDMCMGGGTGGTCCHVBVBAH
-GACCAGRSYRGYCTC-----

Original motif
Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif
Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH

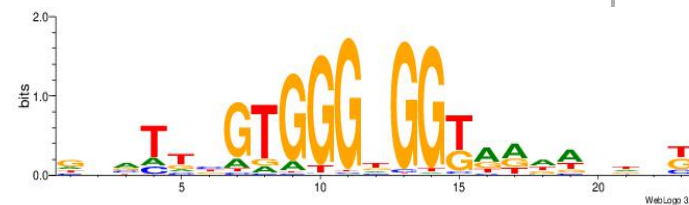
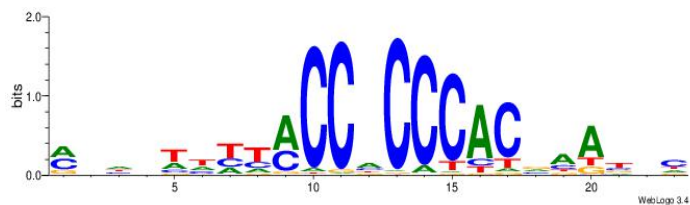


Motif ID: [UP00538](#)
Motif name: Gli1_v015681_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 15
Similarity score: 0.0395722

Alignment:
DVVTTVGTGGGHGGYAMHWHHHY
-GAGKCKKSKCTGGTC-----

Original motif
Consensus sequence: MHHHWHYTMCHCCACVAABVH

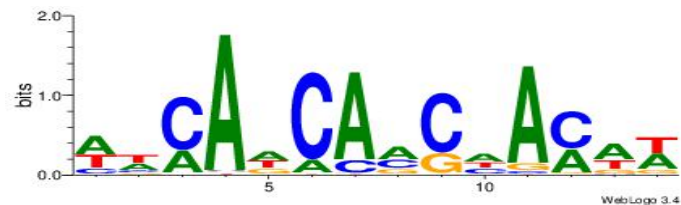
Reverse complement motif
Consensus sequence: DVVTTVGTGGGHGGYAMHWHHHY



Dataset #: 1 Motif ID: 145 Motif name: C145

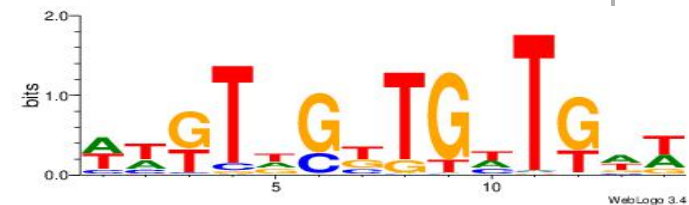
Original motif

Consensus sequence: WWCADCAMCHAMWW



Reverse complement motif

Consensus sequence: WWRTHGYTGDTGWW



Best Matches for Motif ID 145 (Highest to Lowest)

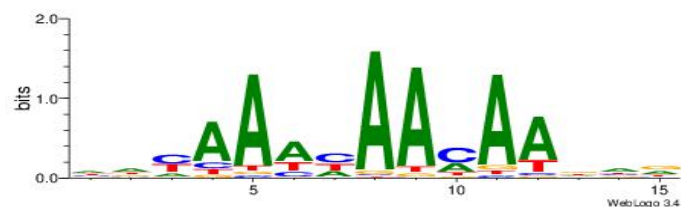
Motif ID:	UP00037
Motif name:	Zfp105_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	14
Similarity score:	0.0335902

Alignment:

HDYAAHAAMAADHD
-WWCADCAMCHAMWW

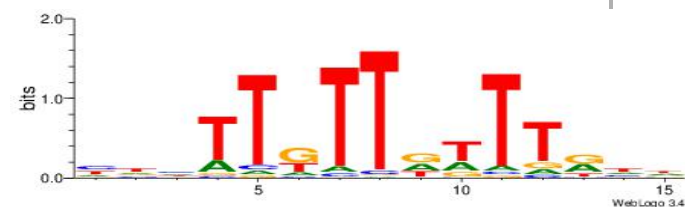
Original motif

Consensus sequence: HDYAAHAAMAADHD



Reverse complement motif

Consensus sequence: HHHTRTTDTTTKDH



Motif ID:	UP00069
Motif name:	Sox1_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:	0.0379211

Alignment:

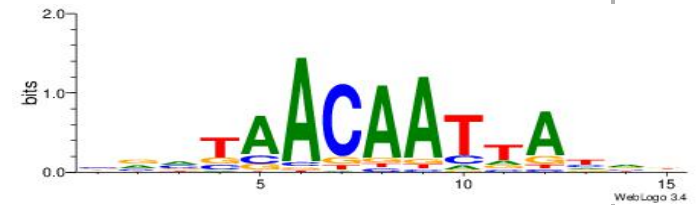
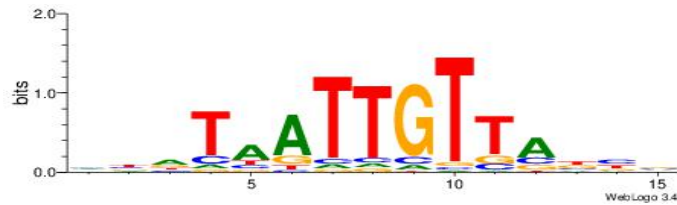
HBDTAATTGTTABBV
WWRTHGYTGDTGWW-

Original motif

Consensus sequence: HBDTAATTGTTABBV

Reverse complement motif

Consensus sequence: VBVTAACAATTADVD

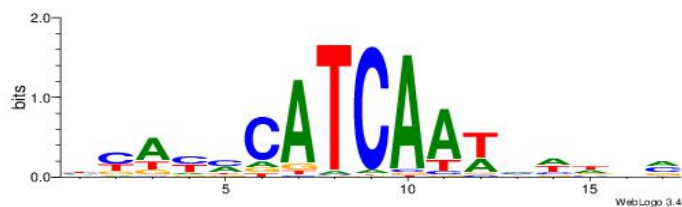


Motif ID: [UP00185](#)
 Motif name: Pbx1
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0393885

Alignment:
 HYAYMCATCAAWHWDVV
 ---WWCADCAMCHAMWW

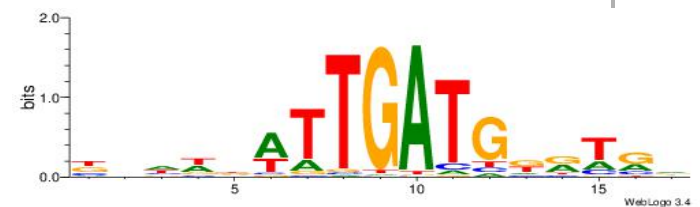
Original motif

Consensus sequence: HYAYMCATCAAWHWDVV



Reverse complement motif

Consensus sequence: BVDWHWTTGATGRKTKH



Motif ID: [UP00091](#)

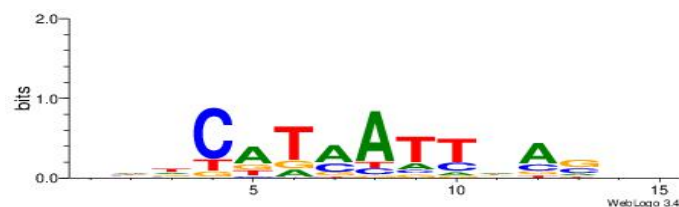
Motif name: Sox5_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0396706

Alignment:

DHDCATMATTDASDD
 -WWCADCAMCHAMWW

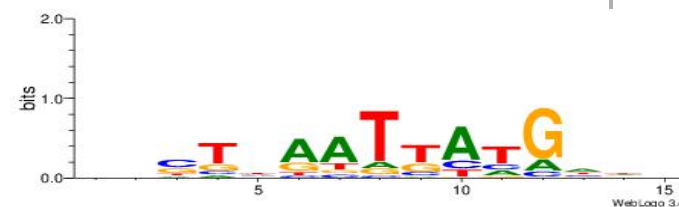
Original motif

Consensus sequence: DHDCATMATTDASDD



Reverse complement motif

Consensus sequence: DHSTDAATYATGDHD

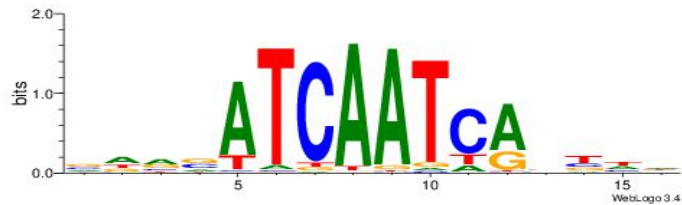


Motif ID: [UP00067](#)
 Motif name: Lef1_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14

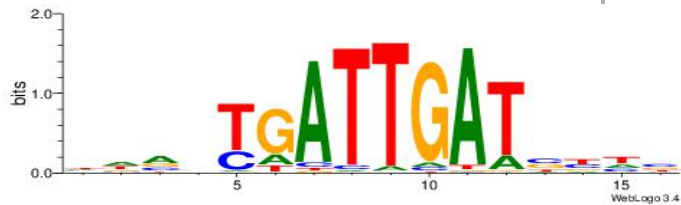
Similarity score: 0.0406825

Alignment:
VDVVATCAATCAHBHD
-WWCADCAMCHAMWW-

Original motif
Consensus sequence: VDVVATCAATCAHBHD

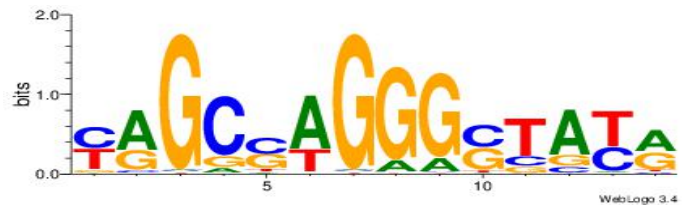


Reverse complement motif
Consensus sequence: DHVDTGATTGATVBDV

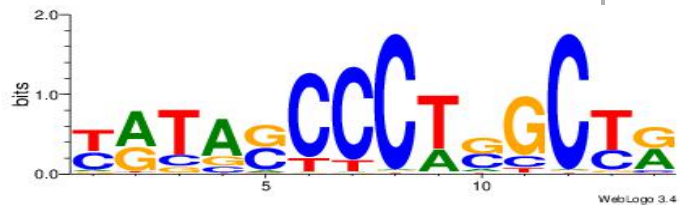


Dataset #: 1 Motif ID: 146 Motif name: C146

Original motif
Consensus sequence: YRGCSAGGGSTAYR



Reverse complement motif
Consensus sequence: KMTASCCCTSGCKK



Best Matches for Motif ID 146 (Highest to Lowest)

Motif ID: [UP00022](#)
Motif name: Zfp740_secondary
Species: Mus musculus
Matching format of first motif: Original Motif

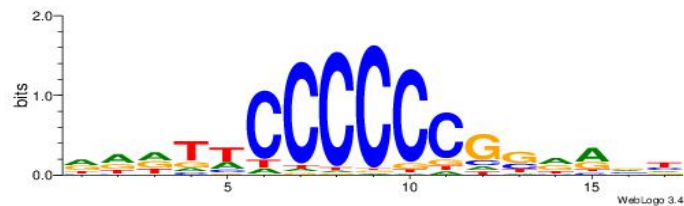
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	14
Similarity score:	0.0330877

Alignment:

```
HVKDCCGGGGGGWADDD
--YRGCSAGGGSTAYR-
```

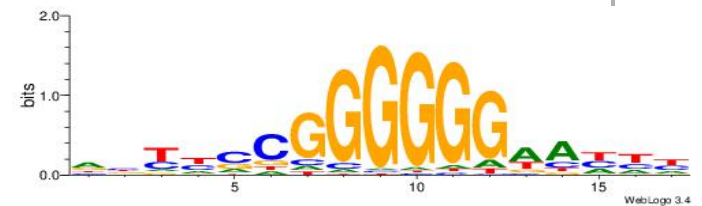
Original motif

Consensus sequence: DDDTWCCCCCGGDRVH



Reverse complement motif

Consensus sequence: HVKDCCGGGGGGWADDD



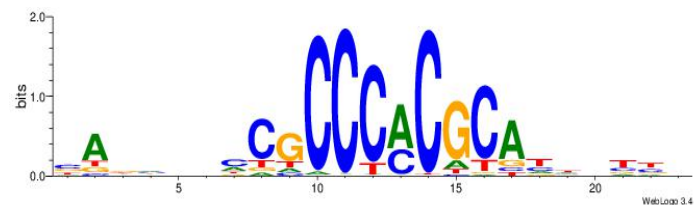
Motif ID:	UP00400
Motif name:	Zif268
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	6
Number of overlap:	14
Similarity score:	0.0345026

Alignment:

VVVDHHTGCGYGGGCGDHHVHHTB
 -----YRGCSAGGGSTAYR-----

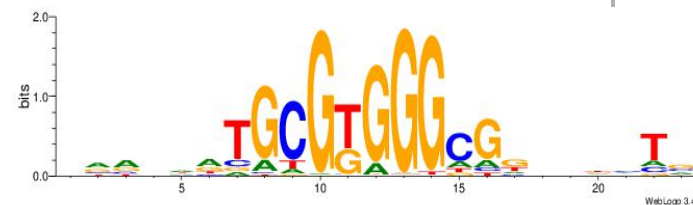
Original motif

Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV



Reverse complement motif

Consensus sequence: VVVDHHTGCGYGGGCGDHHVHHTB



Motif ID:	UP00093
Motif name:	Klf7_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	14
Similarity score:	0.0369871

Alignment:

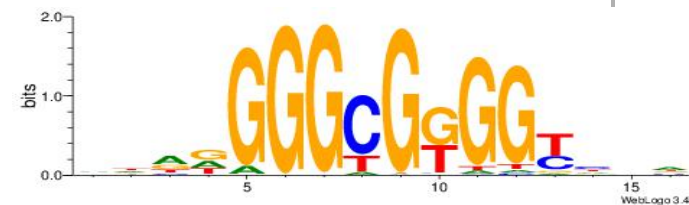
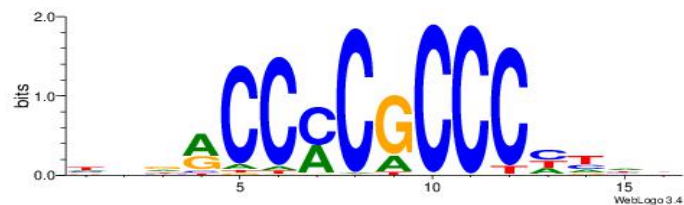
DHHDGGGCGRGGKHBH
 --YRGCSAGGGSTAYR

Original motif

Consensus sequence: HBDRCMCGCCCHHHD

Reverse complement motif

Consensus sequence: DHHDGGGCGRGGKHBH

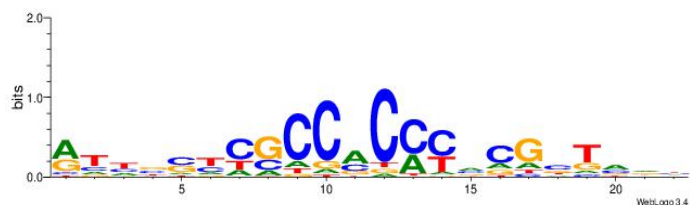


Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0374088

Alignment:
 HDBABCGBKRGYGGCGMSBHAK
 --YRGCSAGGGSTAYR-----

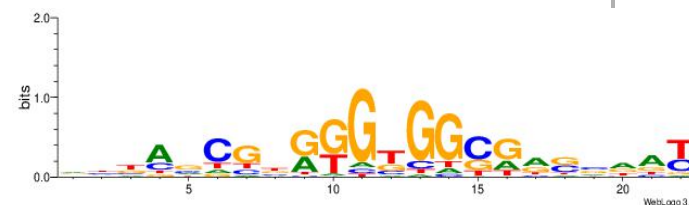
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK



Motif ID: [UP00096](#)

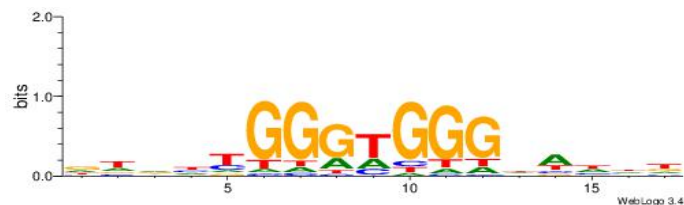
Motif name: Sox13_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0400162

Alignment:

DDDHTGGGTGGGHAHHD
 ---YRGCSAGGGSTAYR

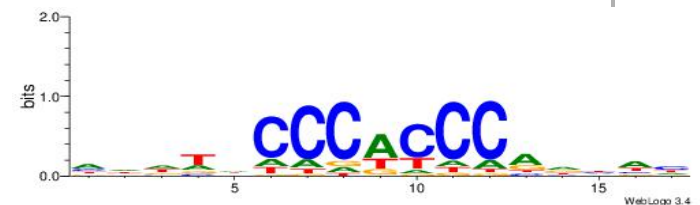
Original motif

Consensus sequence: DDDHTGGGTGGGHAHHD



Reverse complement motif

Consensus sequence: DHHTHCCCACCCAHHDDH



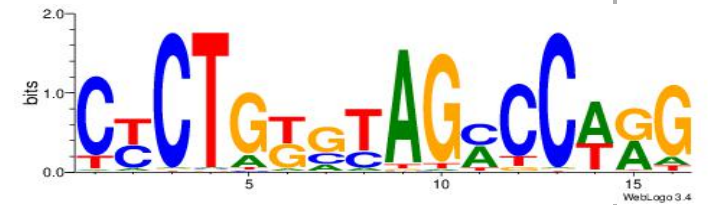
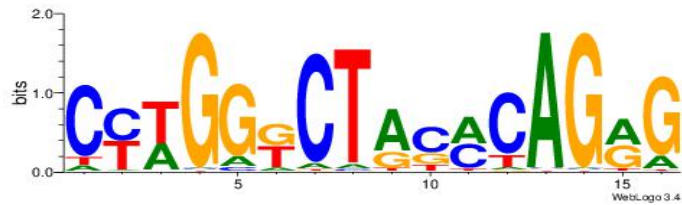
Dataset #: 1 Motif ID: 147 Motif name: C147

Original motif

Consensus sequence: CYWGGKCTACMCAGRG

Reverse complement motif

Consensus sequence: CKCTGYGTAGYCCWKG



Best Matches for Motif ID 147 (Highest to Lowest)

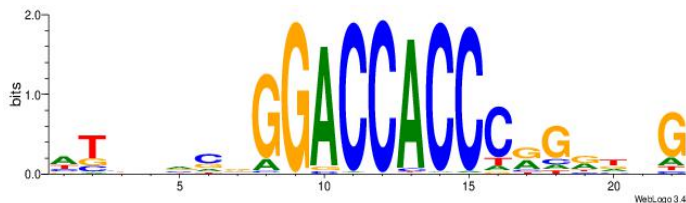
Motif ID: [UP00539](#)
 Motif name: Gli2_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 16
 Similarity score: 0.0270313

Alignment:

HTBVVVDGGACCACCCRGRDBG
 ----CYWGGKCTACMCAGRG--

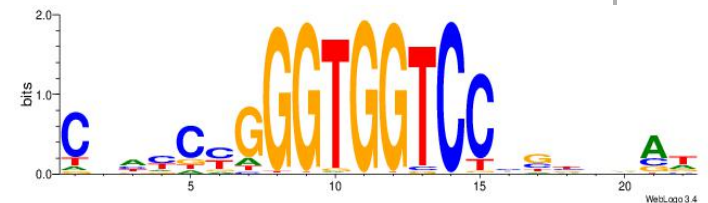
Original motif

Consensus sequence: HTBVVVDGGACCACCCRGRDBG



Reverse complement motif

Consensus sequence: CBDMCMGGGTGGTCCHVBVBAH



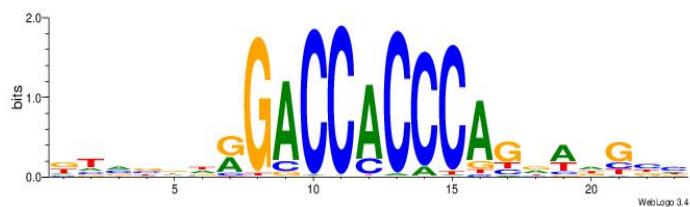
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 16
 Similarity score: 0.029263

Alignment:

DTVBDDRGACCA¹CCAGDWDGBH
 ---CYWGGKCTACMCAGRG-----

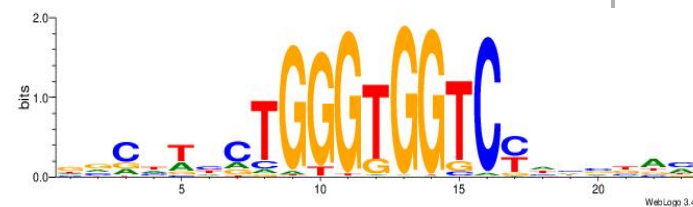
Original motif

Consensus sequence: DTVBDDRGACCA¹CCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH

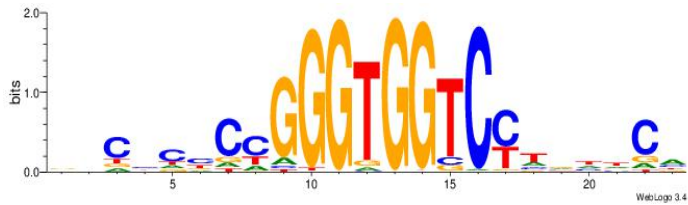


Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5

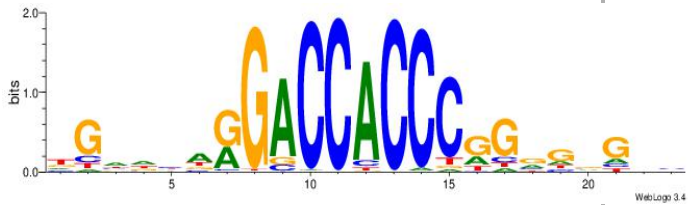
Number of overlap: 16
Similarity score: 0.0296975

Alignment:
HGDHVVHKGACCACCCGGBGBGDB
---CYWGGKCTACMCAGRG----

Original motif
Consensus sequence: BHCBCBCCGGGTGGTCYHVDCH



Reverse complement motif
Consensus sequence: HGDHVVHKGACCACCCGGBGBGDB



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: 3
Number of overlap: 16
Similarity score: 0.0322159

Alignment:
HDGHHBHRGACCACCCGSVDVG
----CYWGGKCTACMCAGRG--

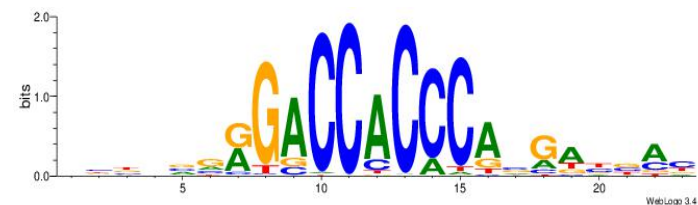
Original motif

Reverse complement motif

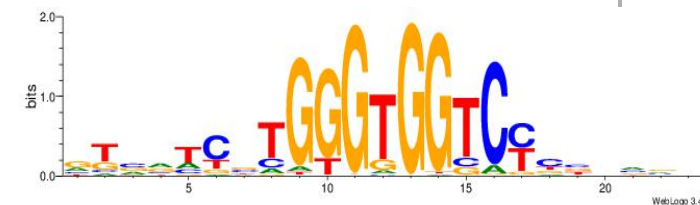
Alignment:

```
BBBDVVRGACCACCCAVGABBAB
---CYWGGKCTACMCAGRG----
```

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



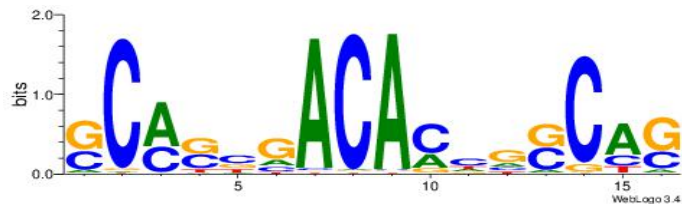
Consensus sequence: BTBVCVTGGGTGGTCMVVDVBB



Dataset #: 1 **Motif ID: 148** **Motif name: C148**

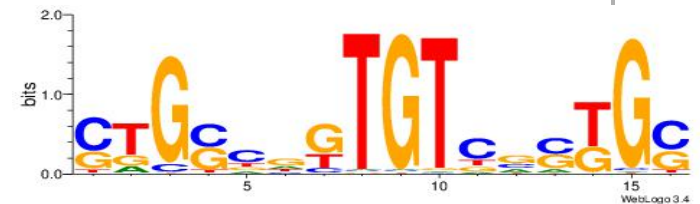
Original motif

Consensus sequence: SCMSBGACACHGSCAS



Reverse complement motif

Consensus sequence: STGSCDGTGTCBSYGS



Best Matches for Motif ID 148 (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:	Forward
Position number:	1
Number of overlap:	16
Similarity score:	0.0245227

Alignment:

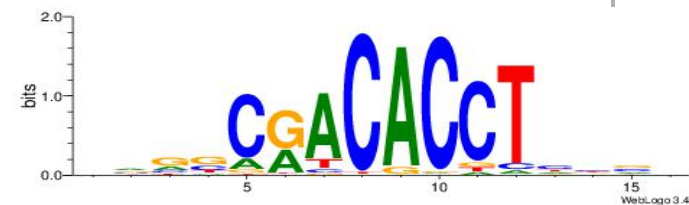
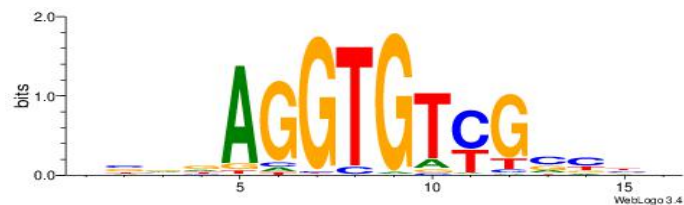
VBVDAGGTGTYGVBBV
STGSCDGTGTCBSYGS

Original motif

Consensus sequence: VBVDAGGTGTYGVBBV

Reverse complement motif

Consensus sequence: VVBVCKACACCTHVBV

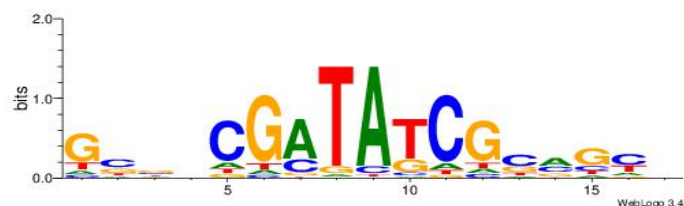


Motif ID: [UP00100](#)
 Motif name: Gata6_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 16
 Similarity score: 0.0325938

Alignment:
 HKCBSCGATATCGVBBC
 -STGSCDGTGTCBSYGS

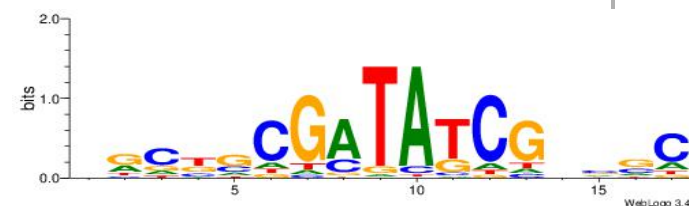
Original motif

Consensus sequence: GBBVCGATATCGSVGYD



Reverse complement motif

Consensus sequence: HKCBSCGATATCGVBBC



Motif ID: [UP00042](#)

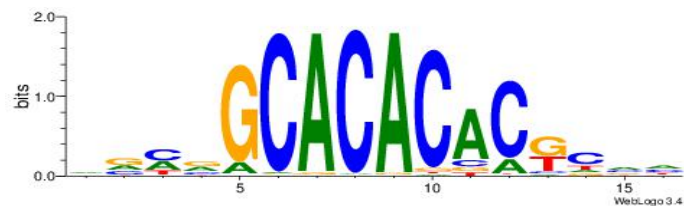
Motif name: Gm397_second
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0369917

Alignment:

DVMVGCACACACKCVH
 SCMSBGACACHGSCAS

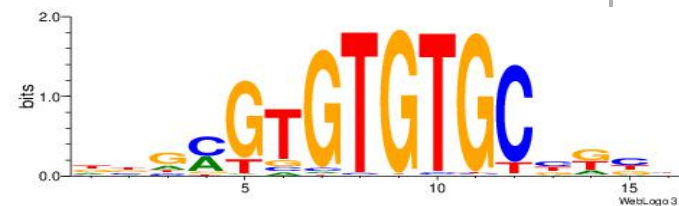
Original motif

Consensus sequence: DVMVGCACACACKCVH



Reverse complement motif

Consensus sequence: HBGYGTGTGTGCVRVD



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: Backward
 Position number: 1
 Number of overlap: 16

Similarity score: 0.0372098

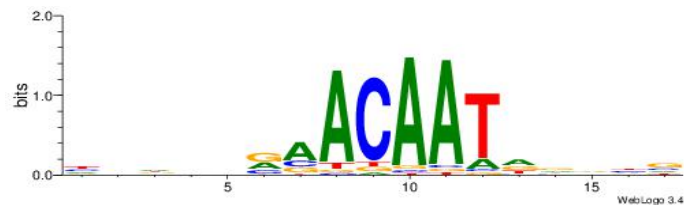
Alignment:

HHDDRAACAATDDVHV

-SCMSBGACACHGSCAS

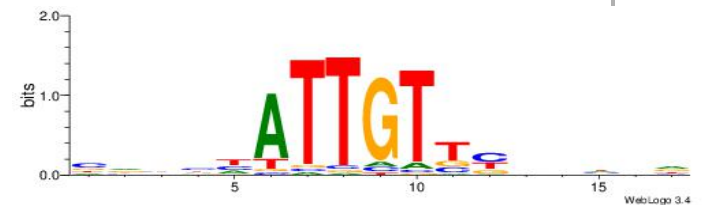
Original motif

Consensus sequence: HHDDRAACAATDDVHV



Reverse complement motif

Consensus sequence: VHVHDATTGTTMHDDDH



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: 1
Number of overlap: 16
Similarity score: 0.037346

Alignment:

VVDBASACAAAGRADH

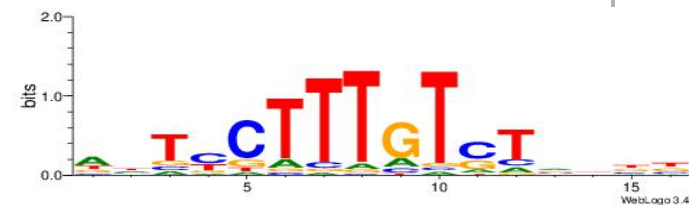
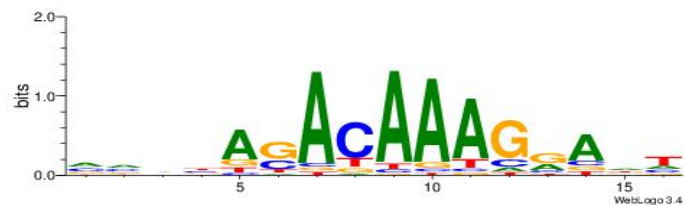
SCMSBGACACHGSCAS

Original motif

Consensus sequence: VVDBASACAAAGRADH

Reverse complement motif

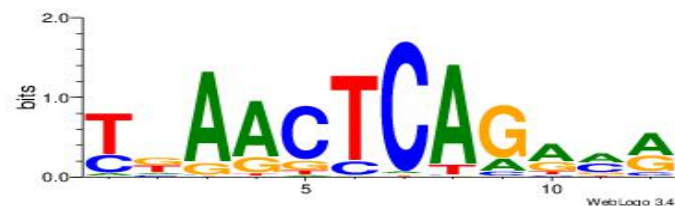
Consensus sequence: HDTMCTTTGTSTVDBB



Dataset #: 1 Motif ID: 149 Motif name: C149

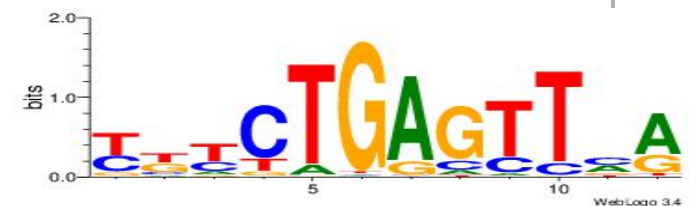
Original motif

Consensus sequence: TKAACTCAGRMR



Reverse complement motif

Consensus sequence: KYKCTGAGTTYA



Best Matches for Motif ID 149 (Highest to Lowest)

Motif ID:	UP00148
Motif name:	Hdx
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	12
Similarity score:	0.0197225

Alignment:

BDBDHTGATTTC DHYDD
-KYKCTGAGTTYA----

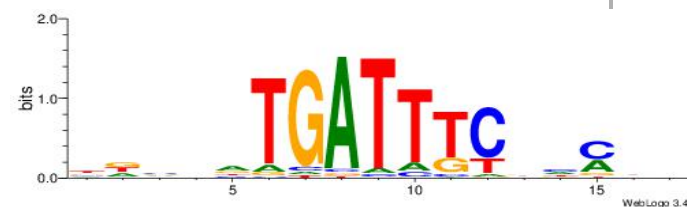
Original motif

Consensus sequence: DDKDHGAAATCAHHBHV



Reverse complement motif

Consensus sequence: BDBDHTGATTTC DHYDD



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: Forward
Position number: 1
Number of overlap: 12
Similarity score: 0.0267132

Alignment:

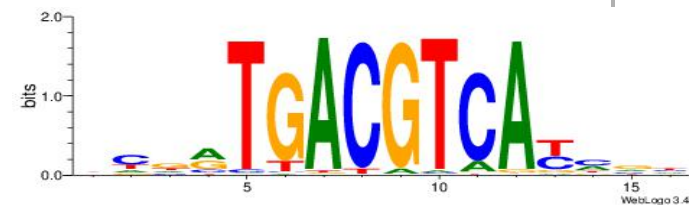
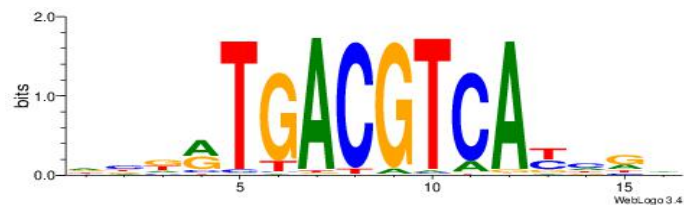
DMDMTGACGTCAKHBD
KYKCTGAGTTYA----

Original motif

Consensus sequence: DBDRTGACGTCA YHRD

Reverse complement motif

Consensus sequence: DMDMTGACGTCA KHBD

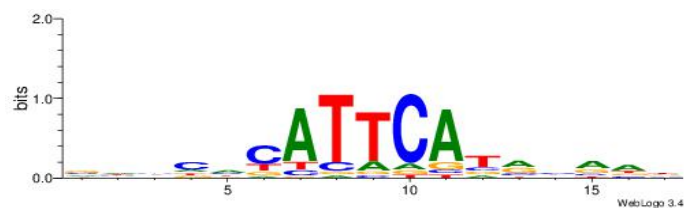


Motif ID: [UP00014](#)
 Motif name: Sox17_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 12
 Similarity score: 0.0270855

Alignment:
 DDBDKATGAATGHDBHV
 --KYKCTGAGTTYA---

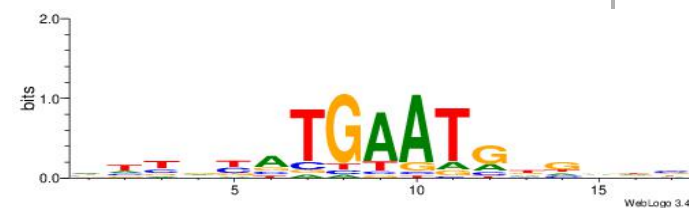
Original motif

Consensus sequence: VHBHHCATTCATRHVDD



Reverse complement motif

Consensus sequence: DDBDKATGAATGHDBHV



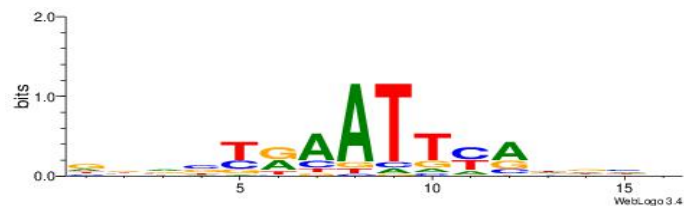
Motif ID: [UP00064](#)

Motif name: Sox18_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0271199

Alignment:
 DBVBTRAATTYADDHV
 KYKCTGAGTTYA----

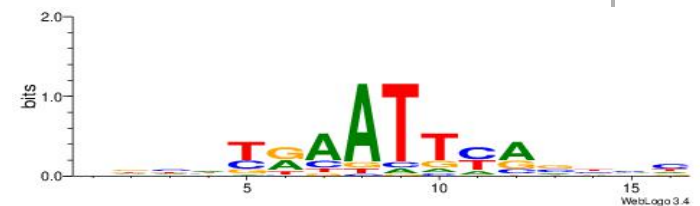
Original motif

Consensus sequence: DBVBTRAATTYADDHV



Reverse complement motif

Consensus sequence: VDHDTKAATTMABBBH

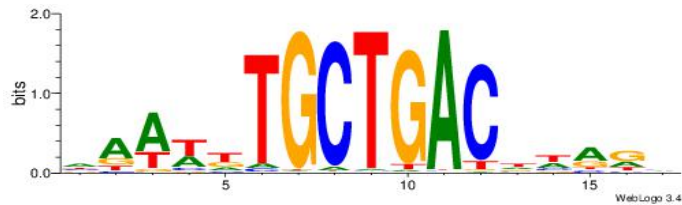


Motif ID: [UP00045](#)
 Motif name: Mafb_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 12

Similarity score: 0.0301995

Alignment:
DMTWDGTCAGCADWTTH
-TKAACTCAGRMR-----

Original motif
Consensus sequence: HAAWDTGCTGACDWARH

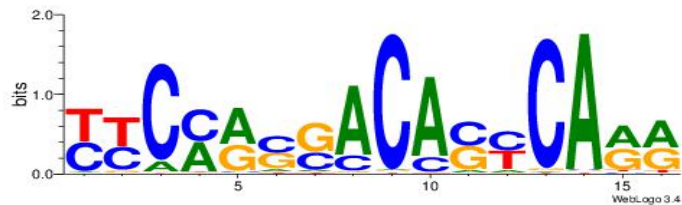


Reverse complement motif
Consensus sequence: DMTWDGTCAGCADWTTH

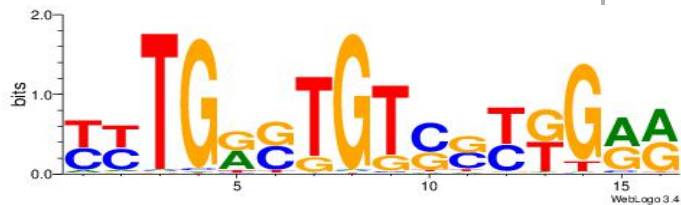


Dataset #: 1 Motif ID: 150 Motif name: C150

Original motif
Consensus sequence: YYCMRSSACASYCARR



Reverse complement motif
Consensus sequence: KKTGKSTGTSSKRGMM



Best Matches for Motif ID 150 (Highest to Lowest)

Motif ID: [UP00540](#)
Motif name: Gli3_v015681_primary
Species: Mus musculus
Matching format of first motif: Original Motif

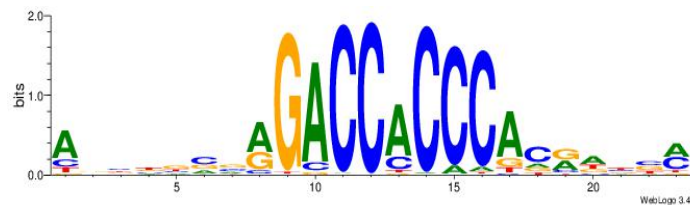
Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 16
 Similarity score: 0.022327

Alignment:

ABBBBVVRGACCACCCACRDBBM
 ---YYCMRSSACASYCARR----

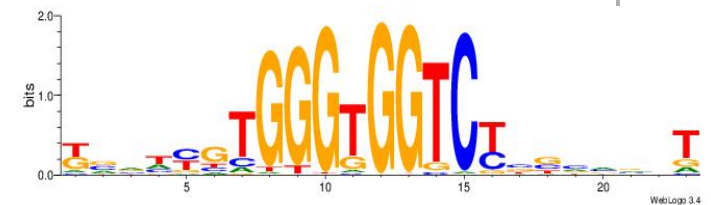
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

Consensus sequence: YBVDMSGTGGGTGGTCKVVBVBT



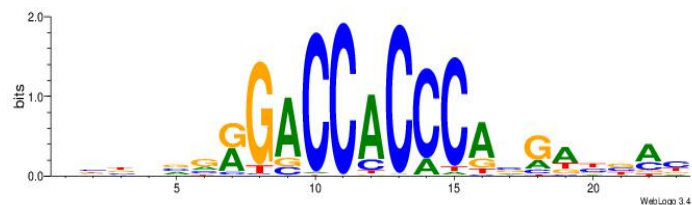
Motif ID: [UP00538](#)
 Motif name: Gli1_v015681_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 16
 Similarity score: 0.0227877

Alignment:

BBBDVVRGACCACCCAVGABBAB
--YYCMRSSACASYCARR-----

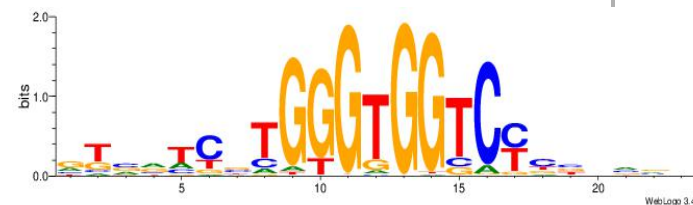
Original motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Reverse complement motif

Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



Motif ID:	UP00540
Motif name:	Gli3_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	16
Similarity score:	0.0235838

Alignment:

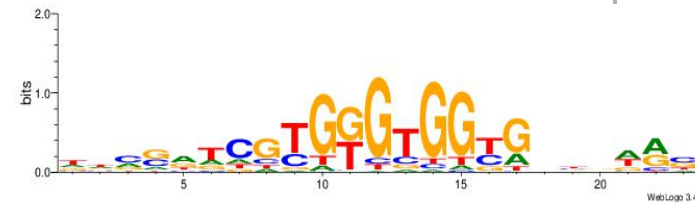
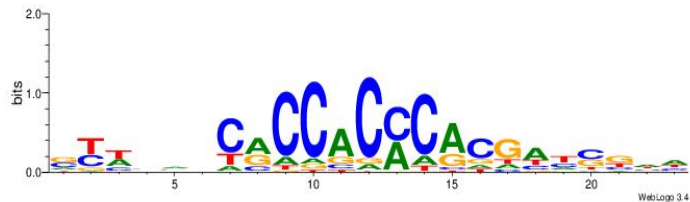
VYWVVHCRCCACMCACGAHSBHH
-YYCMRSSACASYCARR-----

Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



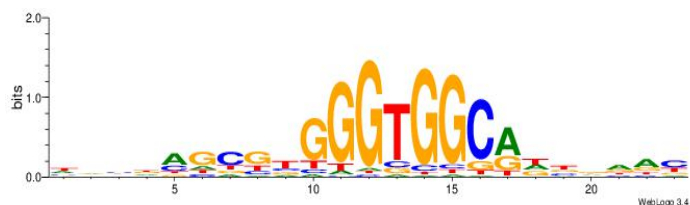
Motif ID: [UP00538](#)
 Motif name: Gli1_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 16
 Similarity score: 0.0250268

Alignment:

BDDHVDKGCCACCCVCGCTDBVH
 -YYCMRSSACASYCARR-----

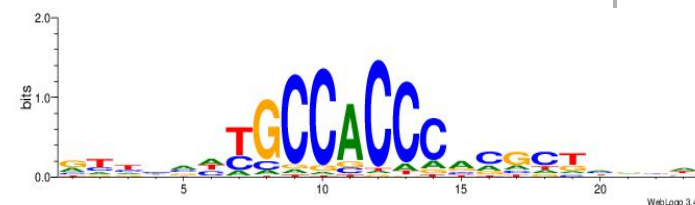
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID: [UP00539](#)

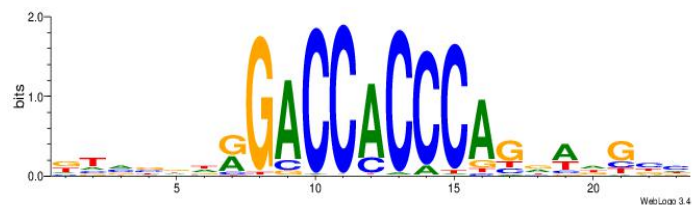
Motif name: Gli2_v016060_primary
 Species: Mus musculus
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 16
 Similarity score: 0.0265224

Alignment:

DTVBDDRGACCACCCAGDWDGBH
 --YYCMRSSACASYCARR-----

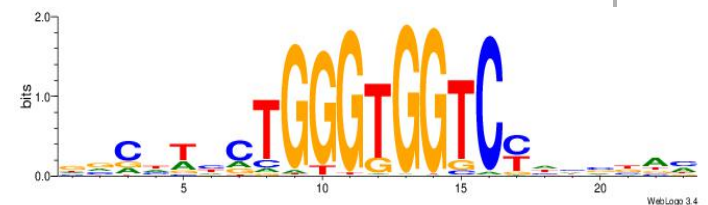
Original motif

Consensus sequence: DTVBDDRGACCACCCAGDWDGBH



Reverse complement motif

Consensus sequence: DBCDWHCTGGGTGGTCMDHBBAH



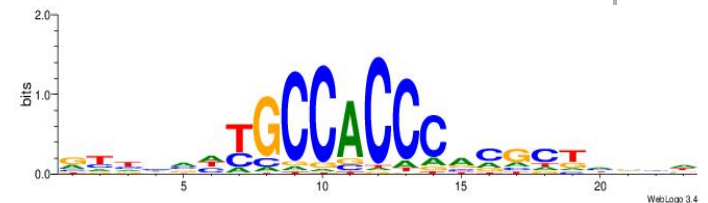
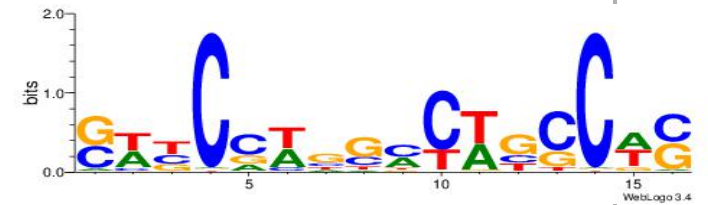
Dataset #: 1 Motif ID: 151 Motif name: C151

Original motif

Consensus sequence: SWGGCWGKCCWGGVWS

Reverse complement motif

Consensus sequence: SWBCCWGGYCWGCCWS



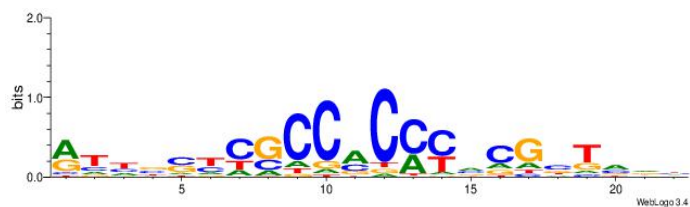
Motif ID: [UP00539](#)
 Motif name: Gli2_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.0288558

Alignment:

RTHBSYCGCCMCMYVCGBTVDH
 SWBCCWGGYCWGCCWS-----

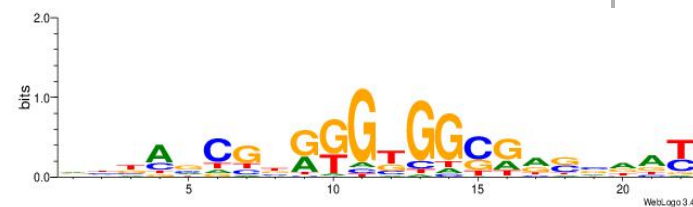
Original motif

Consensus sequence: RTHBSYCGCCMCMYVCGBTVDH



Reverse complement motif

Consensus sequence: HDBABCGBKRGYGGCGMSBHAK

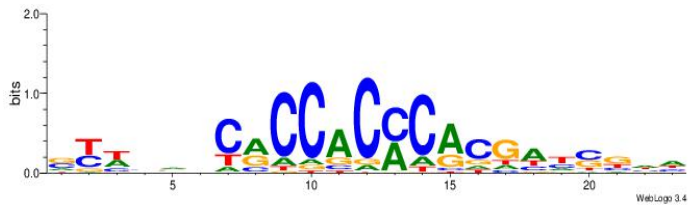


Motif ID: [UP00540](#)
 Motif name: Gli3_v016060_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 8

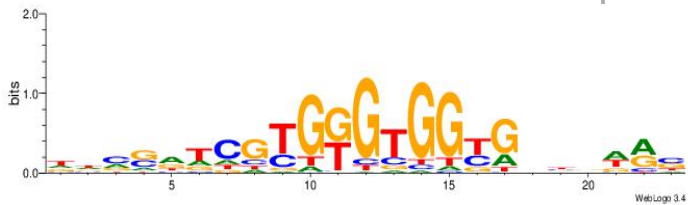
Number of overlap: 16
Similarity score: 0.0368282

Alignment:
VYWVVHCRCCACMCACGAHSBHH
SWBCCWGGYCWGCCWS-----

Original motif
Consensus sequence: VYWVVHCRCCACMCACGAHSBHH



Reverse complement motif
Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV

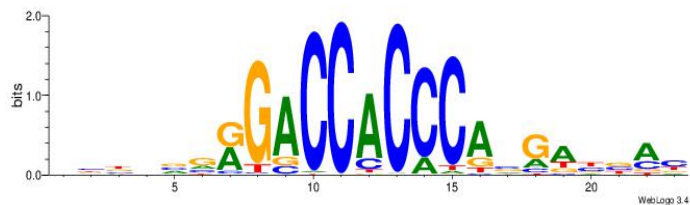


Motif ID: [UP00538](#)
Motif name: Gli1_v015681_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 7
Number of overlap: 16
Similarity score: 0.0424675

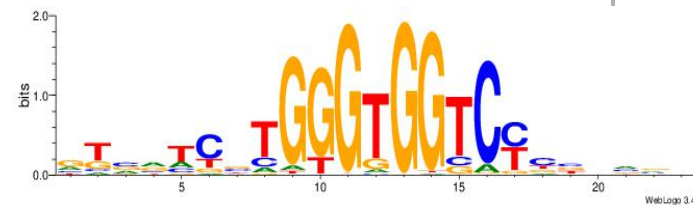
Alignment:
BBBDVVRGACCACCAVGABBAB
-SWBCCWGGYCWGCCWS-----

Original motif Reverse complement motif

Consensus sequence: BBBDVVRGACCACCCAVGABBAB



Consensus sequence: BTBVTCTVGGGTGGTCMVVDVBB



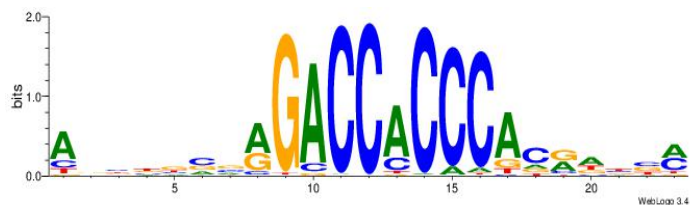
Motif ID: [UP00540](#)
Motif name: Gli3_v015681_primary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 16
Similarity score: 0.04298

Alignment:

ABBBBVVRGACCACCCACRDBBM
--SWBCCWGGYCWGCCWS-----

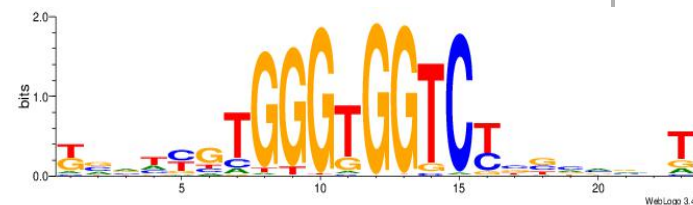
Original motif

Consensus sequence: ABBBBVVRGACCACCCACRDBBM



Reverse complement motif

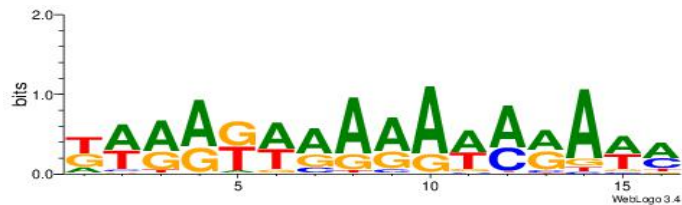
Consensus sequence: YBVDMGTGGGTGGTCKVVBVBBT



Dataset #: 1 Motif ID: 152 Motif name: C152

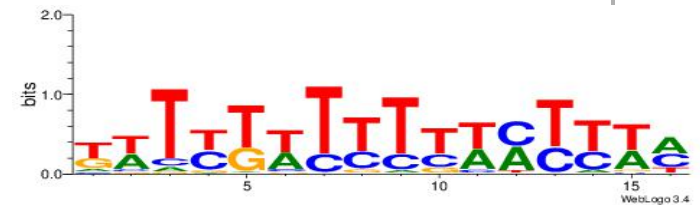
Original motif

Consensus sequence: KWRRKWRARAWMRAWM



Reverse complement motif

Consensus sequence: YWTKYWTCTKWYKKWR



Best Matches for Motif ID 152 (Highest to Lowest)

Motif ID:	UP00077
Motif name:	Srf_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	16
Similarity score:	0.0218448

Alignment:

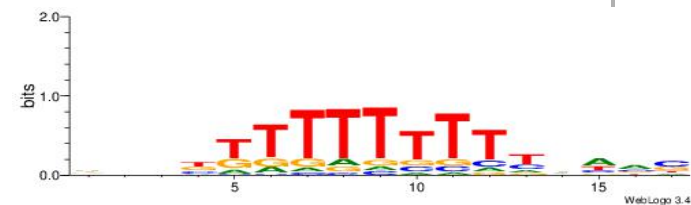
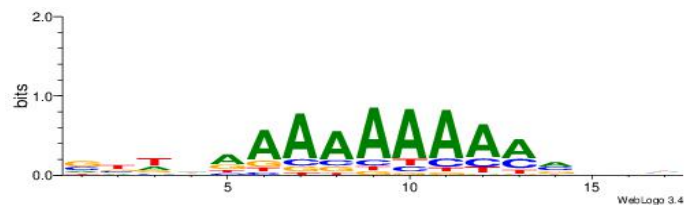
```
HHVBYTTTTTTTTDDVV
YWTKYWTCTKWYKKWR-
```

Original motif

Consensus sequence: VBDDAAAAAAAAAMVBHH

Reverse complement motif

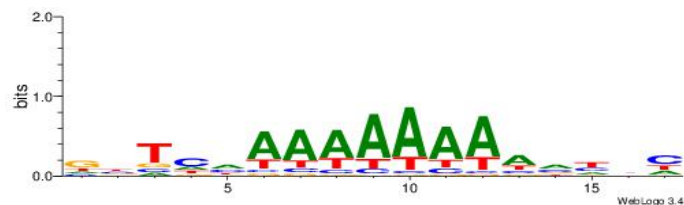
Consensus sequence: HHVBYTTTTTTTTDDVV



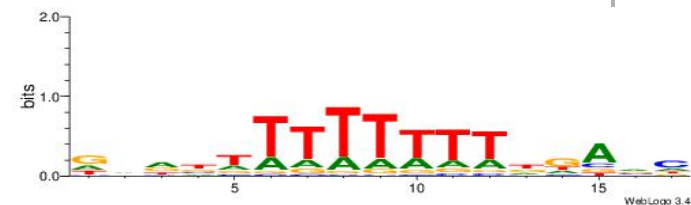
Motif ID: [UP00090](#)
 Motif name: Elf3_secondary
 Species: Mus musculus
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 16
 Similarity score: 0.038475

Alignment:
 DDHBT TTT TTT THDAVH
 -YWT KYWTK TKWYKKWR

Original motif
 Consensus sequence: DBTHHAAAAAAAAAVHDH



Reverse complement motif
 Consensus sequence: DDHBT TTT TTT THDAVH



Motif ID: [UP00051](#)
 Motif name: Sox8_primary

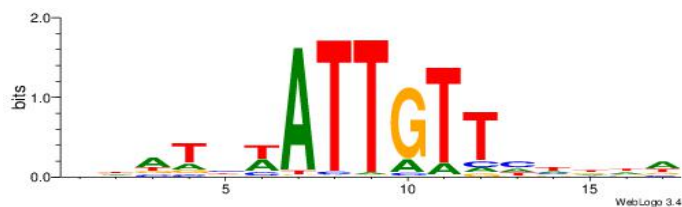
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	16
Similarity score:	0.0392698

Alignment:

```
DDATBWATTGTTHHDDD
-YWTKYWTKTKWYKKWR
```

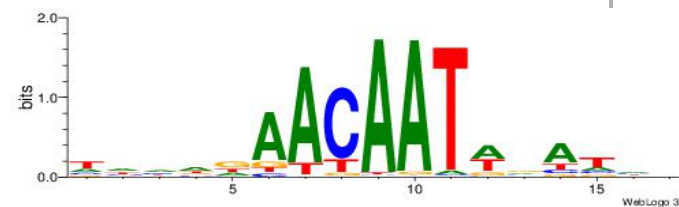
Original motif

Consensus sequence: DDATBWATTGTTHHDDD



Reverse complement motif

Consensus sequence: DDDHDAACAATWBATDD



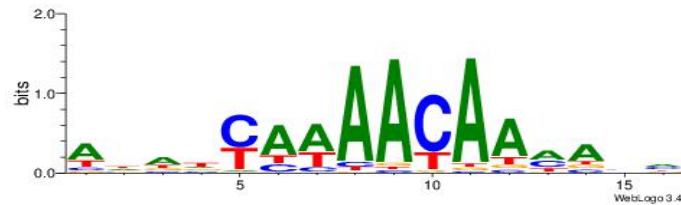
Motif ID:	UP00061
Motif name:	Foxl1_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	16
Similarity score:	0.0401556

Alignment:

HDTYTTGTTWTKDDDT
YWTKYWTKTKWYKKWR

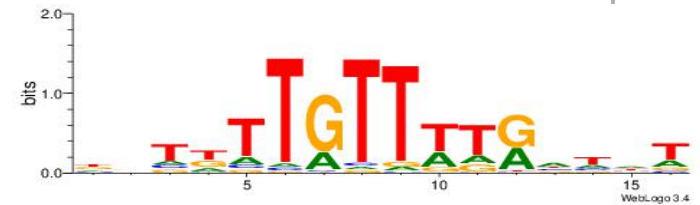
Original motif

Consensus sequence: ADDDYAWAACAAMAHH



Reverse complement motif

Consensus sequence: HDTYTTGTTWTKDDDT



Motif ID:	UP00255
Motif name:	Dbx1
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:	0.0410382

Alignment:

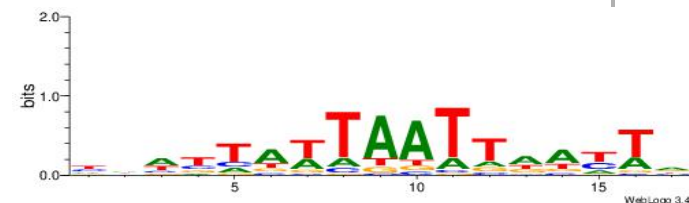
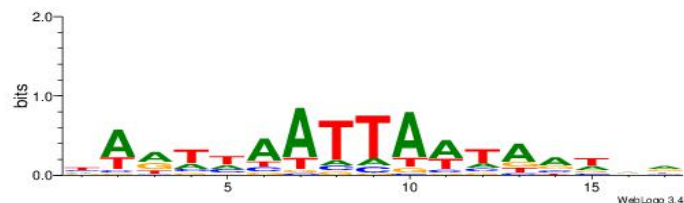
HARTHAATTAWTAVDHD
KRRRKWRARAWMRAWM-

Original motif

Consensus sequence: HARTHAATTAWTAVDHD

Reverse complement motif

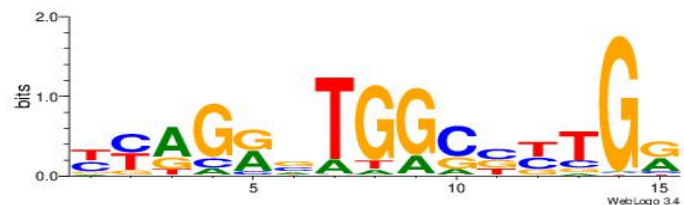
Consensus sequence: DHDBTAWTAATTHAKTH



Dataset #: 1 Motif ID: 153 Motif name: C153

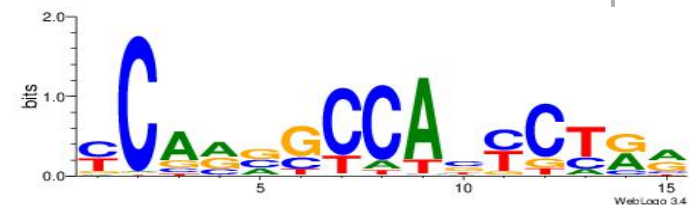
Original motif

Consensus sequence: YYAGRVTGGCBYTG



Reverse complement motif

Consensus sequence: MCAMBGCCAVMCTKM



Best Matches for Motif ID 153 (Highest to Lowest)

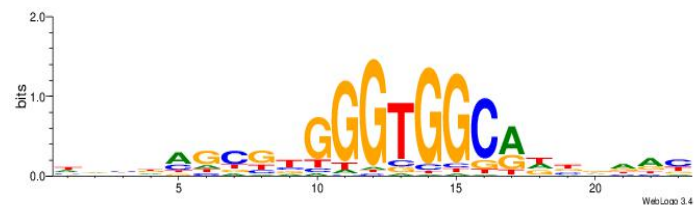
Motif ID:	UP00538
Motif name:	Gli1_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	7
Number of overlap:	15
Similarity score:	0.0398267

Alignment:

HVBDAGCGBGGGTGGCRDBDDDB
 -----YYAGRVTTGGCBYTGR--

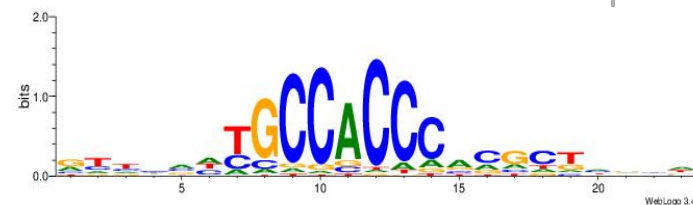
Original motif

Consensus sequence: HVBDAGCGBGGGTGGCRDBDDDB



Reverse complement motif

Consensus sequence: BDDHVDKGCCACCCVCGCTDBVH



Motif ID:	UP00540
Motif name:	Gli3_v016060_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3
Number of overlap:	15
Similarity score:	0.0410774

Alignment:

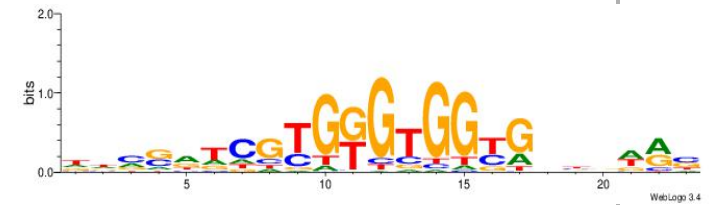
VYWVVHCRCCACMCACGAHSBHH
 --MCAMBGCCAVMCTKM-----

Original motif

Consensus sequence: VYWVVHCRCCACMCACGAHSBHH

Reverse complement motif

Consensus sequence: HHBSHTCGTGRGTGGKGDBVWMV



Page 643 of 645

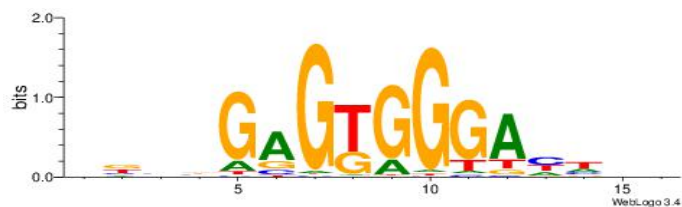
Species: Mus musculus
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 15
Similarity score: 0.0460502

Alignment:

BBHBGAGTGGGAHHDB
-YYAGRVTTGGCBYTGR

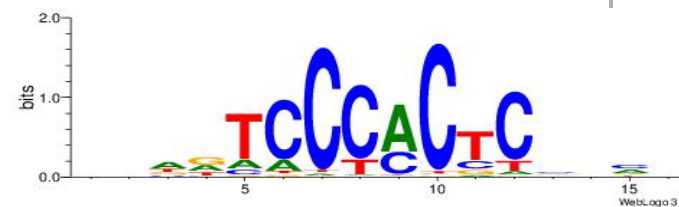
Original motif

Consensus sequence: BBHBGAGTGGGAHHDB



Reverse complement motif

Consensus sequence: BHHDTCCTCACTCBDBV



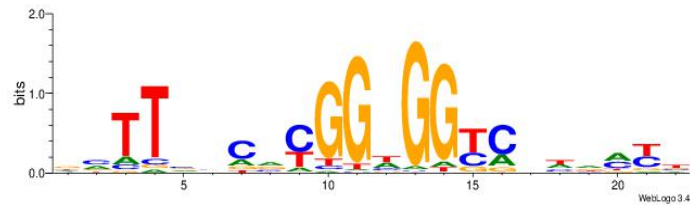
Motif ID: [UP00540](#)
Motif name: Gli3_v015681_secondary
Species: Mus musculus
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 15
Similarity score: 0.0461303

Alignment:

VMYDHDGMCCHCCKBGVVAHVH
-MCAMBGCCAVMCTKM-----

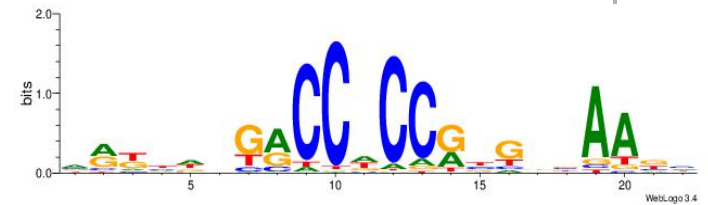
Original motif

Consensus sequence: DVTTVVCVYGGHGGYCHHDMYB



Reverse complement motif

Consensus sequence: VMYDHDGMCCHCCKBGVVAHVH



Results created by MOTIFSIM on 11-19-2016 22:04:18

Runtime: 1193.59 seconds

MOTIFSIM is written by Ngoc Tam L. Tran

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