



MOTIFSIM - MOTIF SIMilarity Detection Tool

Version 2.0

INPUT

Input Parameters		
Number of files:	5	
Number of top significant motifs:	10	
Number of best matches:	10	
Similarity cutoff >=	0.75	
Output file type:	All	
Output file format:	All	
Input files and motif counts		
File name	Count of motifs	Dataset number
DREME_DM230.txt	1	1
MEME_DM230.txt	20	2
PScanChIP_DM230.txt	14	3
RSAT_peak-motifs_DM230.txt	10	4
W-ChIPMotifs_DM230.txt	11	5

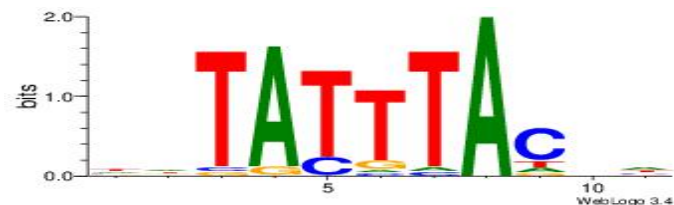
RESULTS

Top 10 Significant Motifs - Global Matching (Highest to Lowest)		
Dataset #: 4	Motif ID: 45	Motif name: wbgTAAATAww

Original motif Consensus sequence: DBGTAAATAHD



Reverse complement motif Consensus sequence: DHTATTTACBD



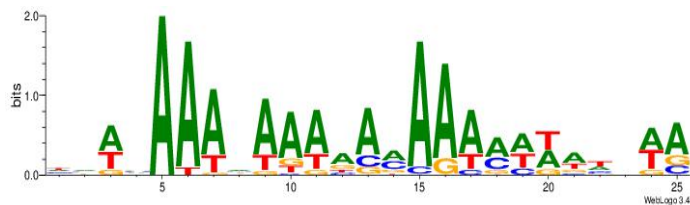
Best Matches for Top Significant Motif ID 45 (Highest to Lowest)

Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 15
 Number of overlap: 11
 Similarity score: 0.0192768

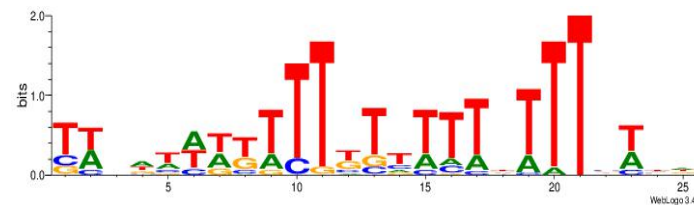
Alignment:

```
TWVHWWWYTTTTYTTTTTHTTTVWBH
-----DHTATTTACBD
```

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
 TWVHWWWYTTTTYTTTTTHTTTVWBH

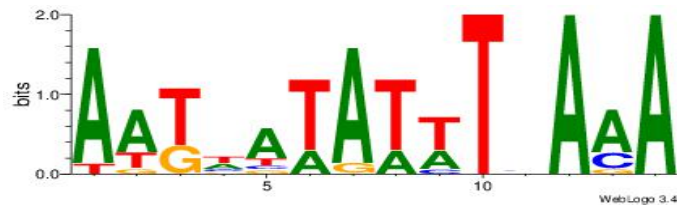


Dataset #: 2
 Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0250541

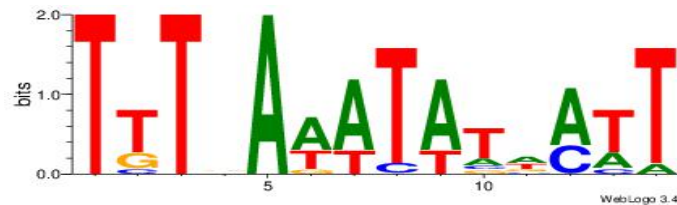
Alignment:

AATHATATWTHAAA
 DHTATTTACBD---

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1

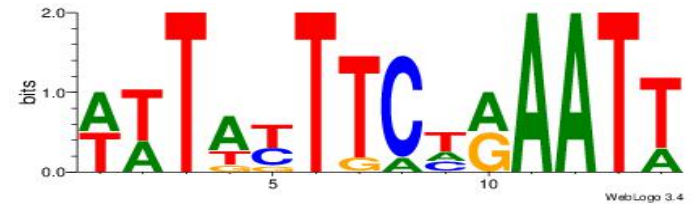
Number of overlap: 11
 Similarity score: 0.027895

Alignment:
 AATTYDGAARTAWW
 ---DBGTAAATAHD

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAAT

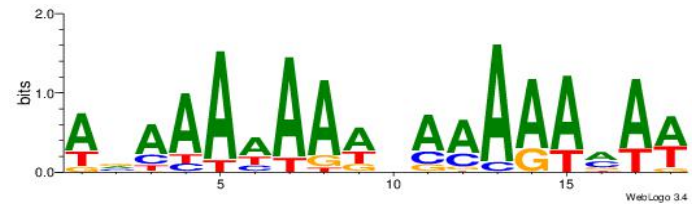
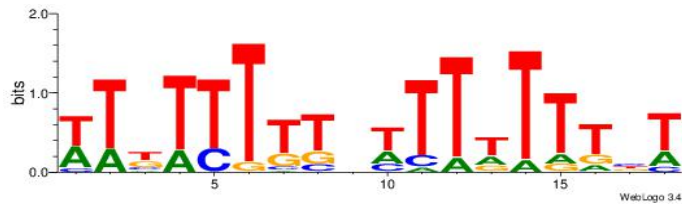


Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0283217

Alignment:
 ABAAAAAWhAAAAARAW
 DBGTAATAHD-----

Original motif Consensus sequence: WTKTTTTTHWTTTTTBT

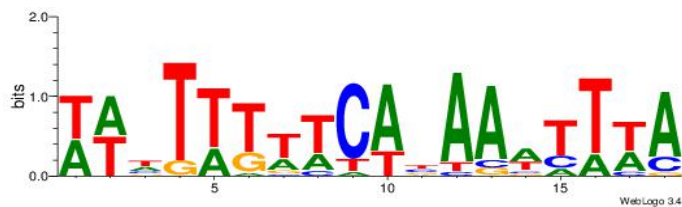
Reverse complement motif Consensus sequence:
 ABAAAAAWhAAAAARAW



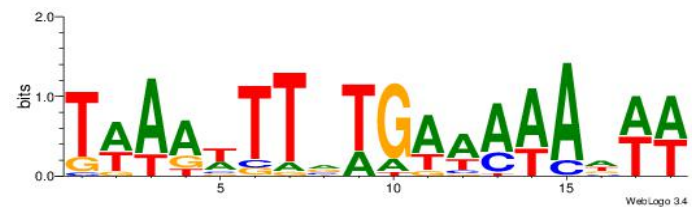
Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0308097

Alignment:
 TWAAWTTVTGAAAAHWW
 -----DBGTAATAHD-

Original motif Consensus sequence: WWHTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TWAAWTTVTGAAAAHWW



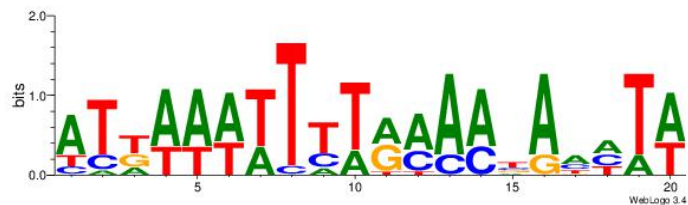
Dataset #: 5

Motif ID: 55
 Motif name: TFM13
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 11
 Similarity score: 0.0333874

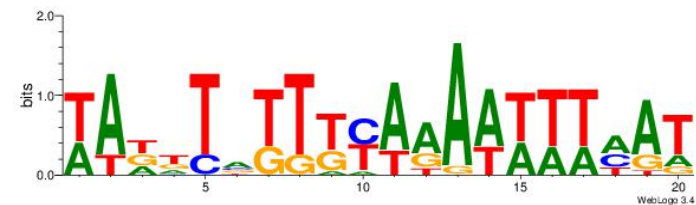
Alignment:

ATKAAWTTTTTRMAABAHHTW
 -----DBGTAAATAHD--

Original motif Consensus sequence: ATKAAWTTTTTRMAABAHHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT



Dataset #: 2
 Motif ID: 4
 Motif name: Motif 4
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11

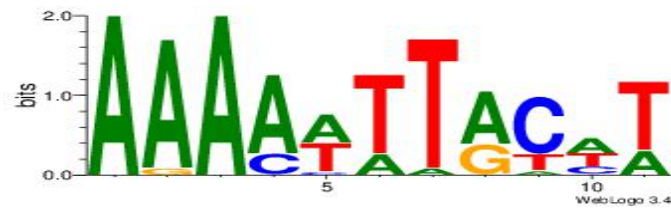
Similarity score: 0.0361187

Alignment:

AWGKAAWTTTT

DBGTAATAHD

Original motif Consensus sequence: AAAAWTTRCWT



Reverse complement motif Consensus sequence: AWGKAAWTTTT



Dataset #: 2
Motif ID: 3
Motif name: Motif 3
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0410381

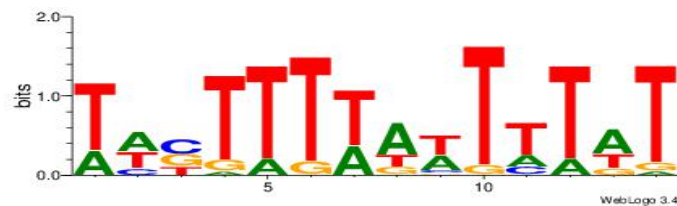
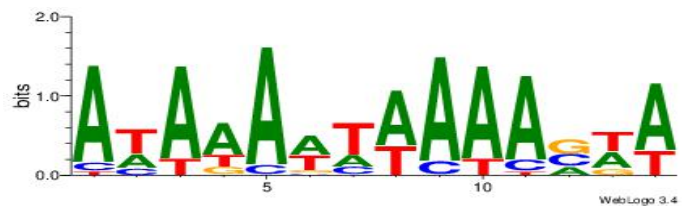
Alignment:

AWAAAWTWAAASWA

--DHTATTTACBD-

Original motif Consensus sequence: AWAAAWTWAAASWA

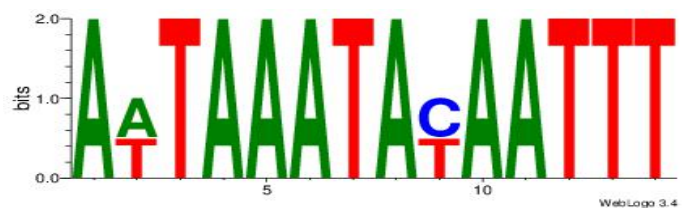
Reverse complement motif Consensus sequence: TWSTTTWAWTTTT



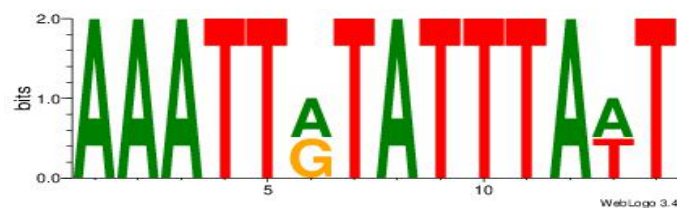
Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0477814

Alignment:
 AWTAAATAYAATTT
 ---DHTATTTACBD

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAA



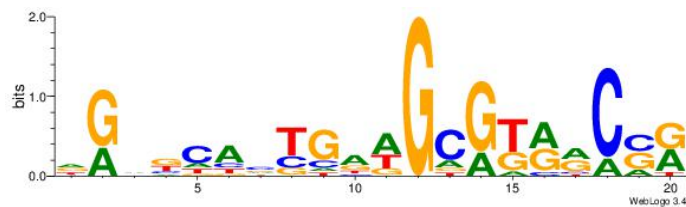
Dataset #: 3
 Motif ID: 31

Motif name: Pax5
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 10
 Number of overlap: 11
 Similarity score: 0.0512987

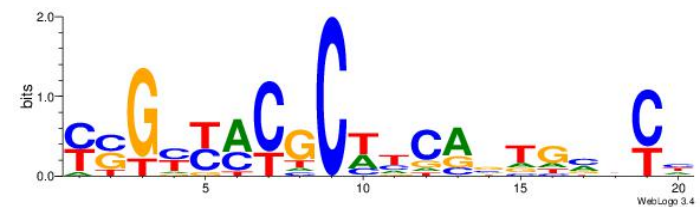
Alignment:

DGVBCABTGDWCGKRRCSR
 DBGTAATAHD-----

Original motif Consensus sequence: DGVBCABTGDWCGKRRCSR

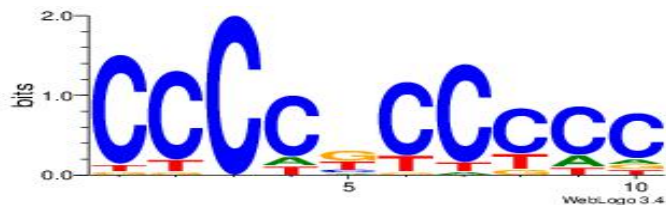


Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD

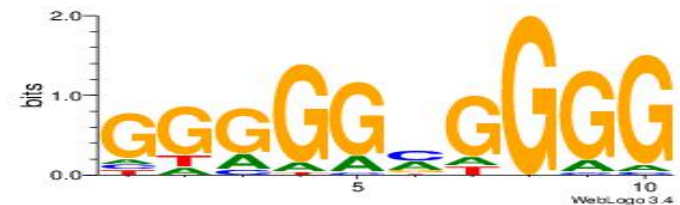


Dataset #: 3 Motif ID: 24 Motif name: SP1

Original motif Consensus sequence: CCCCKCCCC



Reverse complement motif Consensus sequence: GGGGYGGGG



Best Matches for Top Significant Motif ID 24 (Highest to Lowest)

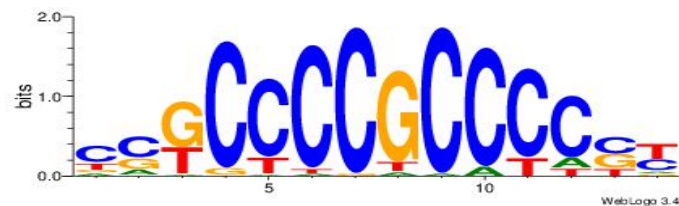
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.00451594

Alignment:

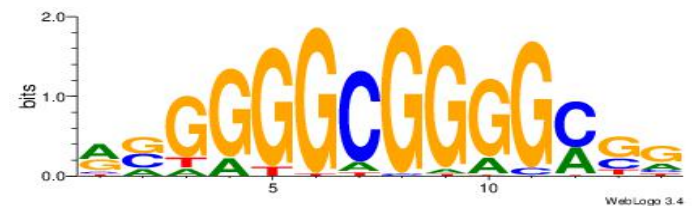
```

CSKCCCCGCCCCSY
---CCCKCCCC--
  
```

Original motif Consensus sequence: CSKCCCCGCCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGY

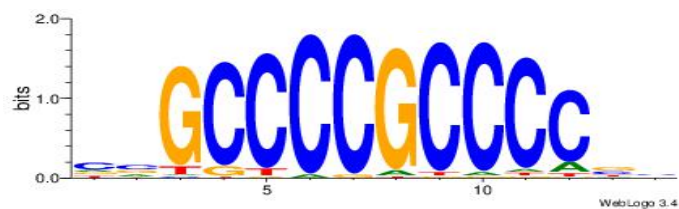


Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif

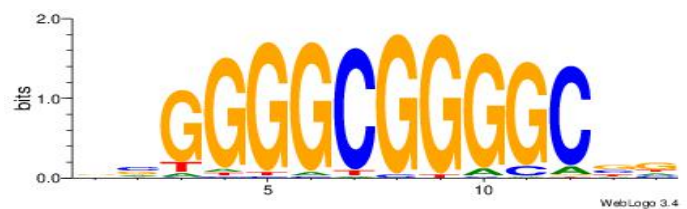
Direction: Forward
Position number: 4
Number of overlap: 10
Similarity score: 0.00965796

Alignment:
HVGCCCGCCCCBB
---CCCKCCCC-

Original motif Consensus sequence: HVGCCCGCCCCBB



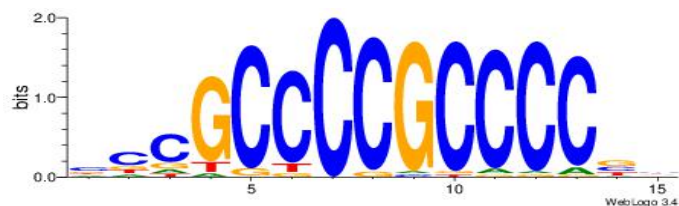
Reverse complement motif Consensus sequence: BBGGGGCGGGGC



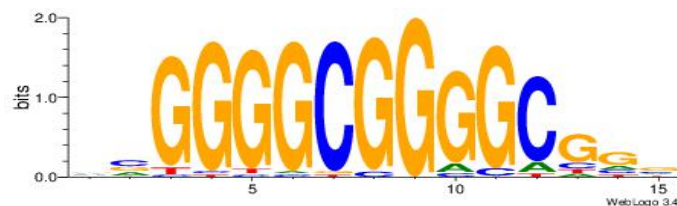
Dataset #: 4
Motif ID: 38
Motif name: cccGCCCCGCCCCsb
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 10
Similarity score: 0.0127292

Alignment:
BCCGCCCCGCCCCBB
----CCCKCCCC-

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

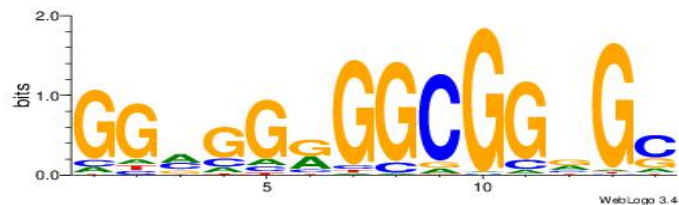


Dataset #: 5
Motif ID: 50
Motif name: TFF11
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 10
Similarity score: 0.0174405

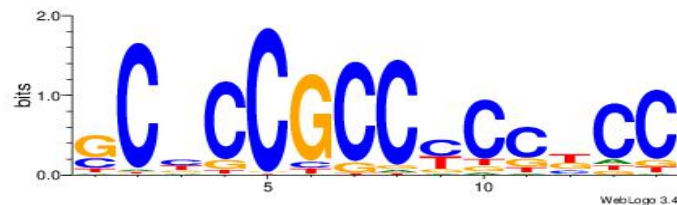
Alignment:

GGMGRRGGCGGVGC
---GGGGYGGGG---

Original motif Consensus sequence: GGMGRRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCY

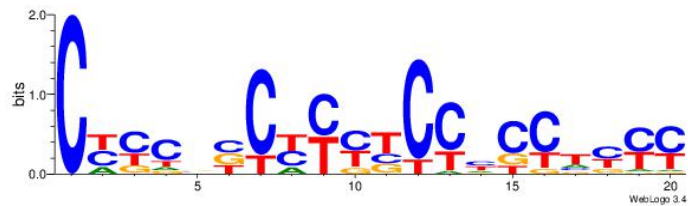


Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0301548

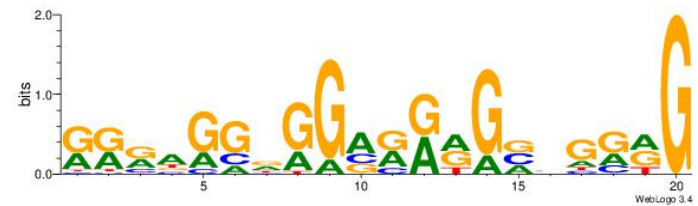
Alignment:

CYYCBBCYYTTCCHCCTYYY
 -----CCCCKCCCC-----

Original motif Consensus sequence: CYYCBBCYYTTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG

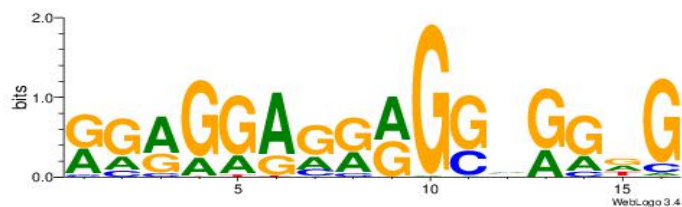


Dataset #: 5
 Motif ID: 51
 Motif name: TFM2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1

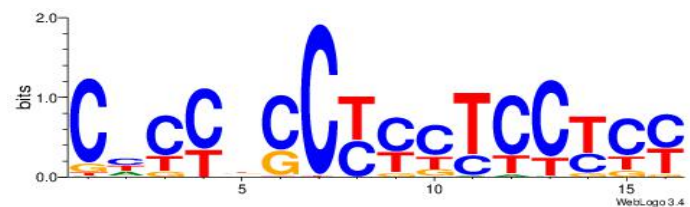
Number of overlap: 10
Similarity score: 0.0329167

Alignment:
RGRGGAGRRGGHGGDG
-----GGGGGYGGGG

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence:
CHCCBCKMCTCKCKM

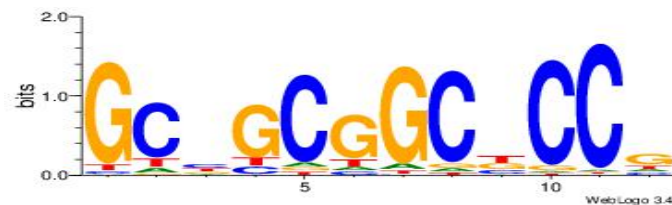
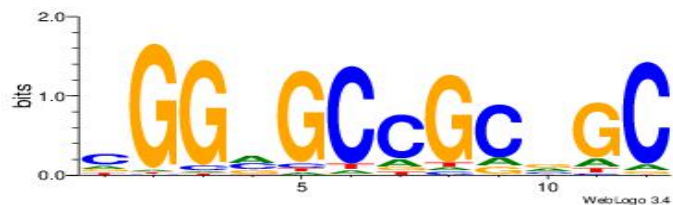


Dataset #: 5
Motif ID: 49
Motif name: TFF1
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 10
Similarity score: 0.0557738

Alignment:
GCVGCGGCBCCG
-CCCCKCCCC-

Original motif Consensus sequence: CGVGCCGCVGC

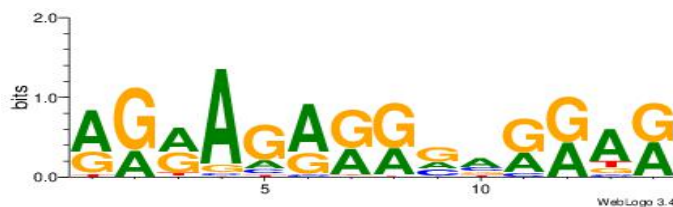
Reverse complement motif Consensus sequence: GCVGCGGCBCCG



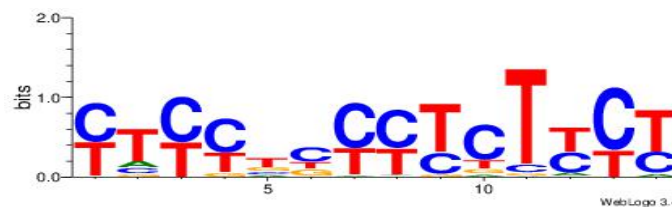
Dataset #: 2
 Motif ID: 2
 Motif name: Motif 2
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0648214

Alignment:
 MTMMTCMMTCTKCK
 ----CCCCKCCCC

Original motif Consensus sequence: RGRAGARRGARRAR



Reverse complement motif Consensus sequence: MTMMTCMMTCTKCK



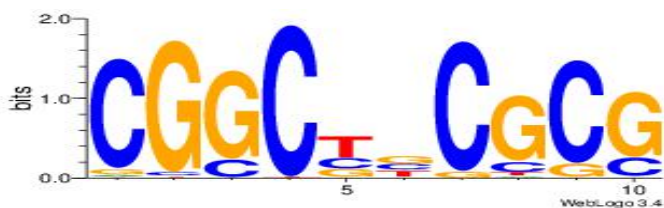
Dataset #: 5
 Motif ID: 48

Motif name: TFW3
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0762976

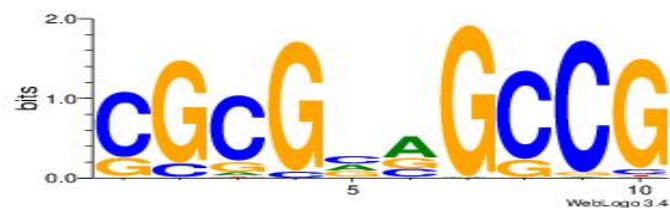
Alignment:

CGGCYBCGCG
 CCCCKCCCC

Original motif Consensus sequence: CGGCYBCGCG



Reverse complement motif Consensus sequence: CGCGBMGCCG



Dataset #: 4
 Motif ID: 40
 Motif name: kcACCTGCAGc
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0841987

Alignment:

GBTGCAGGTGB

GGGGYGGG-

Original motif Consensus sequence: BCACCTGCABC



Reverse complement motif Consensus sequence: GBTGCAGGTGB



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

Original motif Consensus sequence: YGCGTG



Reverse complement motif Consensus sequence: CACGCM



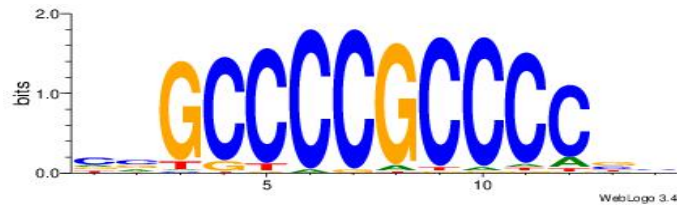
Best Matches for Top Significant Motif ID 32 (Highest to Lowest)

Dataset #:	4
Motif ID:	36
Motif name:	csGCCCCGCCCCsc
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	5

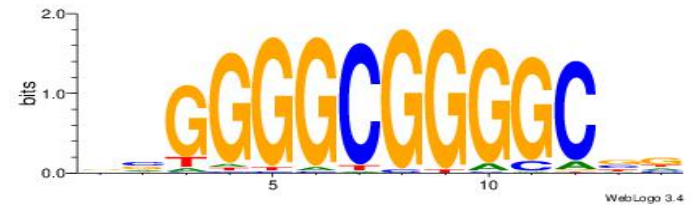
Number of overlap: 6
Similarity score: 0.0396403

Alignment:
HVGCCCCGCCCCBB
----CACGCM----

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC



Dataset #: 1
Motif ID: 1
Motif name: Motif 1
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 6
Similarity score: 0.040625

Alignment:
GCCCCGCC
--CACGCM

Original motif Consensus sequence: GCGGGGC

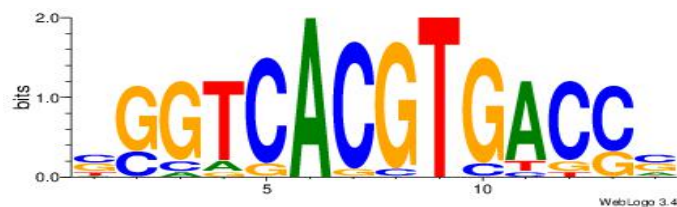
Reverse complement motif Consensus sequence: GCCCCGCC



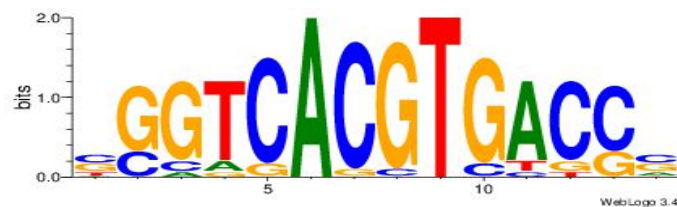
Dataset #: 4
 Motif ID: 42
 Motif name: sSGTCACGTGACCS
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 6
 Similarity score: 0.0412037

Alignment:
 SGGTCACGTGACCS
 ----YGCGTG----

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS

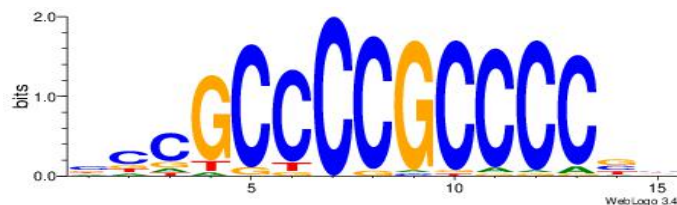


Dataset #: 4
 Motif ID: 38

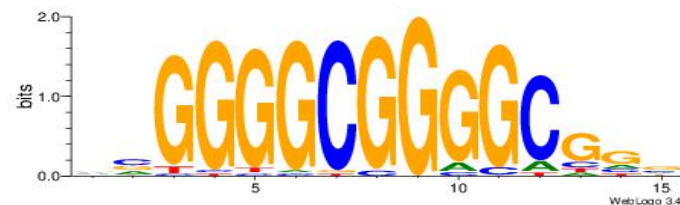
Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0425089

Alignment:
 BCCGCCCCGCCCCBB
 -----CACGCM-----

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

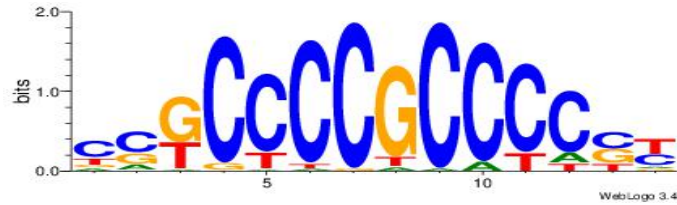


Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 6
 Similarity score: 0.0465867

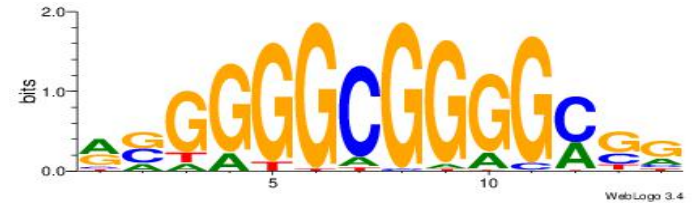
Alignment:

MSGGGGCGGGYSG
----YGCGTG----

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGY



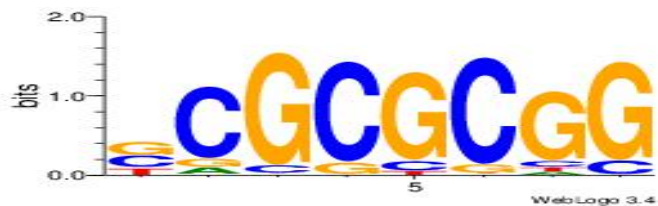
Dataset #: 5
Motif ID: 47
Motif name: TFW2
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 6
Similarity score: 0.0469722

Alignment:

SCGCGCGG
-YGCGTG-

Original motif Consensus sequence: SCGCGCGG

Reverse complement motif Consensus sequence: CCGCGCGS



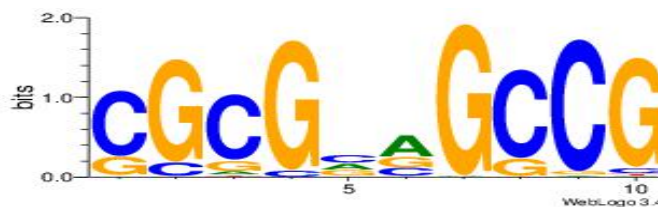
Dataset #: 5
 Motif ID: 48
 Motif name: TFW3
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 6
 Similarity score: 0.0586806

Alignment:
 CGGCYBCGCG
 ----YGCGTG

Original motif Consensus sequence: CGGCYBCGCG



Reverse complement motif Consensus sequence: CGCGBMGCCG

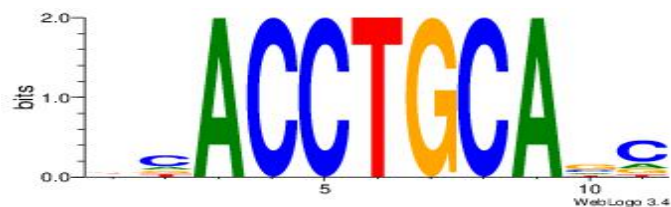


Dataset #: 4
 Motif ID: 40

Motif name: kcACCTGCAGc
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 6
 Similarity score: 0.0637286

Alignment:
 BCACCTGCABC
 -YGCGTG----

Original motif Consensus sequence: BCACCTGCABC



Reverse complement motif Consensus sequence: GBTGCAGGTGB

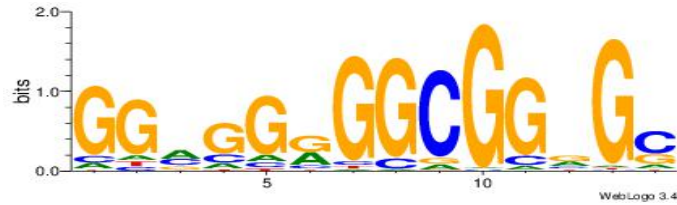


Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 6
 Similarity score: 0.066121

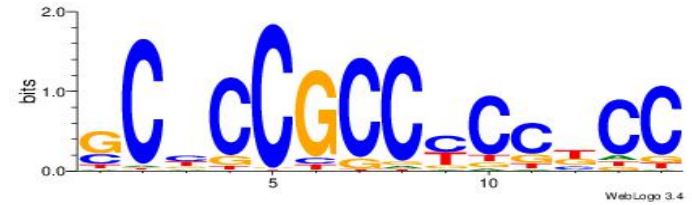
Alignment:

GCVCCGCCMCCYCC
--CACGCM-----

Original motif Consensus sequence: GGMGRRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC



Dataset #: 5
Motif ID: 46
Motif name: TFW1
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 6
Similarity score: 0.0756826

Alignment:

CGCGAC
CACGCM

Original motif Consensus sequence: GTCGCG

Reverse complement motif Consensus sequence: CGCGAC



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

Original motif Consensus sequence: GCGGGGC



Reverse complement motif Consensus sequence: GCCCGCC

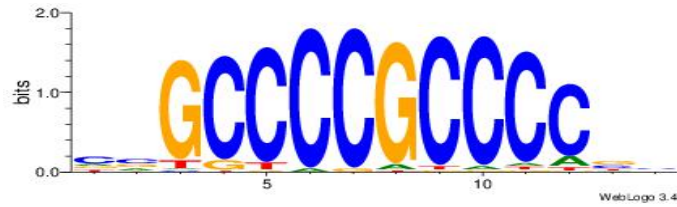


Best Matches for Top Significant Motif ID 1 (Highest to Lowest)

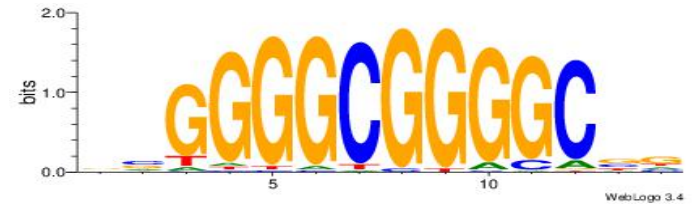
Dataset #:	4
Motif ID:	36
Motif name:	csGCCCCGCCCCsc
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	8
Similarity score:	0

Alignment:
HVGCCCCGCCCCBB
--GCCCGCC----

Original motif Consensus sequence: HVGCCCCGCCCCBB



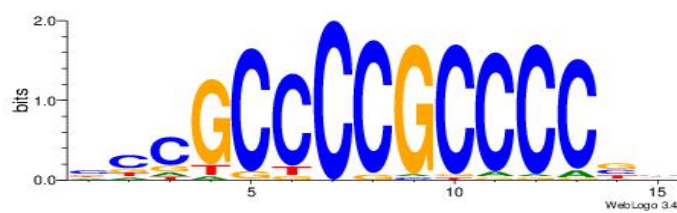
Reverse complement motif Consensus sequence: BBGGGGCGGGGC



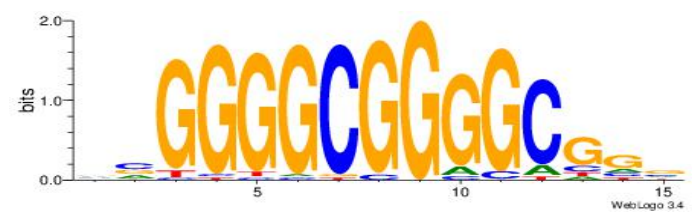
Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.00250079

Alignment:
 BCGCCCCGCCCCBB
 ---GCCCCGCC----

Original motif Consensus sequence: BCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC

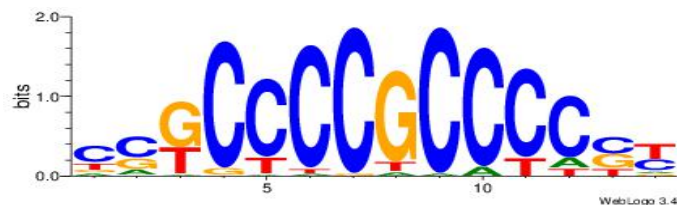


Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0149958

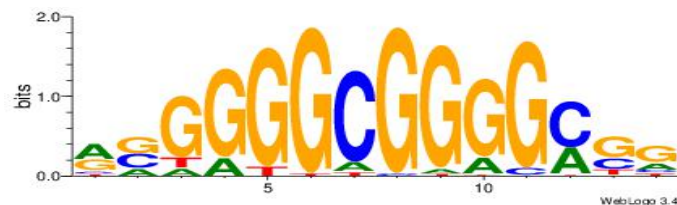
Alignment:

MSGGGGCGGGYSG
 ----GCGGGGC--

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGYSG



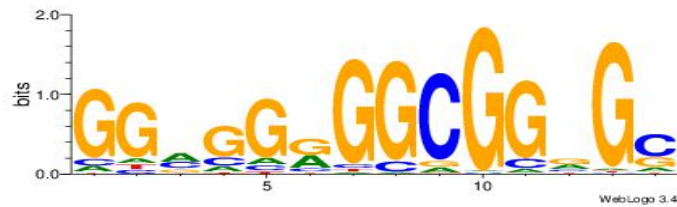
Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 8

Similarity score: 0.0348969

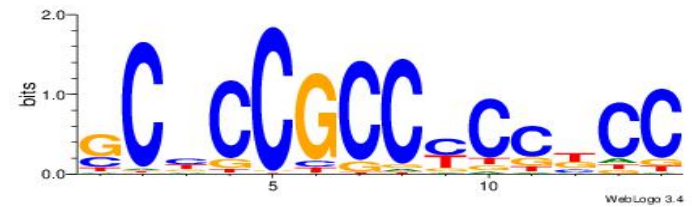
Alignment:

GGMGGRGGCGGVGC
-----GGCGGGGC

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



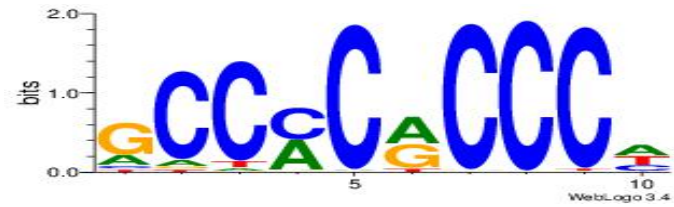
Dataset #: 3
Motif ID: 27
Motif name: Klf4
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 8
Similarity score: 0.0349983

Alignment:

DGGGYGKGGC
--GGCGGGGC

Original motif Consensus sequence: DGGGYGKGGC

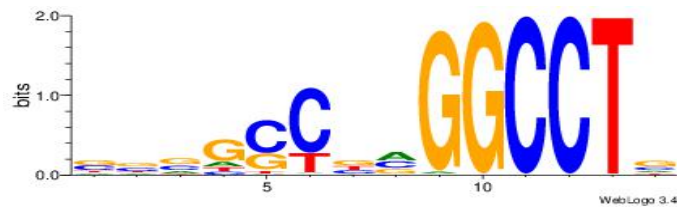
Reverse complement motif Consensus sequence: GCCYCMCCCD



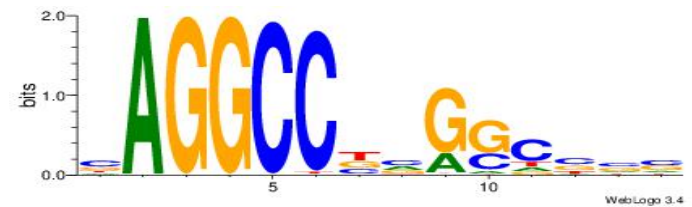
Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0708224

Alignment:
 VAGGCCBBGGCVBB
 ---GCCCCGCC---

Original motif Consensus sequence: BBVGCCBVGCCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCVBB



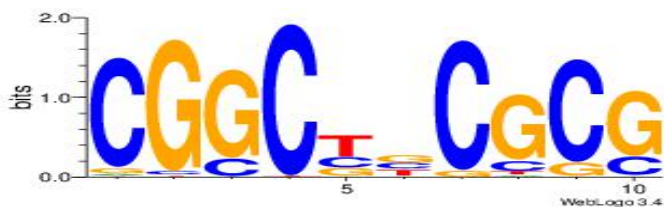
Dataset #: 5
 Motif ID: 48

Motif name: TFW3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.071681

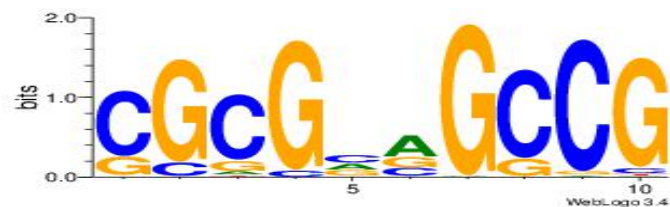
Alignment:

CGCGBMGCCG
 -GCCCCGCC-

Original motif Consensus sequence: CGGCYBCGCG



Reverse complement motif Consensus sequence: CGCGBMGCCG

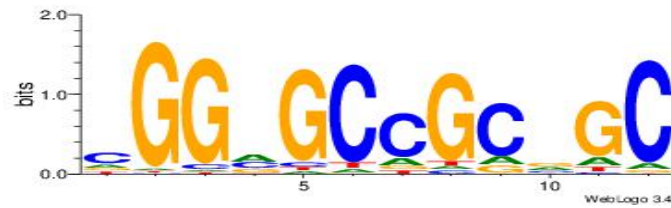


Dataset #: 5
 Motif ID: 49
 Motif name: TFF1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.0803996

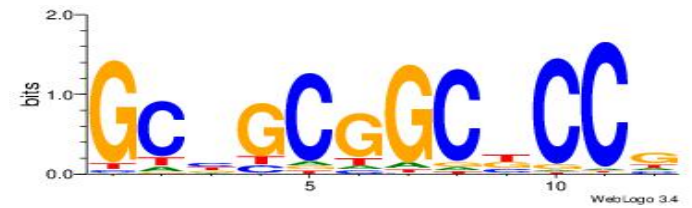
Alignment:

CGGVGCCGCVGC
--GCCCCGCC--

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGCCGCBCCG



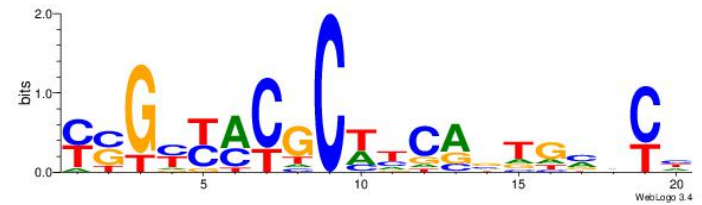
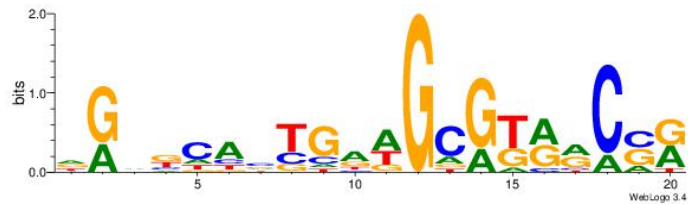
Dataset #: 3
Motif ID: 31
Motif name: Pax5
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 8
Similarity score: 0.0853847

Alignment:

DGVBCABTGDWCGKRRCSR
-----GCGGGGC--

Original motif Consensus sequence: DGVBCABTGDWCGKRRCSR

Reverse complement motif Consensus sequence:
MSGKKRCGCWDCABTGBBCD



Dataset #: 3
 Motif ID: 23
 Motif name: Egr1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.0878731

Alignment:
 YGCCCCACGCH
 ---GCCCCGCC

Original motif Consensus sequence: HGCGTGGGCGK



Reverse complement motif Consensus sequence: YGCCCCACGCH



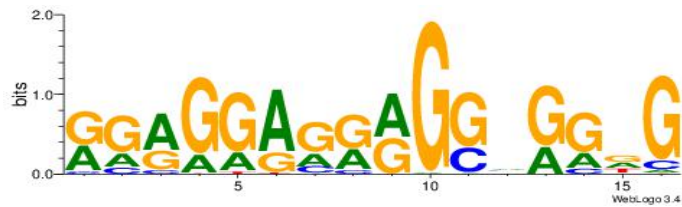
Dataset #: 5
 Motif ID: 51

Motif name: TFM2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.0928252

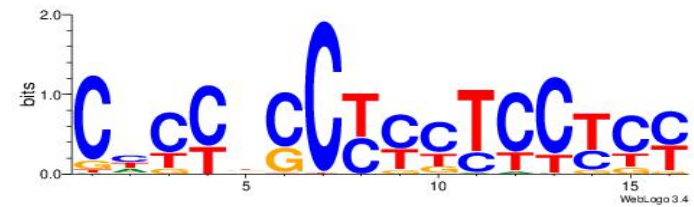
Alignment:

CHCCBCCCKMCTCCKCM
 --GCCCCGCC-----

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCCCKMCTCCKCM



Dataset #: 5 Motif ID: 46 Motif name: TFW1

Original motif Consensus sequence: GTCGCG



Reverse complement motif Consensus sequence: CGCGAC



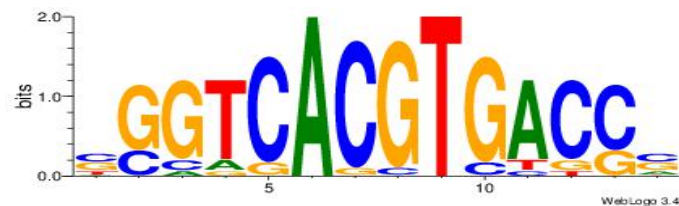
Best Matches for Top Significant Motif ID 46 (Highest to Lowest)

Dataset #: 4
Motif ID: 42
Motif name: sSGTCACGTGACs
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 7
Number of overlap: 6
Similarity score: 0.0375102

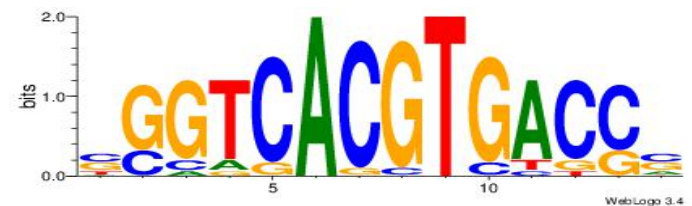
Alignment:

```
SGGTCACGTGACCS  
--GTCGCG-----
```

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS



Dataset #: 3
Motif ID: 33
Motif name: Mycn
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement

Direction: Backward
 Position number: 1
 Number of overlap: 6
 Similarity score: 0.0537993

Alignment:
 GCCACGTGSD
 ----GTCGCG

Original motif Consensus sequence: HSCACGTGGC



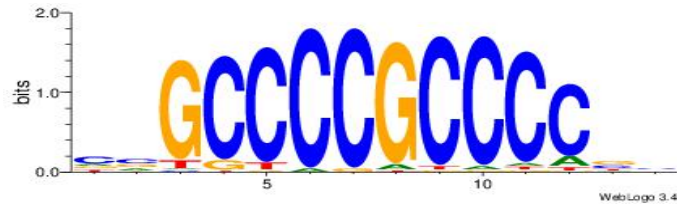
Reverse complement motif Consensus sequence: GCCACGTGSD



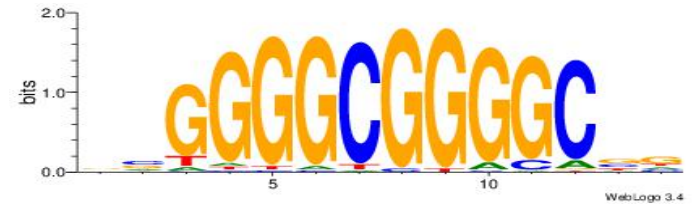
Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0.0539

Alignment:
 HVGCCCCGCCCCBB
 --GTCGCG-----

Original motif Consensus sequence: HVGCCCCGCCCB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC



Dataset #: 1
 Motif ID: 1
 Motif name: Motif 1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 6
 Similarity score: 0.0554263

Alignment:
 GCCCGCC
 --GTCGCG

Original motif Consensus sequence: GCGGGGC



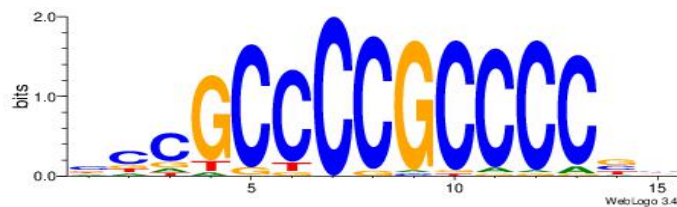
Reverse complement motif Consensus sequence: GCCCGCC



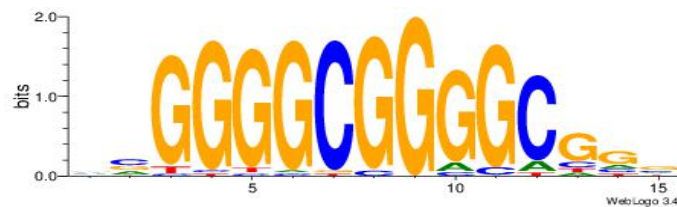
Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 6
 Similarity score: 0.0558733

Alignment:
 BBGGGGCGGGGCGGB
 -----GTCGCG--

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

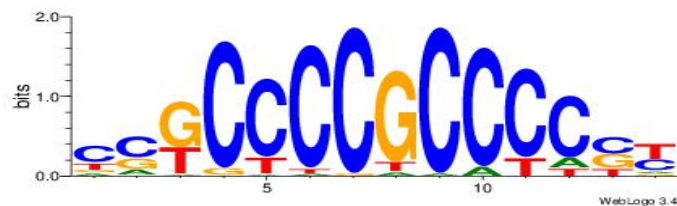


Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7

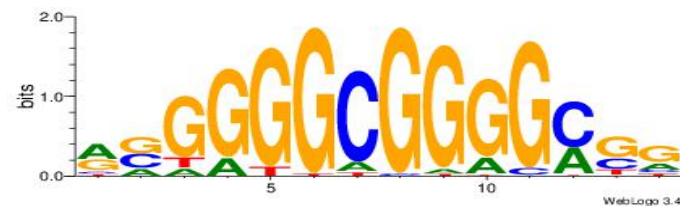
Number of overlap: 6
Similarity score: 0.0644512

Alignment:
CSKCCCCGCCCCSY
--CGCGAC-----

Original motif Consensus sequence: CSKCCCCGCCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGGY

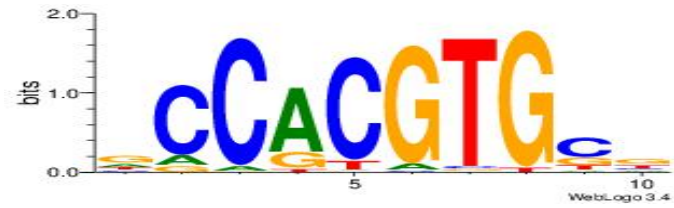


Dataset #: 3
Motif ID: 34
Motif name: Myc
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 6
Similarity score: 0.0664905

Alignment:
DCCACGTGCV
----GTCGCG

Original motif Consensus sequence: VGCACGTGGH

Reverse complement motif Consensus sequence: DCCACGTGCV



Dataset #: 3
 Motif ID: 28
 Motif name: E2F1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 6
 Similarity score: 0.0698654

Alignment:
 TTTSGCGC
 -GTCGCG-

Original motif Consensus sequence: TTTSGCGC



Reverse complement motif Consensus sequence: GCGCSAAA



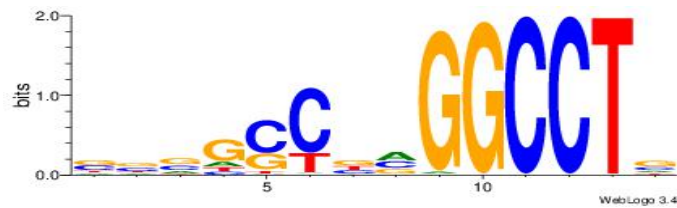
Dataset #: 3
 Motif ID: 22

Motif name: Zfx
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.069909

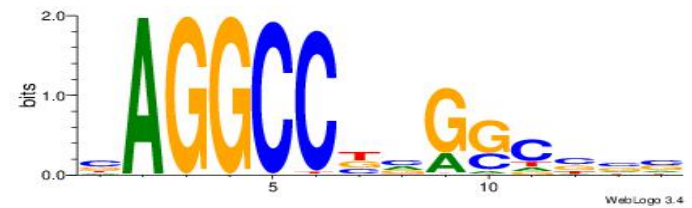
Alignment:

BBVGCCBVGGCCTV
 ---GTCGCG-----

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCV

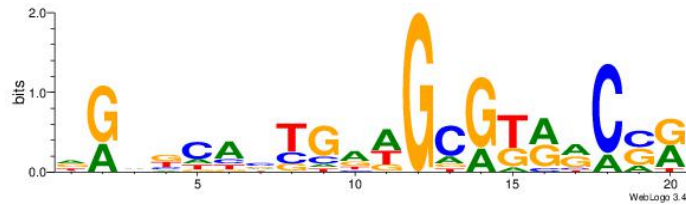


Dataset #: 3
 Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0.072456

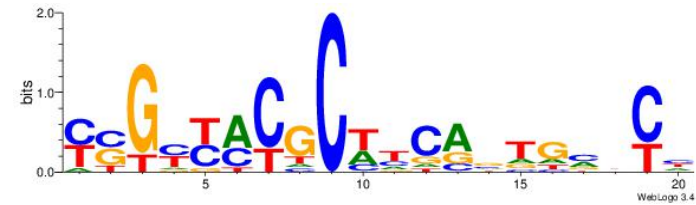
Alignment:

MSGKKRCGCWDCABTGBBCD
-----CGCGAC-----

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD



Dataset #: 5 Motif ID: 47 Motif name: TFW2

Original motif Consensus sequence: SCGCGCGG



Reverse complement motif Consensus sequence: CCGCGCGS



Best Matches for Top Significant Motif ID 47 (Highest to Lowest)

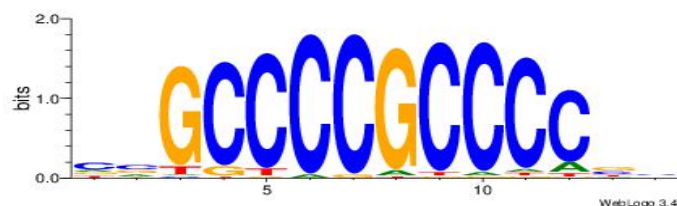
Dataset #:	4
Motif ID:	36
Motif name:	csGCCCCGCCCCsc
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward

Position number: 2
Number of overlap: 8
Similarity score: 0.0456233

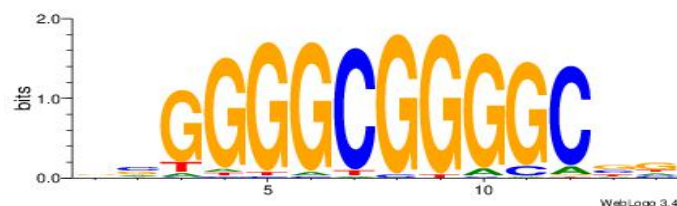
Alignment:

HVGGCCCGCCCCBB
-CCGCGCGS-----

Original motif Consensus sequence: HVGGCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC

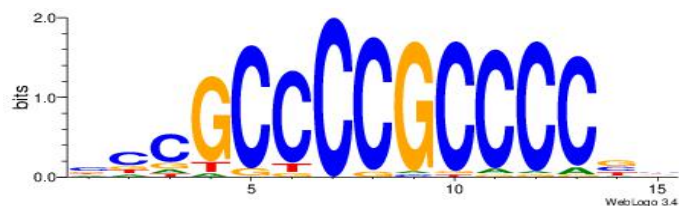


Dataset #: 4
Motif ID: 38
Motif name: cccGCCCCGCCCCsb
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 7
Number of overlap: 8
Similarity score: 0.045686

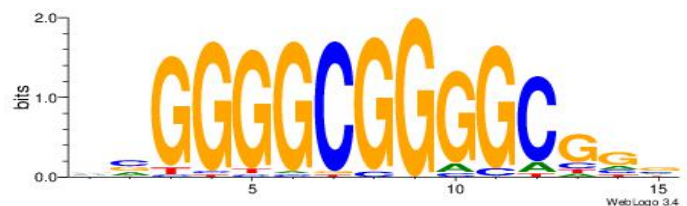
Alignment:

BBGGGGCGGGCGGB
-----SCGCGCGG-

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

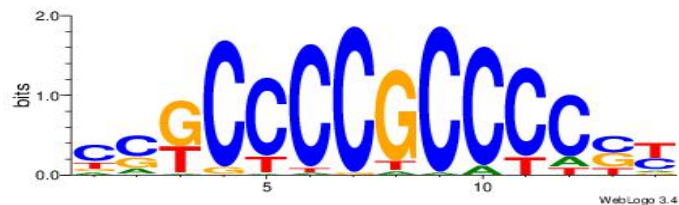


Dataset #: 2
Motif ID: 7
Motif name: Motif 7
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 8
Similarity score: 0.0504058

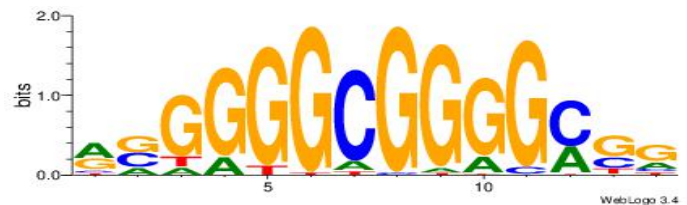
Alignment:

CSKCCCCGCCCCSY
-CCGCGCS-----

Original motif Consensus sequence: CSKCCCCGCCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGGY



Dataset #: 3
 Motif ID: 33
 Motif name: Mycn
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.0527532

Alignment:

HSCACGTGGC
 -SCGCGCGG-

Original motif Consensus sequence: HSCACGTGGC



Reverse complement motif Consensus sequence: GCCACGTGSD



Dataset #: 3
 Motif ID: 34
 Motif name: Myc
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 8

Similarity score: 0.0574543

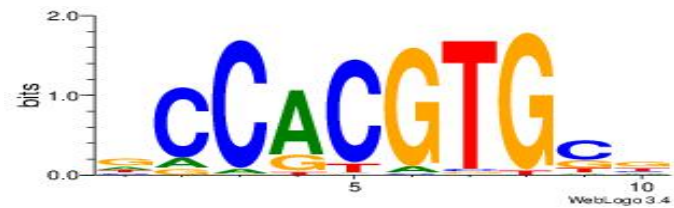
Alignment:

VGCACGTGGH
-SCGCGCGG-

Original motif Consensus sequence: VGCACGTGGH



Reverse complement motif Consensus sequence: DCCACGTGCV



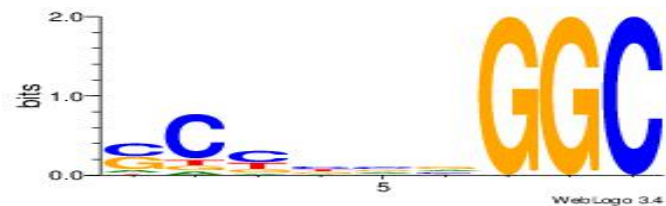
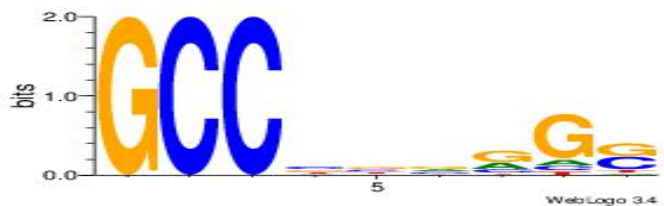
Dataset #: 3
Motif ID: 25
Motif name: TFAP2A
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 8
Similarity score: 0.0678925

Alignment:

SCMVBBGGC
-SCGCGCGG-

Original motif Consensus sequence: GCCBBVRGS

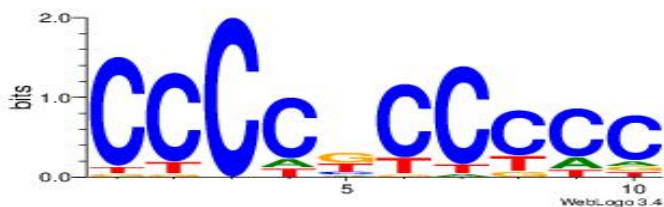
Reverse complement motif Consensus sequence: SCMVBBGGC



Dataset #: 3
 Motif ID: 24
 Motif name: SP1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.07018

Alignment:
 CCCCKCCCC
 --CCGCGCGS

Original motif Consensus sequence: CCCCKCCCC



Reverse complement motif Consensus sequence: GGGGYGGGG



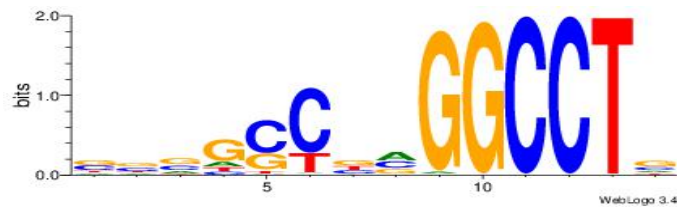
Dataset #: 3
 Motif ID: 22

Motif name: Zfx
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.0710499

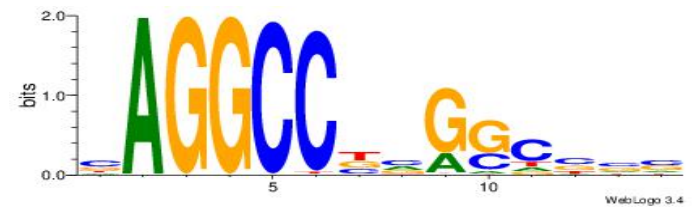
Alignment:

BBVGCCBVGGCCTV
 --SCGCGCGG-----

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCV



Dataset #: 3
 Motif ID: 27
 Motif name: Klf4
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.0768965

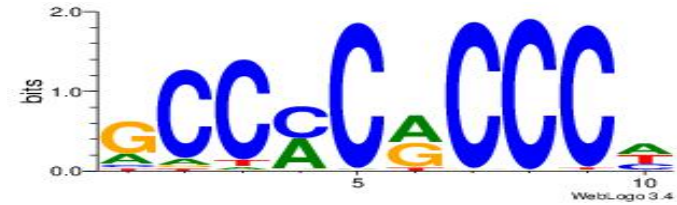
Alignment:

DGGGYGKGGC
-SCGCGCGG-

Original motif Consensus sequence: DGGGYGKGGC



Reverse complement motif Consensus sequence: GCCYCMCCCD



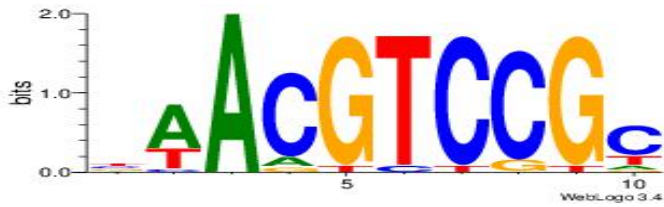
Dataset #: 3
Motif ID: 26
Motif name: MIZF
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 8
Similarity score: 0.0837414

Alignment:

GCGGACGTTV
--SCGCGCGG

Original motif Consensus sequence: BAACGTCCGC

Reverse complement motif Consensus sequence: GCGGACGTTV



Dataset #: 3 Motif ID: 29 Motif name: HIF1AARNT

Original motif Consensus sequence: VBACGTGV



Reverse complement motif Consensus sequence: VCACGTBV

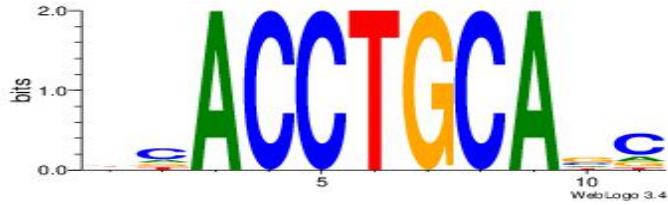


Best Matches for Top Significant Motif ID 29 (Highest to Lowest)

Dataset #:	4
Motif ID:	40
Motif name:	kcACCTGCAGc
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	8
Similarity score:	0.0295473

Alignment:
 GBTGCAGGTGB
 ---VCACGTBV

Original motif Consensus sequence: BCACCTGCABC



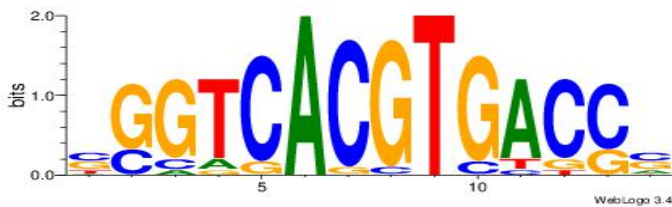
Reverse complement motif Consensus sequence: GBTGCAGGTGB



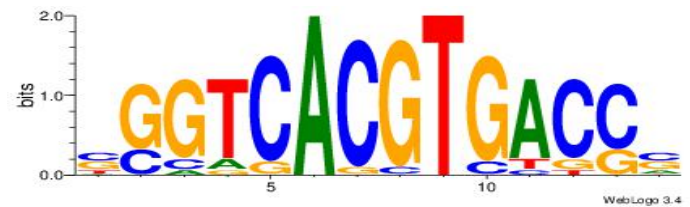
Dataset #: 4
Motif ID: 42
Motif name: sSGTCACGTGACs
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0.0314837

Alignment:
SGGTCACGTGACCS
---VCACGTBV---

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS

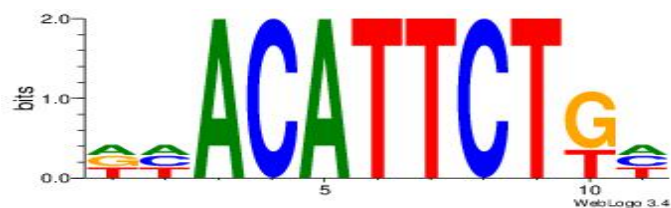


Dataset #: 4
 Motif ID: 44
 Motif name: dhACATTCTkh
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0640024

Alignment:

DHACATTCTGH
 VCACGTBV---

Original motif Consensus sequence: DHACATTCTGH



Reverse complement motif Consensus sequence: HCAGAATGTHD

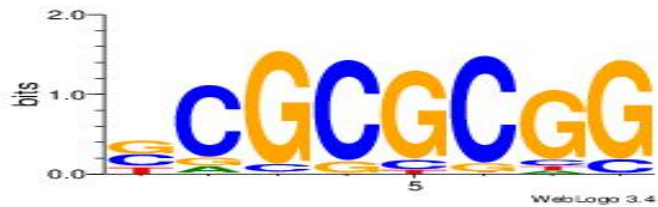


Dataset #: 5
 Motif ID: 47
 Motif name: TFW2
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 8

Similarity score: 0.0660185

Alignment:
CCGCGCGS
VBACGTGV

Original motif Consensus sequence: SCGCGCGG



Reverse complement motif Consensus sequence: CCGCGCGS

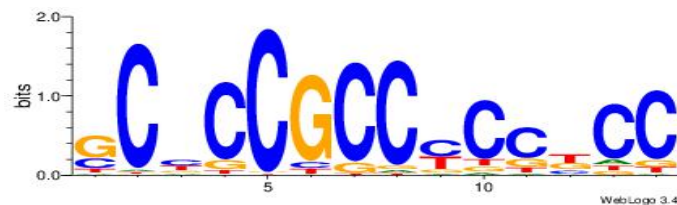
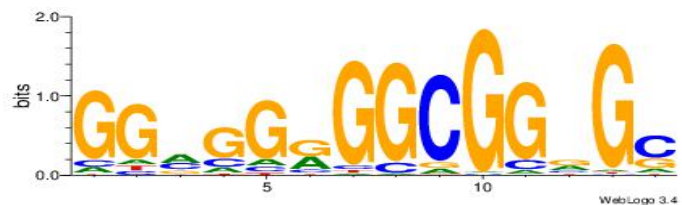


Dataset #: 5
Motif ID: 50
Motif name: TFF11
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 8
Similarity score: 0.067219

Alignment:
GCVCCGCCMCCYCC
-----VCACGTBV

Original motif Consensus sequence: GGMGRRGGCGGVGC

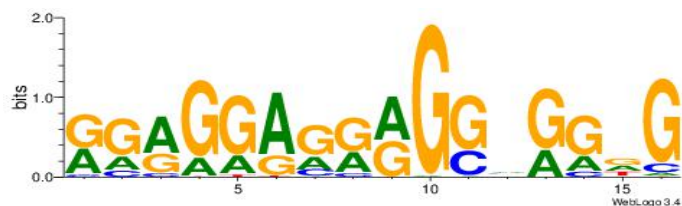
Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC



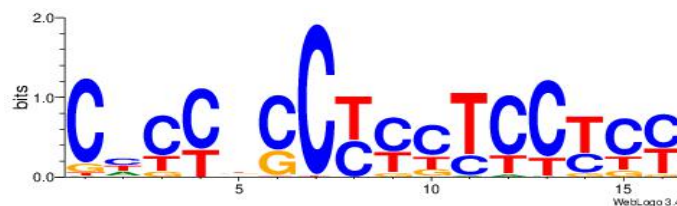
Dataset #: 5
 Motif ID: 51
 Motif name: TFM2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0698117

Alignment:
 CHCCBCKMCTCCKCM
 -----VCACGTBV----

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCKMCTCCKCM

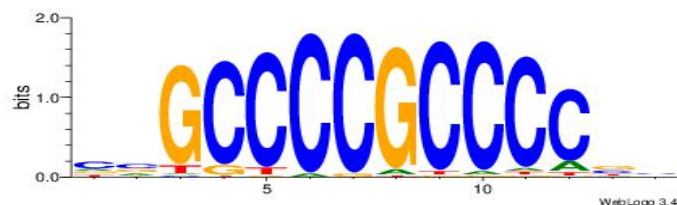


Dataset #: 4

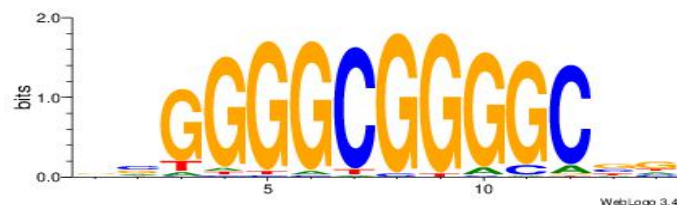
Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0711168

Alignment:
 BBGGGGCGGGGCVD
 ---VBACGTGV---

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC

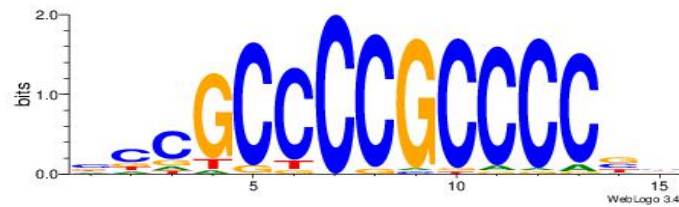


Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0735453

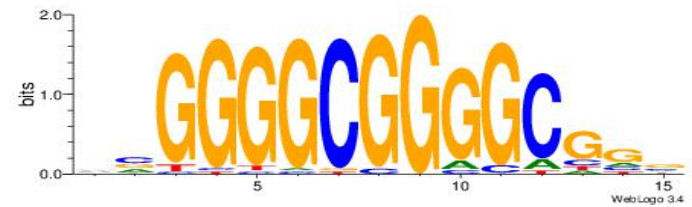
Alignment:

BBGGGGCGGGGCGGB
---VBACGTGV-----

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence:
BBGGGGCGGGGCGGB



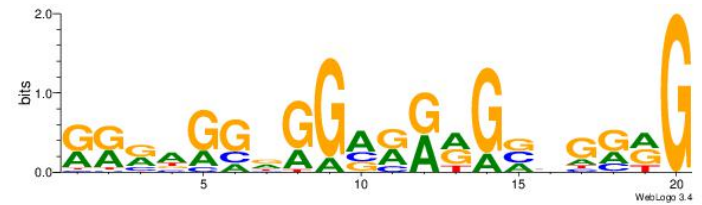
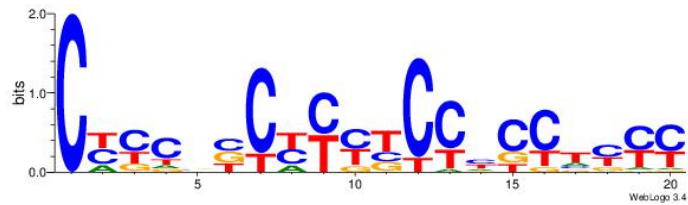
Dataset #:	5
Motif ID:	54
Motif name:	TFM12
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	12
Number of overlap:	8
Similarity score:	0.0757612

Alignment:

KKKAGGDGGAKKMGBBGKMG
-VBACGTGV-----

Original motif Consensus sequence: CYCBBCYYYYTCCHCCTYYY

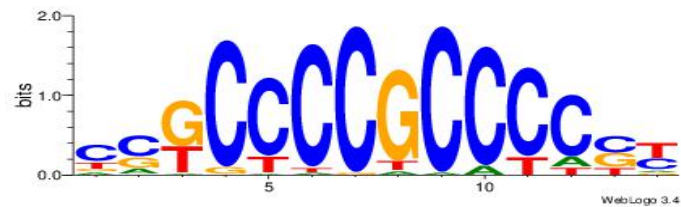
Reverse complement motif Consensus sequence:
KKKAGGDGGAKKMGBBGKMG



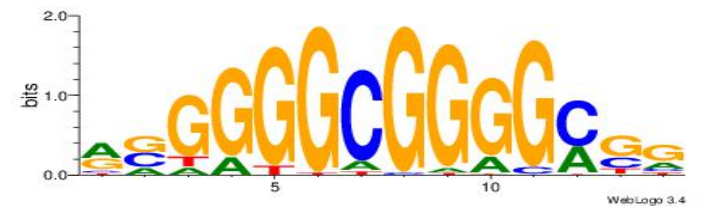
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0775335

Alignment:
 CSKCCCCGCCCSY
 ---VCACGTBV---

Original motif Consensus sequence: CSKCCCCGCCCSY

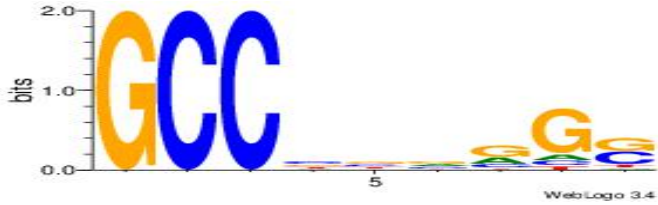


Reverse complement motif Consensus sequence: MSGGGCGGGY

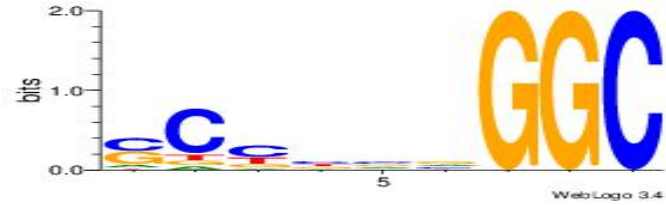


Dataset #: 3 Motif ID: 25 Motif name: TFAP2A

Original motif Consensus sequence: GCCBBVRGS



Reverse complement motif Consensus sequence: SCMVBGGC



Best Matches for Top Significant Motif ID 25 (Highest to Lowest)

Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 9
 Similarity score: 0.0415732

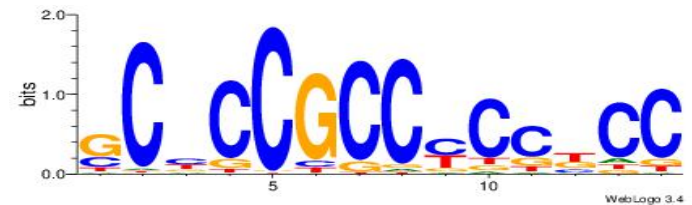
Alignment:

GGMGGRGGCGGVGC
 SCMVBGGC-----

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC

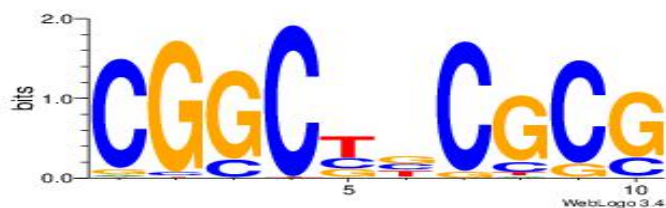


Dataset #: 5
 Motif ID: 48
 Motif name: TFW3
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 9
 Similarity score: 0.0552877

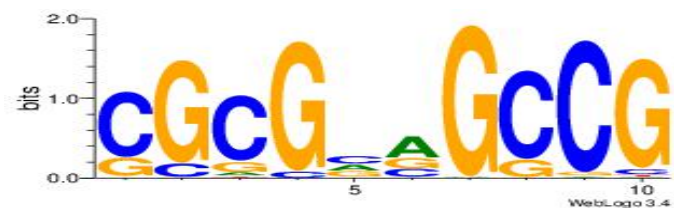
Alignment:

CGGCYBCGCG
 -GCCBBVRGS

Original motif Consensus sequence: CGGCYBCGCG



Reverse complement motif Consensus sequence: CGCGBMGCCG



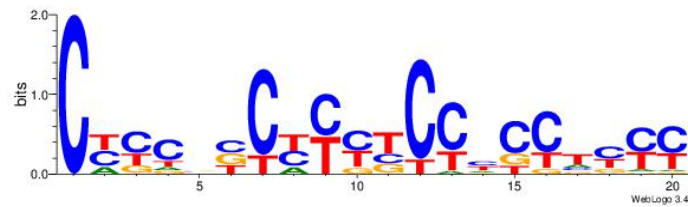
Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 11
 Number of overlap: 9

Similarity score: 0.0630429

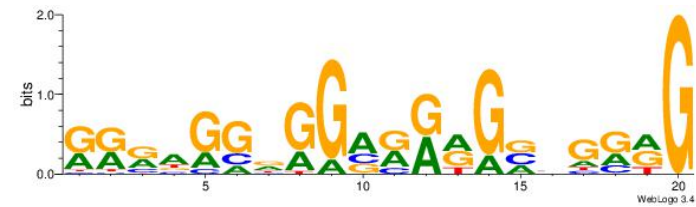
Alignment:

KKKAGGDGGAKKMGBBGKMG
-SCMVBBGGC-----

Original motif Consensus sequence: CYCBBYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG



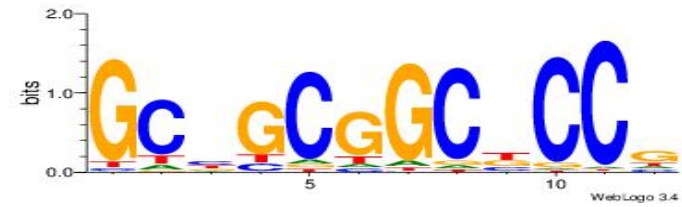
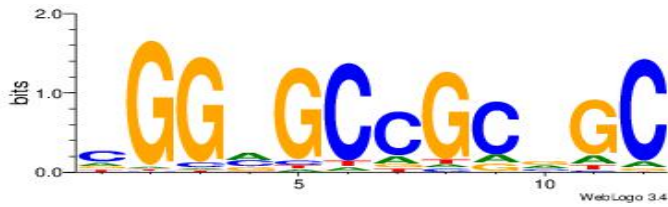
Dataset #: 5
Motif ID: 49
Motif name: TFF1
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 9
Similarity score: 0.0669772

Alignment:

GCVGCGGCBCCG
SCMVBBGGC---

Original motif Consensus sequence: CGGVGCCGCVGC

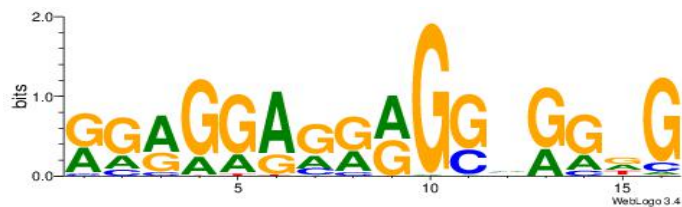
Reverse complement motif Consensus sequence: GCVGCGGCBCCG



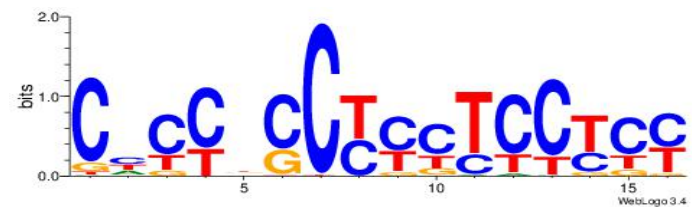
Dataset #: 5
 Motif ID: 51
 Motif name: TFM2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 9
 Similarity score: 0.069755

Alignment:
 CHCCBCKMCTCCKCM
 SCMVBBGGC-----

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCKMCTCCKCM



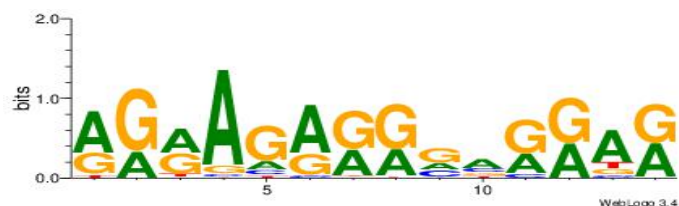
Dataset #: 2

Motif ID: 2
 Motif name: Motif 2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 9
 Similarity score: 0.0715961

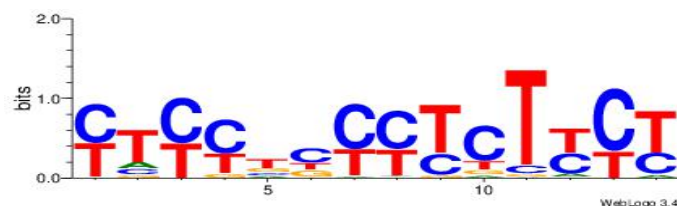
Alignment:

MTMMTCMMTCTKCK
 ----SCMVBBGGC-

Original motif Consensus sequence: RGRAGARRGARRAR



Reverse complement motif Consensus sequence: MTMMTCMMTCTKCK

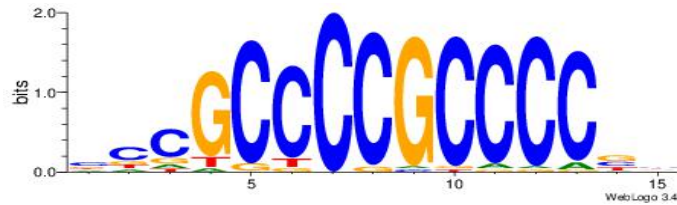


Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 9
 Similarity score: 0.0719489

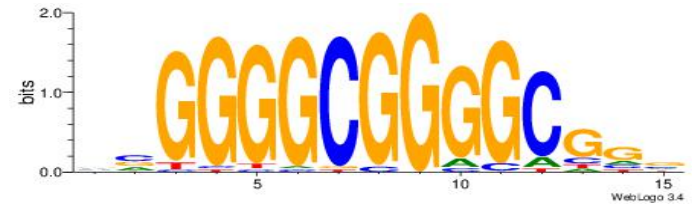
Alignment:

BBGGGGCGGGGCGGB
-----GCCBBVRGS-

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence:
BBGGGGCGGGGCGGB



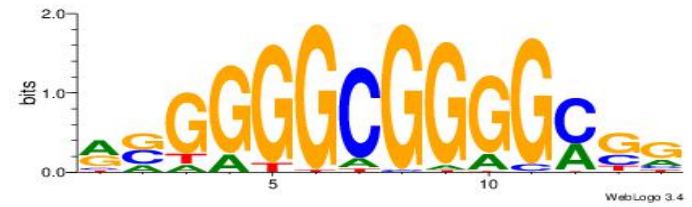
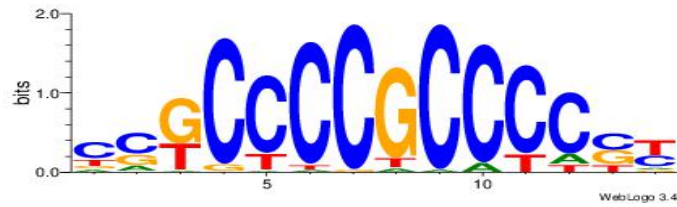
Dataset #:	2
Motif ID:	7
Motif name:	Motif 7
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	6
Number of overlap:	9
Similarity score:	0.0781606

Alignment:

MSGGGGCGGGGYSG
GCCBBVRGS-----

Original motif Consensus sequence: CSKCCCCGCCCSY

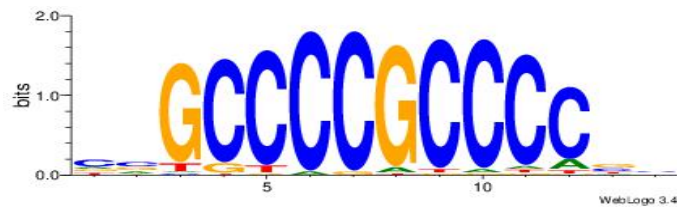
Reverse complement motif Consensus sequence: MSGGGGCGGGGY



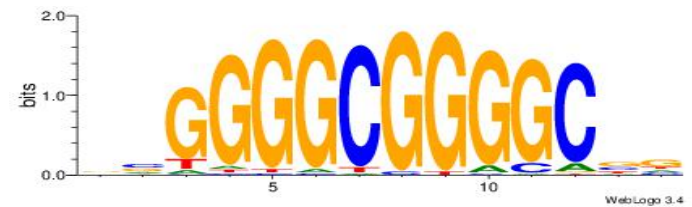
Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 9
 Similarity score: 0.0800026

Alignment:
 BBGGGGCGGGGCVD
 -----GCCBBVRGS

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC



Dataset #: 4
 Motif ID: 40

Motif name: kcACCTGCAGc
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 9
 Similarity score: 0.0857416

Alignment:

BCACCTGCABC
 --GCCBBVRGS

Original motif Consensus sequence: BCACCTGCABC

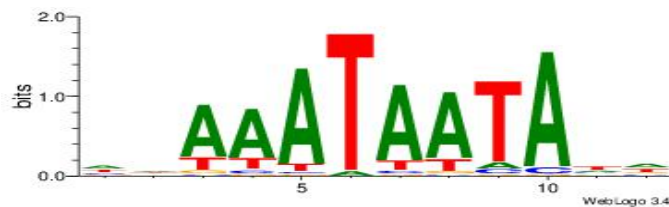


Reverse complement motif Consensus sequence: GBTGCAGGTGB

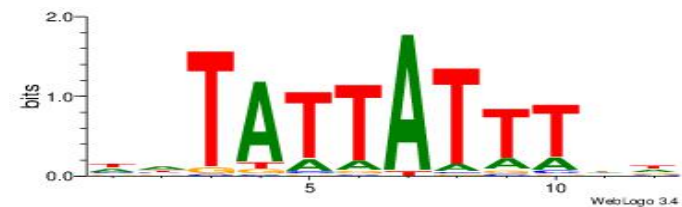


Dataset #: 4 Motif ID: 41 Motif name: wwAAATAATatw

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH



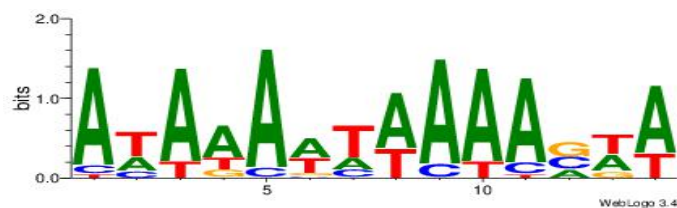
Best Matches for Top Significant Motif ID 41 (Highest to Lowest)

Dataset #: 2
 Motif ID: 3
 Motif name: Motif 3
 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: 0.0536028

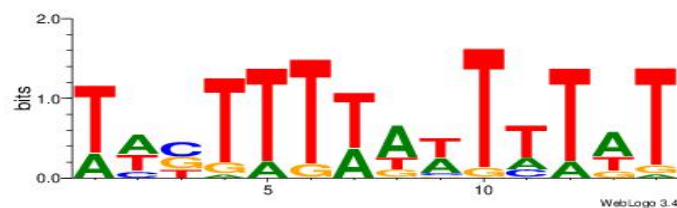
Alignment:

AWAAAWTWAAASWA
 -HDAAATAATADD-

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTT



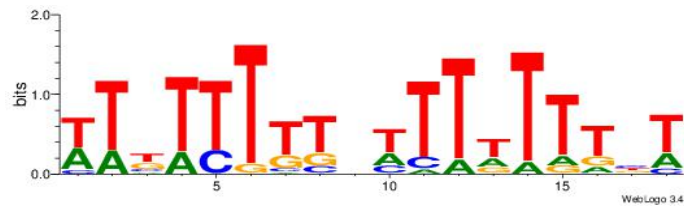
Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 12

Similarity score: 0.0565705

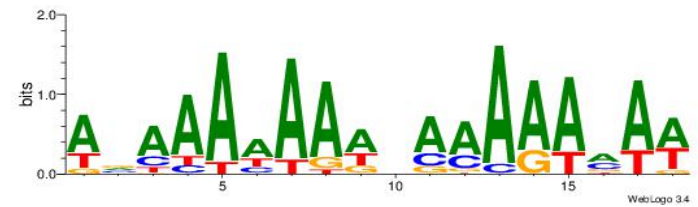
Alignment:

WKTTTTTHWTTTTTBT
-----DDTATTATTTDH

Original motif Consensus sequence: WKTTTTTHWTTTTTBT



Reverse complement motif Consensus sequence:
ABAAAAAWHAAAAARAW



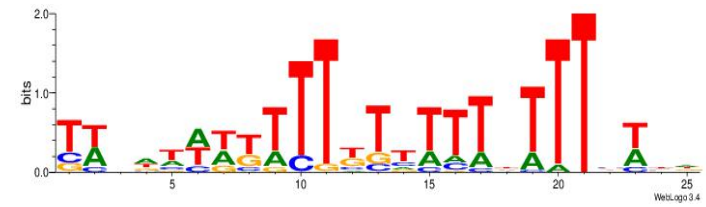
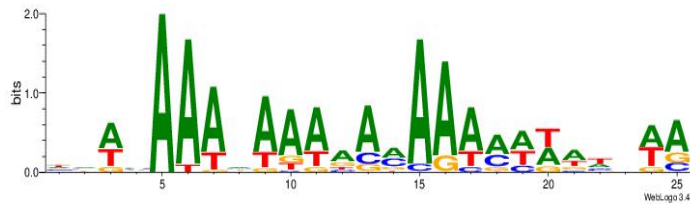
Dataset #: 5
Motif ID: 56
Motif name: TFM11
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 12
Similarity score: 0.0575935

Alignment:

HDWVAAAHAAAAAMAAAMWWWHBWA
--HDAAATAATADD-----

Original motif Consensus sequence:
HDWVAAAHAAAAAMAAAMWWWHBWA

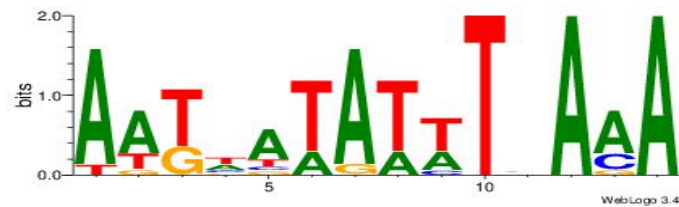
Reverse complement motif Consensus sequence:
TWVHWWWYTTTTYTTTTTHTTTVWBH



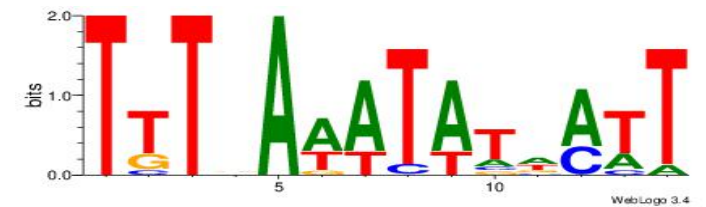
Dataset #: 2
 Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0591821

Alignment:
 AATHATATWTHAAA
 --DDTATTATTTDH

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT



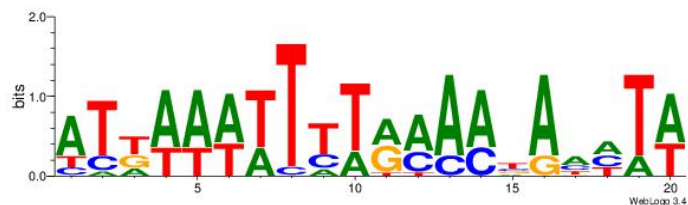
Dataset #: 5
 Motif ID: 55

Motif name: TFM13
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0712963

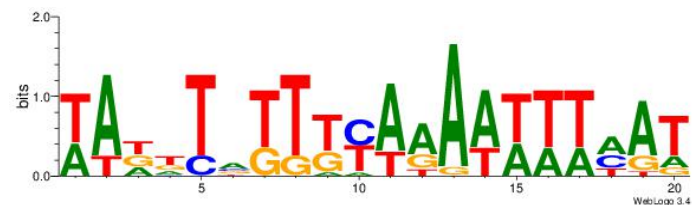
Alignment:

WAHHTVTTYKAAAATTRAT
 -----HDAAATAATADD

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT

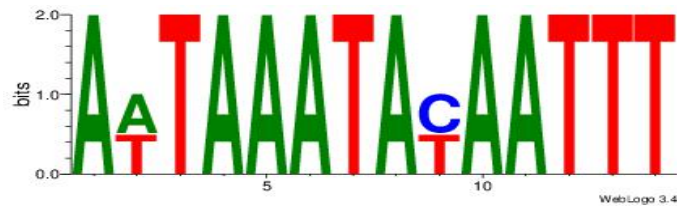


Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0715278

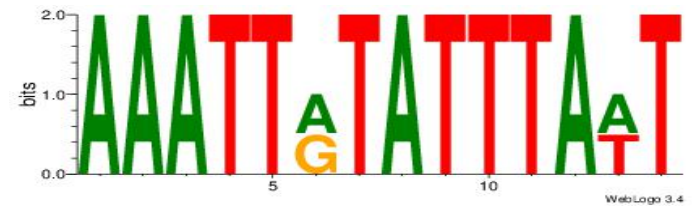
Alignment:

AAATTKTATTTAWT
-DDTATTATTTDH-

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAWT



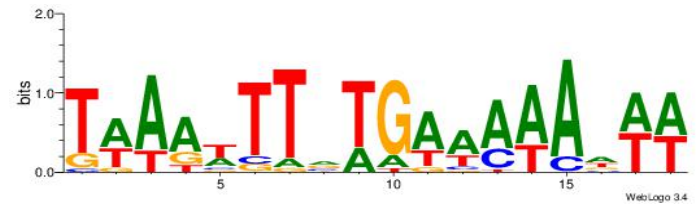
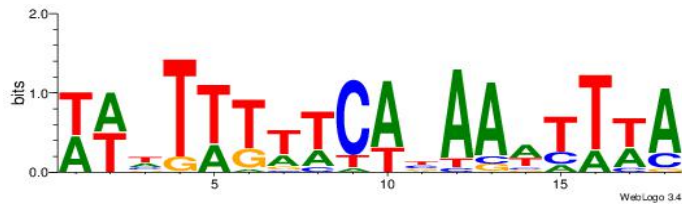
Dataset #: 5
Motif ID: 53
Motif name: TFM3
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 12
Similarity score: 0.0733516

Alignment:

WWHTTTTTTCABAAWTTWA
-----DDTATTATTTDH

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA

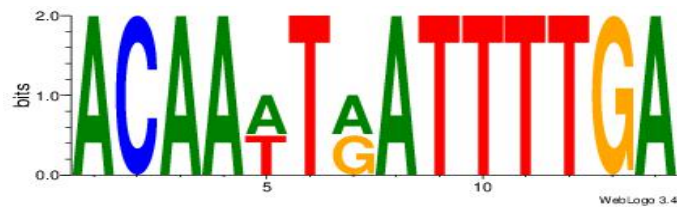
Reverse complement motif Consensus sequence:
TAAWTTVTGAAAAHWW



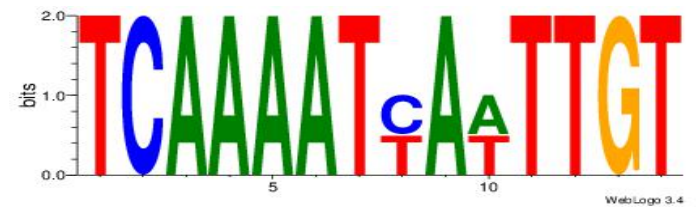
Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0912037

Alignment:
 TCAAAATKAWTTGT
 --DDTATTATTTDH

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTGT



Dataset #: 2
 Motif ID: 6

Motif name: Motif 6
 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: 0.0924576

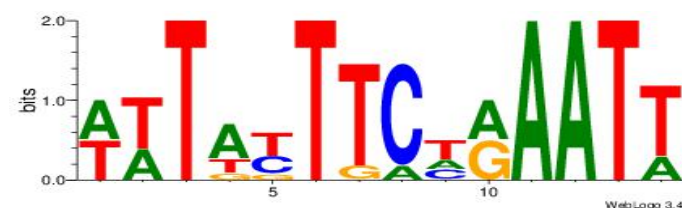
Alignment:

WWTAKTTCDKAATT
 DDTATTATTTDH--

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAATT

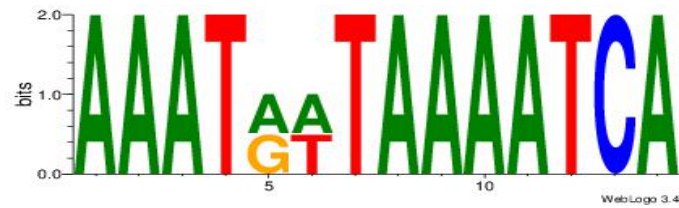


Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0989198

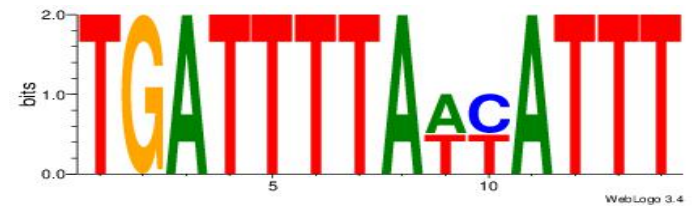
Alignment:

TGATTTTAWKATTT
-DDTATTATTTDH-

Original motif Consensus sequence: AAATRWATAAATCA

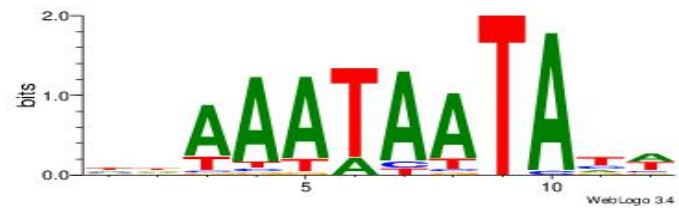


Reverse complement motif Consensus sequence: TGATTTTAWKATTT

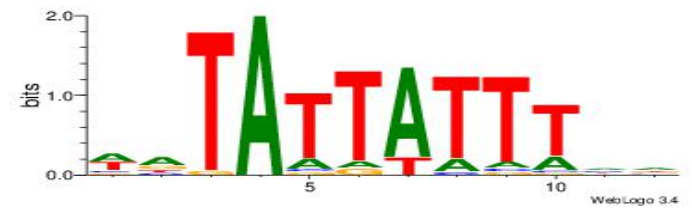


Dataset #: 4 Motif ID: 37 Motif name: tkAAATAATAtw

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH



Best Matches for Top Significant Motif ID 37 (Highest to Lowest)

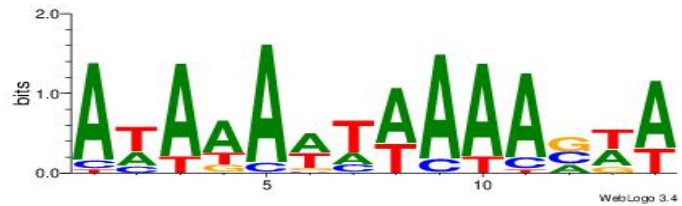
Dataset #:	2
Motif ID:	3
Motif name:	Motif 3
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2

Number of overlap: 12
 Similarity score: 0.0522317

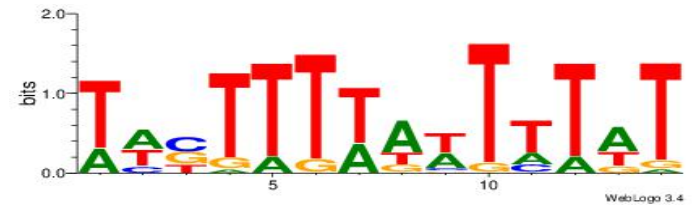
Alignment:

TWSTTTWAWTTTWT
 -WHTATTATTTDH-

Original motif Consensus sequence: AWAAAWTWAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTTWT



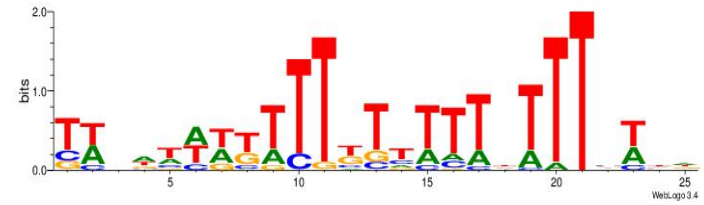
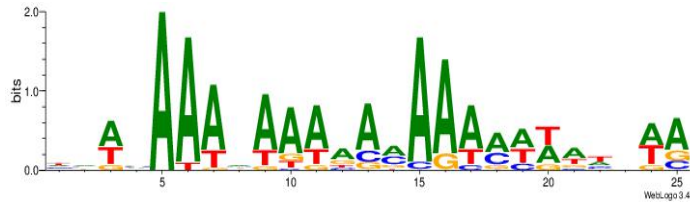
Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0590505

Alignment:

TWVHWWWYTTTTYTTTTTHTTTTVWBH
 -----WHTATTATTTDH--

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA

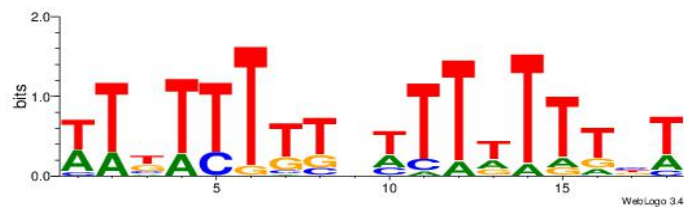
Reverse complement motif Consensus sequence:
 TWVHWWWYTTTTYTTTTTHTTTTVWBH



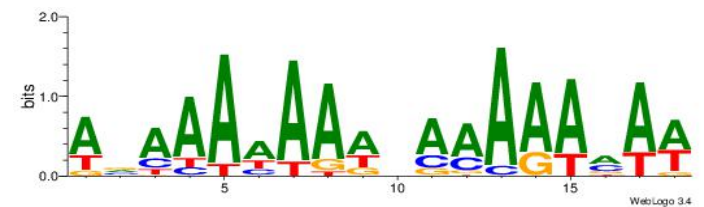
Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0637702

Alignment:
 ABAAAAA WHAAAAA RAW
 HDAAATAATAHW-----

Original motif Consensus sequence: WTKTTTTTHWTTTTTTBT



Reverse complement motif Consensus sequence: ABAAAAA WHAAAAA RAW



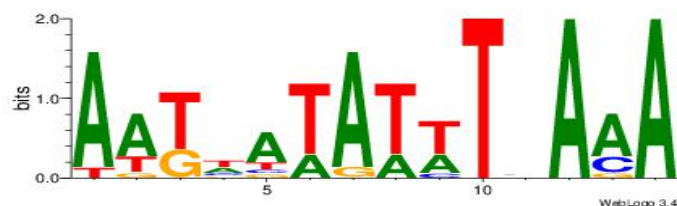
Dataset #: 2

Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0641975

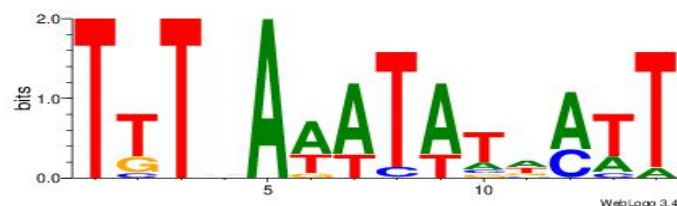
Alignment:

AATHATATWTHAAA
 --WHTATTATTTDH

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT

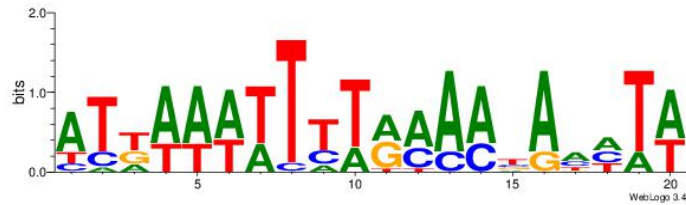


Dataset #: 5
 Motif ID: 55
 Motif name: TFM13
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0704475

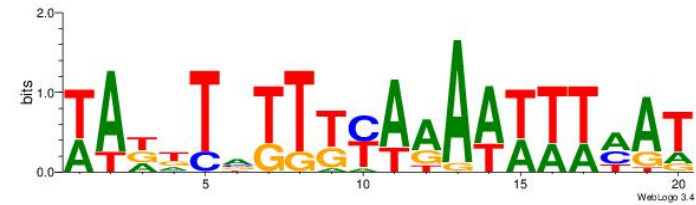
Alignment:

ATKAAWTTTTTRMAABAHTW
WHTATTATTTDH-----

Original motif Consensus sequence: ATKAAWTTTTTRMAABAHTW



Reverse complement motif Consensus sequence:
WAHHTVTTYKAAAATTRAT



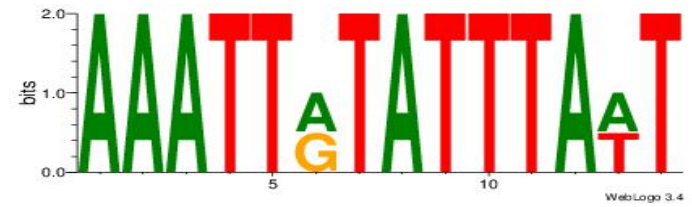
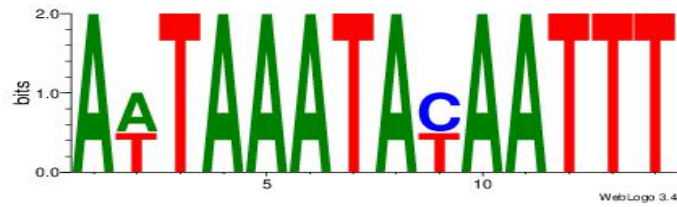
Dataset #: 2
Motif ID: 5
Motif name: Motif 5
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 12
Similarity score: 0.0704475

Alignment:

AAATTKTATTTAWT
-WHTATTATTTDH-

Original motif Consensus sequence: AWTAAATAYAATTT

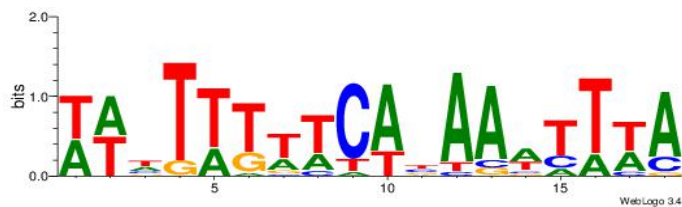
Reverse complement motif Consensus sequence: AAATTKTATTTAWT



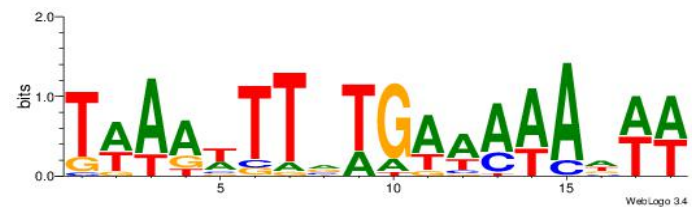
Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0763819

Alignment:
 WWHTTTTTTCABAAWTTWA
 -----WHTATTATTTDH

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TAAWTTVTGAAAAHWW



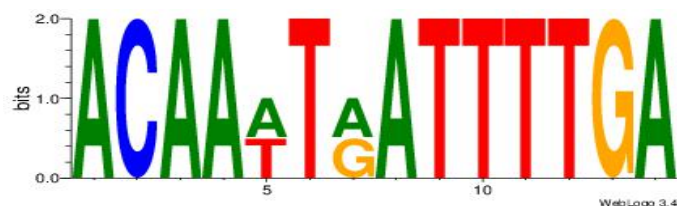
Dataset #: 2

Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0864198

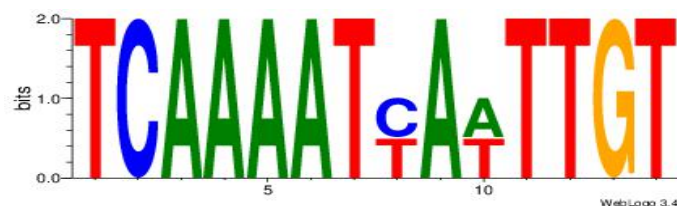
Alignment:

TCAAATKAWTTGT
 --WHTATTATTTDH

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAATKAWTTG



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 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: 0.09076

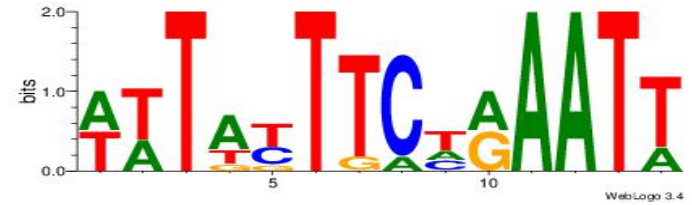
Alignment:

WWTAKTTCDKAATT
WHTATTATTTDH--

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAT



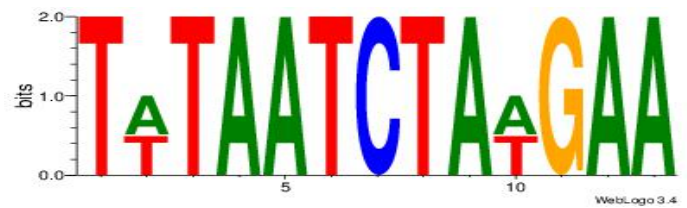
Dataset #: 2
Motif ID: 19
Motif name: Motif 19
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 12
Similarity score: 0.096142

Alignment:

TWTAATCTAWGAA
WHTATTATTTDH-

Original motif Consensus sequence: TTCWTAGATTAWA

Reverse complement motif Consensus sequence: TWTAATCTAWGAA



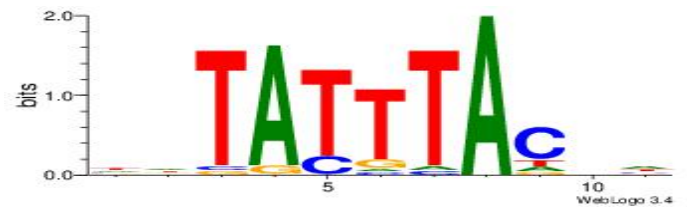
Significant Motifs - Global and Local Matching (Highest to Lowest)

Dataset #: 4 Motif ID: 45 Motif name: wbgTAAATAww

Original motif Consensus sequence: DBGTAATAHD



Reverse complement motif Consensus sequence: DHTATTTACBD



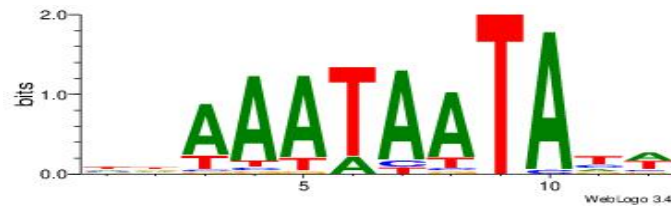
Best Matches for Significant Motif ID 45 (Highest to Lowest)

Dataset #:	4
Motif ID:	37
Motif name:	tkAAATAATAtw
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	11

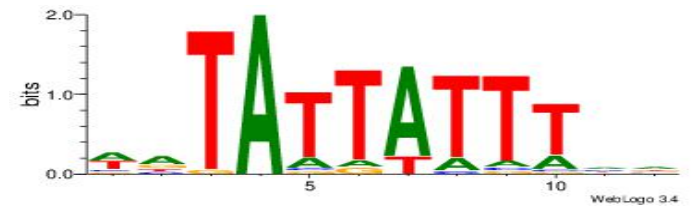
Similarity score: 0.0162338

Alignment:
HDAAATAATAHW
-DBGTAAATAHD

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH

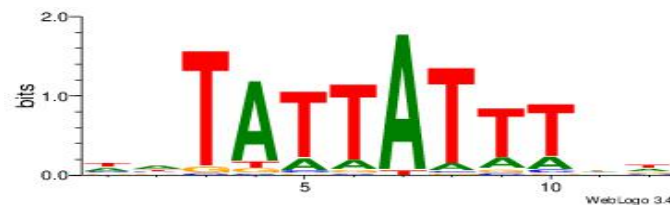
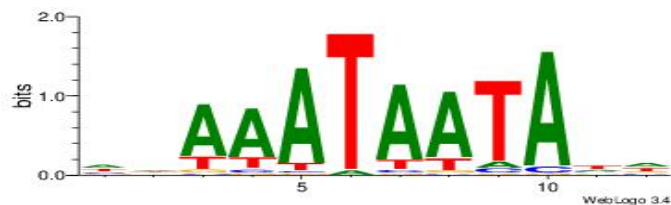


Dataset #: 4
Motif ID: 41
Motif name: wwAAATAATAtw
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0164863

Alignment:
DDTATTATTTDH
DHTATTTACBD-

Original motif Consensus sequence: HDAAATAATADD

Reverse complement motif Consensus sequence: DDTATTATTTDH



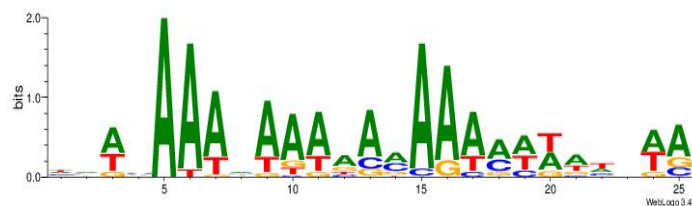
Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 15
 Number of overlap: 11
 Similarity score: 0.0192768

Alignment:

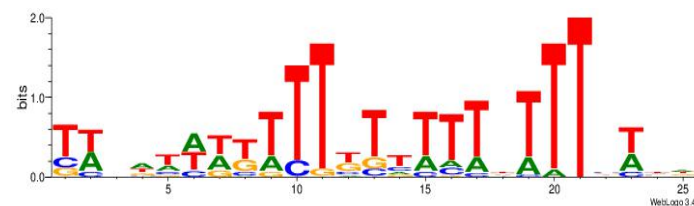
```

TWVHWWYTTTTYTTTTHTTTVWBH
-----DHTATTTACBD
  
```

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
 TWVHWWYTTTTYTTTTHTTTVWBH



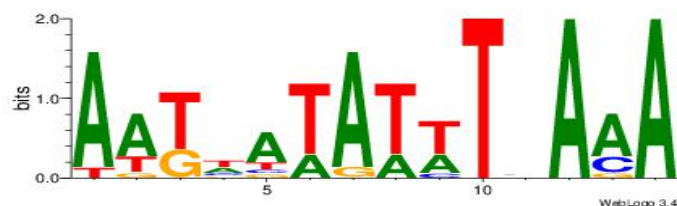
Dataset #: 2

Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0250541

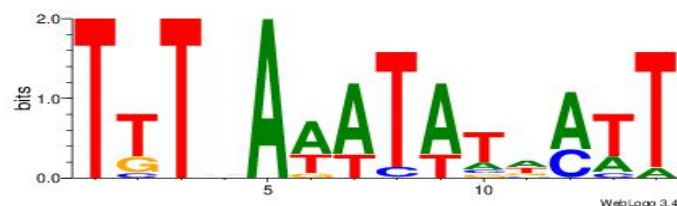
Alignment:

AATHATATWTHAAA
 DHTATTTACBD---

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.027895

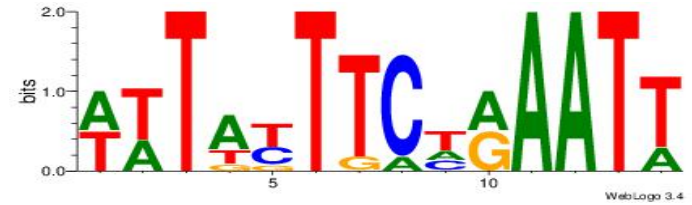
Alignment:

AATTYDGAARTAWW
---DBGTAATAHD

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAAT



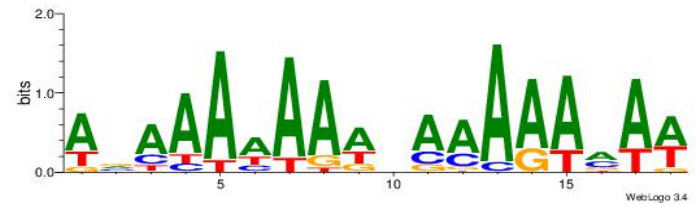
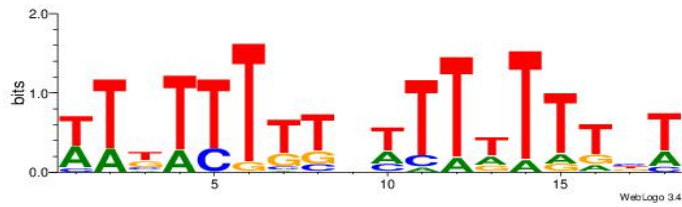
Dataset #: 5
Motif ID: 52
Motif name: TFM1
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 11
Similarity score: 0.0283217

Alignment:

ABAAAAAWhAAAAARAW
DBGTAATAHD-----

Original motif Consensus sequence: WTKTTTTTHWTTTTTBT

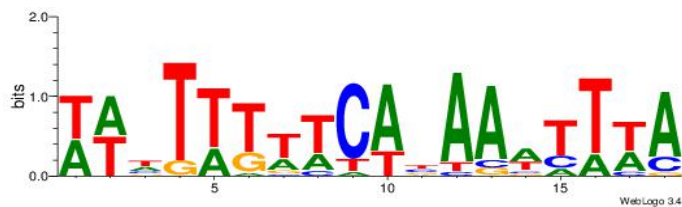
Reverse complement motif Consensus sequence:
ABAAAAAWhAAAAARAW



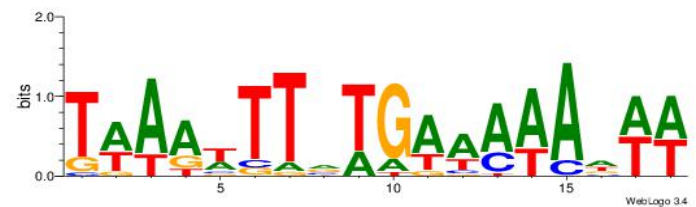
Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0308097

Alignment:
 TWAAWTTVTGAAAAHWW
 -----DBGTAATAHD-

Original motif Consensus sequence: WWHTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TWAAWTTVTGAAAAHWW



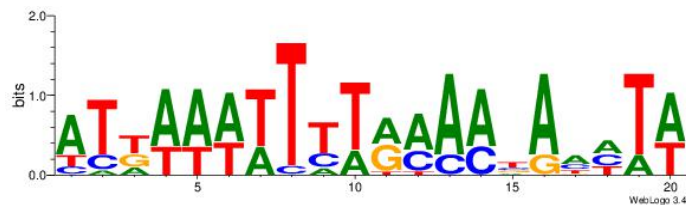
Dataset #: 5

Motif ID: 55
 Motif name: TFM13
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0333874

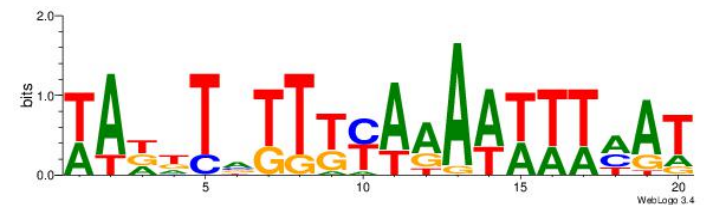
Alignment:

ATKAAWTTTTTRMAABAHTW
 -----DBGTAAATAHD--

Original motif Consensus sequence: ATKAAWTTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT



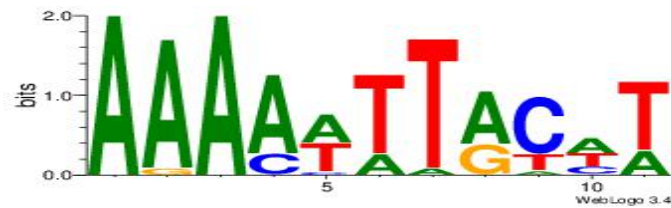
Dataset #: 2
 Motif ID: 4
 Motif name: Motif 4
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11

Similarity score: 0.0361187

Alignment:

AWGKAAWTTTT
DBGTAATAHD

Original motif Consensus sequence: AAAAWTTRCWT



Reverse complement motif Consensus sequence: AWGKAAWTTTT



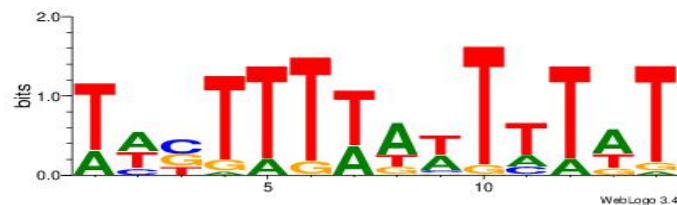
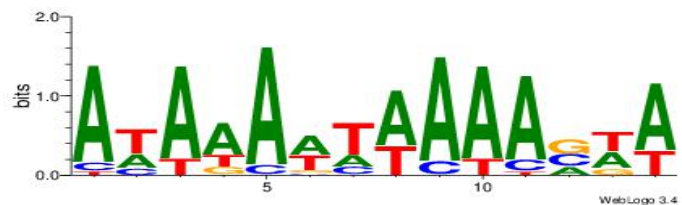
Dataset #: 2
Motif ID: 3
Motif name: Motif 3
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0410381

Alignment:

AWAAAWTWAAASWA
--DHTATTTACBD-

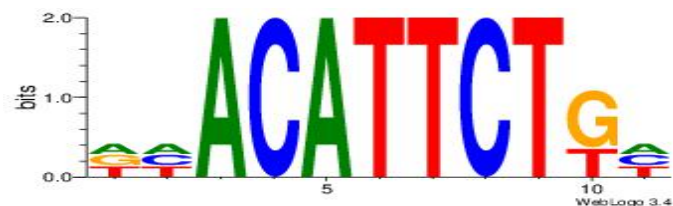
Original motif Consensus sequence: AWAAAWTWAAASWA

Reverse complement motif Consensus sequence: TWSTTTWAWTTTT



Dataset #: 4 Motif ID: 44 Motif name: dhACATTCTkh

Original motif Consensus sequence: DHACATTCTGH



Reverse complement motif Consensus sequence: HCAGAATGTHD

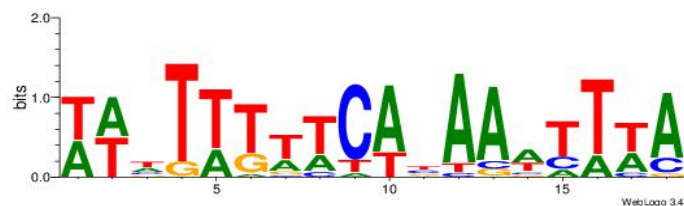


Best Matches for Significant Motif ID 44 (Highest to Lowest)

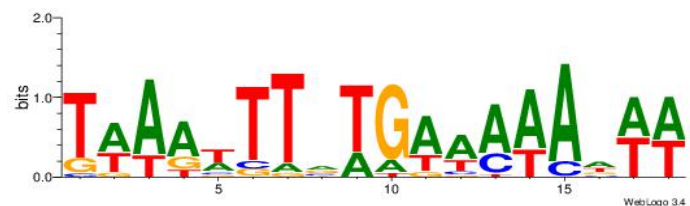
Dataset #:	5
Motif ID:	53
Motif name:	TFM3
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	8
Number of overlap:	11
Similarity score:	0.0217516

Alignment:
 TWAAWTTVTGAAAAHWW
 DHACATTCTGH-----

Original motif Consensus sequence: WWHTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TWAAWTTVTGAAAAHWW



Dataset #: 4
Motif ID: 40
Motif name: kcACCTGCAGc
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0238442

Alignment:

BCACCTGCABC

DHACATTCTGH

Original motif Consensus sequence: BCACCTGCABC



Reverse complement motif Consensus sequence: GBTGCAGGTGB

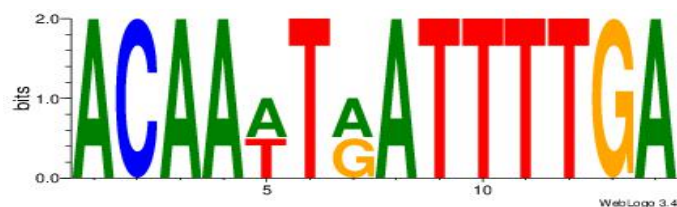


Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0258838

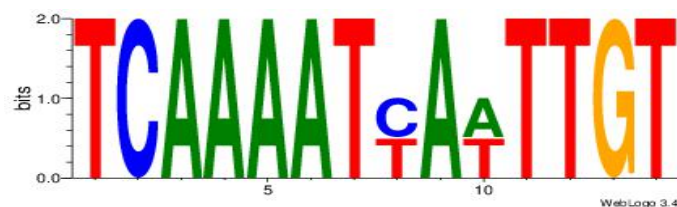
Alignment:

TCAAAATKAWTTGT
 HCAGAATGTHD---

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTGT



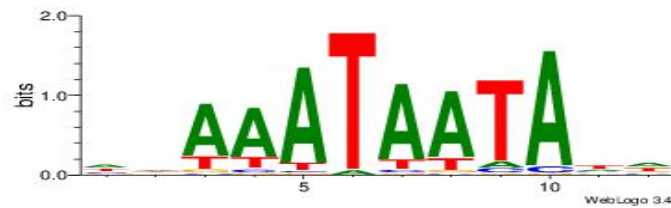
Dataset #: 4
 Motif ID: 41
 Motif name: wwAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11

Similarity score: 0.0292508

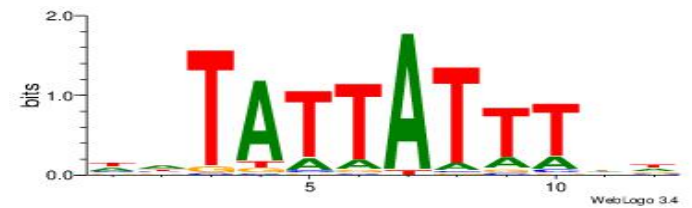
Alignment:

DDTATTATTTDH
-HCAGAATGTHD

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH



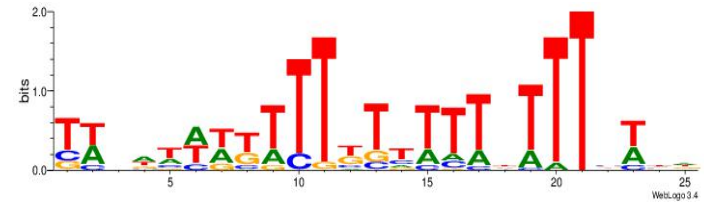
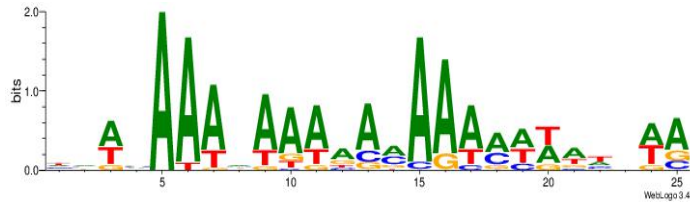
Dataset #: 5
Motif ID: 56
Motif name: TFM11
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 11
Similarity score: 0.0307858

Alignment:

TWVHWWWYTTTYTTTTHTTTVWBH
----DHACATTCTGH-----

Original motif Consensus sequence:
HDWVAAAHAAAAAMAAAMWWWHBWA

Reverse complement motif Consensus sequence:
TWVHWWWYTTTYTTTTHTTTVWBH

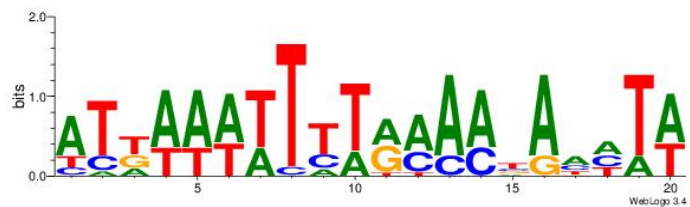


Dataset #: 5
 Motif ID: 55
 Motif name: TFM13
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 9
 Number of overlap: 11
 Similarity score: 0.0357323

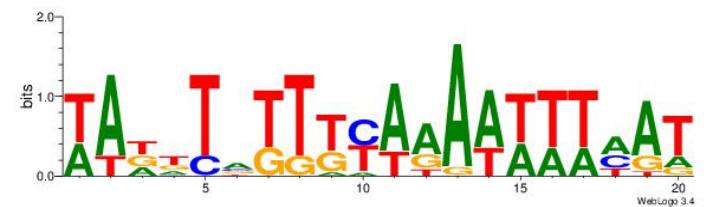
Alignment:

ATKAAWTTTTRMAABAHTW
 -DHACATTCTGH-----

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT

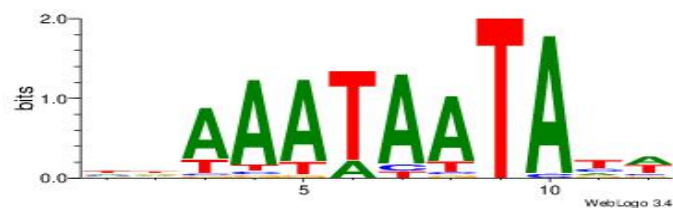


Dataset #: 4

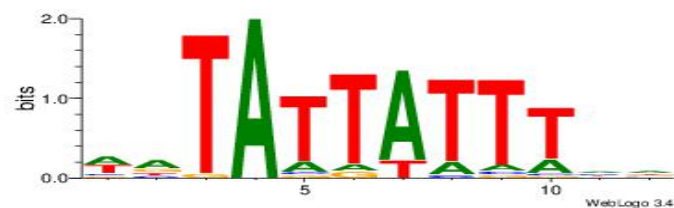
Motif ID: 37
 Motif name: tkAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0364899

Alignment:
 WHTATTATTTDH
 -HCAGAATGTHD

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0400884

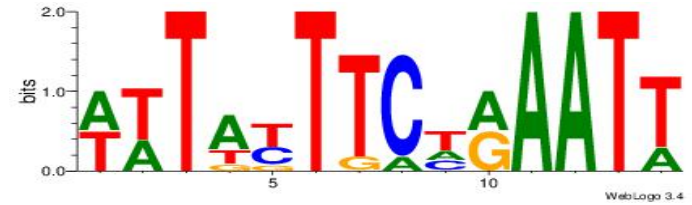
Alignment:

AATTYDGAARTAWW
HCAGAATGTHD---

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAT



Dataset #: 4
Motif ID: 39
Motif name: kCAGCCAATmr
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 11
Similarity score: 0.0412582

Alignment:

MBATTGGCTGH
DHACATTCTGH

Original motif Consensus sequence: DCAGCCAATVR

Reverse complement motif Consensus sequence: MBATTGGCTGH



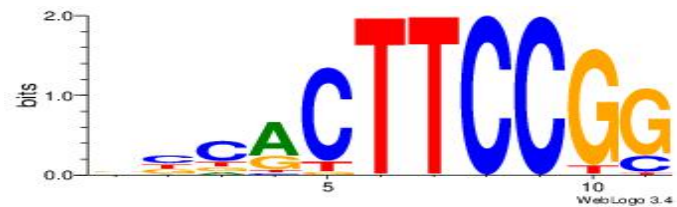
Dataset #: 3
 Motif ID: 35
 Motif name: GABPA
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0418896

Alignment:
 CCGGAAGTGVV
 HCAGAATGTHD

Original motif Consensus sequence: CCGGAAGTGVV

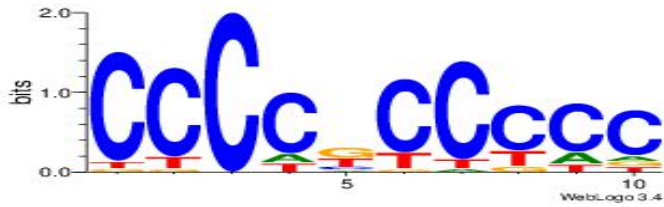


Reverse complement motif Consensus sequence: VVCACTTCCGG



Dataset #: 3 Motif ID: 24 Motif name: SP1

Original motif Consensus sequence: CCCCKCCCC



Reverse complement motif Consensus sequence: GGGGYGGGG



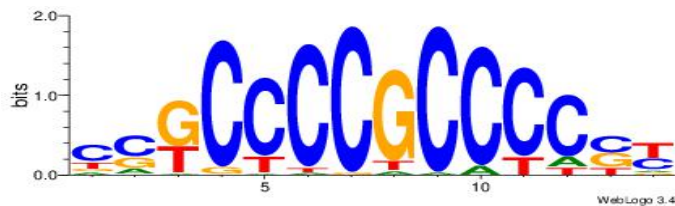
Best Matches for Significant Motif ID 24 (Highest to Lowest)

Dataset #:	2
Motif ID:	7
Motif name:	Motif 7
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0.00451594

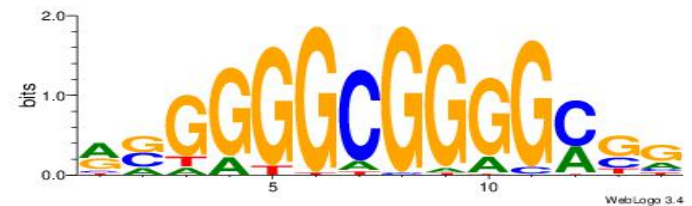
Alignment:

```
MSGGGGCGGGYSG  
-GGGGGYGGGG---
```

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGY

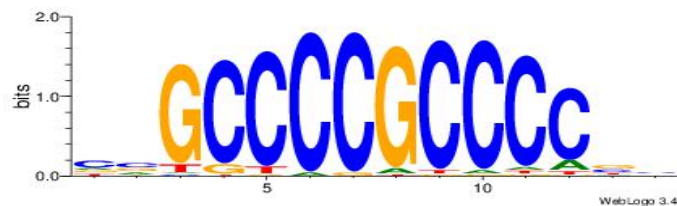


Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.00965796

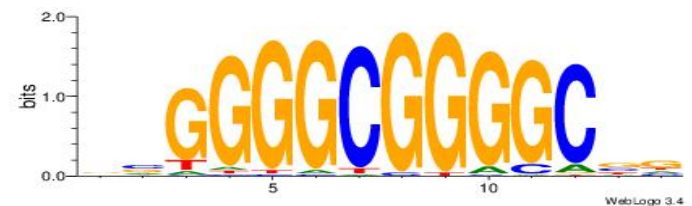
Alignment:

HVGCCCCGCCCCBB
 ---CCCKCCCC-

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC



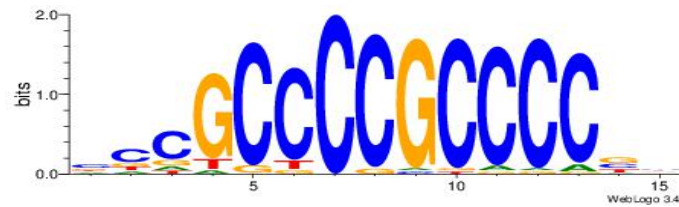
Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 10

Similarity score: 0.0127292

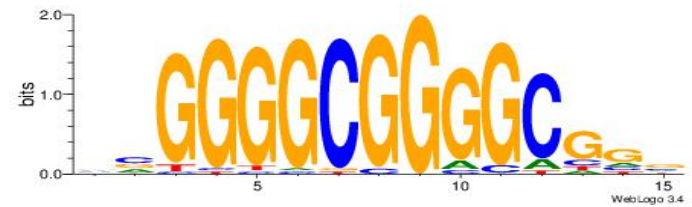
Alignment:

BCCGCCCCGCCCCBB
----CCCCKCCCC--

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB



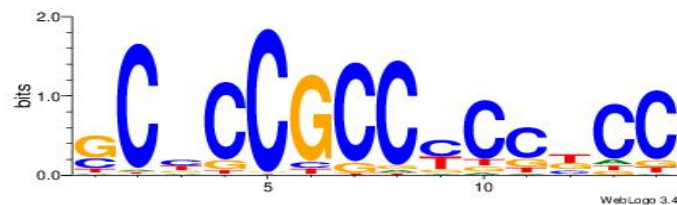
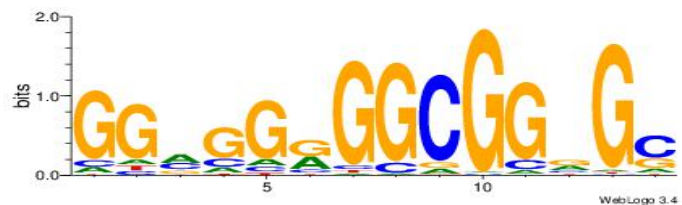
Dataset #: 5
Motif ID: 50
Motif name: TFF11
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 10
Similarity score: 0.0174405

Alignment:

GGMGGRGGCGGVGC
---GGGGYGGGG--

Original motif Consensus sequence: GGMGGRGGCGGVGC

Reverse complement motif Consensus sequence: GCVCCGCCMCCY



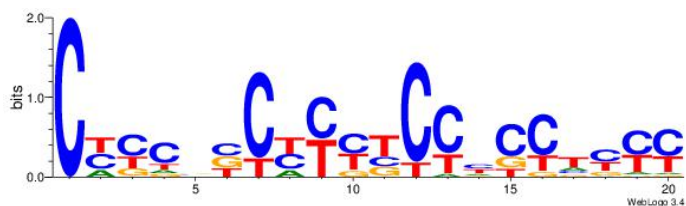
Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0301548

Alignment:

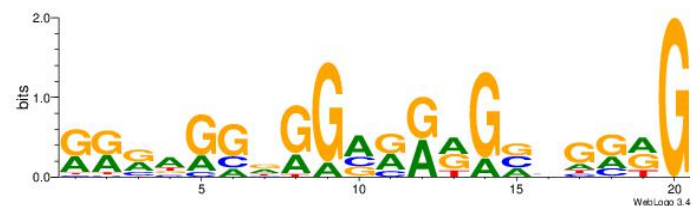
```

CYYCBBCYYYTCCHCCTYYY
-----CCCCKCCCC-----
  
```

Original motif Consensus sequence: CYYCBBCYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG



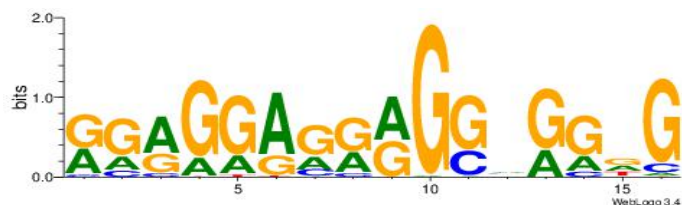
Dataset #: 5

Motif ID: 51
 Motif name: TFM2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0329167

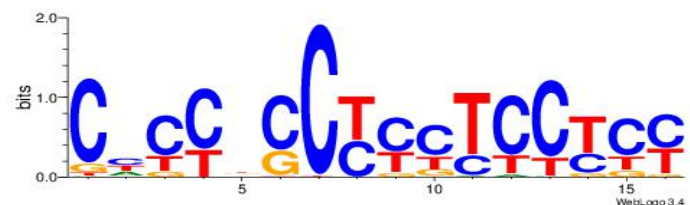
Alignment:

RGRGGAGRRGGHGGDG
 -----GGGGGYGGGG

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCCKMCTCCKCM



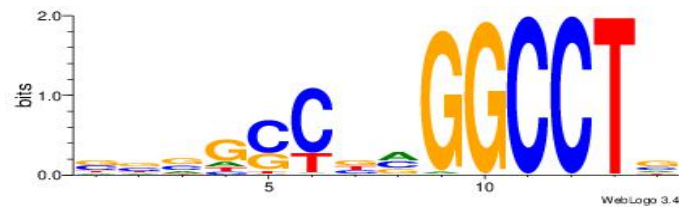
Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 10

Similarity score: 0.0540825

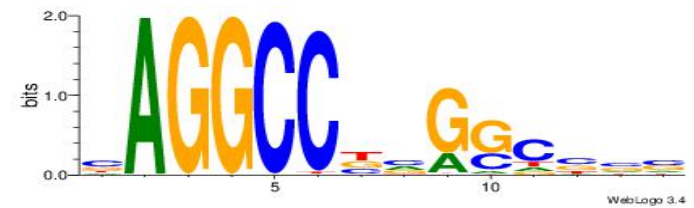
Alignment:

BBVGCCBVGGCCTV
----GGGGGYGGGG

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCV



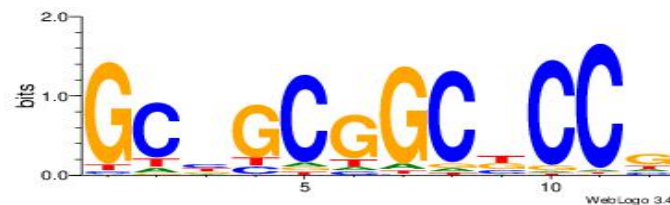
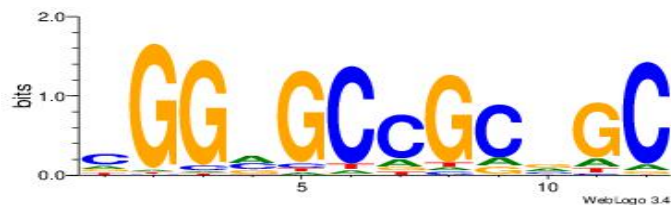
Dataset #: 5
Motif ID: 49
Motif name: TFF1
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 10
Similarity score: 0.0557738

Alignment:

GCVGCGGCBCCG
-CCCCKCCCC-

Original motif Consensus sequence: CGVGCCGCVGC

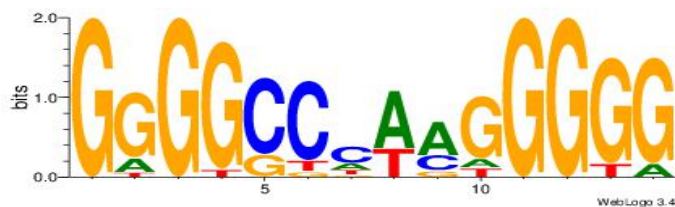
Reverse complement motif Consensus sequence: GCVGCGGCBCCG



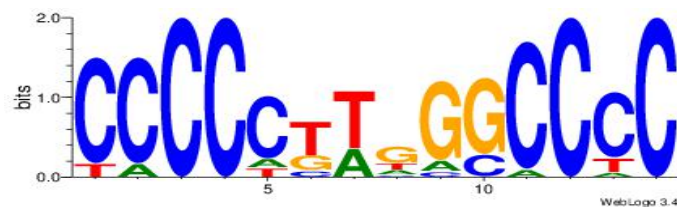
Dataset #: 3
 Motif ID: 30
 Motif name: PLAG1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0600992

Alignment:
 CCCCCTGGGCCCC
 -CCCCKCCCC---

Original motif Consensus sequence: GGGGCCAAGGGG



Reverse complement motif Consensus sequence: CCCCCTGGGCCCC



Dataset #: 3
 Motif ID: 27

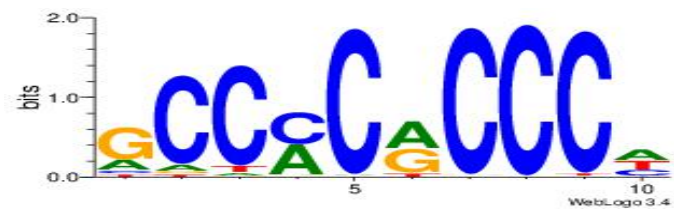
Motif name: Klf4
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0637183

Alignment:
 GCCYCMCCCD
 CCCCKCCCC

Original motif Consensus sequence: DGGGYGKGGC



Reverse complement motif Consensus sequence: GCCYCMCCCD



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

Original motif Consensus sequence: YGCGTG



Reverse complement motif Consensus sequence: CACGCM



Best Matches for Significant Motif ID 32 (Highest to Lowest)

Dataset #: 3
 Motif ID: 23
 Motif name: Egr1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 6
 Similarity score: 0

Alignment:

YGCCCCACGCH
 -----CACGCM

Original motif Consensus sequence: HGCGTGGGCGK



Reverse complement motif Consensus sequence: YGCCCCACGCH



Dataset #: 3
 Motif ID: 29
 Motif name: HIF1AARNT
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 6

Similarity score: 0.0112447

Alignment:
VBACGTGV
-YGCGTG-

Original motif Consensus sequence: VBACGTGV



Reverse complement motif Consensus sequence: VCACGTBV

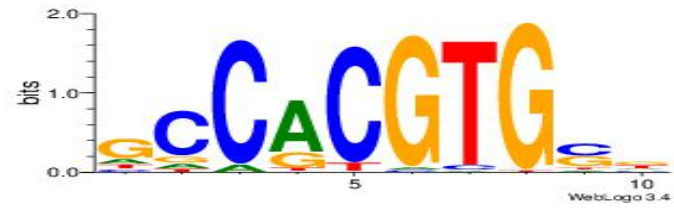


Dataset #: 3
Motif ID: 33
Motif name: Mycn
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 6
Similarity score: 0.0377949

Alignment:
GCCACGTGSD
--YGCGTG--

Original motif Consensus sequence: HSCACGTGGC

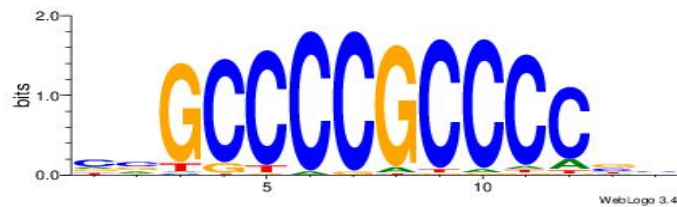
Reverse complement motif Consensus sequence: GCCACGTGSD



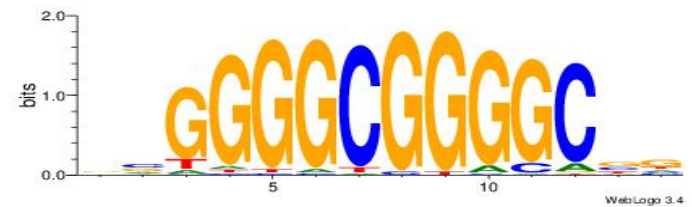
Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 6
 Similarity score: 0.0396403

Alignment:
 HVGCCCCGCCCCBB
 ----CACGCM----

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGCGGGGC



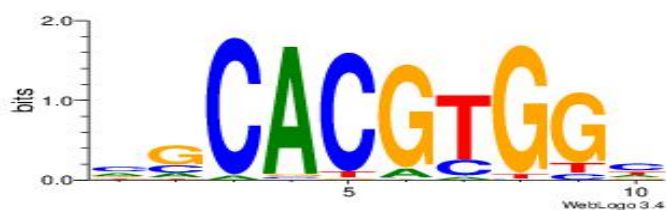
Dataset #: 3
 Motif ID: 34

Motif name:	Myc
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	6
Similarity score:	0.0399214

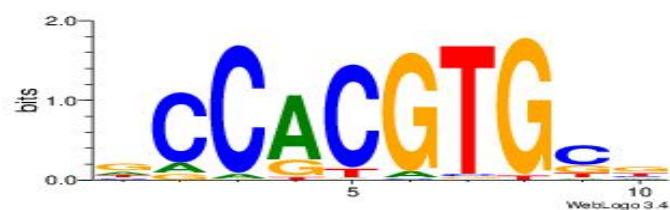
Alignment:

DCCACGTGCV
 --YGCGTG--

Original motif Consensus sequence: VGCACGTGGH



Reverse complement motif Consensus sequence: DCCACGTGCV



Dataset #:	1
Motif ID:	1
Motif name:	Motif 1
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	6
Similarity score:	0.040625

Alignment:
GCCCCGCC
--CACGCM

Original motif Consensus sequence: GGC~~G~~GGC



Reverse complement motif Consensus sequence: GCCCCGCC

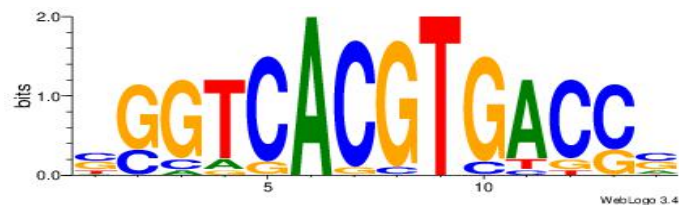
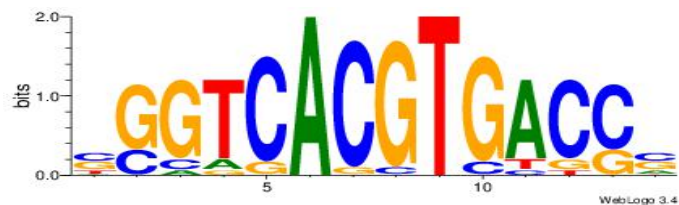


Dataset #: 4
Motif ID: 42
Motif name: sSGTCACGTGACCS
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 5
Number of overlap: 6
Similarity score: 0.0412037

Alignment:
SGGTCACGTGACCS
----YGCGTG----

Original motif Consensus sequence: SGGTCACGTGACCS

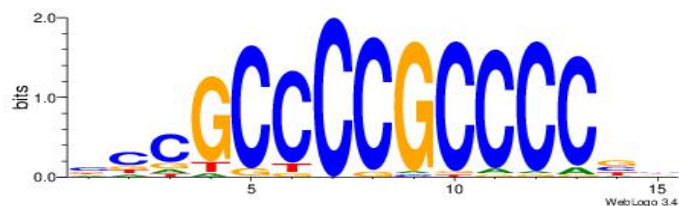
Reverse complement motif Consensus sequence: SGGTCACGTGACCS



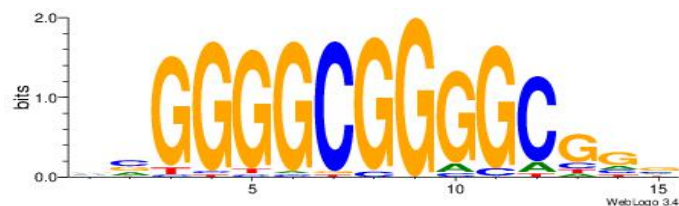
Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0425089

Alignment:
 BCCGCCCCGCCCCBB
 -----CACGCM-----

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

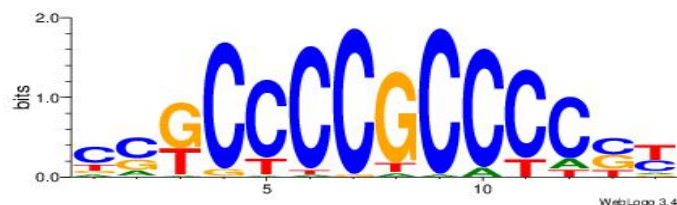


Dataset #: 2

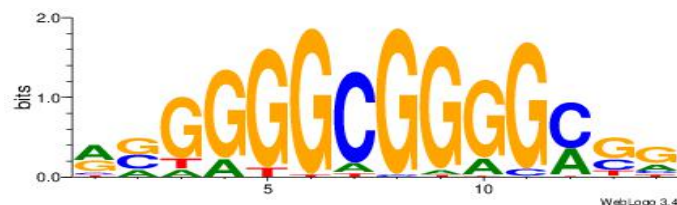
Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 6
 Similarity score: 0.0465867

Alignment:
 MSGGGGCGGGYSG
 ----YGCGTG----

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGY



Dataset #: 5
 Motif ID: 47
 Motif name: TFW2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 6
 Similarity score: 0.0469722

Alignment:
SCGCGCGG
-YGCGTG-

Original motif Consensus sequence: SCGCGCGG



Reverse complement motif Consensus sequence: CCGCGCGS

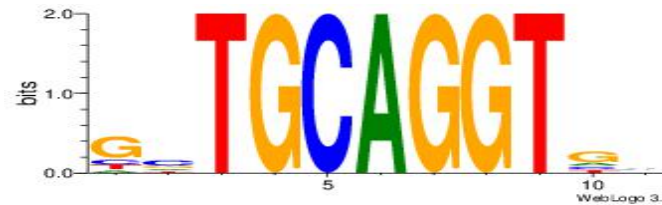


Dataset #: 4 Motif ID: 40 Motif name: kcACCTGCAGc

Original motif Consensus sequence: BCACCTGCABC



Reverse complement motif Consensus sequence: GBTGCAGGTGB



Best Matches for Significant Motif ID 40 (Highest to Lowest)

Dataset #:	4
Motif ID:	43
Motif name:	wSTACwGTAsw
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1

Number of overlap: 11
Similarity score: 0.0215284

Alignment:
DBTACWGTAVH
BCACCTGCABC

Original motif Consensus sequence: HVTACWGTABD



Reverse complement motif Consensus sequence: DBTACWGTAVH

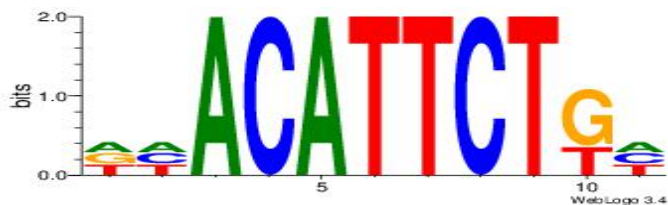


Dataset #: 4
Motif ID: 44
Motif name: dhACATTCTkh
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0254134

Alignment:
DHACATTCTGH
BCACCTGCABC

Original motif Consensus sequence: DHACATTCTGH

Reverse complement motif Consensus sequence: HCAGAATGTHD

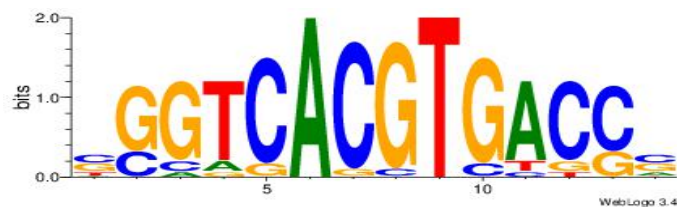


Dataset #: 4
 Motif ID: 42
 Motif name: sSGTCACGTGACCS
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.031338

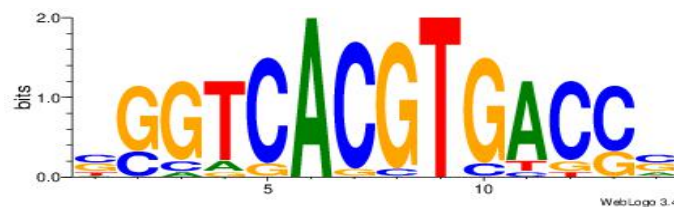
Alignment:

SGGTCACGTGACCS
 ---BCACCTGCABC

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS



Dataset #: 5
 Motif ID: 50

Motif name: TFF11
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.034471

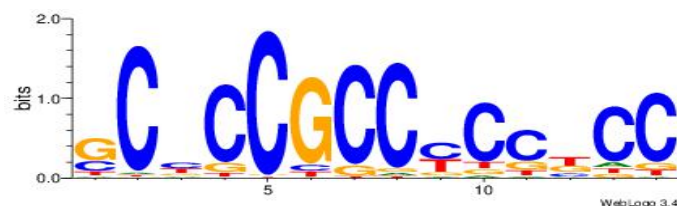
Alignment:

GCVCCGCCMCCYCC
 BCACCTGCABC---

Original motif Consensus sequence: GGMGRRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC

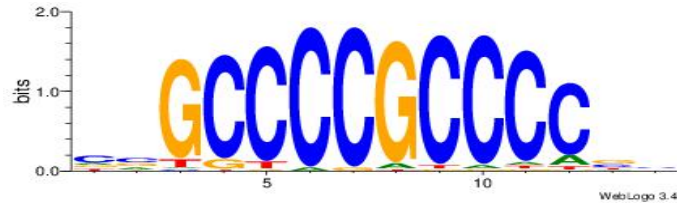


Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0402518

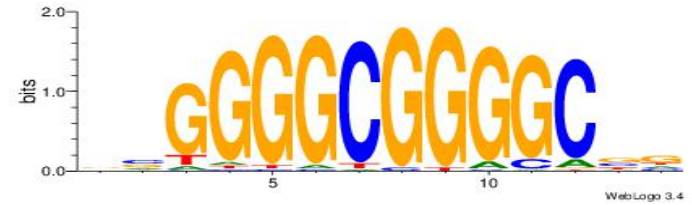
Alignment:

HVGCCCCGCCCCBB
-BCACCTGCABC--

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC



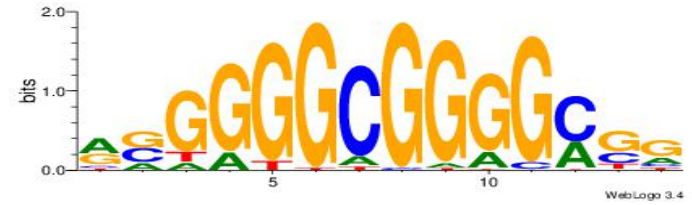
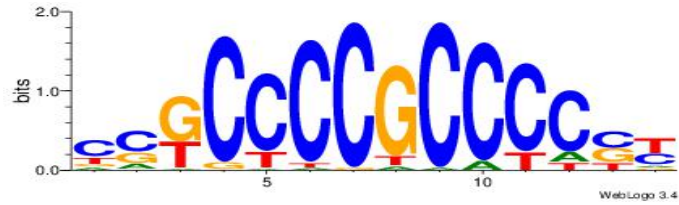
Dataset #:	2
Motif ID:	7
Motif name:	Motif 7
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	11
Similarity score:	0.0411257

Alignment:

CSKCCCCGCCCCSY
-BCACCTGCABC--

Original motif Consensus sequence: CSKCCCCGCCCCSY

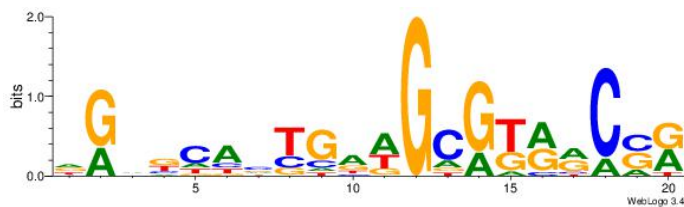
Reverse complement motif Consensus sequence: MSGGGGCGGGGY



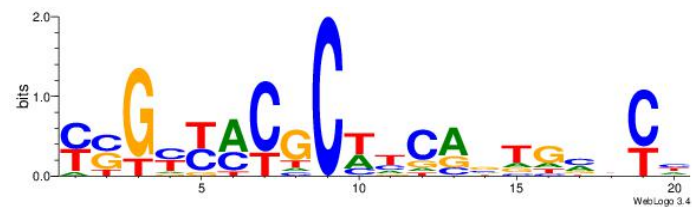
Dataset #: 3
 Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0420218

Alignment:
 DGVCABTGDWCGKRRCSR
 ----GBTGCAGGTGB-----

Original motif Consensus sequence: DGVCABTGDWCGKRRCSR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD



Dataset #: 3

Motif ID: 35
 Motif name: GABPA
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0423275

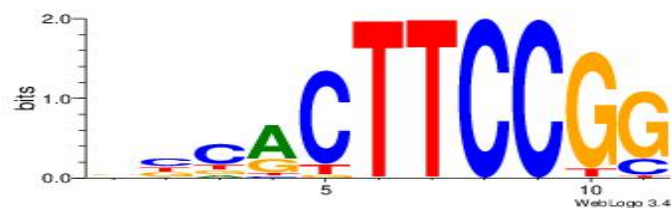
Alignment:

CCGGAAGTGVV
 GTGCAGGTGB

Original motif Consensus sequence: CCGGAAGTGVV



Reverse complement motif Consensus sequence: VVCACTTCGG



Dataset #: 4
 Motif ID: 39
 Motif name: kCAGCCAATmr
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0439586

Alignment:

DCAGCCAATVR
GBTGCAGGTGB

Original motif Consensus sequence: DCAGCCAATVR



Reverse complement motif Consensus sequence: MBATTGGCTGH



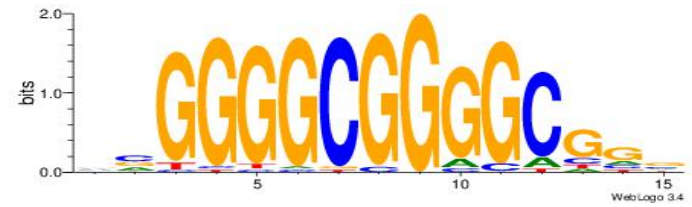
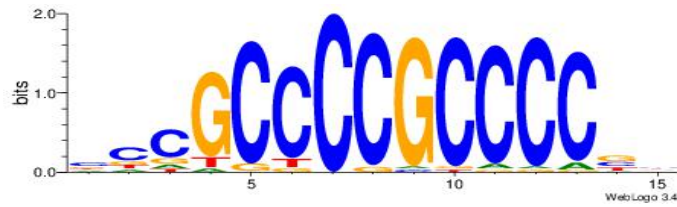
Dataset #: 4
Motif ID: 38
Motif name: cccGCCCCGCCCCsb
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 11
Similarity score: 0.0461444

Alignment:

BCCGCCCCGCCCCBB
--BCACCTGCABC--

Original motif Consensus sequence: BCCGCCCCGCCCCBB

Reverse complement motif Consensus sequence:
BBGGGGCGGGGCGGB



Dataset #: 4 Motif ID: 43 Motif name: wsTACwGTAsw

Original motif Consensus sequence: HVTACWG TABD



Reverse complement motif Consensus sequence: DBTACWGTAVH

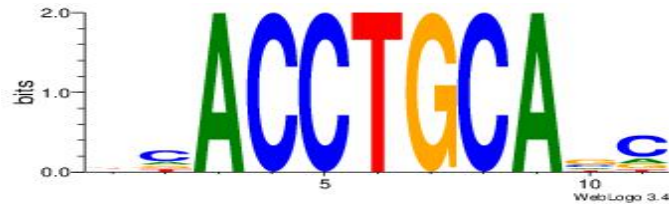


Best Matches for Significant Motif ID 43 (Highest to Lowest)

Dataset #:	4
Motif ID:	40
Motif name:	kcACCTGCAGc
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	11
Similarity score:	0.0199592

Alignment:
 GBTGCAGGTGB
 HVTACWG TABD

Original motif Consensus sequence: BCACCTGCABC



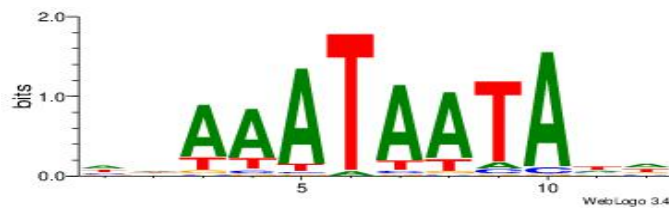
Reverse complement motif Consensus sequence: GBTGCAGGTGB



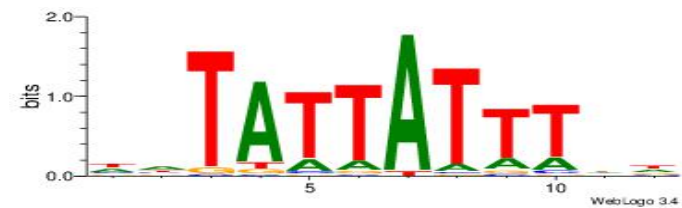
Dataset #: 4
Motif ID: 41
Motif name: wwAAATAATAtw
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0309343

Alignment:
DDTATTATTTDH
-HVTACWG TABD

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH

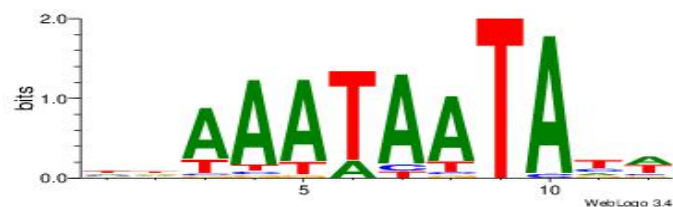


Dataset #: 4
 Motif ID: 37
 Motif name: tkAAATAATAtw
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0337121

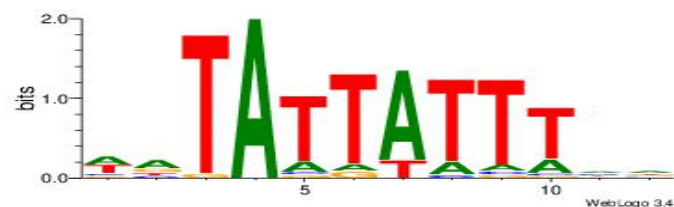
Alignment:

WHTATTATTTDH
 -HVTACWGTABD

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11

Similarity score: 0.0353535

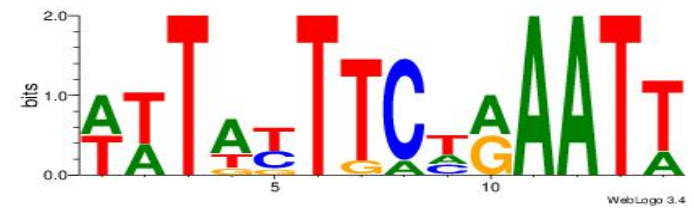
Alignment:

AATTYDGAARTAWW
HVTACWGTABD---

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAT



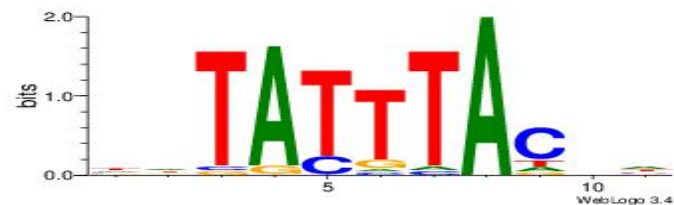
Dataset #: 4
Motif ID: 45
Motif name: wbgTAAATAww
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.037518

Alignment:

DBGTAAATAHD
DBTACWGTAVH

Original motif Consensus sequence: DBGTAAATAHD

Reverse complement motif Consensus sequence: DHTATTTACBD

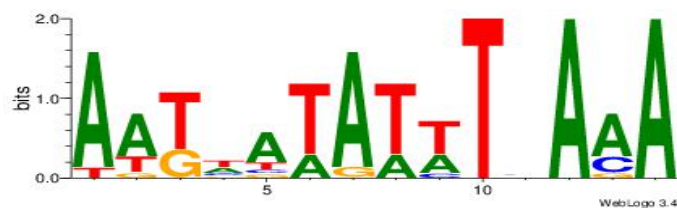


Dataset #: 2
 Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0397727

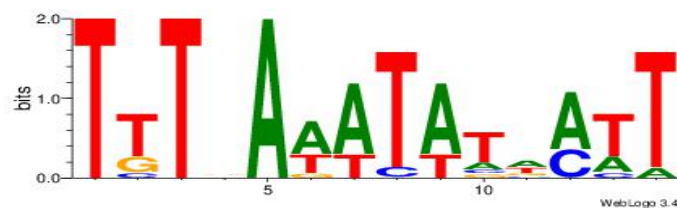
Alignment:

TTTDAWATATHATT
 DBTACWGTAVH---

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHATT



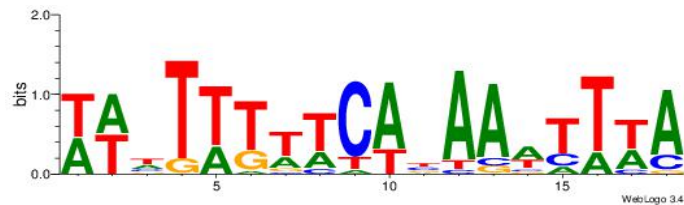
Dataset #: 5
 Motif ID: 53

Motif name: TFM3
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0413797

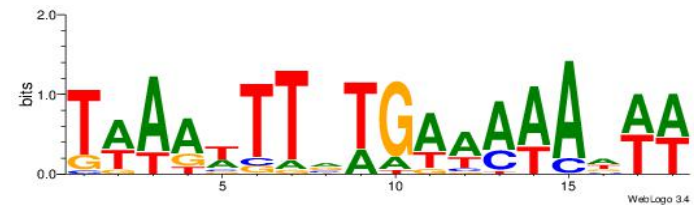
Alignment:

TWAAWTTVTGAAAAHWW
 ---HVTACWG TABD-----

Original motif Consensus sequence: WWHTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TWAAWTTVTGAAAAHWW

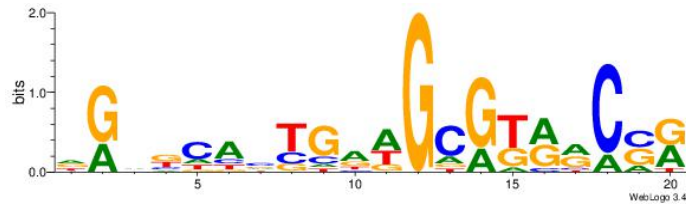


Dataset #: 3
 Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.042298

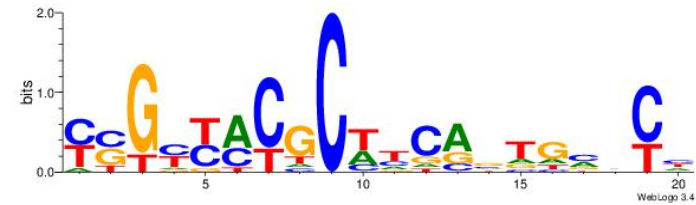
Alignment:

DGVBCABTGDWGCGRRCR
-----HVTACWGTABD-----

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence:
MSGKKRCGCWDCABTGBCD



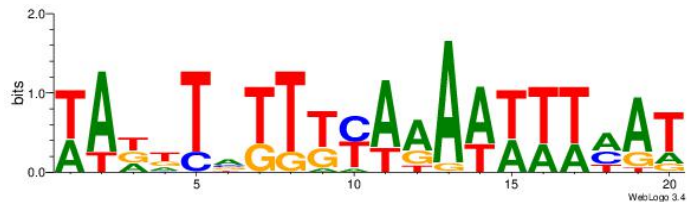
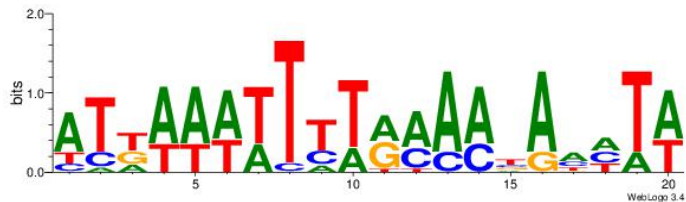
Dataset #: 5
Motif ID: 55
Motif name: TFM13
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.0445707

Alignment:

ATKAAWTTTTTRMAABAHTW
-----DBTACWGTAVH--

Original motif Consensus sequence: ATKAAWTTTTTRMAABAHTW

Reverse complement motif Consensus sequence:
WAHHTVTTYKAAAATTRAT



Dataset #: 2
 Motif ID: 19
 Motif name: Motif 19
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0460859

Alignment:

TTCWTAGATTAWA
 DBTACWGTAVH--

Original motif Consensus sequence: TTCWTAGATTAWA



Reverse complement motif Consensus sequence: TWTAATCTAWGAA



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

Original motif Consensus sequence: ATAAAA



Reverse complement motif Consensus sequence: TTTTAT



Best Matches for Significant Motif ID 21 (Highest to Lowest)

Dataset #: 2
 Motif ID: 15
 Motif name: Motif 15
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 6
 Similarity score: 0

Alignment:

```
TTTTATTGTYAT
TTTTAT-----
```

Original motif Consensus sequence: ATMACAATAAAA



Reverse complement motif Consensus sequence: TTTTATTGTYAT

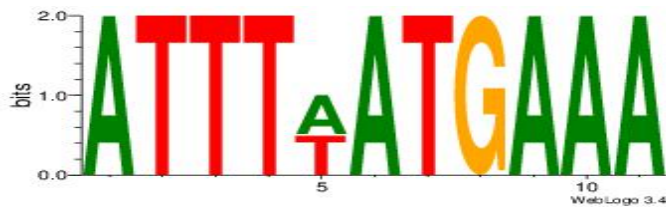


Dataset #: 2
 Motif ID: 11
 Motif name: Motif 11
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 6
 Similarity score: 0.0208333

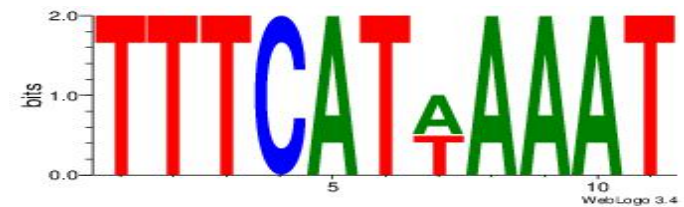
Alignment:

TTTCATWAAAT
 -ATAAAA-----

Original motif Consensus sequence: ATTTWATGAAA



Reverse complement motif Consensus sequence: TTTCATWAAAT



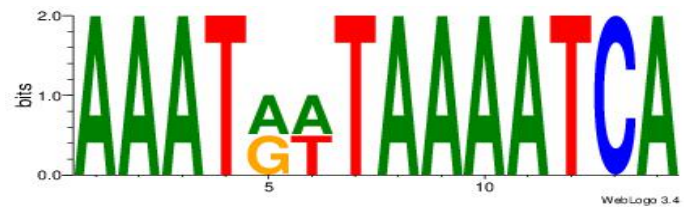
Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 6

Similarity score: 0.0208333

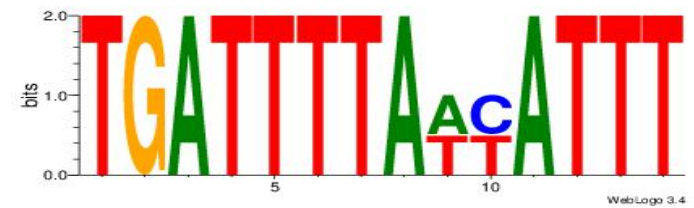
Alignment:

AAATRWTAATAATCA
-----ATAAAA----

Original motif Consensus sequence: AAATRWTAATAATCA



Reverse complement motif Consensus sequence: TGATTTTAWKATT



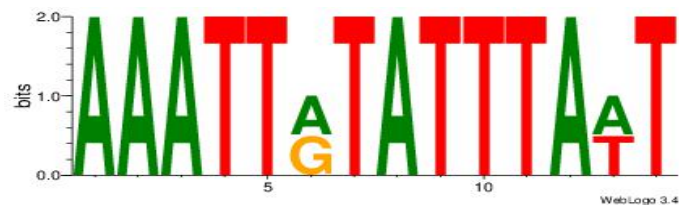
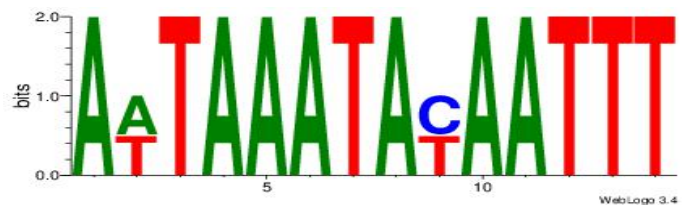
Dataset #: 2
Motif ID: 5
Motif name: Motif 5
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 6
Number of overlap: 6
Similarity score: 0.0208333

Alignment:

AAATTKTATTTAWT
---TTTTAT-----

Original motif Consensus sequence: AWTAAATAYAATTT

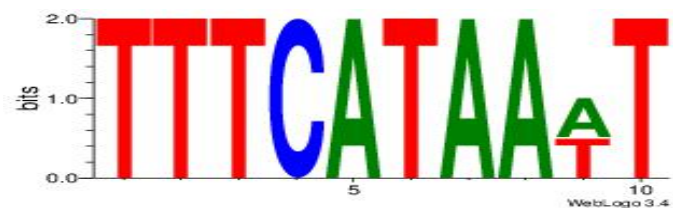
Reverse complement motif Consensus sequence: AAATTKTATTTAW



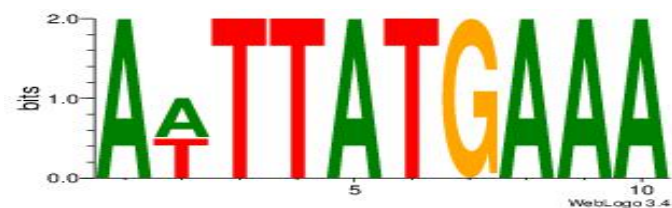
Dataset #: 2
 Motif ID: 10
 Motif name: Motif 10
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 6
 Similarity score: 0.0416667

Alignment:
 TTTCATAAWT
 ----TTTTAT

Original motif Consensus sequence: TTTCATAAWT



Reverse complement motif Consensus sequence: AWTATGAAA



Dataset #: 2
 Motif ID: 14

Motif name: Motif 14
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 6
 Similarity score: 0.0625

Alignment:
 AWAAATAA
 ATAAAA--

Original motif Consensus sequence: AWAAATAA



Reverse complement motif Consensus sequence: TTATTTWT

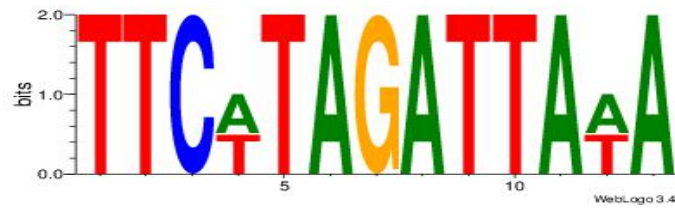


Dataset #: 2
 Motif ID: 19
 Motif name: Motif 19
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 6
 Similarity score: 0.0625

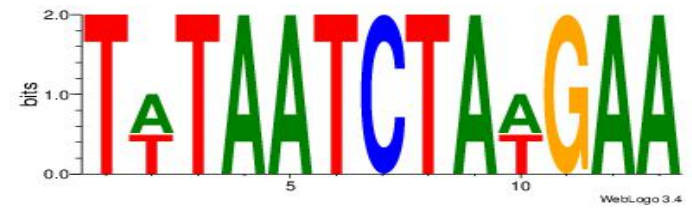
Alignment:

TWTAATCTAWGAA
TTTTAT-----

Original motif Consensus sequence: TTCWTAGATTAWA



Reverse complement motif Consensus sequence: TWTAATCTAWGAA



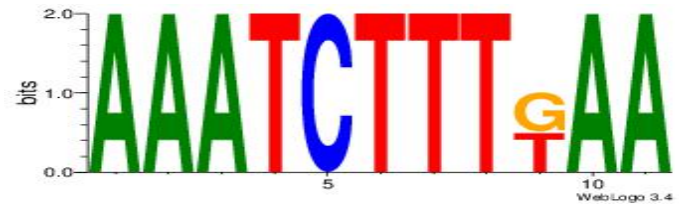
Dataset #:	2
Motif ID:	20
Motif name:	Motif 20
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	6
Number of overlap:	6
Similarity score:	0.0625

Alignment:

TTMAAAGATTT
ATAAAA-----

Original motif Consensus sequence: TTMAAAGATTT

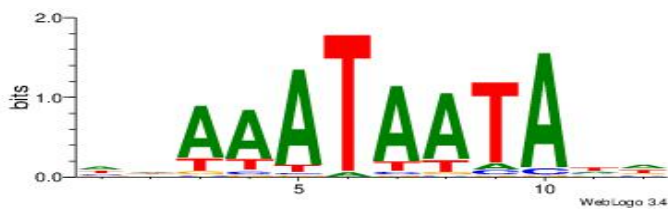
Reverse complement motif Consensus sequence: AAATCTTYAA



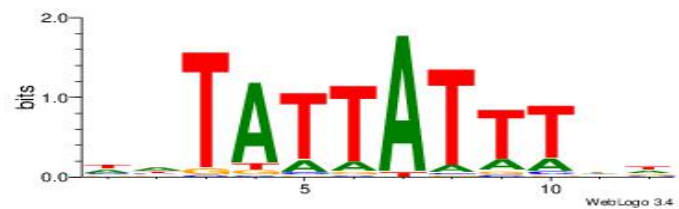
Dataset #: 4
 Motif ID: 41
 Motif name: wwAAATAATw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 6
 Similarity score: 0.0632716

Alignment:
 DDTATTATTTDH
 --TTTTAT----

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH



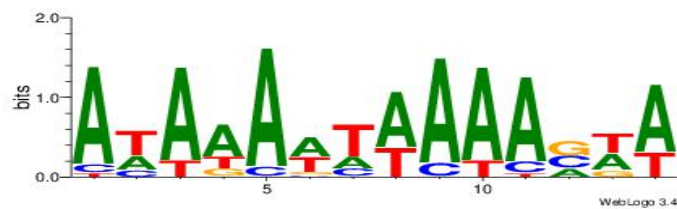
Dataset #: 2
 Motif ID: 3

Motif name: Motif 3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 6
 Similarity score: 0.0689103

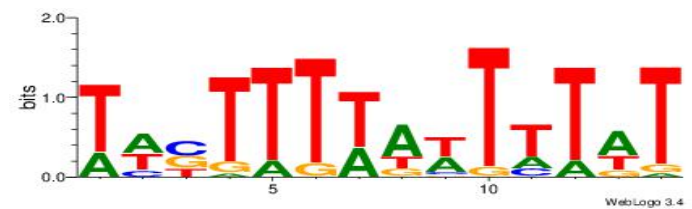
Alignment:

TWSTTTWAWTTTWT
 ---TTTAT-----

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTTWT



Dataset #: 3 Motif ID: 29 Motif name: HIF1AARNT

Original motif Consensus sequence: VBACGTGV



Reverse complement motif Consensus sequence: VCACGTBV



Best Matches for Significant Motif ID 29 (Highest to Lowest)

Dataset #: 3
 Motif ID: 33
 Motif name: Mycn
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.0123101

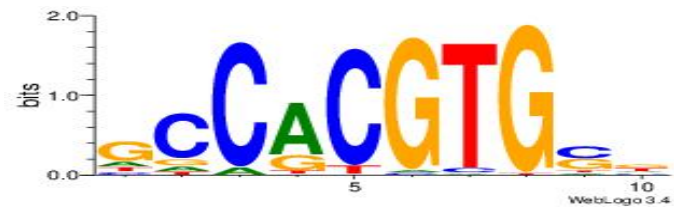
Alignment:

GCCACGTGSD
 -VBACGTGV-

Original motif Consensus sequence: HSCACGTGGC



Reverse complement motif Consensus sequence: GCCACGTGSD



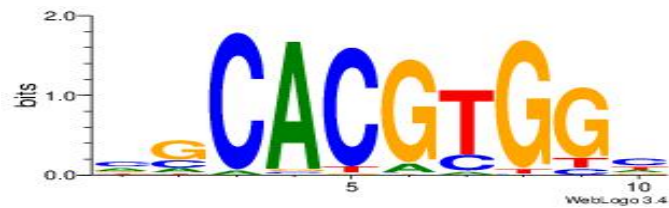
Dataset #: 3
 Motif ID: 34
 Motif name: Myc
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8

Similarity score: 0.0144491

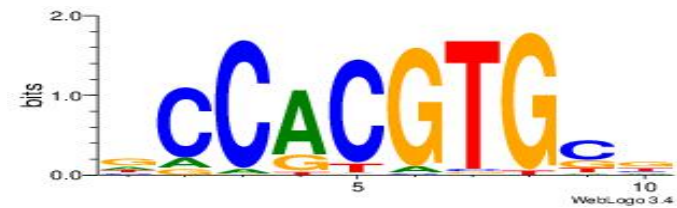
Alignment:

DCCACGTGCV
-VBACGTGV-

Original motif Consensus sequence: VGCACGTGGH



Reverse complement motif Consensus sequence: DCCACGTGCV



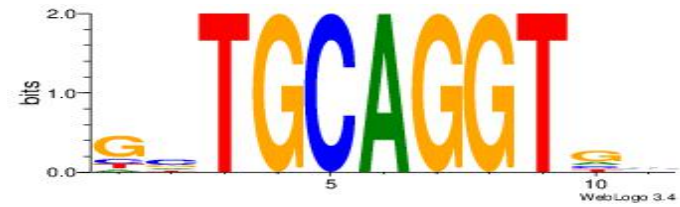
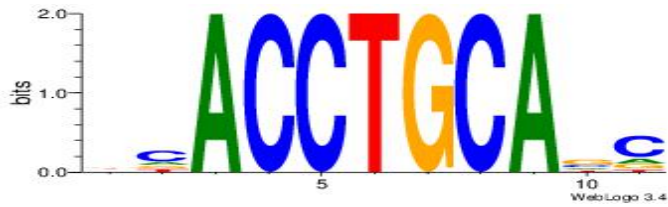
Dataset #: 4
Motif ID: 40
Motif name: kcACCTGCAGc
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 8
Similarity score: 0.0295473

Alignment:

GBTGCAGGTGB
---VCACGTBV

Original motif Consensus sequence: BCACCTGCABC

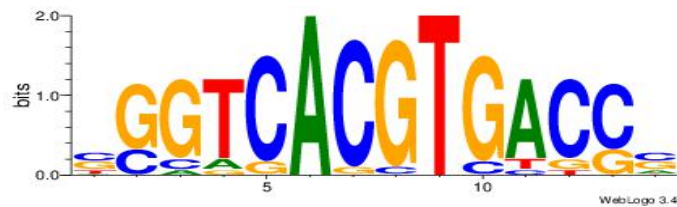
Reverse complement motif Consensus sequence: GBTGCAGGTGB



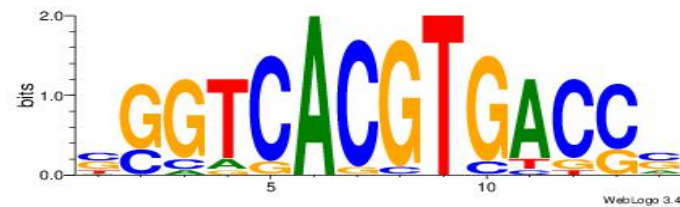
Dataset #: 4
 Motif ID: 42
 Motif name: sSGTCACGTGACCS
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0314837

Alignment:
 SGGTCACGTGACCS
 ---VCACGTBV---

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS



Dataset #: 3
 Motif ID: 26

Motif name: MIZF
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.0377204

Alignment:

GCGGACGTTV
 --VCACGTBV

Original motif Consensus sequence: BAACGTCCGC



Reverse complement motif Consensus sequence: GCGGACGTTV

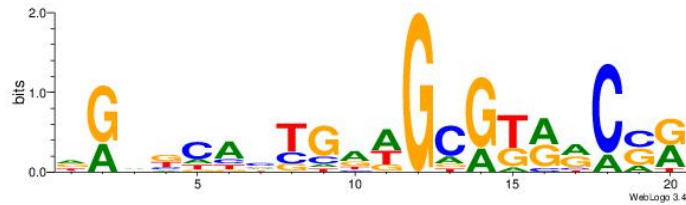


Dataset #: 3
 Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.0556891

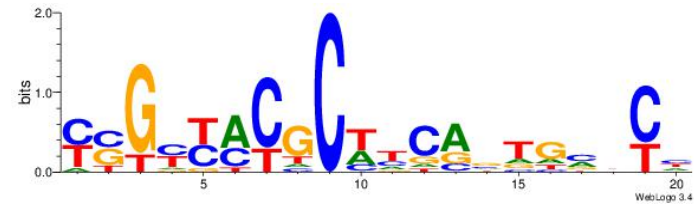
Alignment:

MSGKKRCGCWDCABTGBBCD
-----VCACGTBV-----

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence:
MSGKKRCGCWDCABTGBBCD



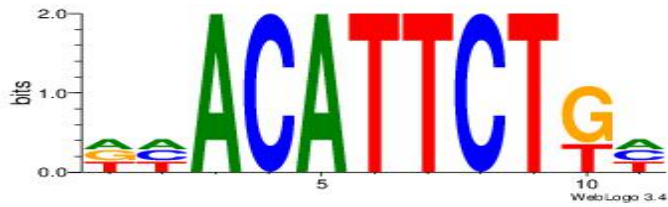
Dataset #: 4
Motif ID: 44
Motif name: dhACATTCTkh
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 8
Similarity score: 0.0640024

Alignment:

DHACATTCTGH
VCACGTBV---

Original motif Consensus sequence: DHACATTCTGH

Reverse complement motif Consensus sequence: HCAGAATGTHD



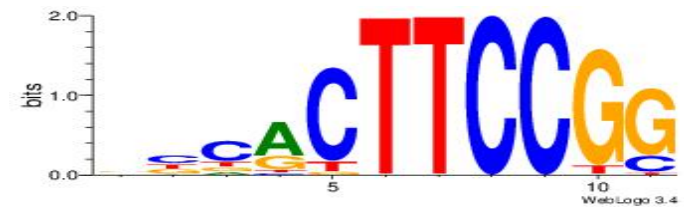
Dataset #: 3
 Motif ID: 35
 Motif name: GABPA
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.0648153

Alignment:
 CCGGAAGTG VV
 --VCACTTC GG--

Original motif Consensus sequence: CCGGAAGTG



Reverse complement motif Consensus sequence: VVCACTTCGG

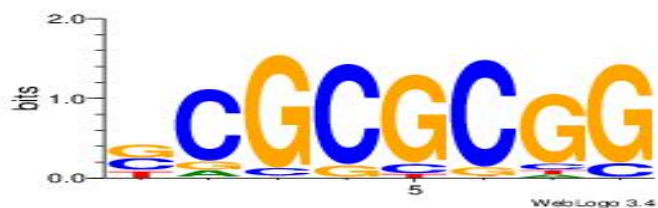


Dataset #: 5
 Motif ID: 47

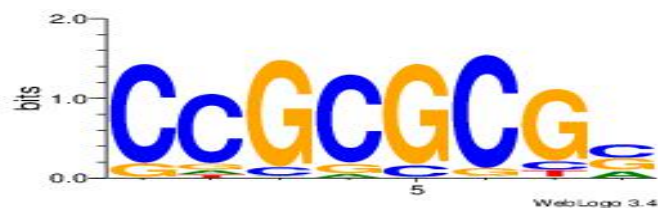
Motif name: TFW2
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.0660185

Alignment:
 CCGCGCGS
 VBACGTGV

Original motif Consensus sequence: SCGCGCGG



Reverse complement motif Consensus sequence: CCGCGCGS



Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.067219

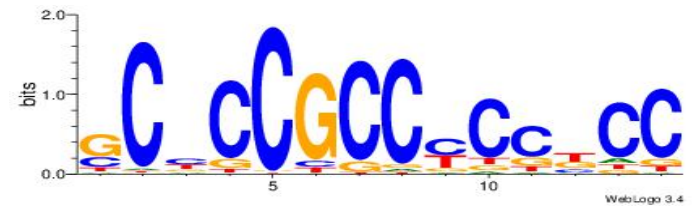
Alignment:

GCVCCGCCMCCYCC
-----VCACGTBV

Original motif Consensus sequence: GGMGRRGGCGGVGC

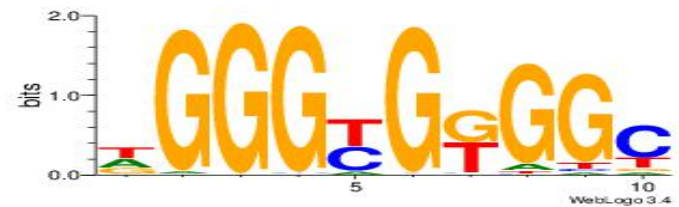


Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC

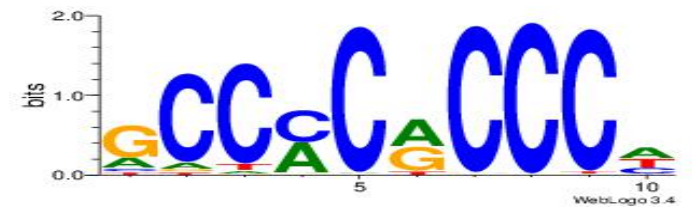


Dataset #: 3 Motif ID: 27 Motif name: Klf4

Original motif Consensus sequence: DGGGYGKGGC



Reverse complement motif Consensus sequence: GCCYCMCCCD



Best Matches for Significant Motif ID 27 (Highest to Lowest)

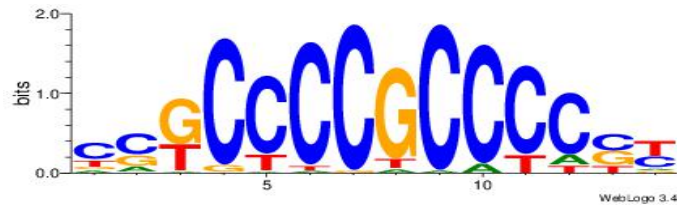
Dataset #:	2
Motif ID:	7
Motif name:	Motif 7
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3

Number of overlap: 10
Similarity score: 0.0152457

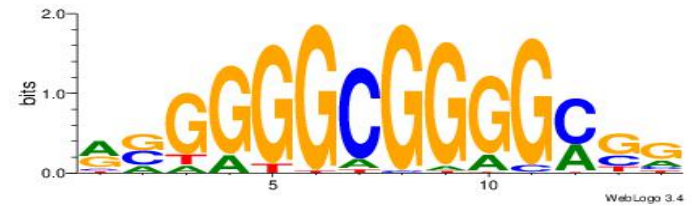
Alignment:

CSKCCCCGCCCCSY
--GCCYCMCCCD--

Original motif Consensus sequence: CSKCCCCGCCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGGY



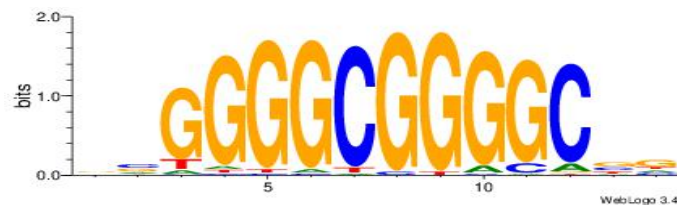
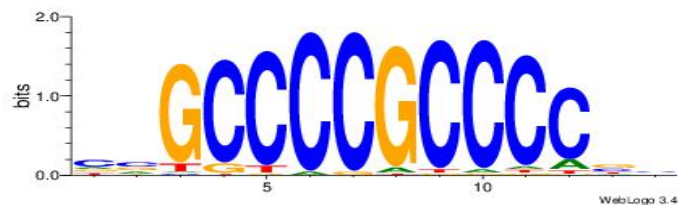
Dataset #: 4
Motif ID: 36
Motif name: csGCCCCGCCCCsc
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 10
Similarity score: 0.0160185

Alignment:

BBGGGGCGGGGCVD
--DGGGYGKGGC--

Original motif Consensus sequence: HVGCCCCGCCCCBB

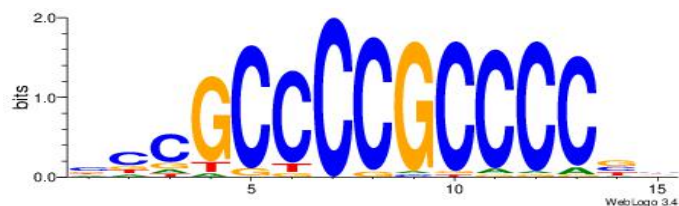
Reverse complement motif Consensus sequence: BBGGGGCGGGGC



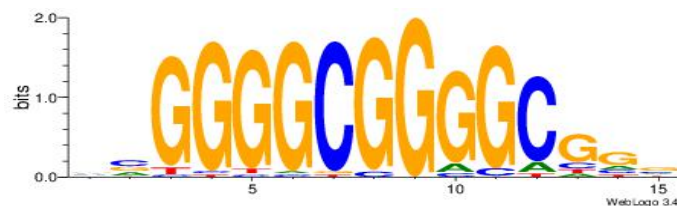
Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0194893

Alignment:
 BBGGGGCGGGGCGGB
 --DGGGYGKGGC---

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

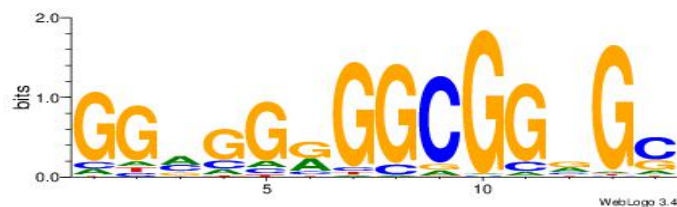


Dataset #: 5

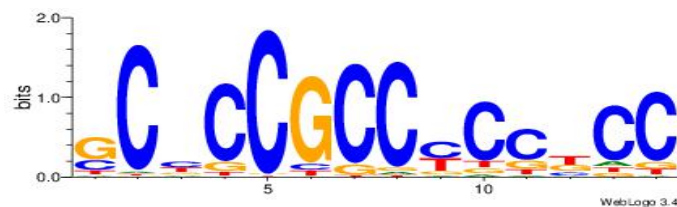
Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0402906

Alignment:
 GGMGGRGGCGGVGC
 ----DGGGYGKGGC

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC

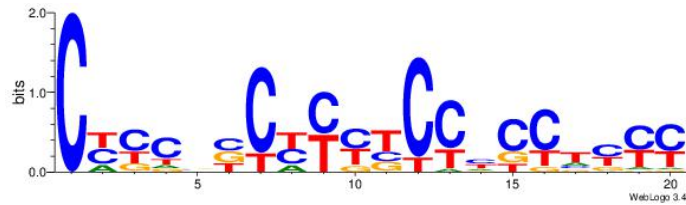


Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0556427

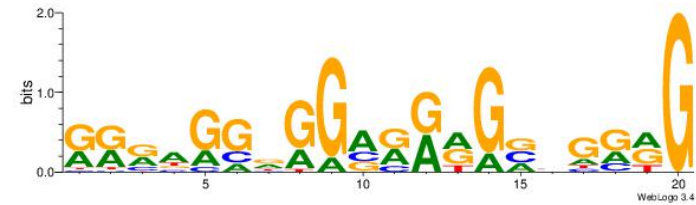
Alignment:

CYYCBBCYYYYTCCHCCTYYY
----GCCYCMCCCD-----

Original motif Consensus sequence: CYYCBBCYYYYTCCHCCTYYY



Reverse complement motif Consensus sequence:
KKKAGGDGGAKKMGBBGKMG



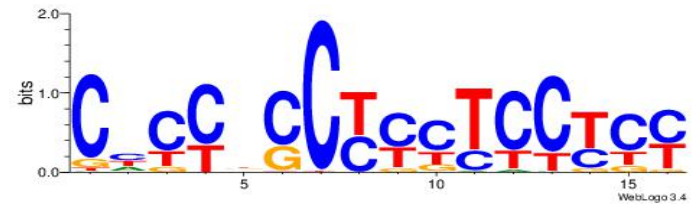
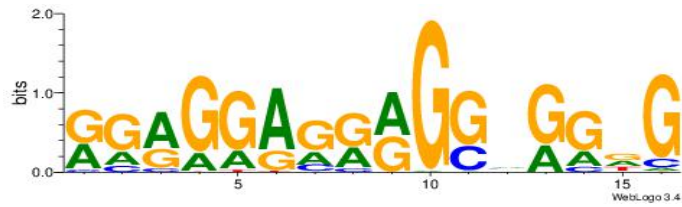
Dataset #: 5
Motif ID: 51
Motif name: TFM2
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 10
Similarity score: 0.0606033

Alignment:

CHCCBCKMCTCCKCM
----GCCYCMCCCD--

Original motif Consensus sequence: RGRGGAGRRGGHGGDG

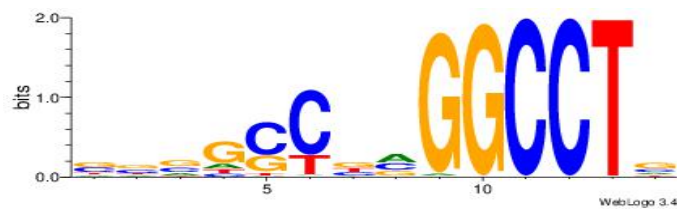
Reverse complement motif Consensus sequence:
CHCCBCKMCTCCKCM



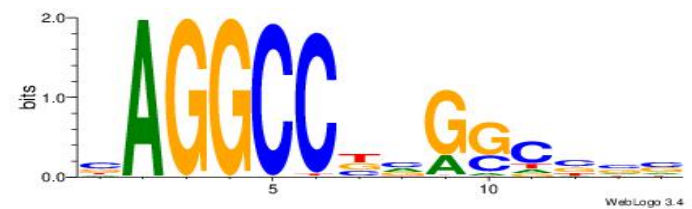
Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0623591

Alignment:
 BBVGCCBVGCCCTV
 -GCCYCMCCCD---

Original motif Consensus sequence: BBVGCCBVGCCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCV



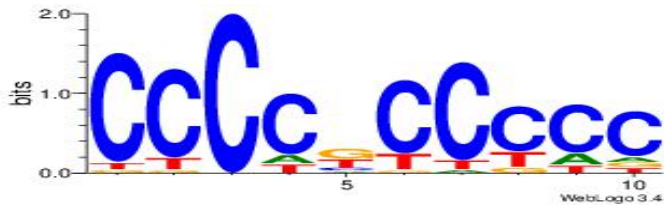
Dataset #: 3
 Motif ID: 24

Motif name: SP1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0663136

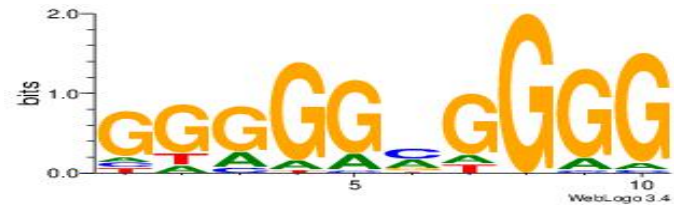
Alignment:

GGGGYGGGG
 DGGYGKGGC

Original motif Consensus sequence: CCCCKCCCC



Reverse complement motif Consensus sequence: GGGGYGGGG

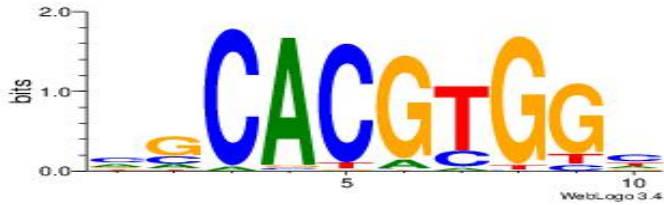


Dataset #: 3
 Motif ID: 34
 Motif name: Myc
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0686848

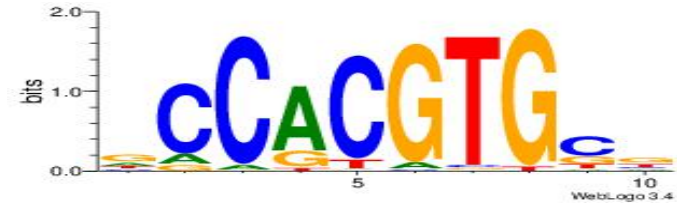
Alignment:

VGCACGTGGH
DGGGYGKGGC

Original motif Consensus sequence: VGCACGTGGH



Reverse complement motif Consensus sequence: DCCACGTGCV



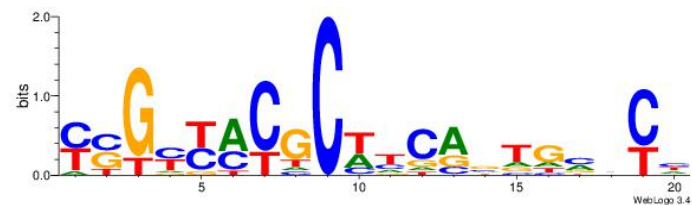
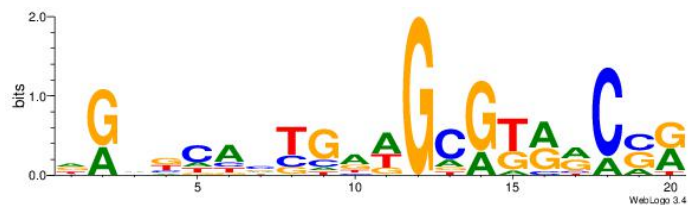
Dataset #:	3
Motif ID:	31
Motif name:	Pax5
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	9
Number of overlap:	10
Similarity score:	0.06956

Alignment:

DGVBCABTGDWCGKRRCSR
-----DGGGYGKGGC--

Original motif Consensus sequence: DGVBCABTGDWCGKRRCSR

Reverse complement motif Consensus sequence:
MSGKKRCGCWDCABTGBCD

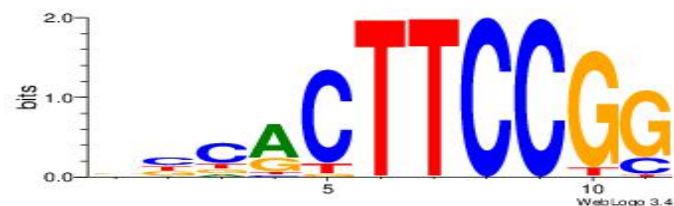


Dataset #: 3 Motif ID: 35 Motif name: GABPA

Original motif Consensus sequence: CCGGAAGTGVV



Reverse complement motif Consensus sequence: VVCACTTCGG



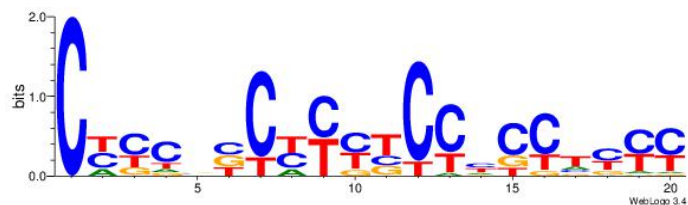
Best Matches for Significant Motif ID 35 (Highest to Lowest)

Dataset #:	5
Motif ID:	54
Motif name:	TFM12
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	5
Number of overlap:	11
Similarity score:	0.0360984

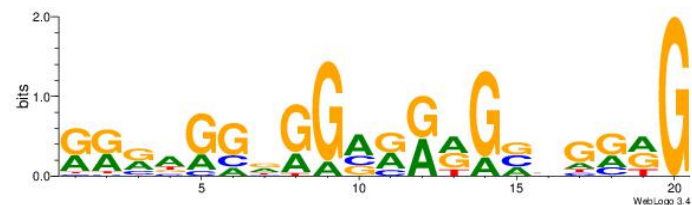
Alignment:

```
CYYCBBCYYYTCCHCCTYYY
-----VVCACTTCGG-----
```

Original motif Consensus sequence: CYCBBYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG

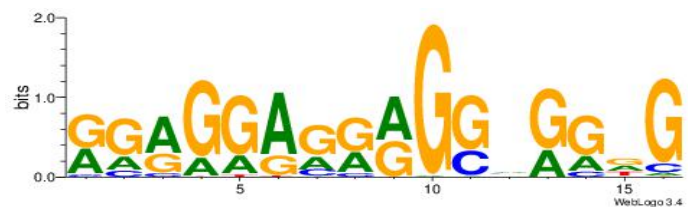


Dataset #: 5
Motif ID: 51
Motif name: TFM2
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 11
Similarity score: 0.0445566

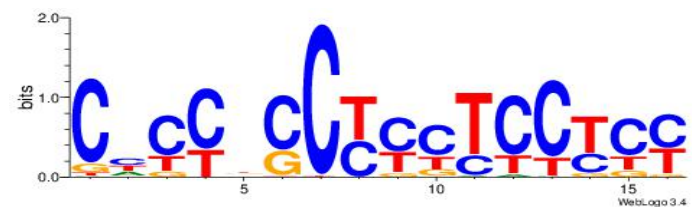
Alignment:

RGRGGAGRRGGHGGDG
-CCGGAAGTGVV-----

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCKMCTCCKCM

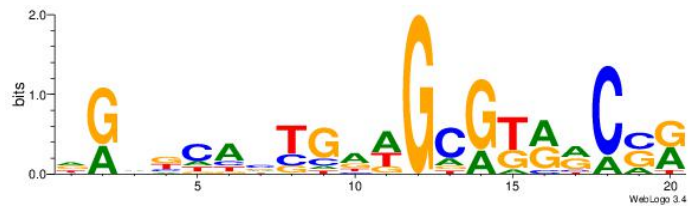


Dataset #: 3
 Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 11
 Similarity score: 0.0446257

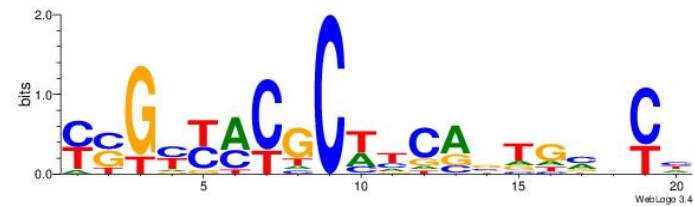
Alignment:

DGVBCABTGDWGCGRRCR
 -----VVCACTTCCGG--

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBCD



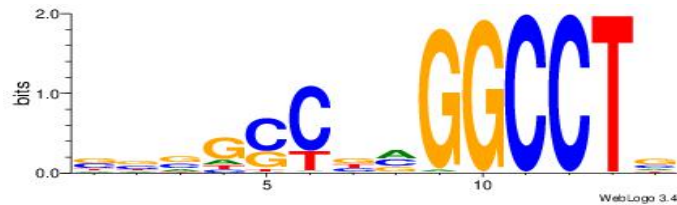
Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1

Number of overlap: 11
Similarity score: 0.0457327

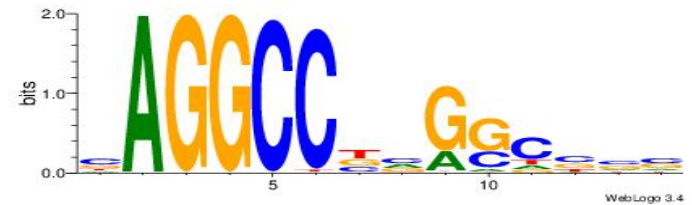
Alignment:

BBVGCCBVGGCCTV
VVCACTTCCGG---

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCV



Dataset #: 4
Motif ID: 40
Motif name: kcACCTGCAGc
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0483841

Alignment:

BCACCTGCABC
VVCACTTCCGG

Original motif Consensus sequence: BCACCTGCABC

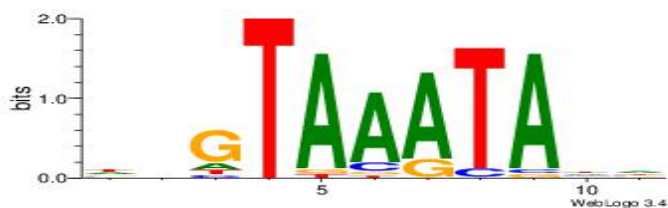
Reverse complement motif Consensus sequence: GBTGCAGGTGB



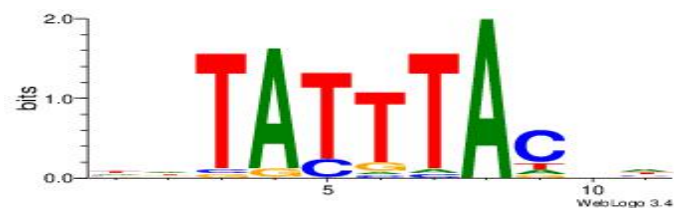
Dataset #: 4
 Motif ID: 45
 Motif name: wbgTAAATAww
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0492127

Alignment:
 DBGTAATAHD
 CCGGAAGTGVV

Original motif Consensus sequence: DBGTAATAHD



Reverse complement motif Consensus sequence: DHTATTTACBD

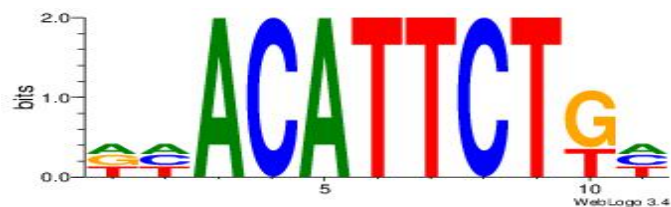


Dataset #: 4
 Motif ID: 44

Motif name: dhACATTCTkh
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0495154

Alignment:
 DHACATTCTGH
 VVCACTTCCGG

Original motif Consensus sequence: DHACATTCTGH



Reverse complement motif Consensus sequence: HCAGAATGTHD

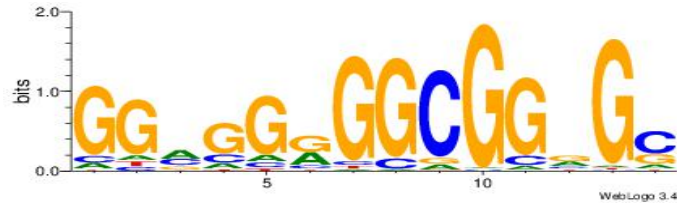


Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0504656

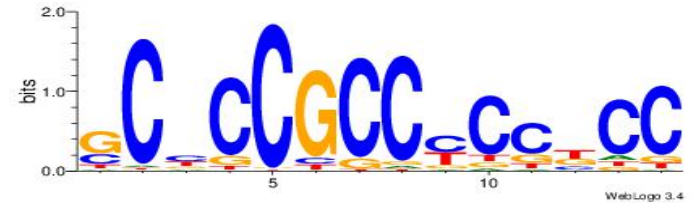
Alignment:

GGMGGRGGCGGVGC
-CCGGAAGTGVV--

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



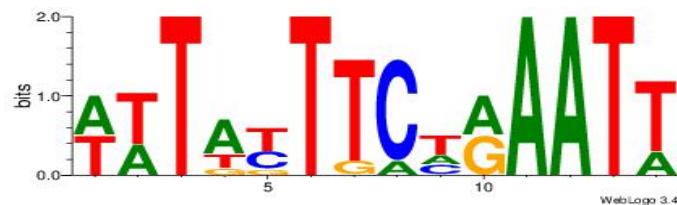
Dataset #:	2
Motif ID:	6
Motif name:	Motif 6
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	11
Similarity score:	0.0518418

Alignment:

AATTYDGAARTAWW
---CCGGAAGTGVV

Original motif Consensus sequence: AATTYDGAARTAWW

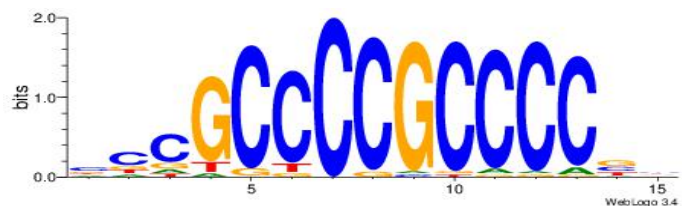
Reverse complement motif Consensus sequence: WWTAKTTCDKAAAT



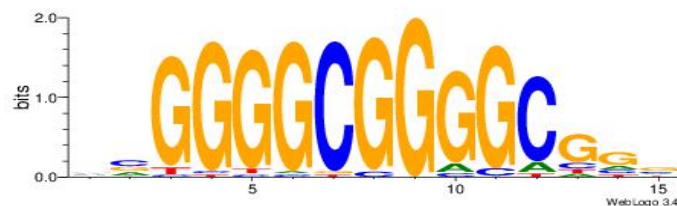
Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0554249

Alignment:
 BCCGCCCCGCCCCBB
 ---VVCACTTCCGG-

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB



Best Matches for Each Motif (Highest to Lowest)

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

Original motif Consensus sequence: GGCGGGGC



Reverse complement motif Consensus sequence: GCCCGGCC



Best Matches for Motif ID 1 (Highest to Lowest)

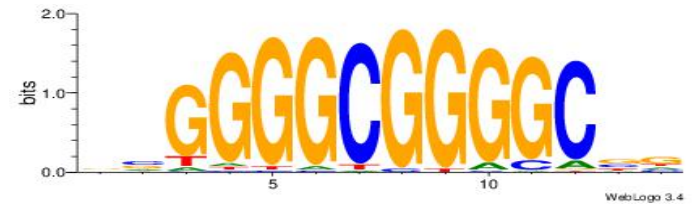
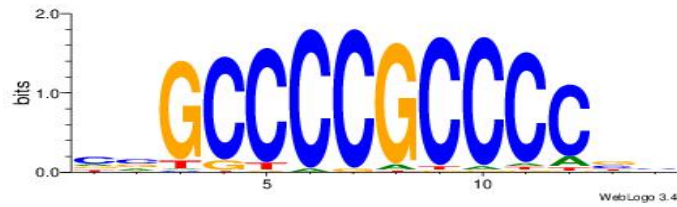
Dataset #:	4
Motif ID:	36
Motif name:	csGCCCCGCCCCsc
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	8
Similarity score:	0

Alignment:

```
HVGCCCCGCCCCBB
--GCCCGCC----
```

Original motif Consensus sequence: HVGCCCCGCCCCBB

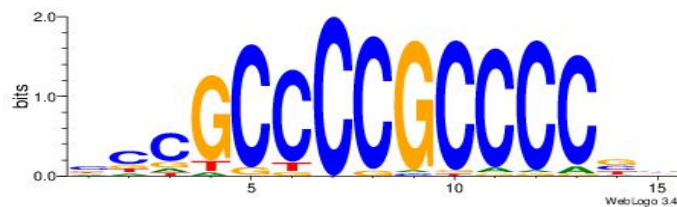
Reverse complement motif Consensus sequence: BBGGGCGGGGC



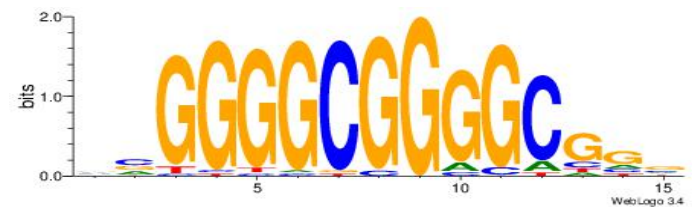
Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.00250079

Alignment:
 BCCGCCCCGCCCCBB
 ---GCCCCGCC----

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB



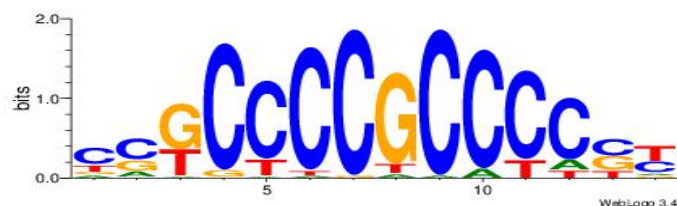
Dataset #: 2

Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0149958

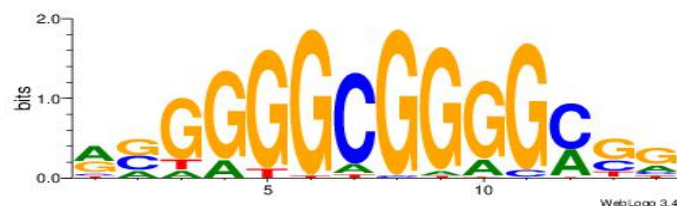
Alignment:

MSGGGGCGGGGYSG
 ----GGCGGGGC--

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGGY

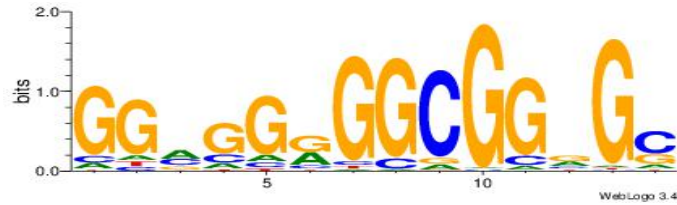


Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 8
 Similarity score: 0.0348969

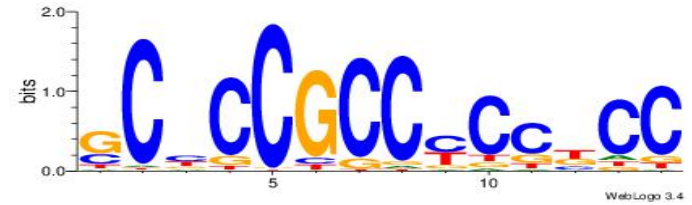
Alignment:

GGMGGRGGCGGVGC
-----GGCGGGGC

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



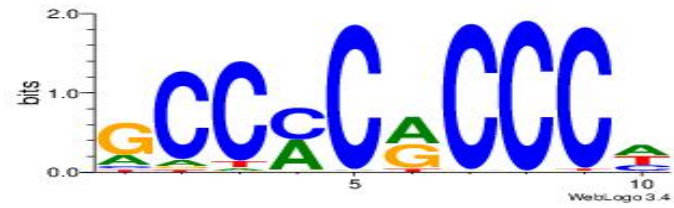
Dataset #: 3
Motif ID: 27
Motif name: Klf4
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 8
Similarity score: 0.0349983

Alignment:

DGGGYGKGGC
--GGCGGGGC

Original motif Consensus sequence: DGGGYGKGGC

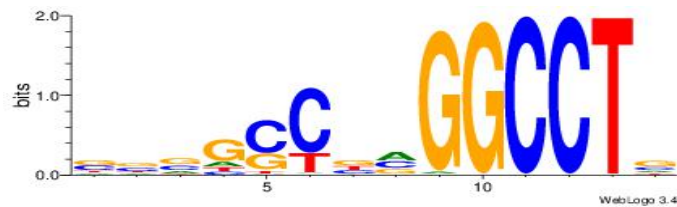
Reverse complement motif Consensus sequence: GCCYCMCCCD



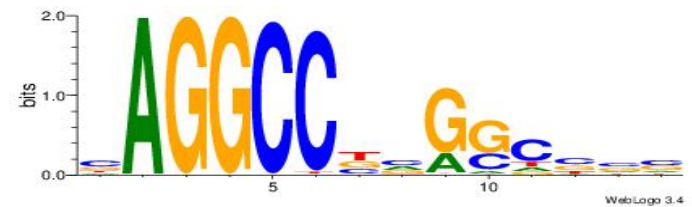
Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0708224

Alignment:
 VAGGCCBBGGCVBB
 ---GCCCCGCC---

Original motif Consensus sequence: BBVGCCBVGCCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCVBB



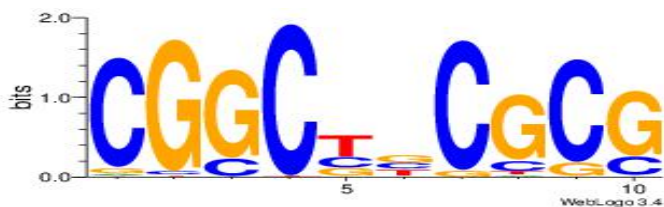
Dataset #: 5
 Motif ID: 48

Motif name: TFW3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.071681

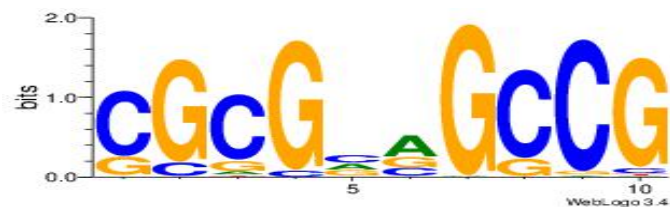
Alignment:

CGCGBMGCCG
 -GCCCCGCC-

Original motif Consensus sequence: CGGCYBCGCG



Reverse complement motif Consensus sequence: CGCGBMGCCG

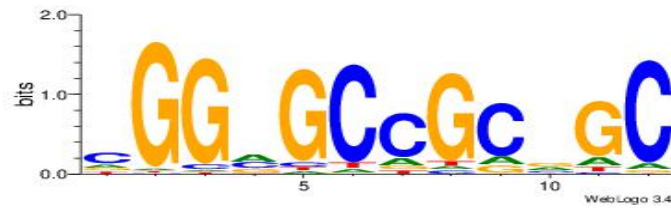


Dataset #: 5
 Motif ID: 49
 Motif name: TFF1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.0803996

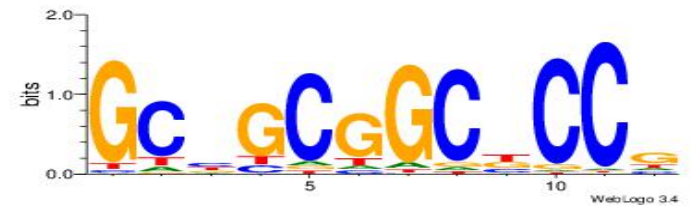
Alignment:

CGGVGCCGCVGC
--GCCCGCC--

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGCGGCBCCG



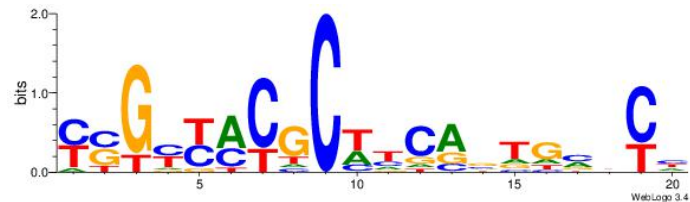
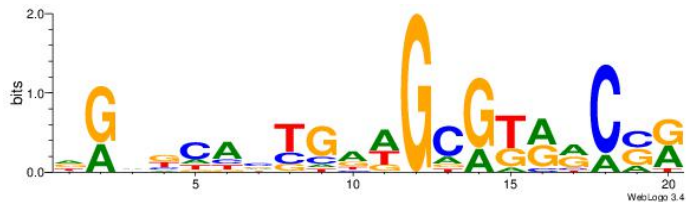
Dataset #: 3
Motif ID: 31
Motif name: Pax5
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 8
Similarity score: 0.0853847

Alignment:

DGVBCABTGDWGCGRCSR
-----GCCGGGC--

Original motif Consensus sequence: DGVBCABTGDWGCGRCSR

Reverse complement motif Consensus sequence:
MSGKKRCGCWDCABTGBBCD



Dataset #: 3
 Motif ID: 23
 Motif name: Egr1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.0878731

Alignment:
 YGCCCCACGCH
 ---GCCCCGCC

Original motif Consensus sequence: HGCGTGGGCGK



Reverse complement motif Consensus sequence: YGCCCCACGCH



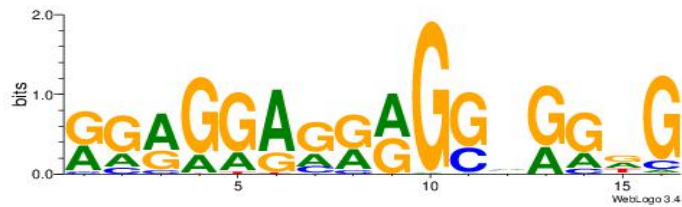
Dataset #: 5
 Motif ID: 51

Motif name: TFM2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.0928252

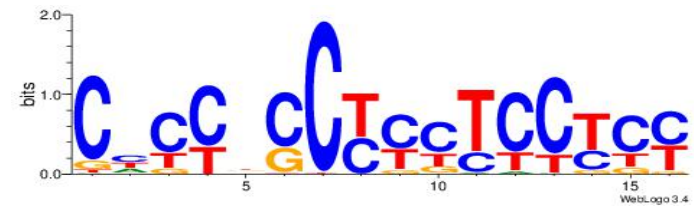
Alignment:

CHCCBCCCKMCTCCKCM
 --GCCCCGCC-----

Original motif Consensus sequence: RGRGGAGRRGGHGDDG

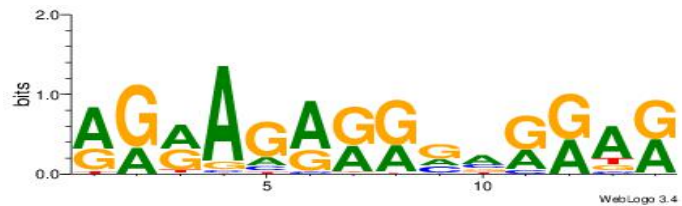


Reverse complement motif Consensus sequence: CHCCBCCCKMCTCCKCM

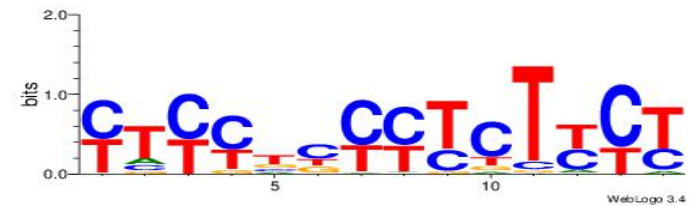


Dataset #: 2 Motif ID: 2 Motif name: Motif 2

Original motif Consensus sequence: RGRAGARRGARRAR



Reverse complement motif Consensus sequence: MTMMTCMMTCTK



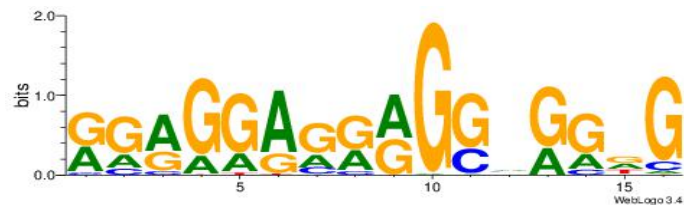
Best Matches for Motif ID 2 (Highest to Lowest)

Dataset #: 5
Motif ID: 51
Motif name: TFM2
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: 0.00948131

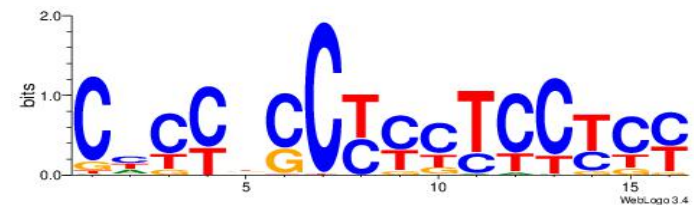
Alignment:

```
RGRGGAGRRGGHGGDG  
--RGRAGARRGARRAR
```

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCKMCTCCKCM



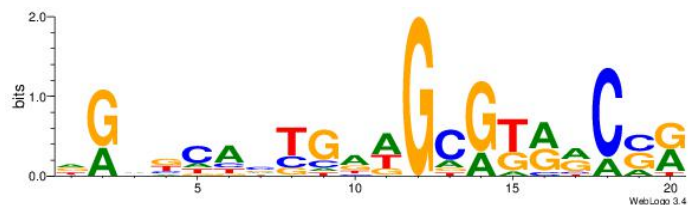
Dataset #: 3
Motif ID: 31
Motif name: Pax5
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

Direction: Forward
 Position number: 7
 Number of overlap: 14
 Similarity score: 0.047364

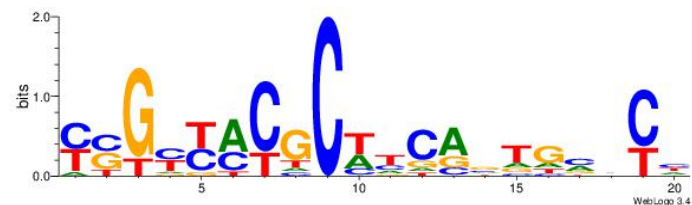
Alignment:

MSGKKRCGCWDCABTGBBCD
 -----MTMMTCMMTCTKCK

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD

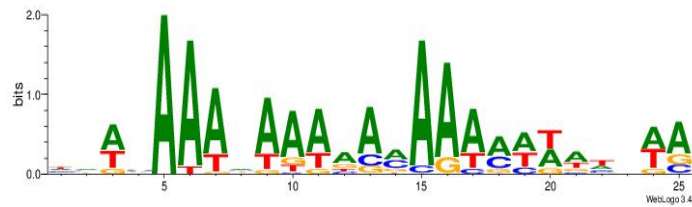


Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 14
 Similarity score: 0.0541717

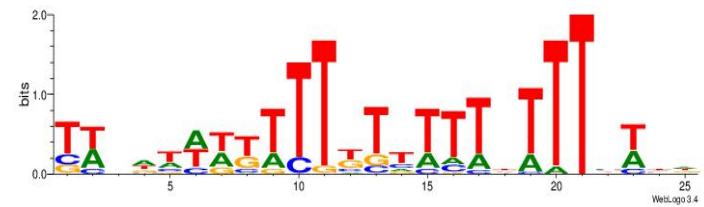
Alignment:

HDWVAAAHA AAAAAMAAAMWWWHBWA
 -----RGRAGARRGARRAR--

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
 TWVHWWWYTTTTTTTTTHTTTVWBH

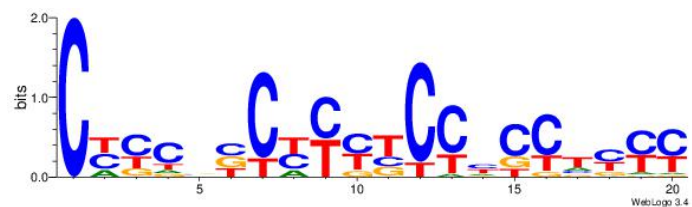


Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 14
 Similarity score: 0.0545069

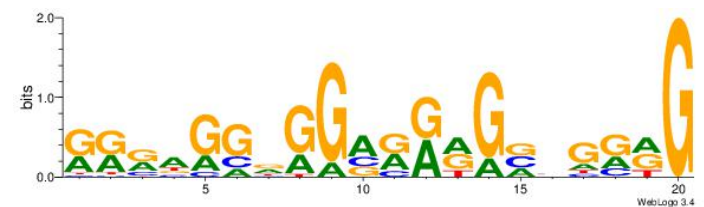
Alignment:

CYYCBBCYYYTCCHCCTYYY
 -----MTMMTCMMTCTKCK

Original motif Consensus sequence: CYYCBBCYYYTCCHCCTYYY



Reverse complement motif Consensus sequence:
 KKKAGGDGGAKKMGBBGKMG

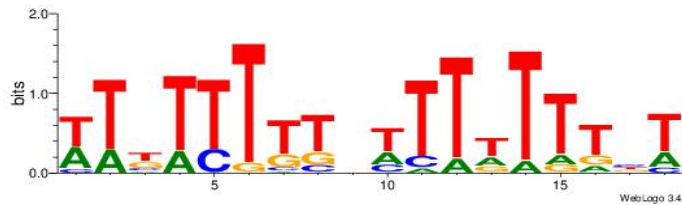


Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0558935

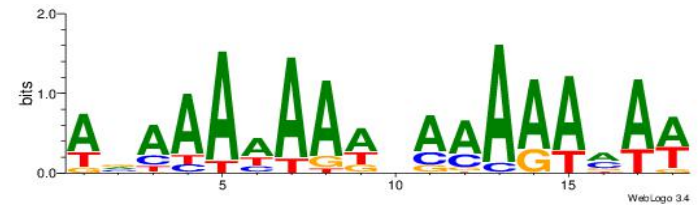
Alignment:

ABAAAAAWhAAAAARAW
 -RGRAGARRGARRAR---

Original motif Consensus sequence: WTKTTTTTHWTTTTTTBT



Reverse complement motif Consensus sequence: ABAAAAAWhAAAAARAW



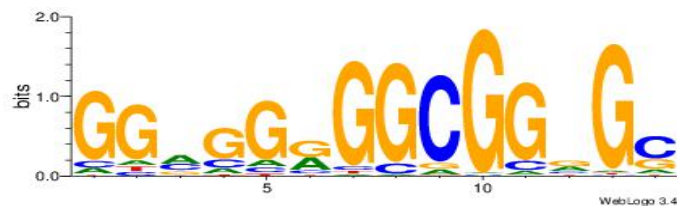
Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1

Number of overlap: 14
Similarity score: 0.0689626

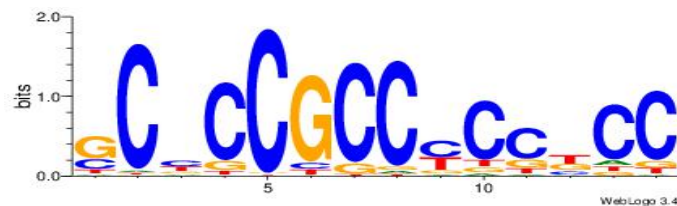
Alignment:

GGMGGRGGCGGVGC
RGRAGARRGARRAR

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



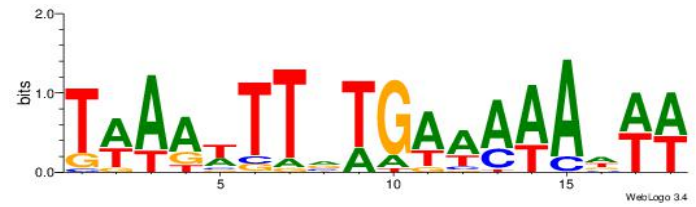
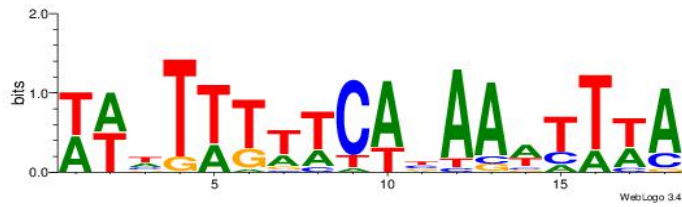
Dataset #: 5
Motif ID: 53
Motif name: TFM3
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 14
Similarity score: 0.0775356

Alignment:

TWAAWTTVTGAAAAHWW
-RGRAGARRGARRAR---

Original motif Consensus sequence: WWHTTTTTCABAAWTTWA

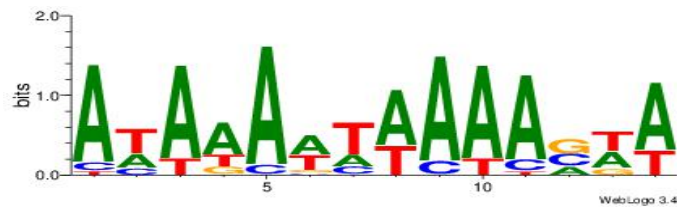
Reverse complement motif Consensus sequence:
TWAAWTTVTGAAAAHWW



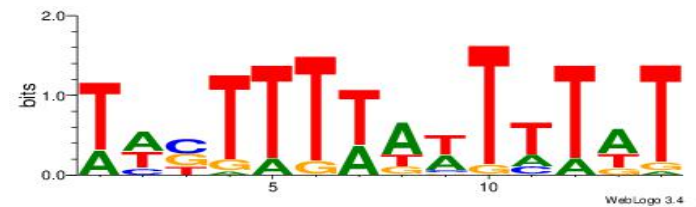
Dataset #: 2
 Motif ID: 3
 Motif name: Motif 3
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.57507

Alignment:
 AWAAAWTWAAASWA-
 -RGRAGARRGARRAR

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTTV



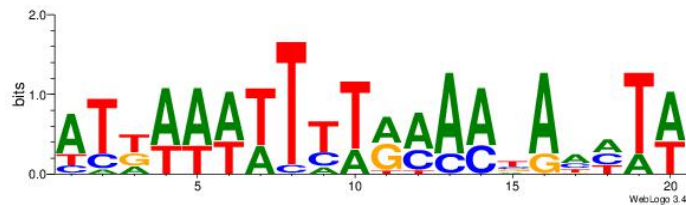
Dataset #: 5
 Motif ID: 55

Motif name: TFM13
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 9
 Number of overlap: 12
 Similarity score: 1.0763

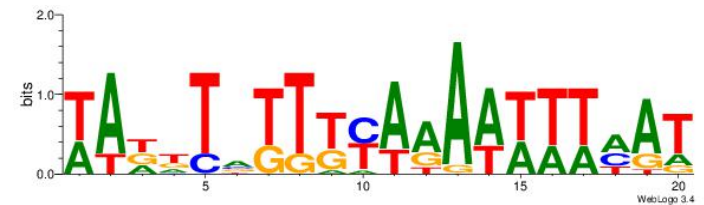
Alignment:

ATKAAWTTTTRMAABAHHTW--
 -----MTMMTCMMTCTKCK

Original motif Consensus sequence: ATKAAWTTTTRMAABAHHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT

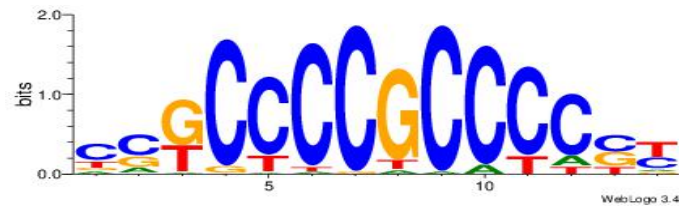


Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 1.57133

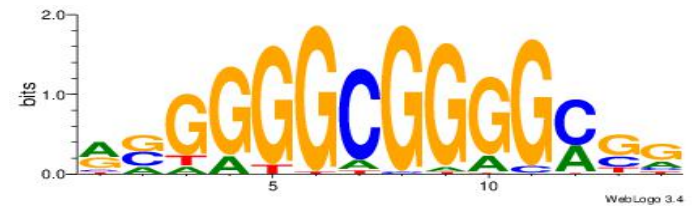
Alignment:

---MSGGGGCGGGGYSG
RGRAGARRGARRAR---

Original motif Consensus sequence: CSKCCCCGCCCSY

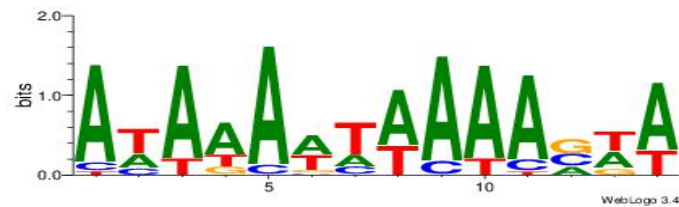


Reverse complement motif Consensus sequence: MSGGGGCGGGGY

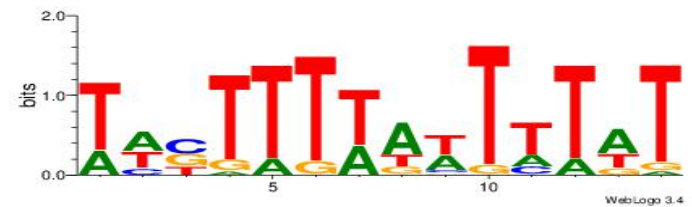


Dataset #: 2 Motif ID: 3 Motif name: Motif 3

Original motif Consensus sequence: AWAAAWTWAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTT



Best Matches for Motif ID 3 (Highest to Lowest)

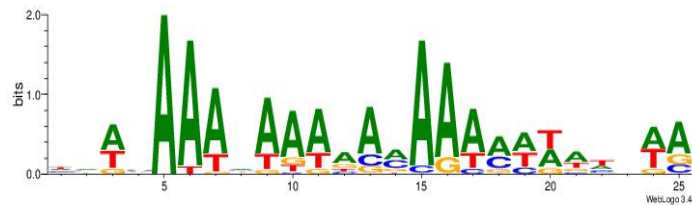
Dataset #:	5
Motif ID:	56
Motif name:	TFM11
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	7

Number of overlap: 14
Similarity score: 0.0137914

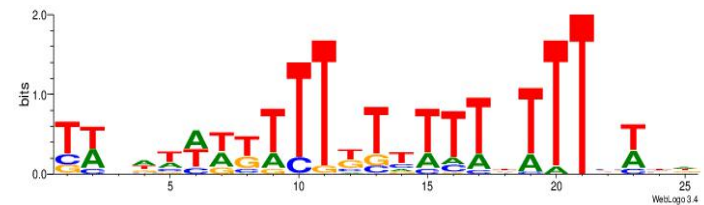
Alignment:

HDWVAAAHA AAAA MAAA MWWW HBWA
-----AWAAAWTWAAASWA-----

Original motif Consensus sequence:
HDWVAAAHA AAAA MAAA MWWW HBWA



Reverse complement motif Consensus sequence:
TWVHWWWYTTTTTTTTTHTTTVWBH

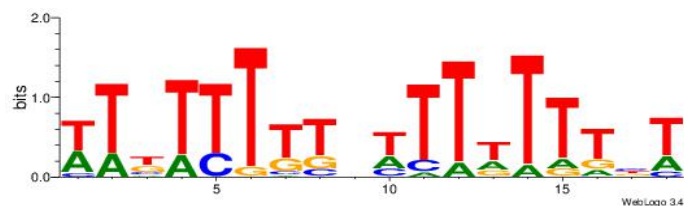


Dataset #: 5
Motif ID: 52
Motif name: TFM1
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 14
Similarity score: 0.0162962

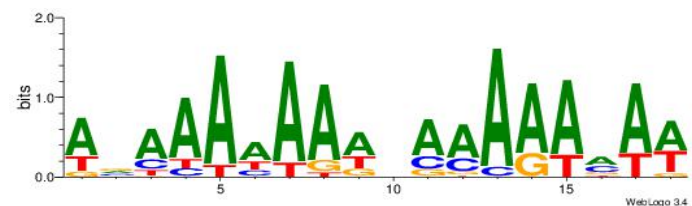
Alignment:

ABAAAAA WHAAAA RA W
-----AWAAAWTWAAASWA

Original motif Consensus sequence: WTKTTTTTHWTTTTTBT



Reverse complement motif Consensus sequence: ABAAAAAWHAAAAARAW

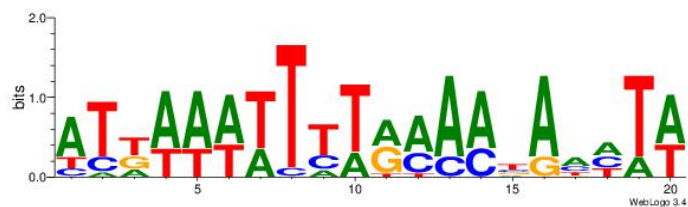


Dataset #: 5
Motif ID: 55
Motif name: TFM13
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 14
Similarity score: 0.037679

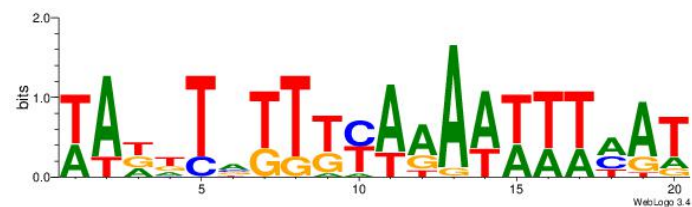
Alignment:

```
ATKAAWTTTTRMAABAHTW  
--AWAAAWTWAAASWA----
```

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT

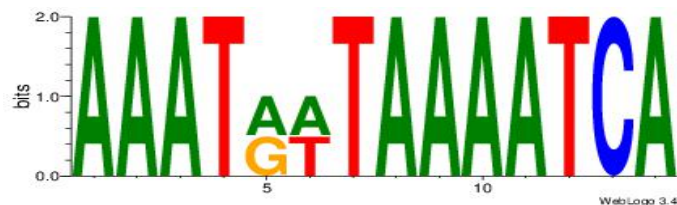


Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0423952

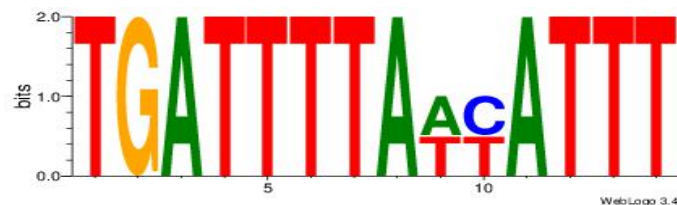
Alignment:

TGATTTTAWKATTT
 TWSTTTWAWTTTWT

Original motif Consensus sequence: AAATRWATAAATCA



Reverse complement motif Consensus sequence: TGATTTTAWKATTT



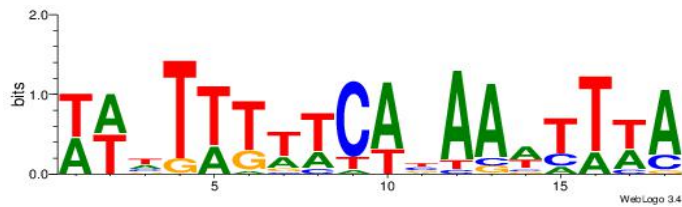
Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 14

Similarity score: 0.0456419

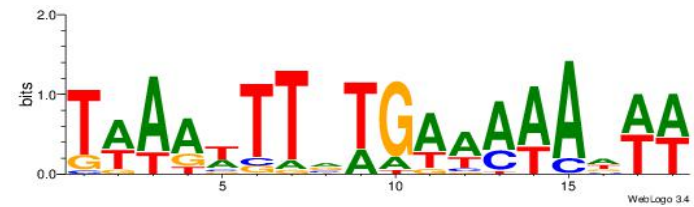
Alignment:

TWAAWTTVTGAAAAHWW
----AWAAAWTWAAASWA

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TWAAWTTVTGAAAAHWW



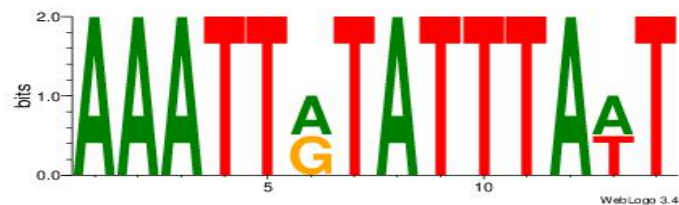
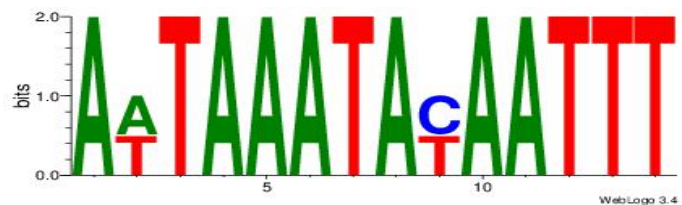
Dataset #: 2
Motif ID: 5
Motif name: Motif 5
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0478896

Alignment:

AAATTKTATTTAWT
TWSTTTWAWTTTWT

Original motif Consensus sequence: AWTAAATAYAATTT

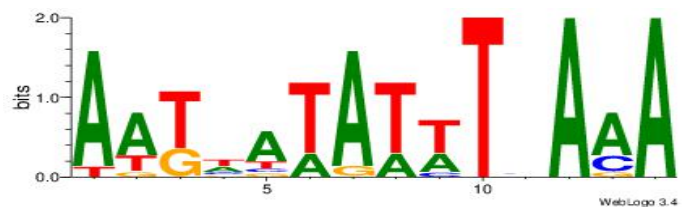
Reverse complement motif Consensus sequence: AAATTKTATTTAWT



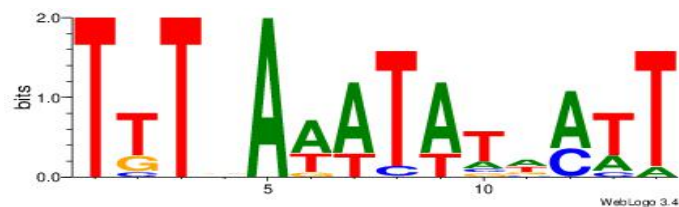
Dataset #: 2
 Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0624272

Alignment:
 TTTDAWATATHATT
 AWAAAWTWAAASWA

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHATT



Dataset #: 2
 Motif ID: 6

Motif name: Motif 6
 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: 0.0702111

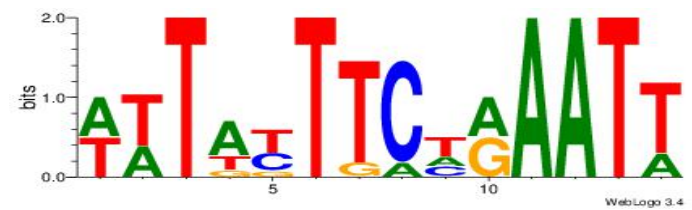
Alignment:

WWTAKTTCDKAATT
 TWSTTTWAWTTTWT

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAATT

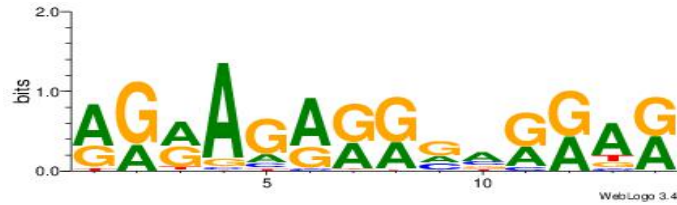


Dataset #: 2
 Motif ID: 2
 Motif name: Motif 2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.567825

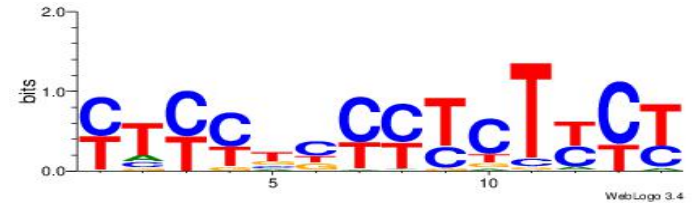
Alignment:

-RGRAGARRGARRAR
AWAAAWTWAAASWA-

Original motif Consensus sequence: RGRAGARRGARRAR



Reverse complement motif Consensus sequence: MTMMTCMMTCTK



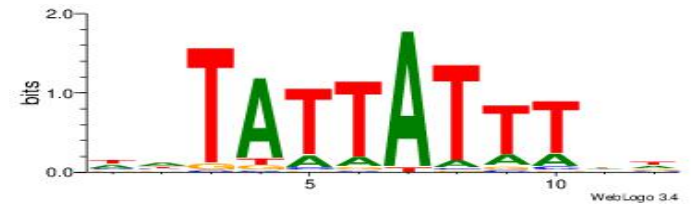
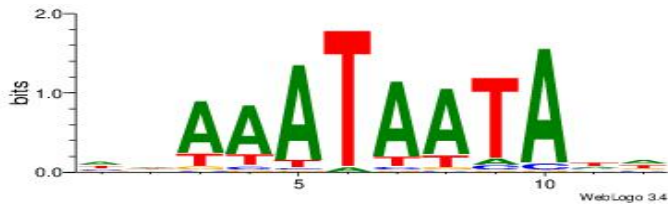
Dataset #: 4
Motif ID: 41
Motif name: wwAAATAATAtw
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 12
Similarity score: 1.0432

Alignment:

HDAAATAATADD--
AWAAAWTWAAASWA

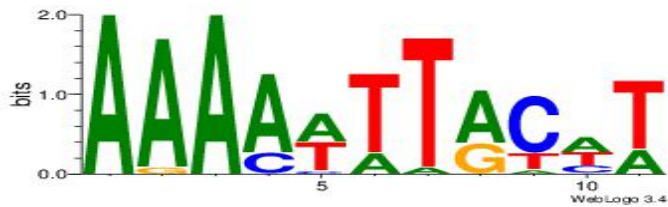
Original motif Consensus sequence: HDAAATAATADD

Reverse complement motif Consensus sequence: DDTATTATTDH



Dataset #: 2 Motif ID: 4 Motif name: Motif 4

Original motif Consensus sequence: AAAAWTTRCWT



Reverse complement motif Consensus sequence: AWGKAAWTTTT



Best Matches for Motif ID 4 (Highest to Lowest)

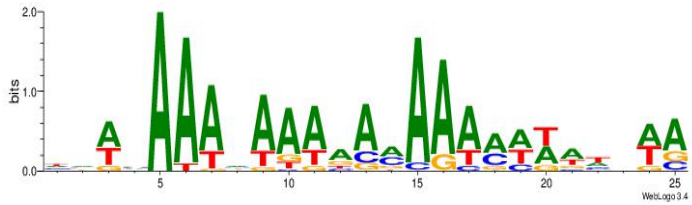
Dataset #:	5
Motif ID:	56
Motif name:	TFM11
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	14
Number of overlap:	11
Similarity score:	0.0718583

Alignment:

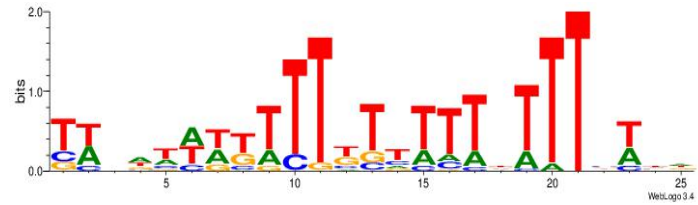
```

HDWVAAAHA AAAAAMAAAAMWWWHBWA
-----AAAAWTTRCWT-----
  
```

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
 TWVHWWWYTTTTTTTTTHTTTVWBH

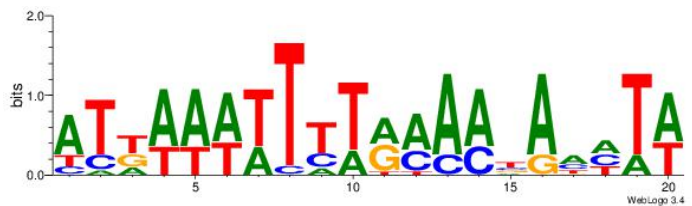


Dataset #: 5
 Motif ID: 55
 Motif name: TFM13
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0727073

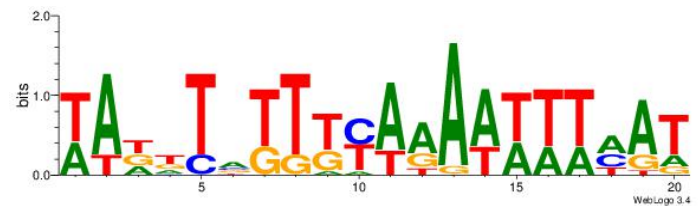
Alignment:

ATKAAWTTTTTRMAABAHHTW
 AWGKAAWTTTT-----

Original motif Consensus sequence: ATKAAWTTTTTRMAABAHHTW



Reverse complement motif Consensus sequence:
 WAHHTVTTYKAAAATTRAT

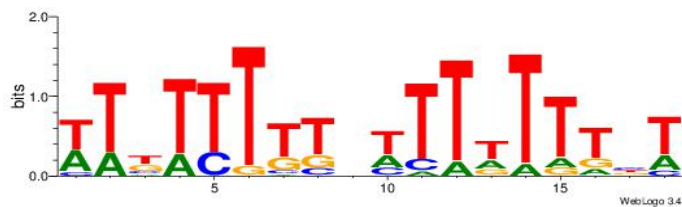


Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0748297

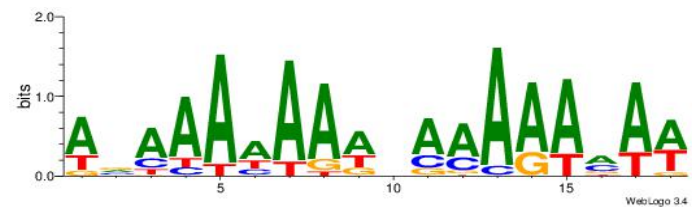
Alignment:

WKTTTTTHWTTTTTBT
 ---AWGKAAWTTTT----

Original motif Consensus sequence: WKTTTTTHWTTTTTBT



Reverse complement motif Consensus sequence: ABAAAAAWHAAAAARAW

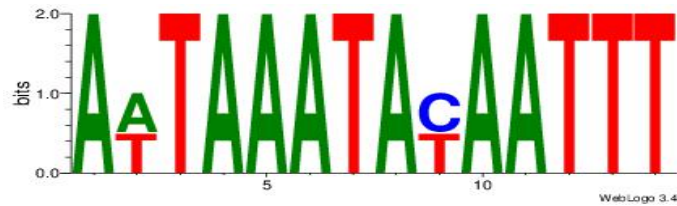


Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4

Number of overlap: 11
Similarity score: 0.0786484

Alignment:
AAATTKTATTTAWT
AAAAWTTRCWT---

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAWT

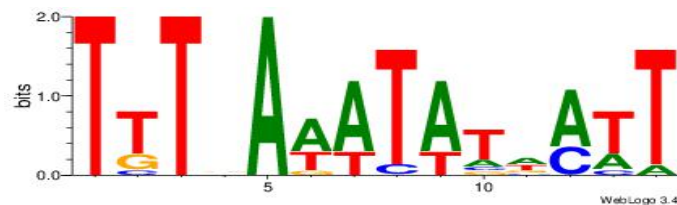
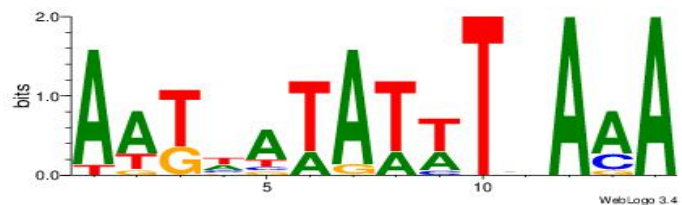


Dataset #: 2
Motif ID: 9
Motif name: Motif 9
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0820375

Alignment:
AATHATATWTHAAA
AWGKAAWTTTT---

Original motif Consensus sequence: AATHATATWTHAAA

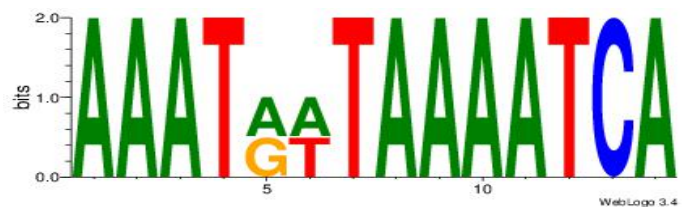
Reverse complement motif Consensus sequence: TTTDAWATATHAT



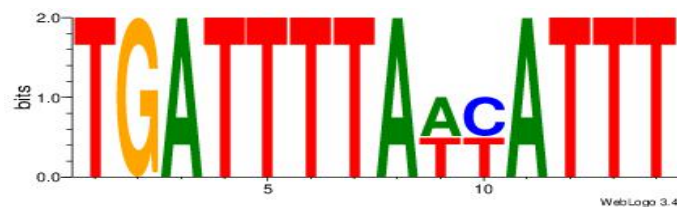
Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.083433

Alignment:
 TGATTTTAWKATTT
 ---AWGKAATTTT

Original motif Consensus sequence: AAATRWTAATCA



Reverse complement motif Consensus sequence: TGATTTTAAATTT



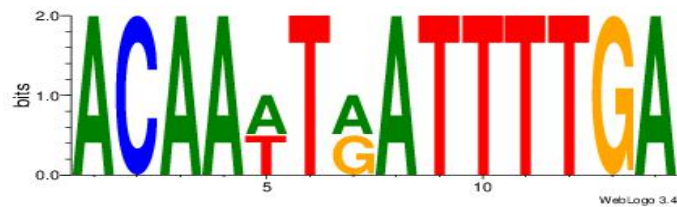
Dataset #: 2
 Motif ID: 16

Motif name: Motif 16
 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: 0.0852273

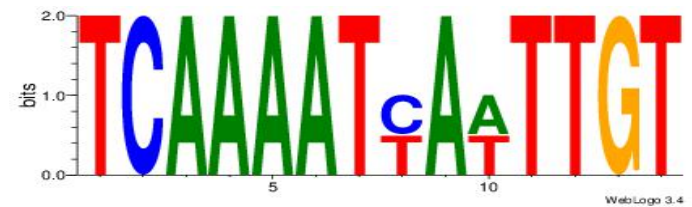
Alignment:

ACAAWTRATTTTGA
 AAAAWTTRCWT---

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTG

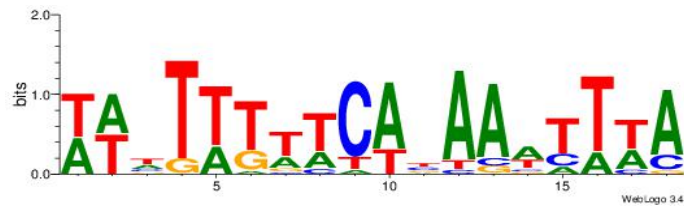


Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0858797

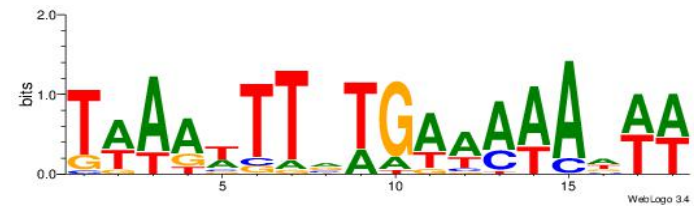
Alignment:

WWHTTTTTTCABAAWTTWA
-----AWGKAAWTTTT

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence:
TAAWTTTGTGAAAAHWW



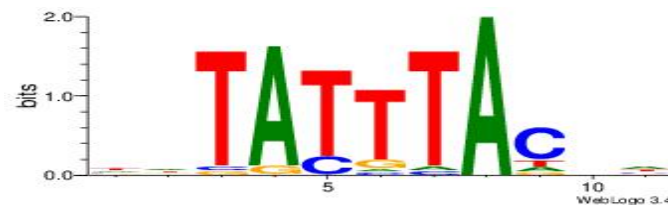
Dataset #: 4
Motif ID: 45
Motif name: wbgTAAATAww
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.086338

Alignment:

DHTATTTACBD
AAAAWTTRCWT

Original motif Consensus sequence: DBGTAATAHD

Reverse complement motif Consensus sequence: DHTATTTACBD



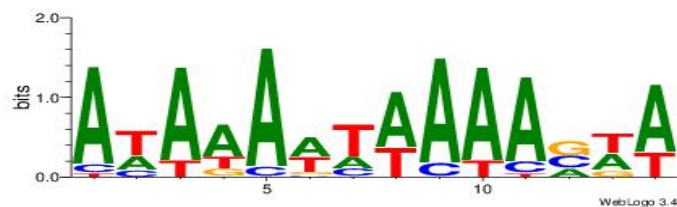
Dataset #: 2
 Motif ID: 3
 Motif name: Motif 3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0867914

Alignment:

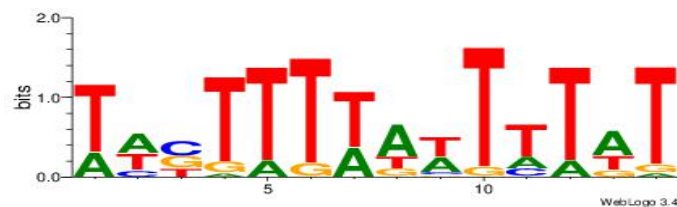
```

TWSTTTWAWTTTWT
--AWGKAAWTTTT-
  
```

Original motif Consensus sequence: AWAAAWTWAASWA

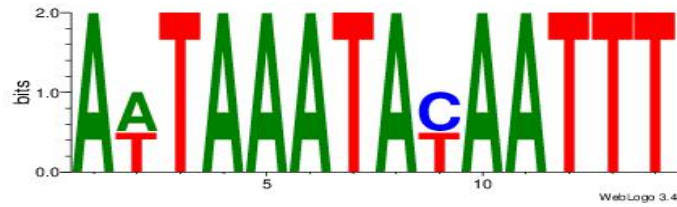


Reverse complement motif Consensus sequence: TWSTTTWAWTTTWT

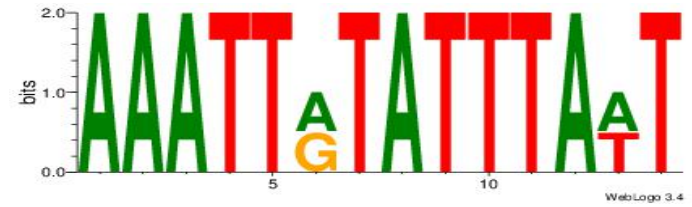


Dataset #: 2 Motif ID: 5 Motif name: Motif 5

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAW



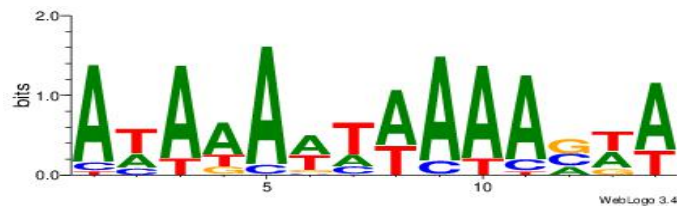
Best Matches for Motif ID 5 (Highest to Lowest)

Dataset #:	2
Motif ID:	3
Motif name:	Motif 3
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:	0.101648

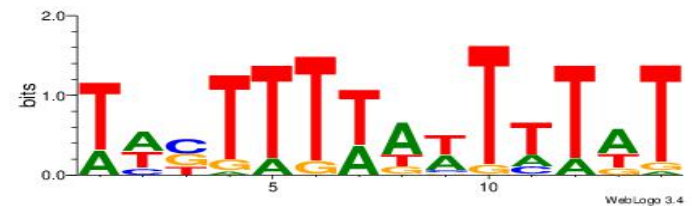
Alignment:

```
TWSTTTWAWTTTWT
AAATTKTATTTAWT
```

Original motif Consensus sequence: AWAAAWTWAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTT

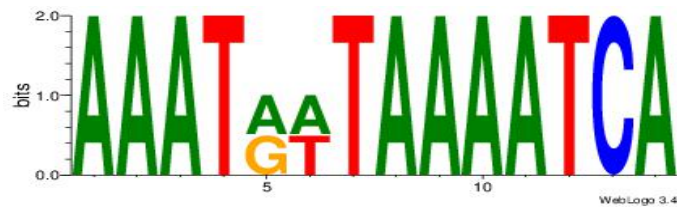


Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.107143

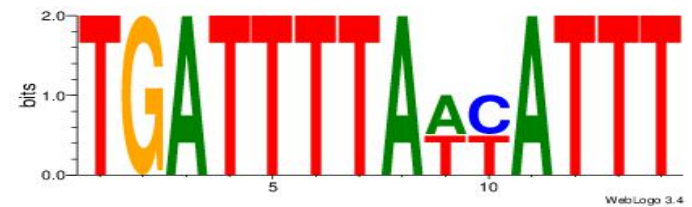
Alignment:

TGATTTTAWKATTT
 AAATTKTATTTAWT

Original motif Consensus sequence: AAATRWATAAATCA



Reverse complement motif Consensus sequence: TGATTTTAWKATTT



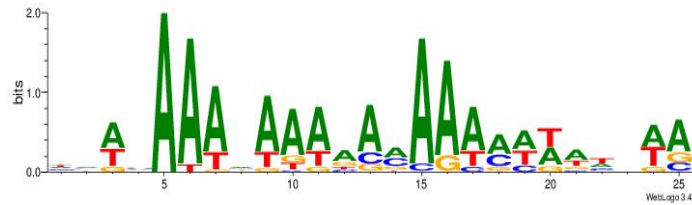
Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 14

Similarity score: 0.109769

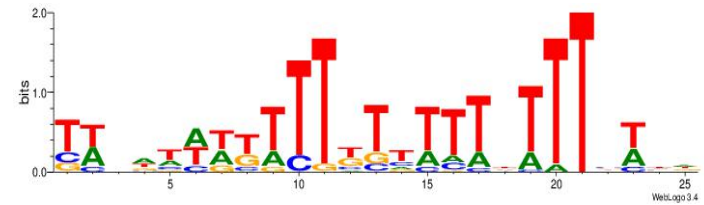
Alignment:

```
TWVHWWYTTTYTTTTHTTTVWBH  
-----AAATTKTATTTAWT-----
```

Original motif Consensus sequence:
HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
TWVHWWYTTTYTTTTHTTTVWBH



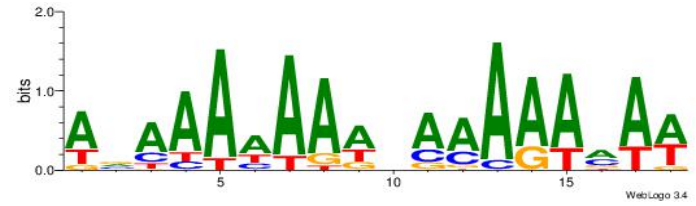
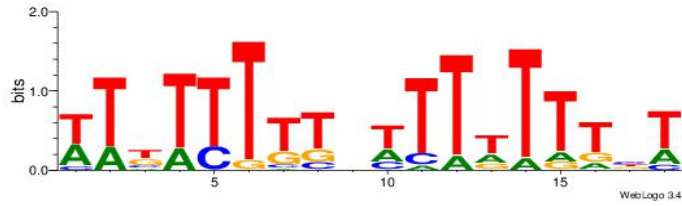
Dataset #: 5
Motif ID: 52
Motif name: TFM1
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 14
Similarity score: 0.110348

Alignment:

```
WTKTTTTTHWTTTTTTBT  
-AAATTKTATTTAWT---
```

Original motif Consensus sequence: WTKTTTTTHWTTTTTTBT

Reverse complement motif Consensus sequence:
ABAAAAAWHAAAAARAW



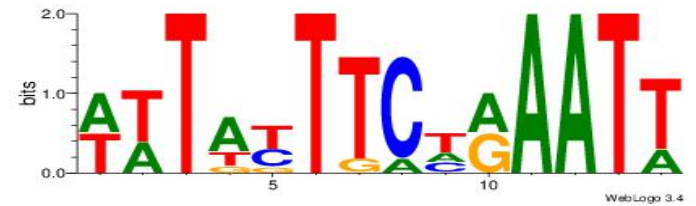
Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.111607

Alignment:
 AATTYDGAARTAWW
 AAATTKTATTTAWT

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAT



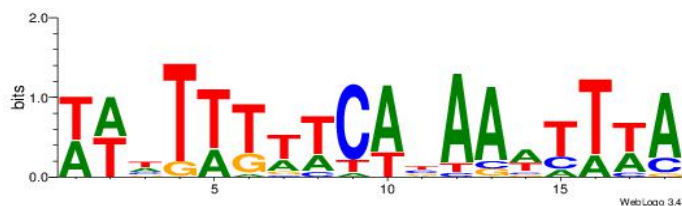
Dataset #: 5
 Motif ID: 53

Motif name: TFM3
 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: 0.124188

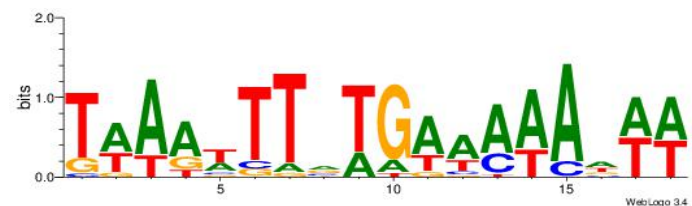
Alignment:

WWHTTTTTTCABAAWTTWA
 --AWTAAATAYAATTT--

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TWAAWTTVTGAAAAHWW

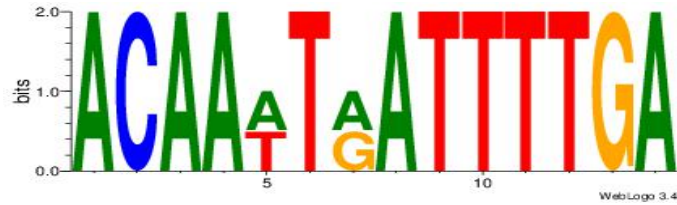


Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.125

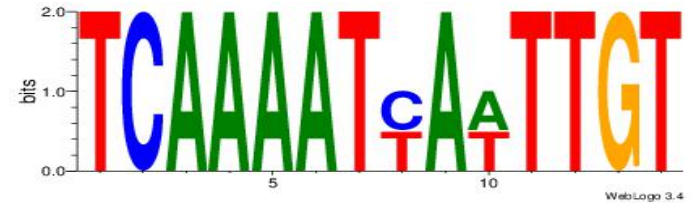
Alignment:

ACAAWTRATTTTGA
AAATTKTATTTAWT

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAAATKAWTTG



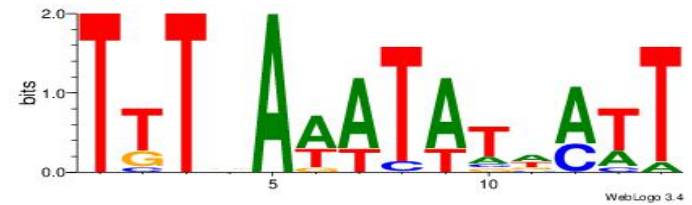
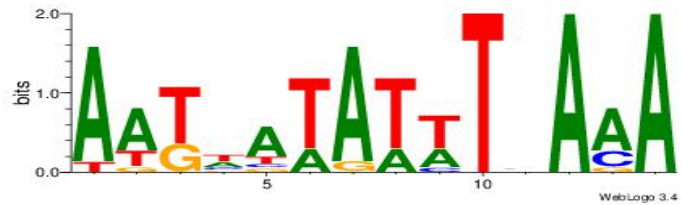
Dataset #: 2
Motif ID: 9
Motif name: Motif 9
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 13
Similarity score: 0.596154

Alignment:

TTTDAWATATHATT-
-AWTAAATAYAATTT

Original motif Consensus sequence: AATHATATWTHAAA

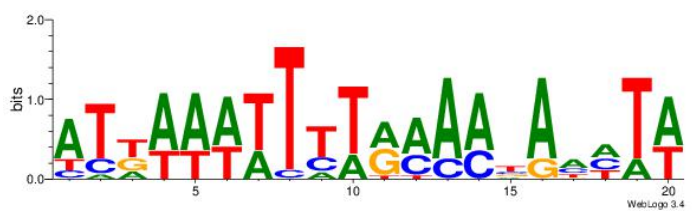
Reverse complement motif Consensus sequence: TTTDAWATATHAT



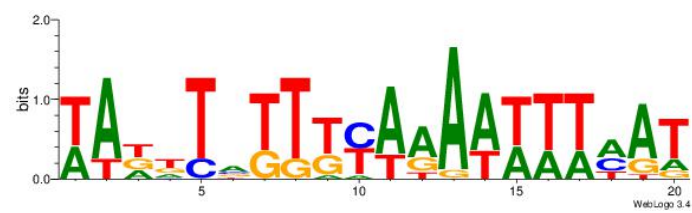
Dataset #: 5
 Motif ID: 55
 Motif name: TFM13
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 9
 Number of overlap: 12
 Similarity score: 1.11736

Alignment:
 WAHHTVTTYKAAAATTRAT--
 -----AWTAAATAYAATTT

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT



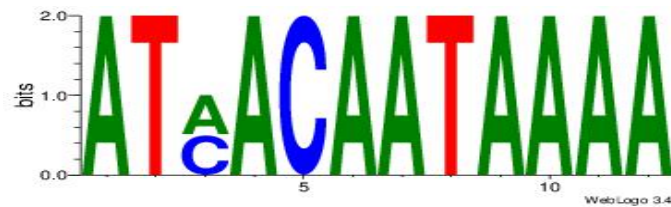
Dataset #: 2

Motif ID: 15
 Motif name: Motif 15
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 1.125

Alignment:

--TTTTATTGTYAT
 AAATTKTATTTAWT

Original motif Consensus sequence: ATMACAATAAAA



Reverse complement motif Consensus sequence: TTTTATTGTYAT

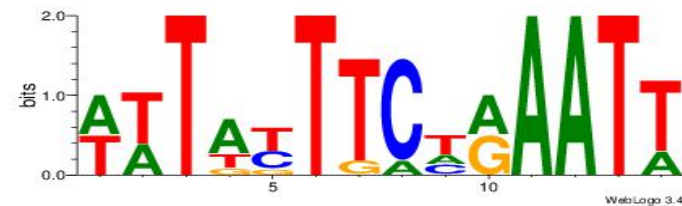


Dataset #: 2 Motif ID: 6 Motif name: Motif 6

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAAT



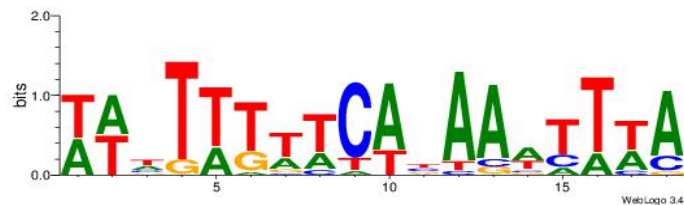
Best Matches for Motif ID 6 (Highest to Lowest)

Dataset #: 5
Motif ID: 53
Motif name: TFM3
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: 0.0325081

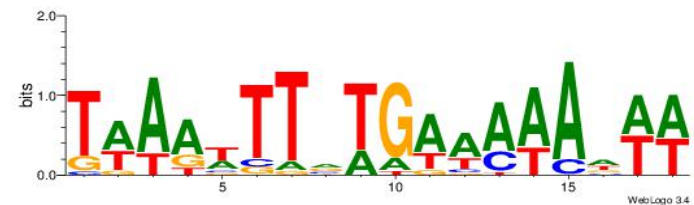
Alignment:

```
WWHTTTTTTCABAAWTTWA  
-WWTAKTTCDKAATT---
```

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TAAWTTVTGAAAAHWW

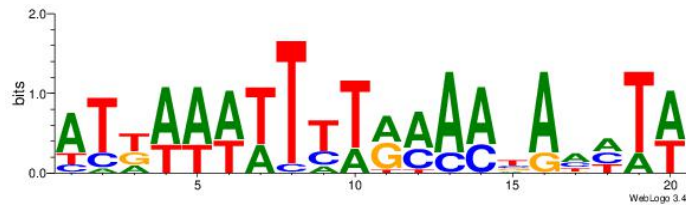


Dataset #: 5
Motif ID: 55
Motif name: TFM13
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif

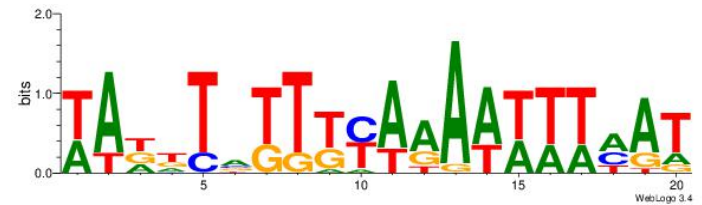
Direction: Forward
 Position number: 5
 Number of overlap: 14
 Similarity score: 0.0349702

Alignment:
 ATKAAWTTTTRMAABAHTW
 ----AATTYDGAARTAWW--

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



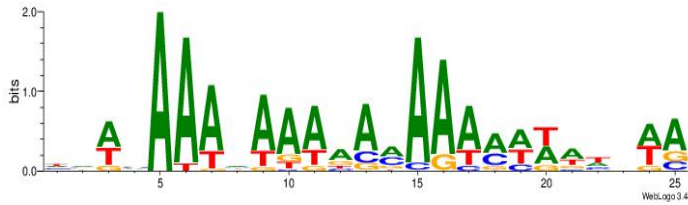
Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT



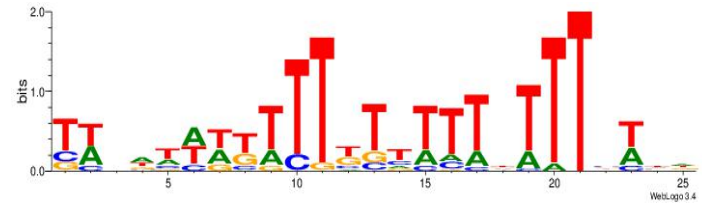
Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 9
 Number of overlap: 14
 Similarity score: 0.0626838

Alignment:
 TWVHWWWYTTTTYTTTTTHTTTTVWBH
 ---WWTAKTTCDKAATT-----

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
 TWVHWWWYTTTTTTTTTHTTTVWBH

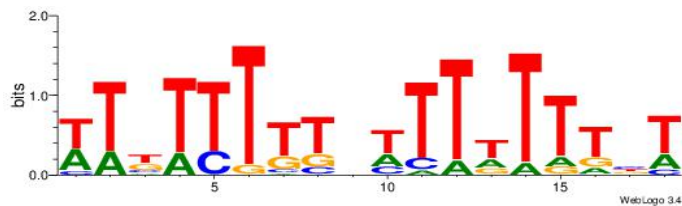


Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0667239

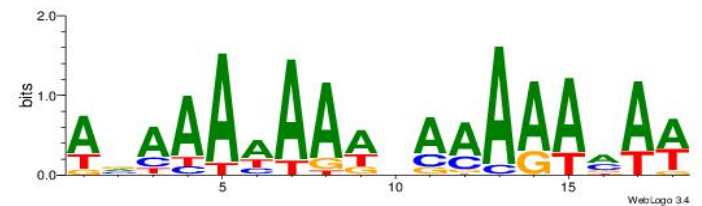
Alignment:

WTKTTTTTHWTTTTTTBT
 -WWTAKTTCDKAATT---

Original motif Consensus sequence: WTKTTTTTHWTTTTTTBT



Reverse complement motif Consensus sequence:
 ABAAAAAWHAAAAARAW

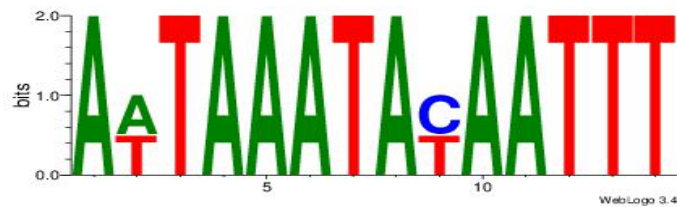


Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0741071

Alignment:

AWTAAATAYAATTT
 WWTAKTTCDKAATT

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAW



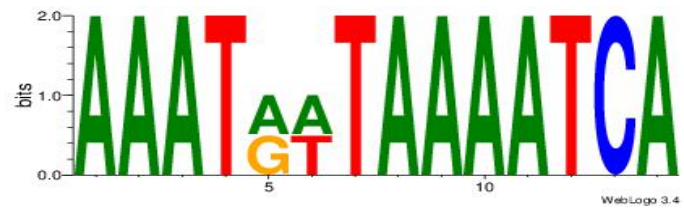
Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14

Similarity score: 0.0763393

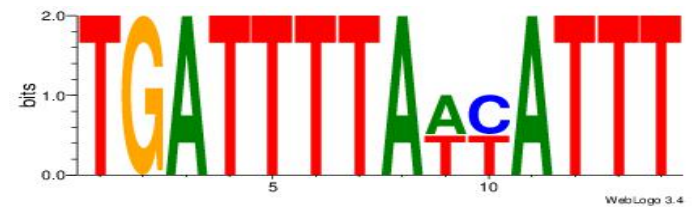
Alignment:

TGATTTTAWKATTT
WWTAKTTCDKAATT

Original motif Consensus sequence: AAATRWATAAATCA



Reverse complement motif Consensus sequence: TGATTTTAWKATTT



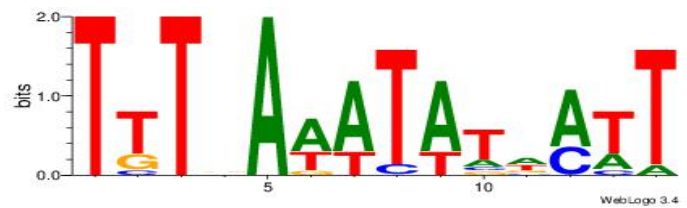
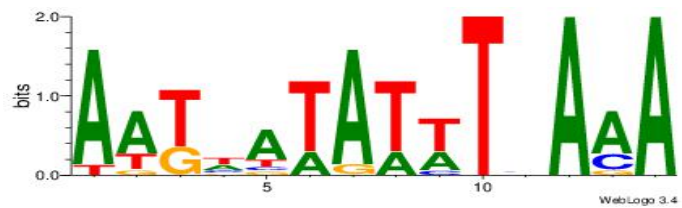
Dataset #: 2
Motif ID: 9
Motif name: Motif 9
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0852679

Alignment:

TTTDAWATATHATT
WWTAKTTCDKAATT

Original motif Consensus sequence: AATHATATWTHAAA

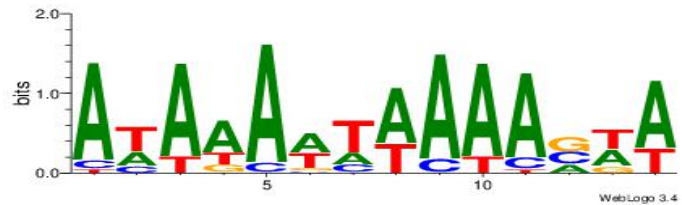
Reverse complement motif Consensus sequence: TTTDAWATATHATT



Dataset #: 2
 Motif ID: 3
 Motif name: Motif 3
 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: 0.0864698

Alignment:
 TWSTTTWAWTTTWT
 WWTAKTTCDKAATT

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTTWT



Dataset #: 2
 Motif ID: 19

Motif name: Motif 19
 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: 1.06667

Alignment:

--TTCWTAGATTAWA
 AATTYDGAARTAWW-

Original motif Consensus sequence: TTCWTAGATTAWA



Reverse complement motif Consensus sequence: TWTAATCTAWGAA

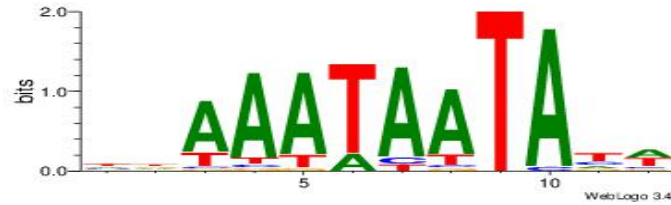


Dataset #: 4
 Motif ID: 37
 Motif name: tkAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 1.07587

Alignment:

WHTATTATTTDH--
WWTAKTTCDKAATT

Original motif Consensus sequence: HDAATAATAHW

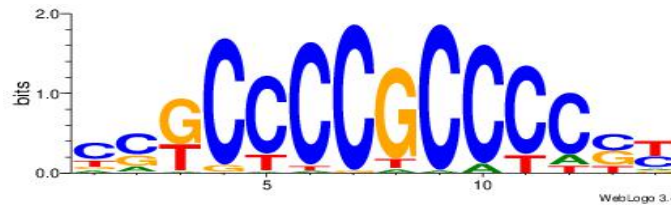


Reverse complement motif Consensus sequence: WHTATTATTTDH

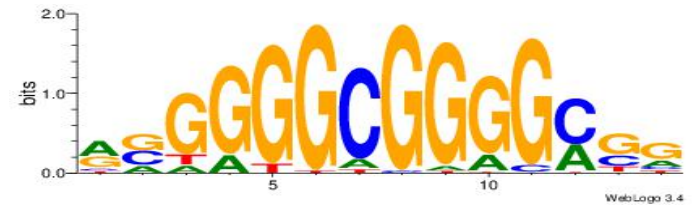


Dataset #: 2 Motif ID: 7 Motif name: Motif 7

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGCGGGGY



Best Matches for Motif ID 7 (Highest to Lowest)

Dataset #:	4
Motif ID:	36
Motif name:	csGCCCCGCCCSy
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1

Number of overlap: 14

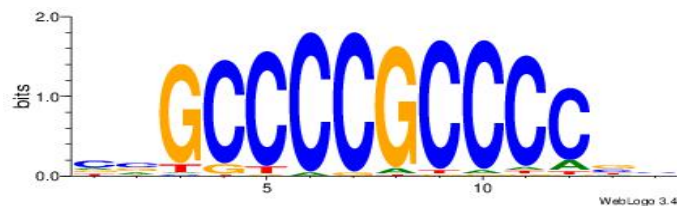
Similarity score: 0

Alignment:

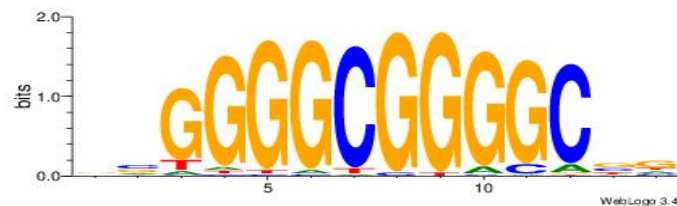
HVCCCCCGCCCCBB

CSKCCCCGCCCCSY

Original motif Consensus sequence: HVCCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC



Dataset #: 4

Motif ID: 38

Motif name: cccGCCCCGCCCCsb

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: 0.0012818

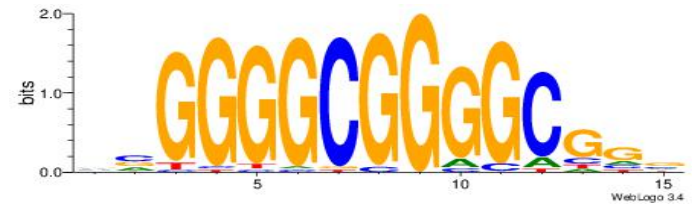
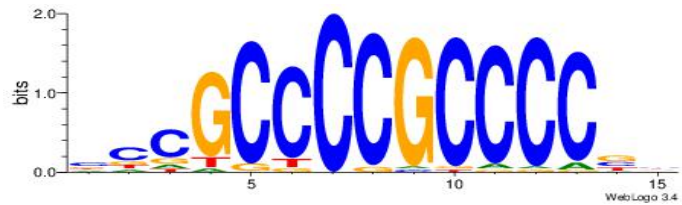
Alignment:

BCCGCCCCGCCCCBB

-CSKCCCCGCCCCSY

Original motif Consensus sequence: BCCGCCCCGCCCCBB

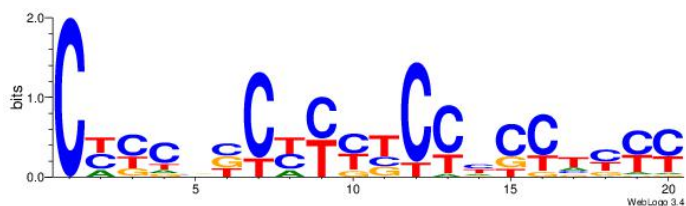
Reverse complement motif Consensus sequence:
BBGGGGCGGGGCGGB



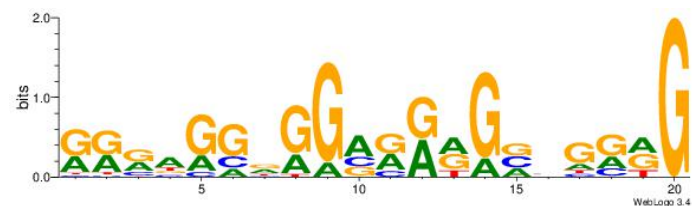
Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0537802

Alignment:
 CYYCBBCYYYTCCHCCTYYY
 ---CSKCCCCGCCCSY---

Original motif Consensus sequence: CYYCBBCYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG



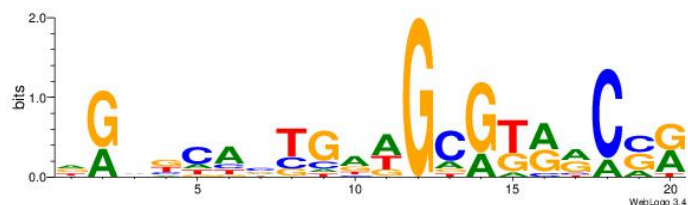
Dataset #: 3

Motif ID: 31
 Motif name: Pax5
 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: 0.0662825

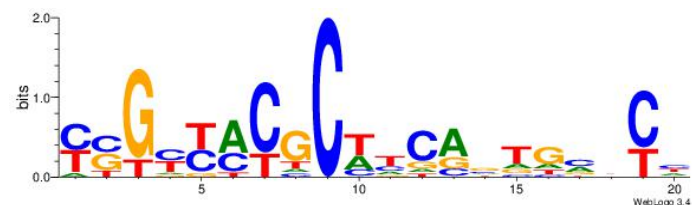
Alignment:

DGVBCABTGDWGCGRCSR
 -----MSGGGGCGGGYSG

Original motif Consensus sequence: DGVBCABTGDWGCGRCSR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBCD



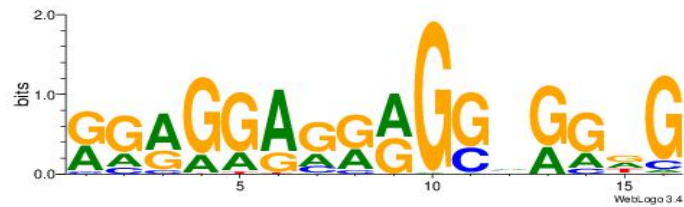
Dataset #: 5
 Motif ID: 51
 Motif name: TFM2
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14

Similarity score: 0.0758609

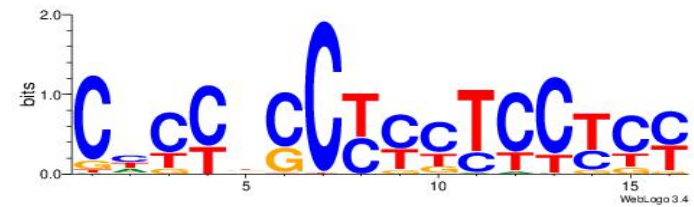
Alignment:

CHCCBCKMCTCCKCM
CSKCCCCGCCCSY--

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCKMCTCCKCM



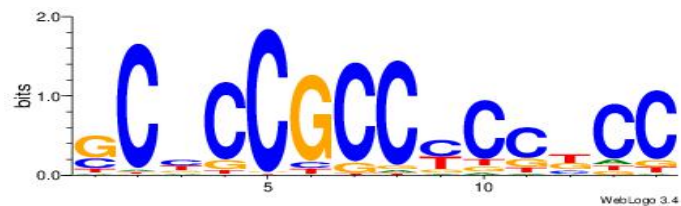
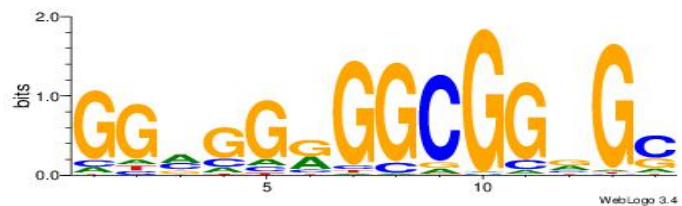
Dataset #: 5
Motif ID: 50
Motif name: TFF11
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.0829042

Alignment:

GCVCCGCCMCCYCC
CSKCCCCGCCCSY

Original motif Consensus sequence: GGMGRRGGCGGVGC

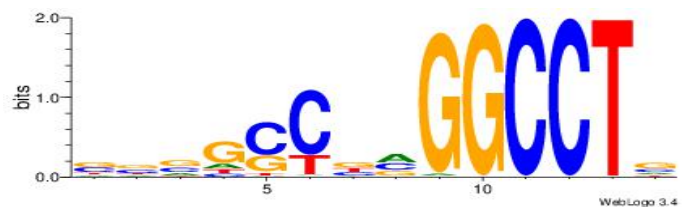
Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC



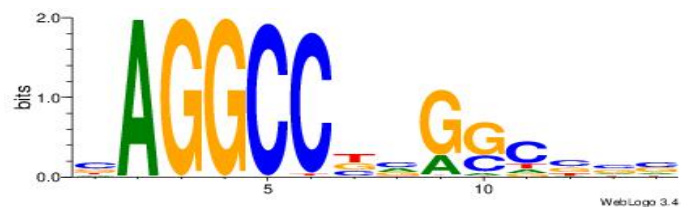
Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0912118

Alignment:
 VAGGCCBBGGCVBB
 CSKCCCCGCCCSY

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCVBB

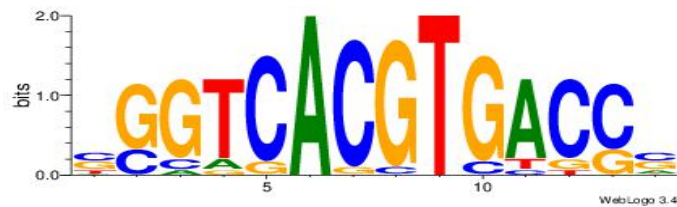


Dataset #: 4
 Motif ID: 42

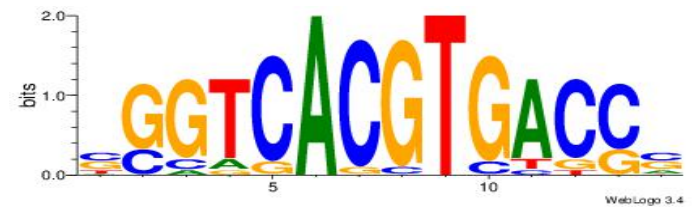
Motif name: sSGTCACGTGACsS
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0948838

Alignment:
 SGGTCACGTGACCS
 MSGGGGCGGGYSG

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS



Dataset #: 3
 Motif ID: 30
 Motif name: PLAG1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.590412

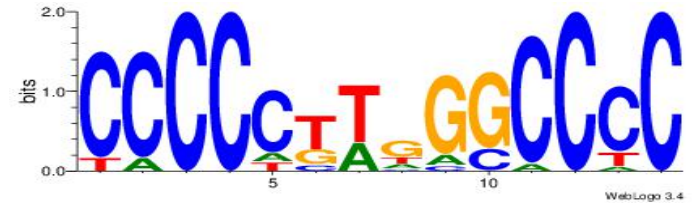
Alignment:

CCCCCTTGGGCCCC-
-CSKCCCCGCCCCSY

Original motif Consensus sequence: GGGCCCAAGGGG



Reverse complement motif Consensus sequence: CCCCCTTGGGCC



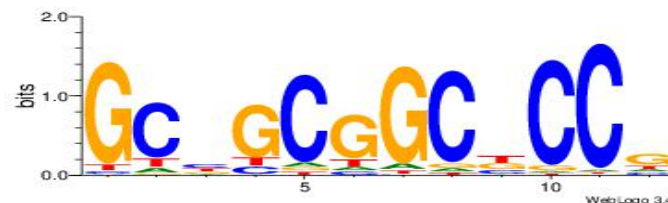
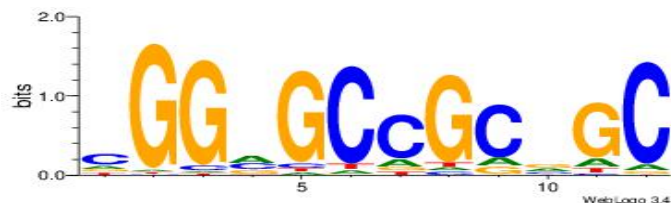
Dataset #: 5
Motif ID: 49
Motif name: TFF1
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 12
Similarity score: 1.07659

Alignment:

CGGVGCCGCVGC--
MSGGGCGGGYSG

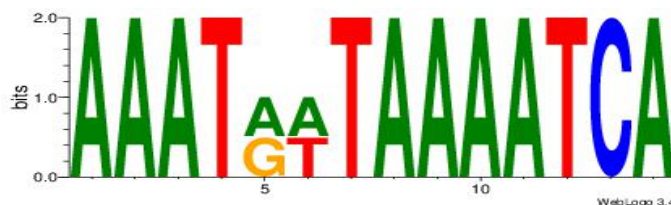
Original motif Consensus sequence: CGGVGCCGCVGC

Reverse complement motif Consensus sequence: GCVGCCGCBCCG

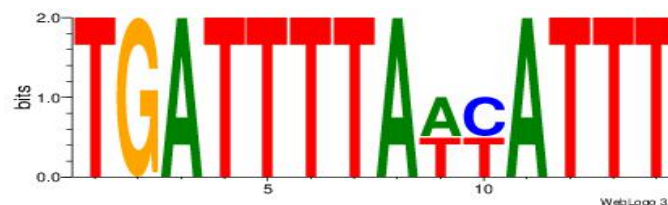


Dataset #: 2 Motif ID: 8 Motif name: Motif 8

Original motif Consensus sequence: AAATRWAAAATCA



Reverse complement motif Consensus sequence: TGATTTTAWKATTT



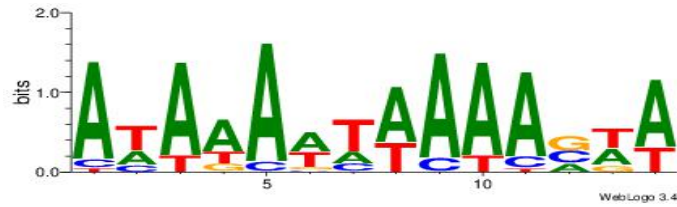
Best Matches for Motif ID 8 (Highest to Lowest)

Dataset #:	2
Motif ID:	3
Motif name:	Motif 3
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:	0.0961539

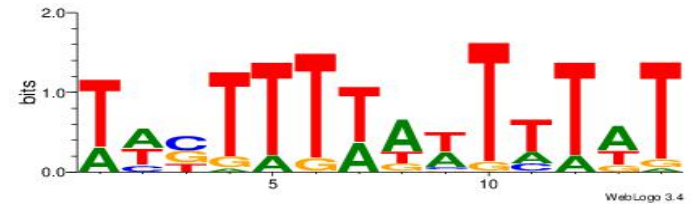
Alignment:

```
TWSTTTWAWTTTWT
TGATTTTAWKATTT
```

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTTVA

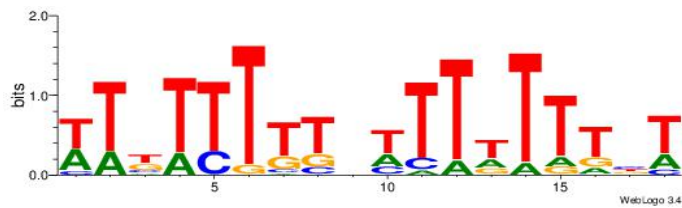


Dataset #: 5
Motif ID: 52
Motif name: TFM1
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 14
Similarity score: 0.10348

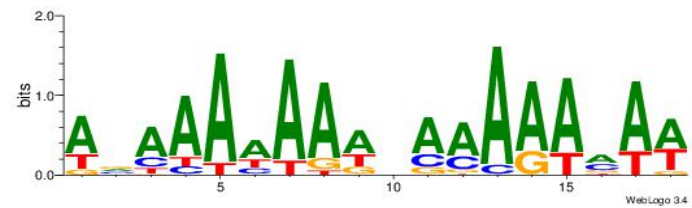
Alignment:

```
WKTTTTTTHWTTTTTTBT  
-TGATTTTAWKATTT---
```

Original motif Consensus sequence: WKTTTTTTHWTTTTTTBT



Reverse complement motif Consensus sequence: ABAAAAAWHAAAAARAW

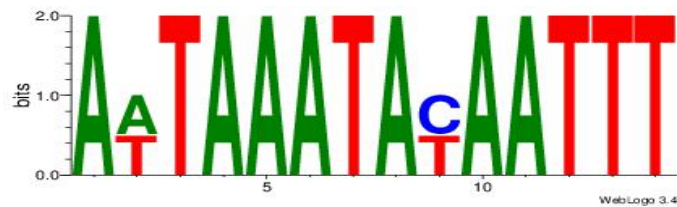


Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.107143

Alignment:

AAATTKTATTTAWT
 TGATTTTAWKATTT

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAWT



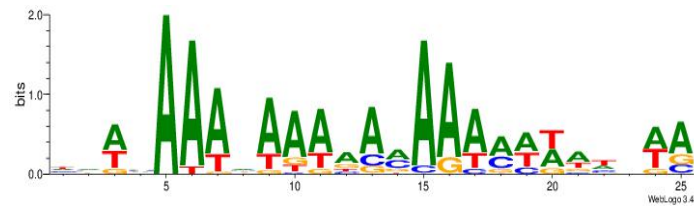
Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 14

Similarity score: 0.111345

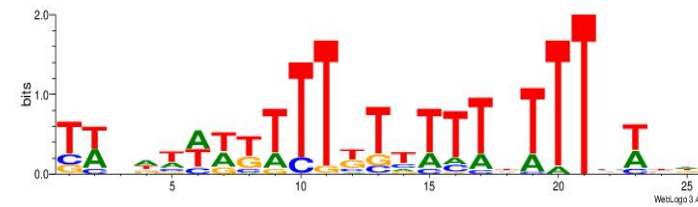
Alignment:

```
HDWVAAAHAAAAAMAAAMWWWHBWA  
-----AAATRWTAAAATCA-----
```

Original motif Consensus sequence:
HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
TWVHWWWYTTTTTTTTTHTTTVWBH



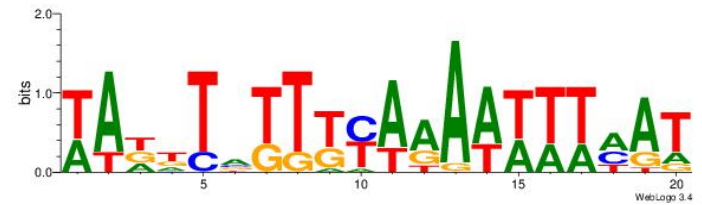
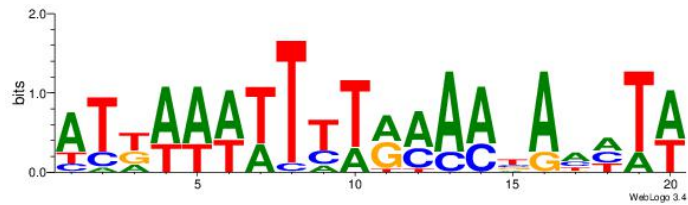
Dataset #: 5
Motif ID: 55
Motif name: TFM13
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 14
Similarity score: 0.11369

Alignment:

```
WAHHTVTTYKAAAATTRAT  
---TGATTTTAWKATTT---
```

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW

Reverse complement motif Consensus sequence:
WAHHTVTTYKAAAATTRAT



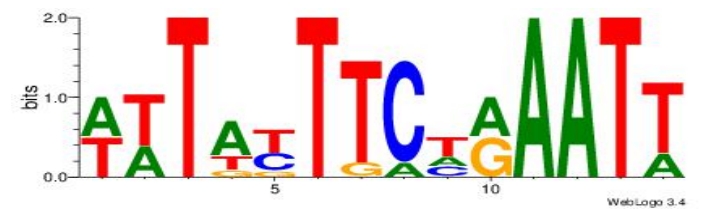
Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.113839

Alignment:
 WWTAKTTCDKAATT
 TGATTTTAWKATTT

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAATT



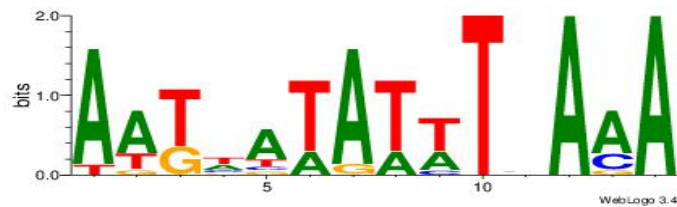
Dataset #: 2
 Motif ID: 9

Motif name: Motif 9
 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: 0.625

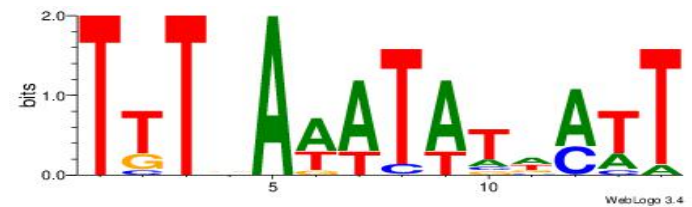
Alignment:

-AATHATATWTHAAA
 AAATRWTA AAAATCA-

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT

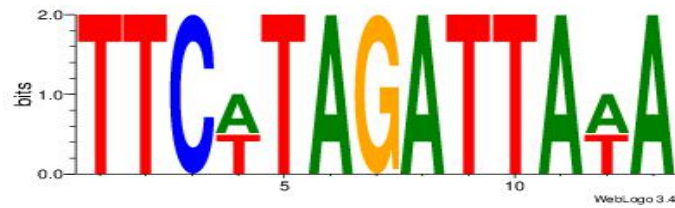


Dataset #: 2
 Motif ID: 19
 Motif name: Motif 19
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 1.10417

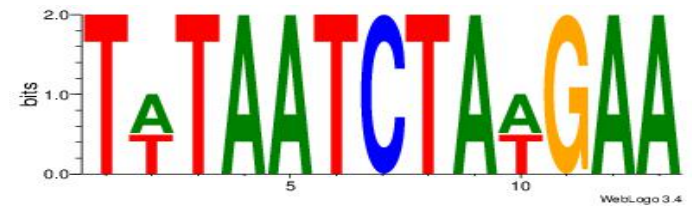
Alignment:

TWTAATCTAWGAA--
-TGATTTTAWKATTT

Original motif Consensus sequence: TTCWTAGATTAWA



Reverse complement motif Consensus sequence: TWTAATCTAWGAA



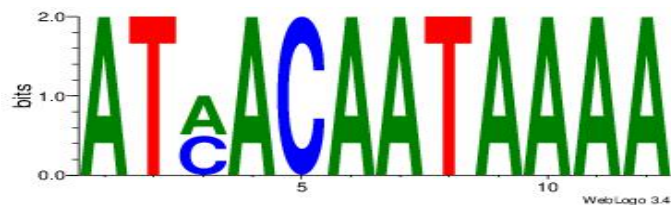
Dataset #: 2
Motif ID: 15
Motif name: Motif 15
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 12
Similarity score: 1.10417

Alignment:

TTTTATTGTYAT--
TGATTTTAWKATTT

Original motif Consensus sequence: ATMACAATAAAA

Reverse complement motif Consensus sequence: TTTTATTGTYAT



Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 1.125

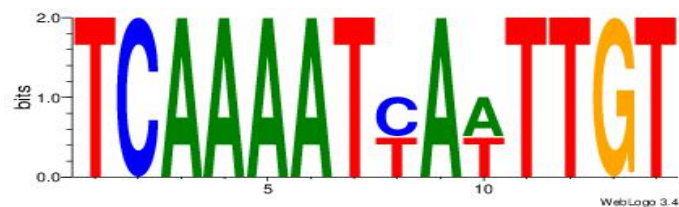
Alignment:

ACAAWTRATTTTGA--
 --AAATRWTAAAATCA

Original motif Consensus sequence: ACAAWTRATTTTGA

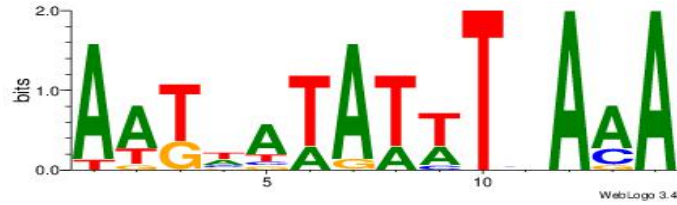


Reverse complement motif Consensus sequence: TCAAAATKAWTTG

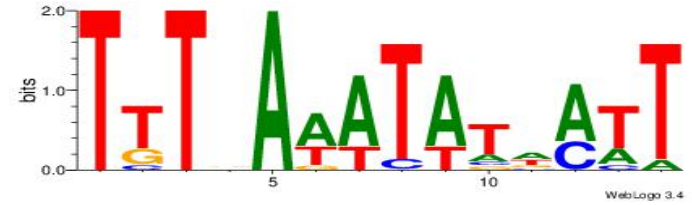


Dataset #: 2 Motif ID: 9 Motif name: Motif 9

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT



Best Matches for Motif ID 9 (Highest to Lowest)

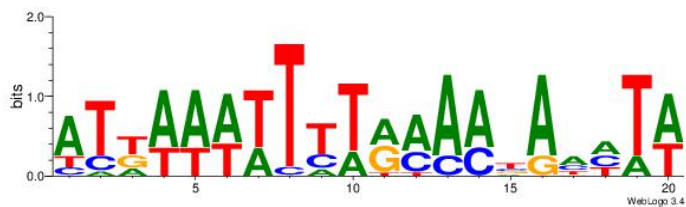
Dataset #:	5
Motif ID:	55
Motif name:	TFM13
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	14
Similarity score:	0.0332341

Alignment:

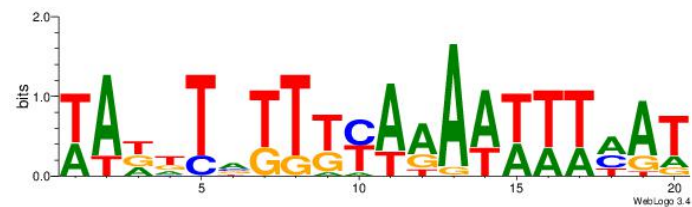
```

WAHHTVTTYKAAAATTRAT
-----TTTDAWATATHATT
  
```

Original motif Consensus sequence: ATKAAWTTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT

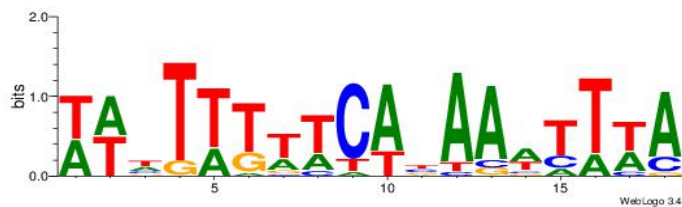


Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0486562

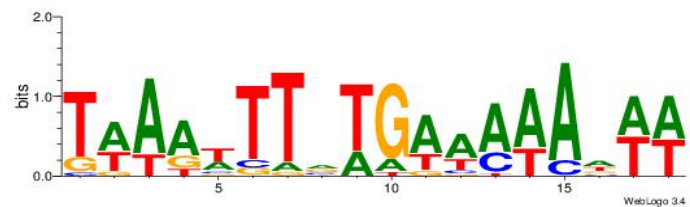
Alignment:

WWHTTTTTTCABAAWTTWA
 ---TTTDAWATATHATT-

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TAAWTTVTGAAAAHWW



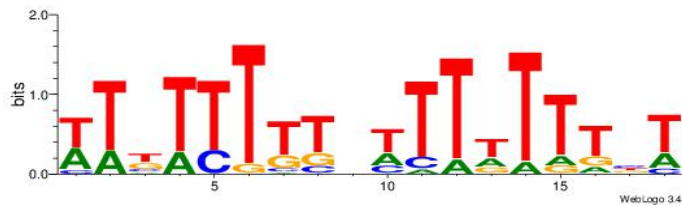
Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4

Number of overlap: 14
 Similarity score: 0.0528083

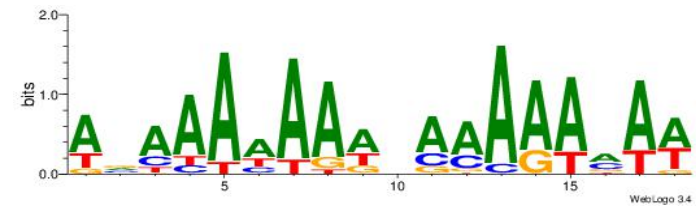
Alignment:

WTKTTTTTHWTTTTTTBT
 ---TTTDAWATATHATT-

Original motif Consensus sequence: WTKTTTTTHWTTTTTTBT



Reverse complement motif Consensus sequence:
 ABAAAAAWhAAAAARAW

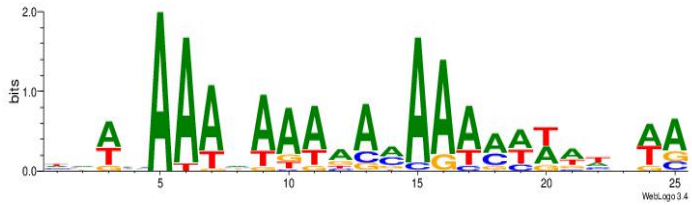


Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.054155

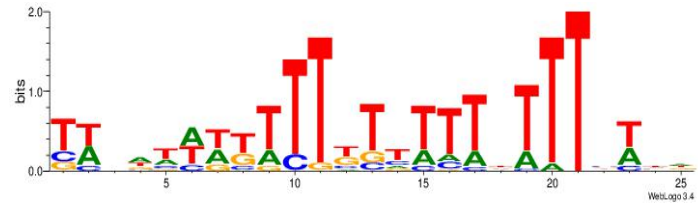
Alignment:

HDWVAAAHA AAAAMAAAAMWWWHBWA
 TTTDAWATATHATT-----

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA



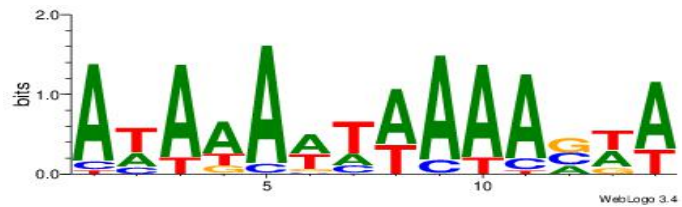
Reverse complement motif Consensus sequence:
 TWVHWWWYTTTTTTTTTHTTTVWBH



Dataset #: 2
 Motif ID: 3
 Motif name: Motif 3
 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: 0.0675748

Alignment:
 TWSTTTWAWTTTWT
 AATHATATWTHAAA

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTTWT



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 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: 0.0741568

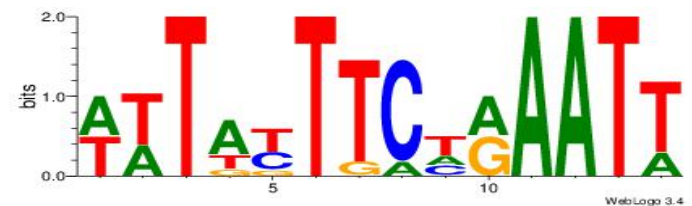
Alignment:

WWTAKTTCDKAATT
 TTTDAWATATHATT

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAATT



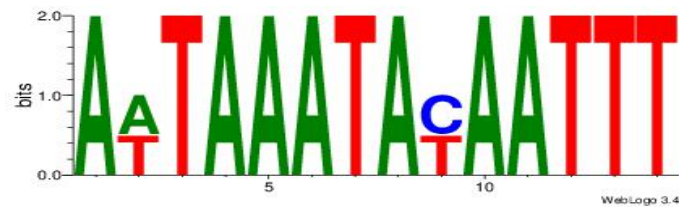
Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 13

Similarity score: 0.547543

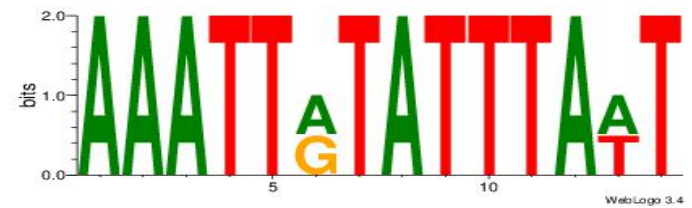
Alignment:

-AAATTKTATTTAWT
AATHATATWTHAAA-

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAWT



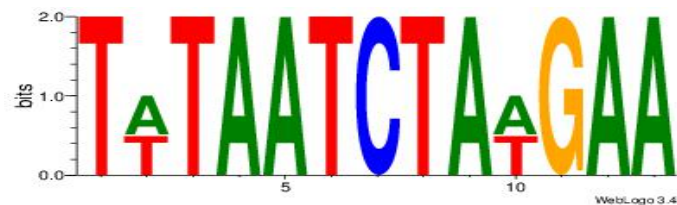
Dataset #: 2
Motif ID: 19
Motif name: Motif 19
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 13
Similarity score: 0.557158

Alignment:

-TTCWTAGATTAWA
AATHATATWTHAAA

Original motif Consensus sequence: TTCWTAGATTAWA

Reverse complement motif Consensus sequence: TWTAATCTAWGAA

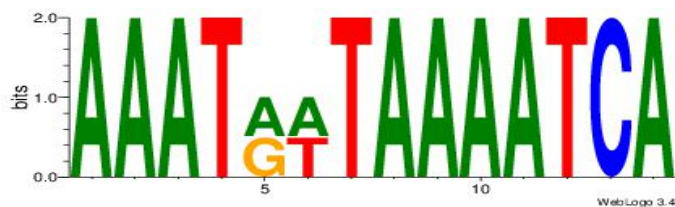


Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.576389

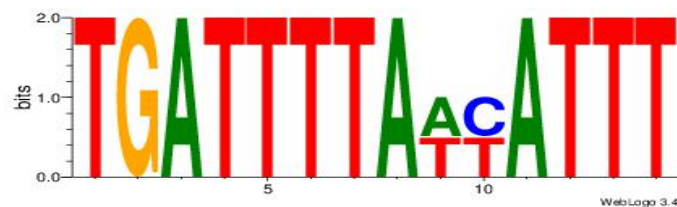
Alignment:

-TGATTTTAWKATTT
 TTTDAWATATHATT-

Original motif Consensus sequence: AAATRWAAAATCA



Reverse complement motif Consensus sequence: TGATTTTAWKATTT

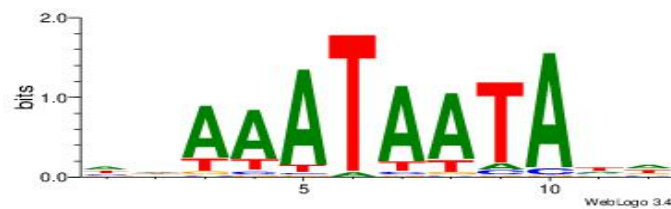


Dataset #: 4
 Motif ID: 41

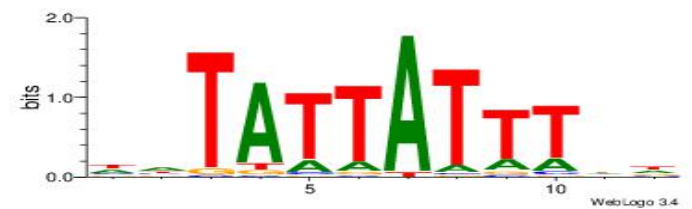
Motif name: wwAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 1.03318

Alignment:
 --HDAAATAATADD
 TTTDAWATATHATT

Original motif Consensus sequence: HDAAATAATADD

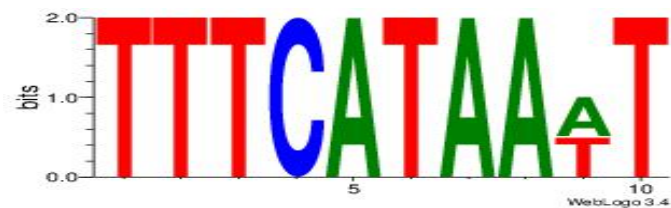


Reverse complement motif Consensus sequence: DDTATTATTTDH

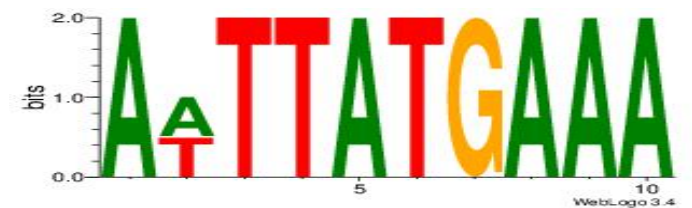


Dataset #: 2 Motif ID: 10 Motif name: Motif 10

Original motif Consensus sequence: TTTCATAAWT



Reverse complement motif Consensus sequence: AWTTATGAAA



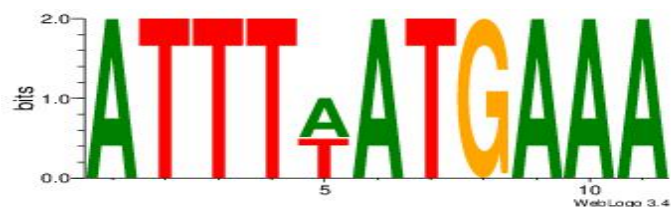
Best Matches for Motif ID 10 (Highest to Lowest)

Dataset #: 2
 Motif ID: 11
 Motif name: Motif 11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.01875

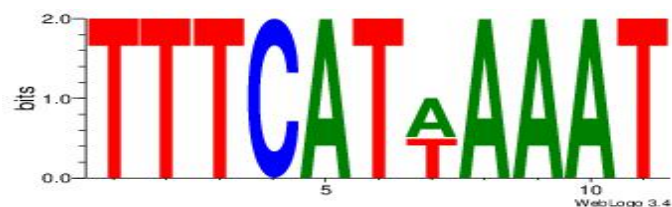
Alignment:

ATTTWATGAAA
 -AWTTATGAAA

Original motif Consensus sequence: ATTTWATGAAA



Reverse complement motif Consensus sequence: TTTTCATWAAAT



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 10

Similarity score: 0.0375

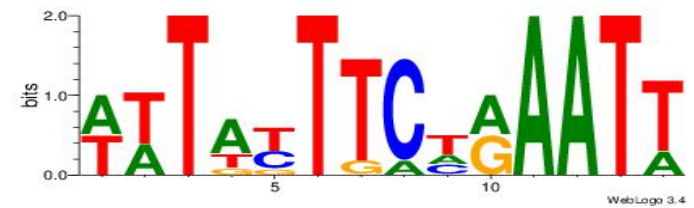
Alignment:

AATTYDGAARTAWW
----AWTTATGAAA

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAT



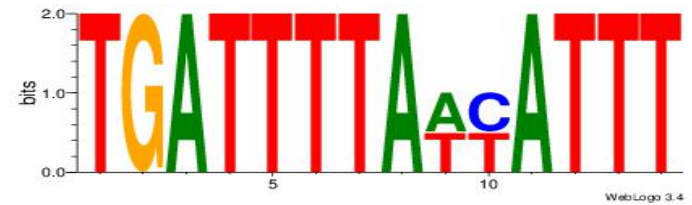
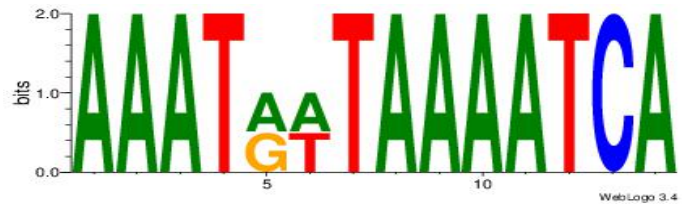
Dataset #: 2
Motif ID: 8
Motif name: Motif 8
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 10
Similarity score: 0.04375

Alignment:

TGATTTTAWKATTT
-TTCATAAWT---

Original motif Consensus sequence: AAATRWTAATCA

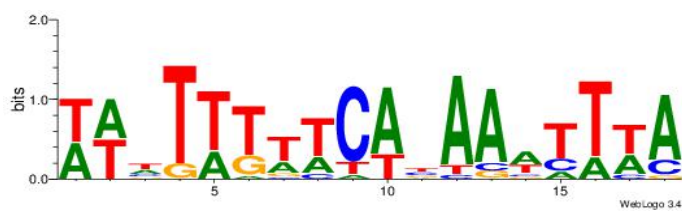
Reverse complement motif Consensus sequence: TGATTTTAWKATTT



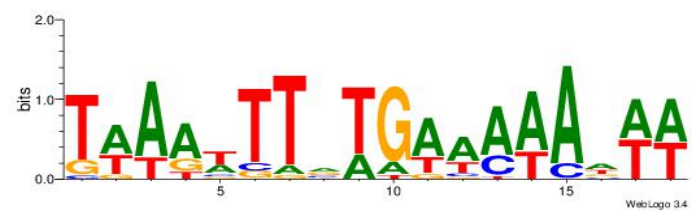
Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 10
 Similarity score: 0.0448864

Alignment:
 TWAAWTTVTGAAAAHWW
 ---AWTTATGAAA-----

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TWAAWTTVTGAAAAHWW



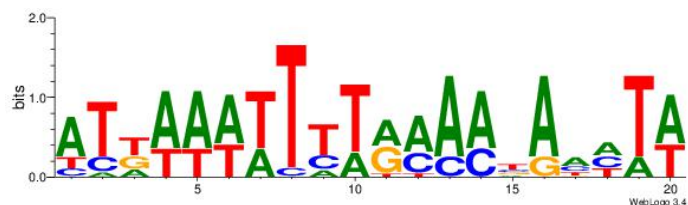
Dataset #: 5

Motif ID: 55
 Motif name: TFM13
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0545833

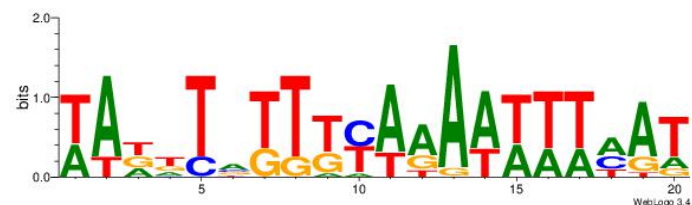
Alignment:

ATKAAWTTTTTRMAABAHHTW
 ----AWTTATGAAA-----

Original motif Consensus sequence: ATKAAWTTTTTRMAABAHHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT



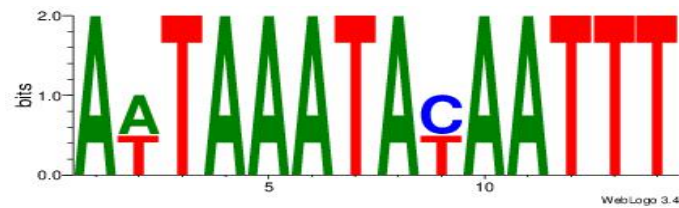
Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 10

Similarity score: 0.05625

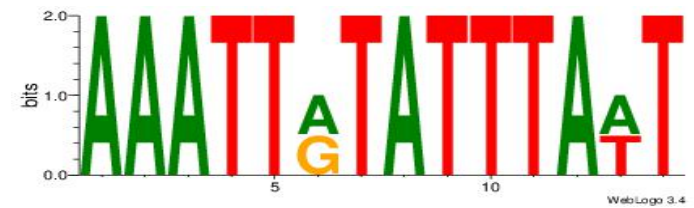
Alignment:

AWTAAATAYAATTT
----AWTTATGAAA

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAW



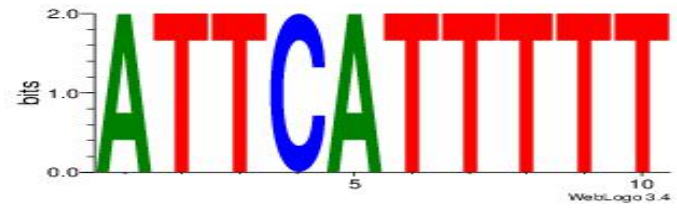
Dataset #: 2
Motif ID: 17
Motif name: Motif 17
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 10
Similarity score: 0.05625

Alignment:

ATTCATTTTT
TTCATAAWT

Original motif Consensus sequence: AAAAATGAAT

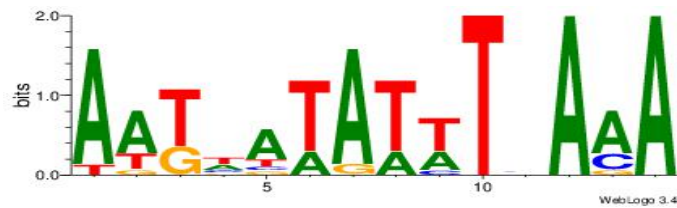
Reverse complement motif Consensus sequence: ATTCATTTTT



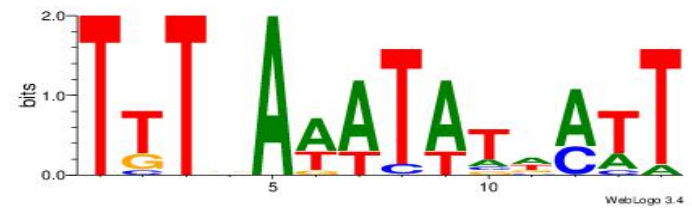
Dataset #: 2
 Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0604166

Alignment:
 TTTDAWATATHATT
 ----TTTCATAAWT

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHATT

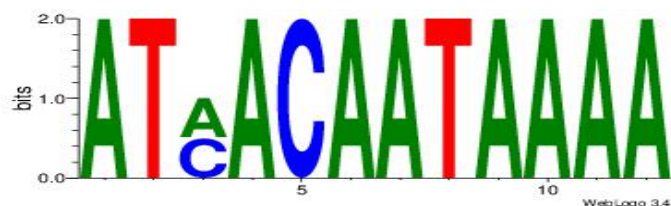


Dataset #: 2
 Motif ID: 15

Motif name: Motif 15
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.06875

Alignment:
 ATMACAATAAAA
 --AWTTATGAAA

Original motif Consensus sequence: ATMACAATAAAA



Reverse complement motif Consensus sequence: TTTTATTGTYAT

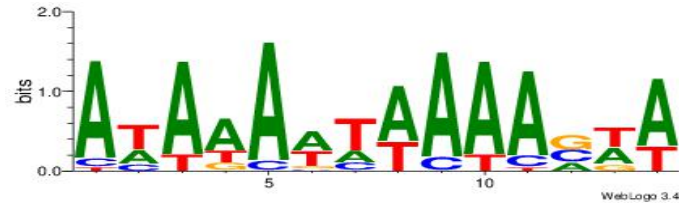


Dataset #: 2
 Motif ID: 3
 Motif name: Motif 3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0706731

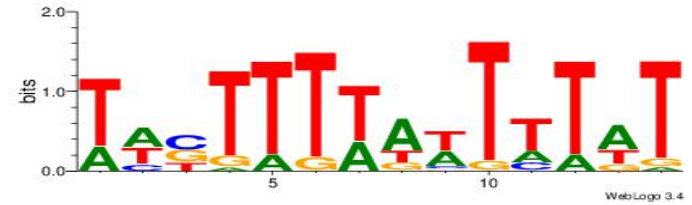
Alignment:

AWAAAWTWAAASWA
----AWTTATGAAA

Original motif Consensus sequence: AWAAAWTWAAASWA

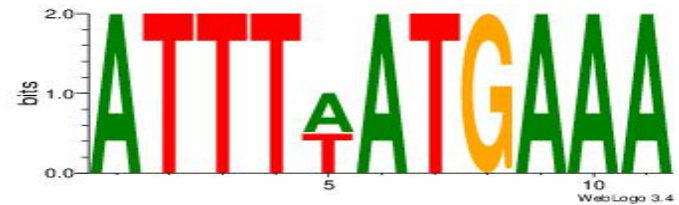


Reverse complement motif Consensus sequence: TWSTTTWAWTTT

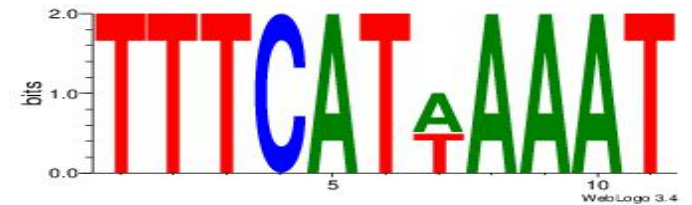


Dataset #: 2 Motif ID: 11 Motif name: Motif 11

Original motif Consensus sequence: ATTTWATGAAA



Reverse complement motif Consensus sequence: TTTTCATWAAAT



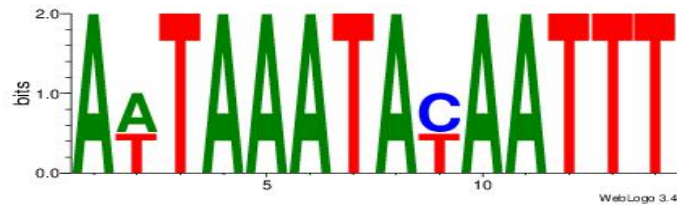
Best Matches for Motif ID 11 (Highest to Lowest)

Dataset #:	2
Motif ID:	5
Motif name:	Motif 5
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3

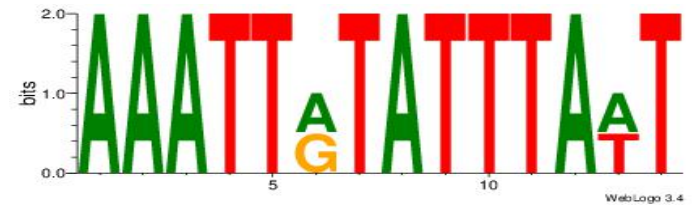
Number of overlap: 11
Similarity score: 0.0795455

Alignment:
AWTAAATAYAATTT
--TTTCATWAAAT-

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAW

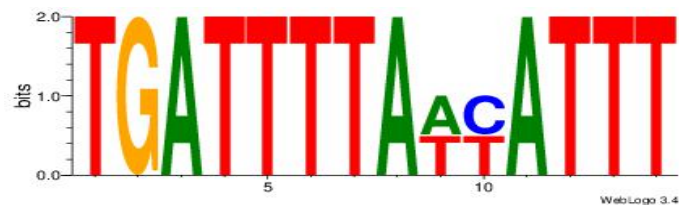
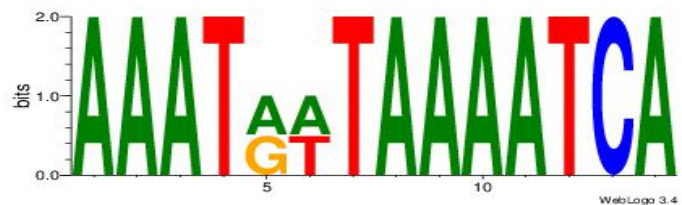


Dataset #: 2
Motif ID: 8
Motif name: Motif 8
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 11
Similarity score: 0.0795455

Alignment:
AAATRWTAATCA
--TTTCATWAAAT-

Original motif Consensus sequence: AAATRWTAATCA

Reverse complement motif Consensus sequence: TGATTTAWKATT

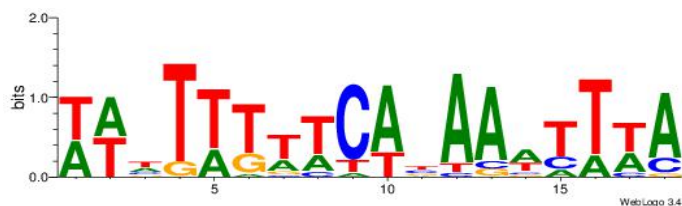


Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0991736

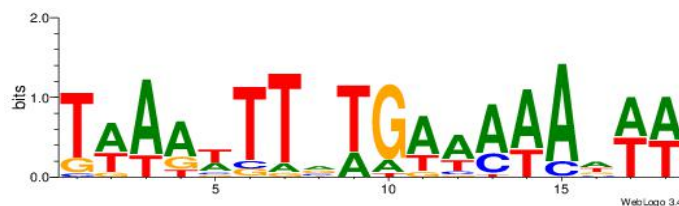
Alignment:

WWHTTTTTTCABAAWTTWA
 -----TTCATWAAAT--

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TAAWTTVTGAAAAHWW



Dataset #: 2

Motif ID: 18
 Motif name: Motif 18
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.102273

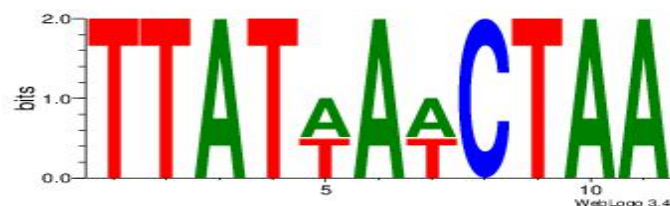
Alignment:

TTATWAWCTAA
 ATTTWATGAAA

Original motif Consensus sequence: TTAGWTWATAA



Reverse complement motif Consensus sequence: TTATWAWCTAA



Dataset #: 2
 Motif ID: 15
 Motif name: Motif 15
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.102273

Alignment:

TTTTATTGTYAT
ATTTWATGAAA-

Original motif Consensus sequence: ATMACAATAAAA



Reverse complement motif Consensus sequence: TTTTATTGTYAT



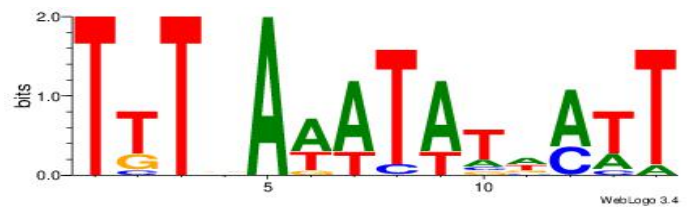
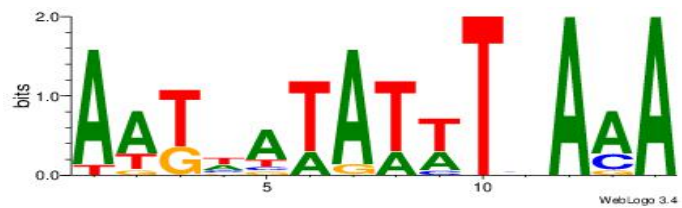
Dataset #: 2
Motif ID: 9
Motif name: Motif 9
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.109848

Alignment:

AATHATATWTHAAA
---ATTTWATGAAA

Original motif Consensus sequence: AATHATATWTHAAA

Reverse complement motif Consensus sequence: TTTDAWATATHAT



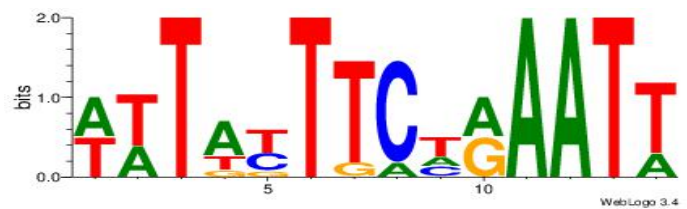
Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.113636

Alignment:
 AATTYDGAARTAWW
 -ATTTWATGAAA--

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAAT



Dataset #: 2
 Motif ID: 19

Motif name: Motif 19
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.113636

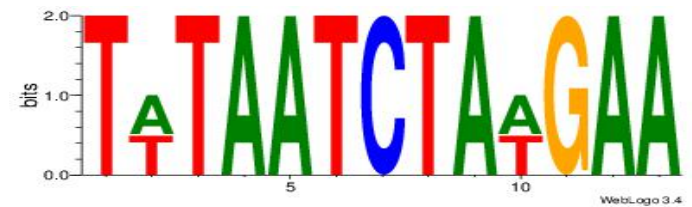
Alignment:

TWTAACTAWGAA
 TTTCATWAAAT--

Original motif Consensus sequence: TTCWTAGATTAWA



Reverse complement motif Consensus sequence: TWTAACTAWGAA

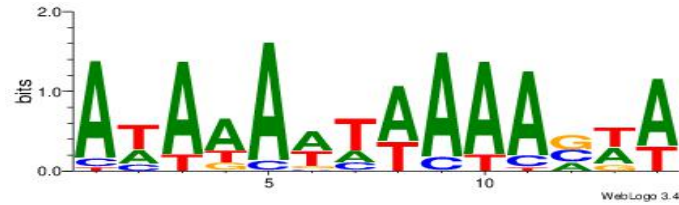


Dataset #: 2
 Motif ID: 3
 Motif name: Motif 3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.113636

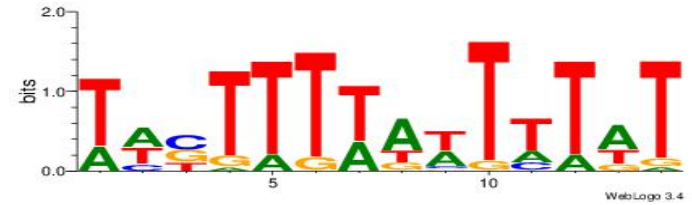
Alignment:

```
TWSTTTWAWTTTWT  
---TTTCATWAAAT
```

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTTWT



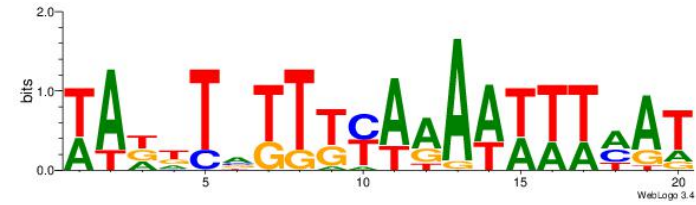
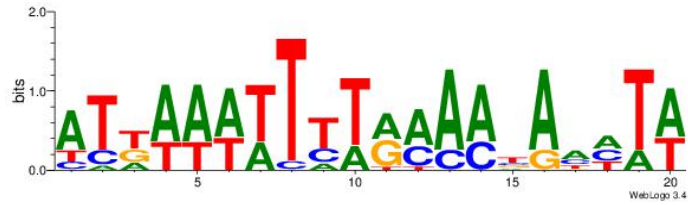
Dataset #: 5
Motif ID: 55
Motif name: TFM13
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 11
Similarity score: 0.114394

Alignment:

```
ATKAAWTTTTRMAABAHTW  
---ATTTWATGAAA-----
```

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW

Reverse complement motif Consensus sequence:
WAHHTVTTYKAAAATTRAT



Dataset #: 2 Motif ID: 12 Motif name: Motif 12

Original motif Consensus sequence: AAAACAAA



Reverse complement motif Consensus sequence: TTTGTTTT



Best Matches for Motif ID 12 (Highest to Lowest)

Dataset #:	2
Motif ID:	15
Motif name:	Motif 15
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	8
Similarity score:	0.0625

Alignment:
 TTTTATTGTYAT
 -TTGTTTT---

Original motif Consensus sequence: ATMACAATAAAA



Reverse complement motif Consensus sequence: TTTTATTGTYAT



Dataset #: 2
Motif ID: 17
Motif name: Motif 17
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 8
Similarity score: 0.0625

Alignment:

AAAAATGAAT
-AAAACAAA-

Original motif Consensus sequence: AAAAATGAAT



Reverse complement motif Consensus sequence: ATTCAATTTTT



Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.078125

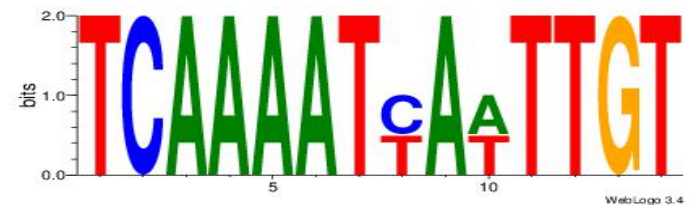
Alignment:

TCAAAATKAWTTGT
 --AAAACAAA-----

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTGT



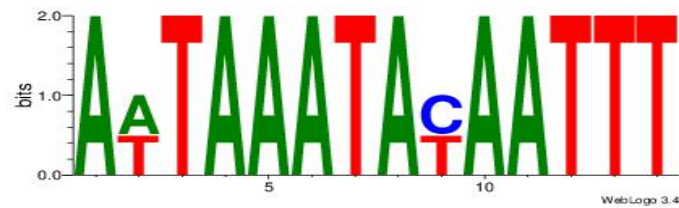
Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 8

Similarity score: 0.078125

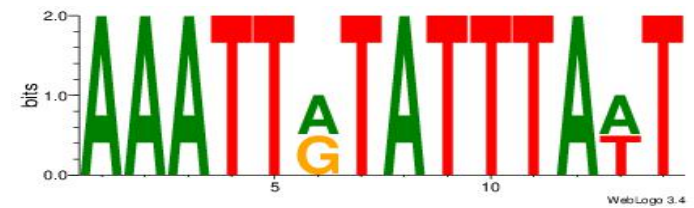
Alignment:

AAATTKTATTTAWT
--TTTGTTTT-----

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAWT



Dataset #: 2
Motif ID: 14
Motif name: Motif 14
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 8
Similarity score: 0.078125

Alignment:

AWAAATAA
AAAACAAA

Original motif Consensus sequence: AWAAATAA

Reverse complement motif Consensus sequence: TTATTTWT



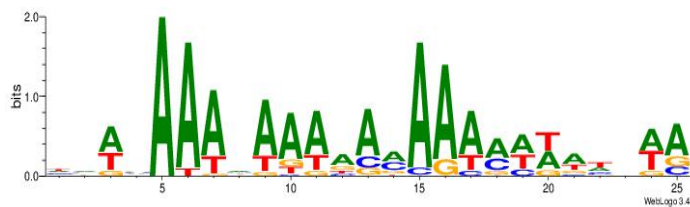
Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 10
 Number of overlap: 8
 Similarity score: 0.0790441

Alignment:

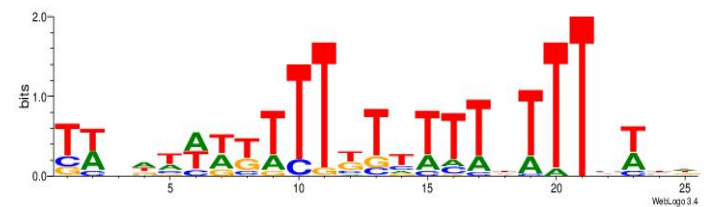
```

HDWVAAAHAAAAAMAAAMWWWHBWA
-----AAAACAAA-----
  
```

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
 TWVHWWWYTTTTTTTTTHTTTVWBH



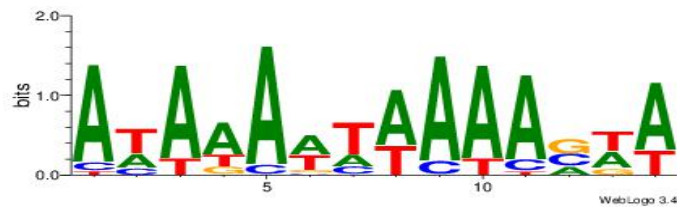
Dataset #: 2

Motif ID: 3
 Motif name: Motif 3
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.0805288

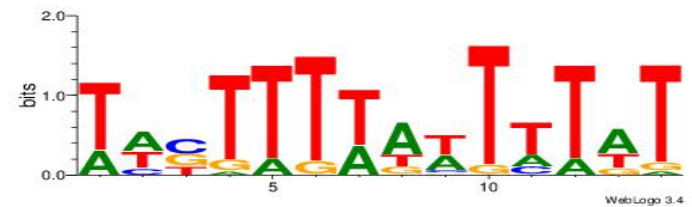
Alignment:

AWAAAWTWAAASWA
 --AAAACAAA-----

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTT

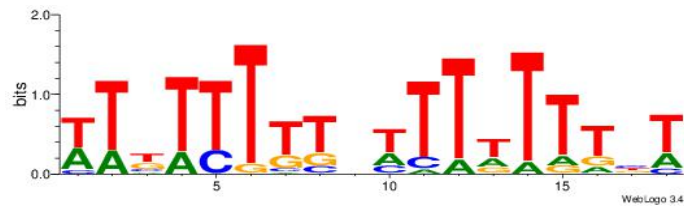


Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0873397

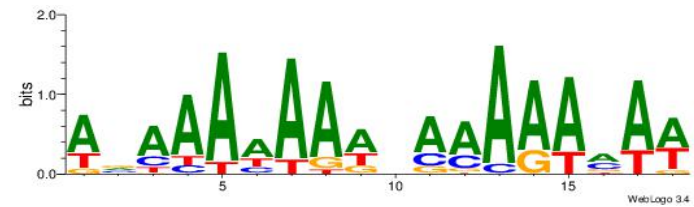
Alignment:

ABAAAAAWhAAAAARAW
-----AAAACAAA-----

Original motif Consensus sequence: WTKTTTTTHWTTTTTBT



Reverse complement motif Consensus sequence:
ABAAAAAWhAAAAARAW



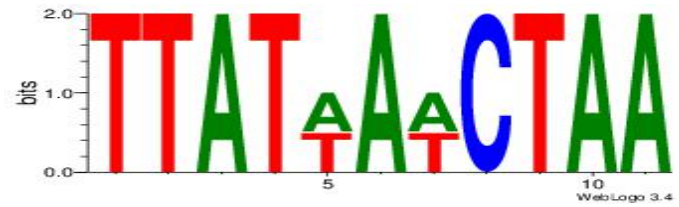
Dataset #: 2
Motif ID: 18
Motif name: Motif 18
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 8
Similarity score: 0.09375

Alignment:

TTAGWTWATAA
TTTGTTTT---

Original motif Consensus sequence: TTAGWTWATAA

Reverse complement motif Consensus sequence: TTATWAWCTAA

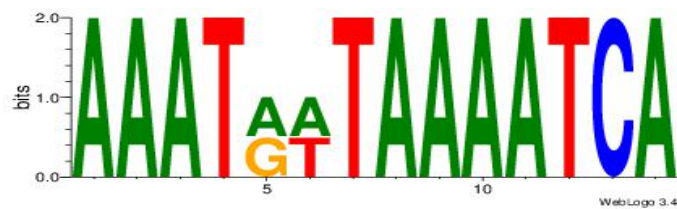


Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.09375

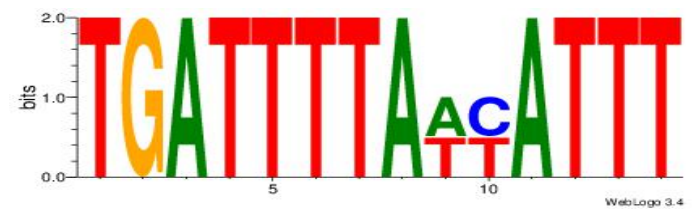
Alignment:

AAATRWTA~~AAA~~ATCA
 --AAAACAAA-----

Original motif Consensus sequence: AAATRWTA~~AAA~~ATCA



Reverse complement motif Consensus sequence: TGATTTTAA~~TTT~~ATTT



Dataset #: 2 Motif ID: 13 Motif name: Motif 13

Original motif Consensus sequence: AAAGATTT



Reverse complement motif Consensus sequence: AAATCTTT



Best Matches for Motif ID 13 (Highest to Lowest)

Dataset #:	2
Motif ID:	20
Motif name:	Motif 20
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	8
Similarity score:	0

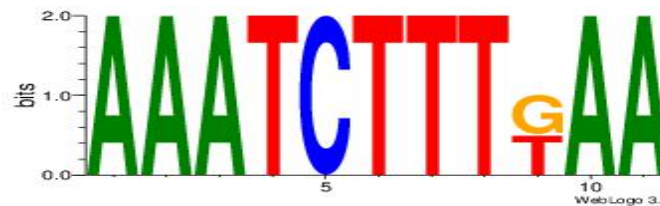
Alignment:

```
AAATCTTTYAA
AAATCTTT---
```

Original motif Consensus sequence: TTMAAAGATTT



Reverse complement motif Consensus sequence: AAATCTTTYAA

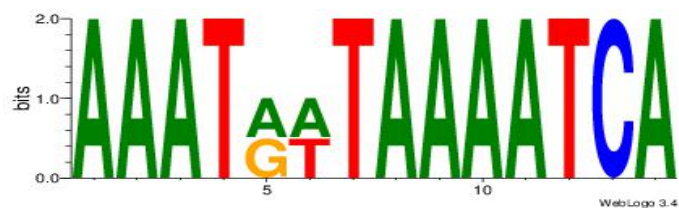


Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.0625

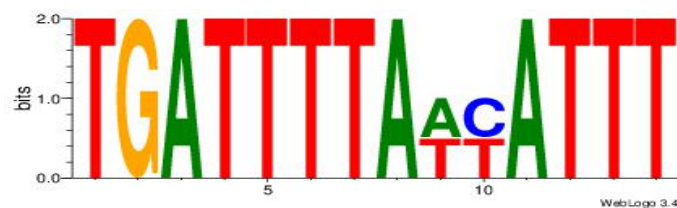
Alignment:

AAATRWTA~~AAAT~~CA
 -----AAATCTTT

Original motif Consensus sequence: AAATRWTA~~AAAT~~CA



Reverse complement motif Consensus sequence: TGATTTTAWKATT



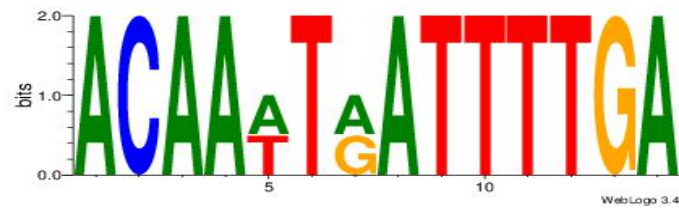
Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8

Similarity score: 0.0625

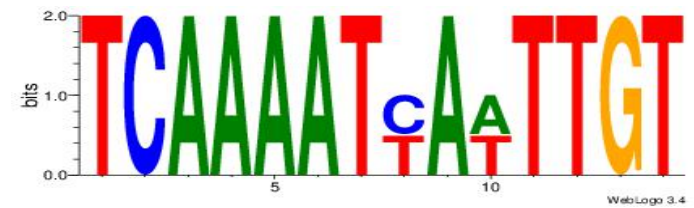
Alignment:

ACAAWTRATTTTGA
---AAAGATTT---

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTG



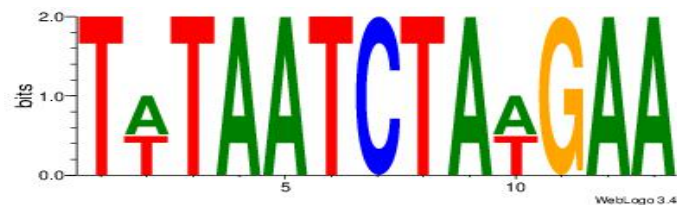
Dataset #: 2
Motif ID: 19
Motif name: Motif 19
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0.078125

Alignment:

TTCWTAGATTAWA
---AAAGATTT--

Original motif Consensus sequence: TTCWTAGATTAWA

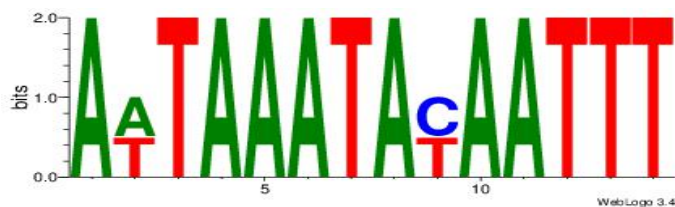
Reverse complement motif Consensus sequence: TWTAATCTAWGAA



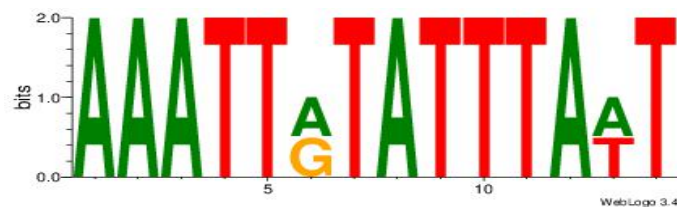
Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 7
 Number of overlap: 8
 Similarity score: 0.078125

Alignment:
 AAATTKTATTTAWT
 AAATCTTT-----

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAWT



Dataset #: 2
 Motif ID: 4

Motif name: Motif 4
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0822369

Alignment:
 AWGKAAWTTTT
 ---AAATCTTT

Original motif Consensus sequence: AAAWTTTCWT



Reverse complement motif Consensus sequence: AWGKAAWTTTT



Dataset #: 2
 Motif ID: 17
 Motif name: Motif 17
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.09375

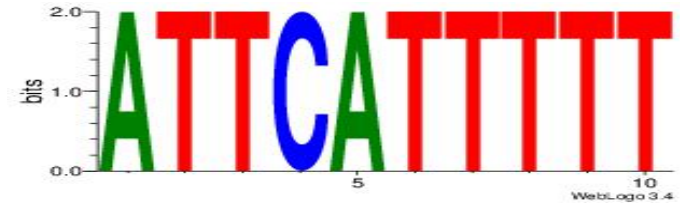
Alignment:

AAAAATGAAT
--AAATCTTT

Original motif Consensus sequence: AAAAATGAAT



Reverse complement motif Consensus sequence: ATTCAATTTT



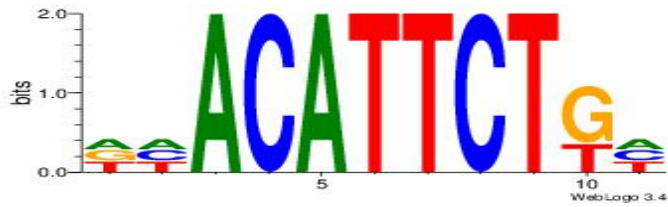
Dataset #: 4
Motif ID: 44
Motif name: dhACATTCTkh
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 8
Similarity score: 0.104167

Alignment:

DHACATTCTGH
AAAGATTT---

Original motif Consensus sequence: DHACATTCTGH

Reverse complement motif Consensus sequence: HCAGAATGTHD



Dataset #: 2
 Motif ID: 14
 Motif name: Motif 14
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.109375

Alignment:
 AWAAATAA
 AAAGATTT

Original motif Consensus sequence: AWAAATAA



Reverse complement motif Consensus sequence: TTATTTWT

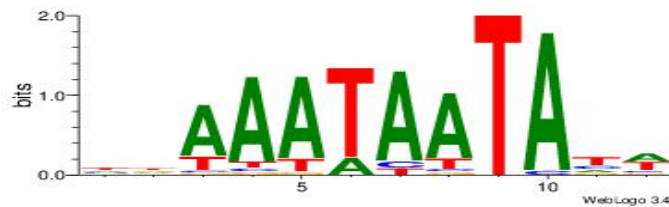


Dataset #: 4
 Motif ID: 37

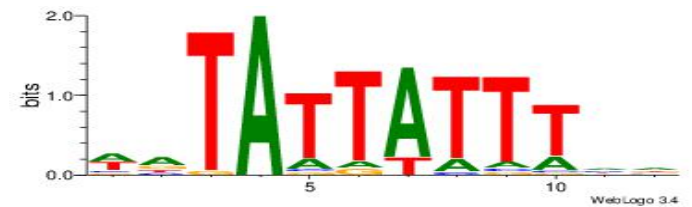
Motif name: tkAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.110417

Alignment:
 HDAAATAATAHW
 --AAATCTTT--

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTDDH



Dataset #: 2 Motif ID: 14 Motif name: Motif 14

Original motif Consensus sequence: AWAAATAA



Reverse complement motif Consensus sequence: TTATTTWT



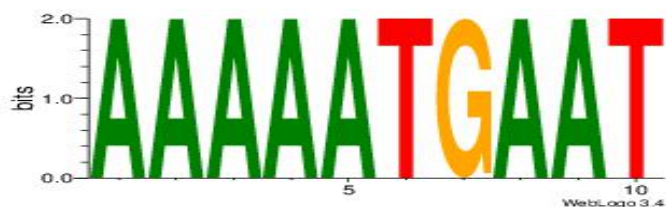
Best Matches for Motif ID 14 (Highest to Lowest)

Dataset #: 2
 Motif ID: 17
 Motif name: Motif 17
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.046875

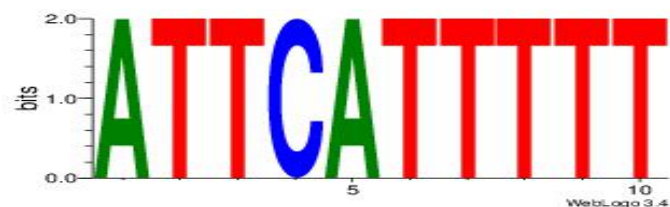
Alignment:

ATTCATTTTT
 --TTATTTWT

Original motif Consensus sequence: AAAAATGAAT



Reverse complement motif Consensus sequence: ATTCATTTTT



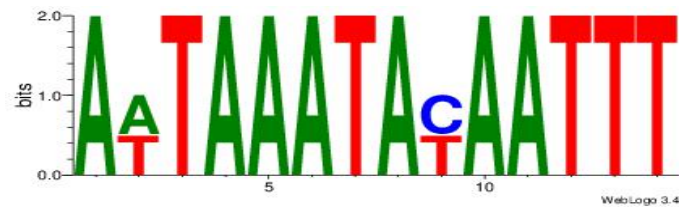
Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8

Similarity score: 0.046875

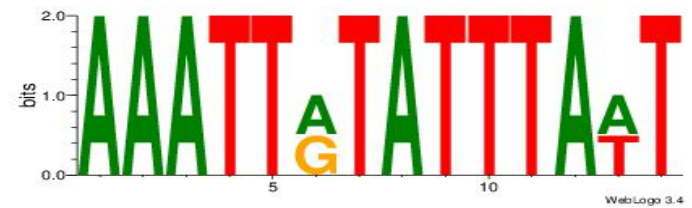
Alignment:

AAATTKTATTTAWT
-----TTATTTWT-

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAWT



Dataset #: 2
Motif ID: 15
Motif name: Motif 15
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 8
Similarity score: 0.0625

Alignment:

ATMACAATAAAA
--AWAAATAA--

Original motif Consensus sequence: ATMACAATAAAA

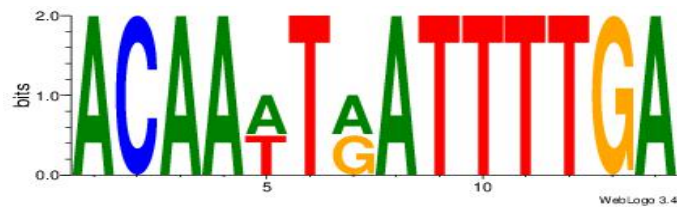
Reverse complement motif Consensus sequence: TTTTATTGTYAT



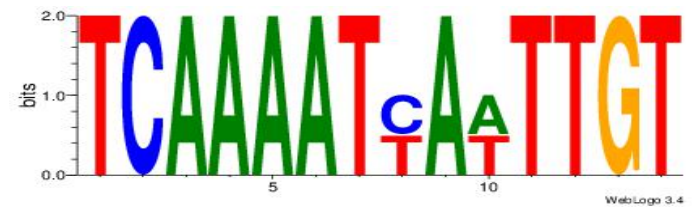
Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.0625

Alignment:
 ACAAWTRATTTTGA
 AWAAATAA-----

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTG

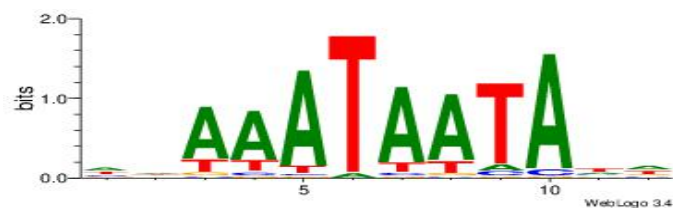


Dataset #: 4
 Motif ID: 41

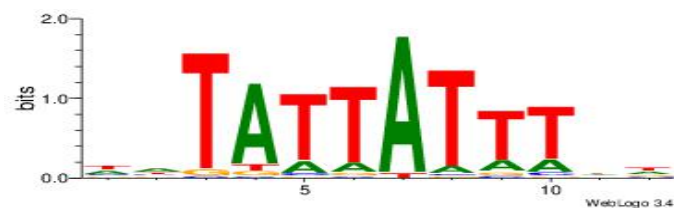
Motif name: wwAAATAATAtw
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0636574

Alignment:
 HDAAATAATADD
 AWAATAA-----

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH

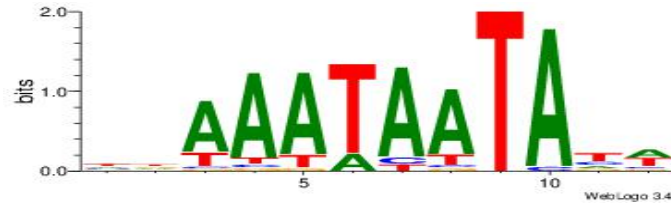


Dataset #: 4
 Motif ID: 37
 Motif name: tkAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.0697917

Alignment:

WHTATTATTTDH
----TTATTTWT

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH



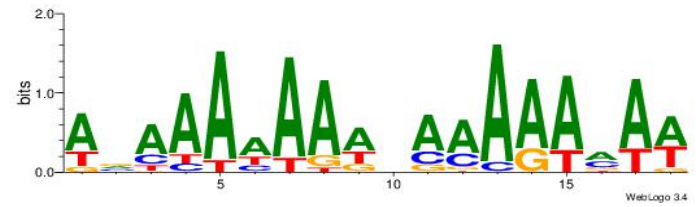
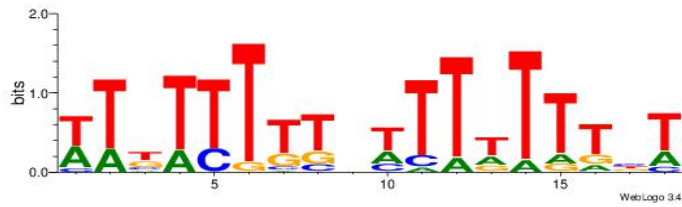
Dataset #: 5
Motif ID: 52
Motif name: TFM1
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 8
Similarity score: 0.078125

Alignment:

WKTTTTTHWTTTTTBT
-----TTATTTWT-----

Original motif Consensus sequence: WTKTTTTTHWTTTTTBT

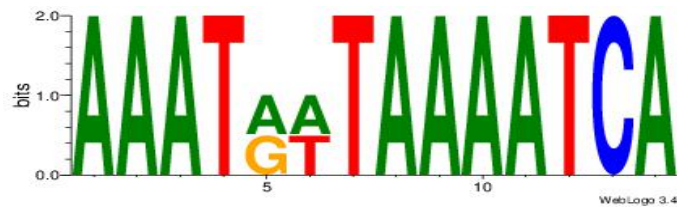
Reverse complement motif Consensus sequence:
ABAAAAAWHAAAAARAW



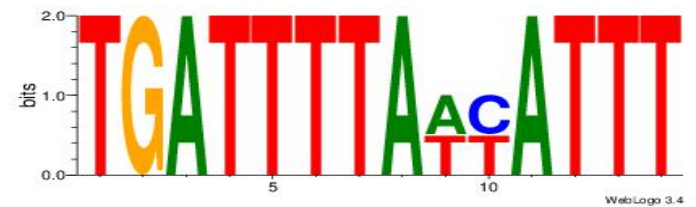
Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.078125

Alignment:
 TGATTTTAWKATTT
 -----TTATTTWT-

Original motif Consensus sequence: AAATRWATAAATCA



Reverse complement motif Consensus sequence: TGATTTTAWKATTT



Dataset #: 2
 Motif ID: 12

Motif name: Motif 12
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 8
Similarity score: 0.078125

Alignment:
AAAACAAA
AWAAATAA

Original motif Consensus sequence: AAAACAAA



Reverse complement motif Consensus sequence: TTTGTTTT



Dataset #: 2
Motif ID: 18
Motif name: Motif 18
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 8
Similarity score: 0.078125

Alignment:

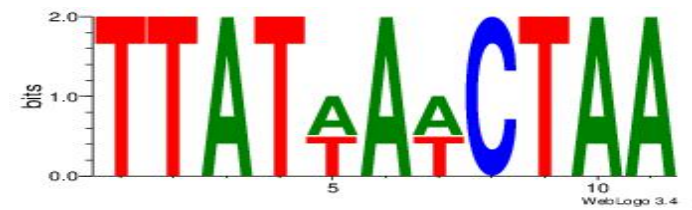
TTAGWTWATAA

---AWAAATAA

Original motif Consensus sequence: TTAGWTWATAA

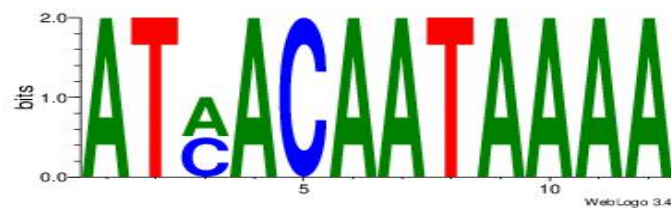


Reverse complement motif Consensus sequence: TTATWAWCTAA



Dataset #: 2 Motif ID: 15 Motif name: Motif 15

Original motif Consensus sequence: ATMACAATAAAA



Reverse complement motif Consensus sequence: TTTTATTGTYAT



Best Matches for Motif ID 15 (Highest to Lowest)

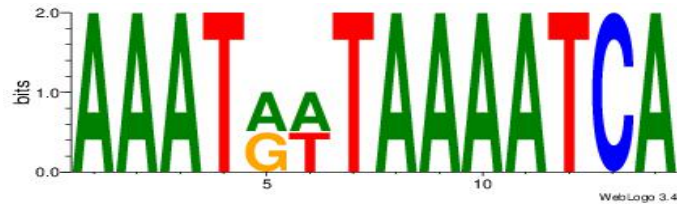
Dataset #:	2
Motif ID:	8
Motif name:	Motif 8
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3

Number of overlap: 12
Similarity score: 0.104167

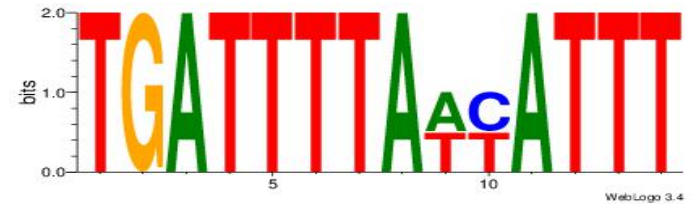
Alignment:

TGATTTTAWKATTT
TTTTATTGTYAT--

Original motif Consensus sequence: AAATRWTAATCA



Reverse complement motif Consensus sequence: TGATTTTAWKATTT



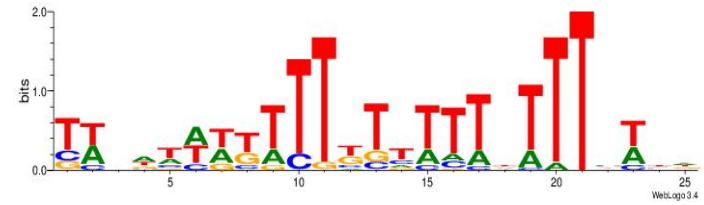
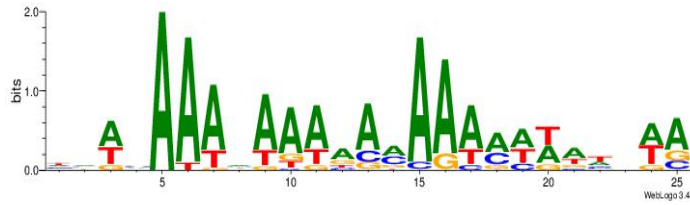
Dataset #: 5
Motif ID: 56
Motif name: TFM11
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 6
Number of overlap: 12
Similarity score: 0.109681

Alignment:

TWVHWWWYTTTTYTTTTTHTTTVWBH
-----TTTTATTGTYAT-----

Original motif Consensus sequence:
HDWVAAAHAAAAAMAAAMWWWHBWA

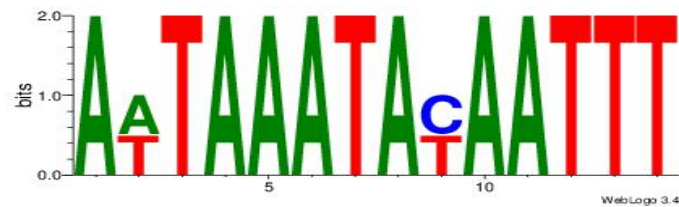
Reverse complement motif Consensus sequence:
TWVHWWWYTTTTYTTTTTHTTTVWBH



Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 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: 0.114583

Alignment:
 AWTAAATAYAATTT
 -ATMACAATAAAA-

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAW



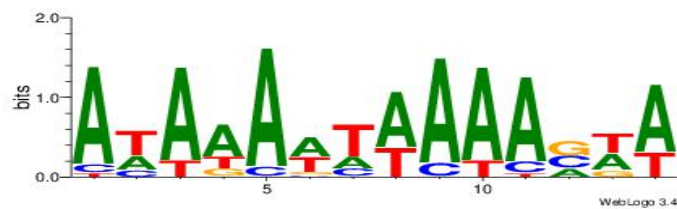
Dataset #: 2
 Motif ID: 3

Motif name: Motif 3
 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: 0.114583

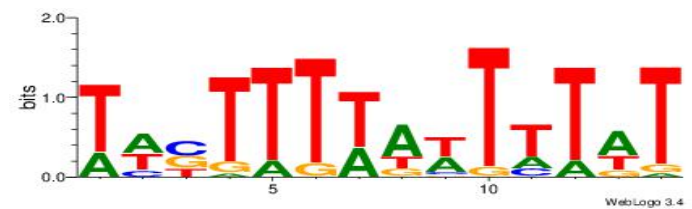
Alignment:

AWAAAWTWAAASWA
 ATMACAATAAAA--

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTTW

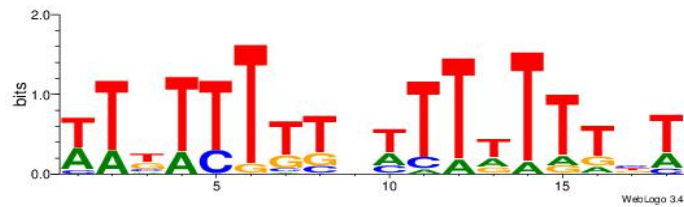


Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.115652

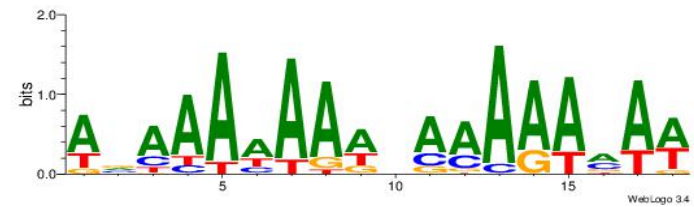
Alignment:

ABAAAAAWhAAAAARAW
--ATMACAATAAAA-----

Original motif Consensus sequence: WTKTTTTTHWTTTTTBT



Reverse complement motif Consensus sequence:
ABAAAAAWhAAAAARAW



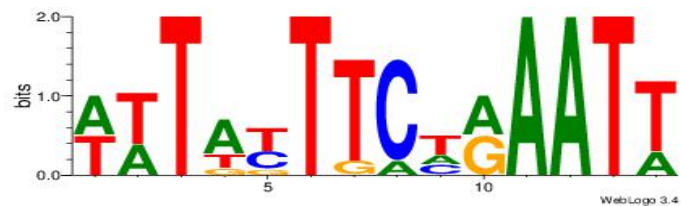
Dataset #: 2
Motif ID: 6
Motif name: Motif 6
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 12
Similarity score: 0.119792

Alignment:

WWTAKTTCDKAATT
TTTTATTGTYAT--

Original motif Consensus sequence: AATTYDGAARTAWW

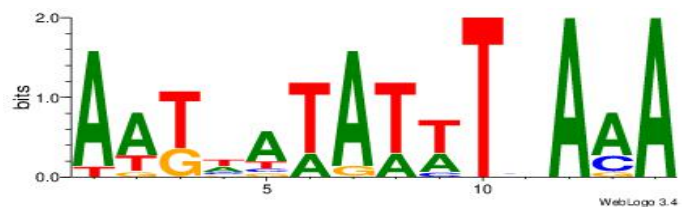
Reverse complement motif Consensus sequence: WWTAKTTCDKAATT



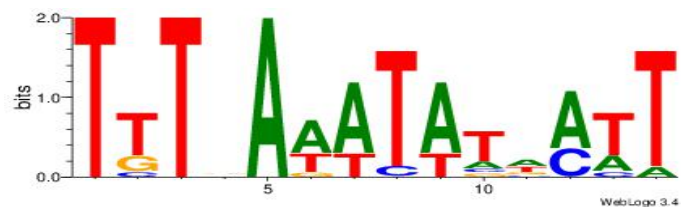
Dataset #: 2
 Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.121528

Alignment:
 TTTDAWATATHATT
 -TTTATTGTYAT-

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHATT



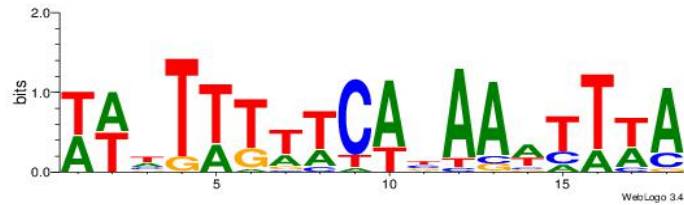
Dataset #: 5
 Motif ID: 53

Motif name: TFM3
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 12
 Similarity score: 0.125

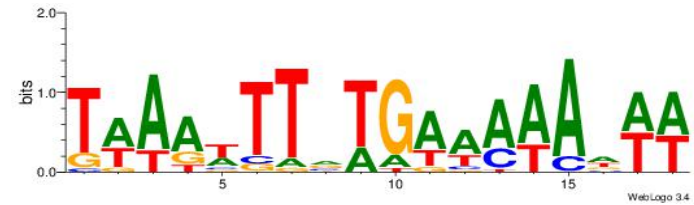
Alignment:

WWHTTTTTCABAAWTTWA
 -----ATMACAATAAAA

Original motif Consensus sequence: WWHTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TWAAWTTVTGAAAAHWW

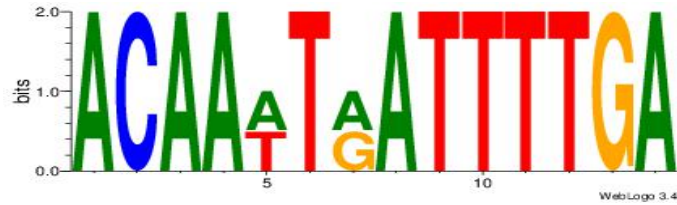


Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.590909

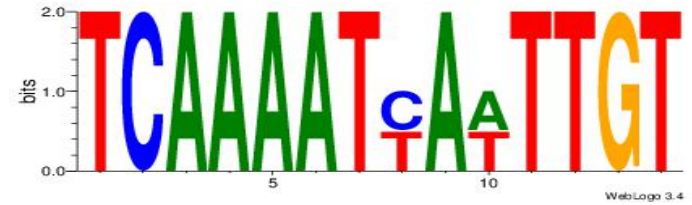
Alignment:

-TCAAAATKAWTTGT
ATMACAATAAAA---

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTG



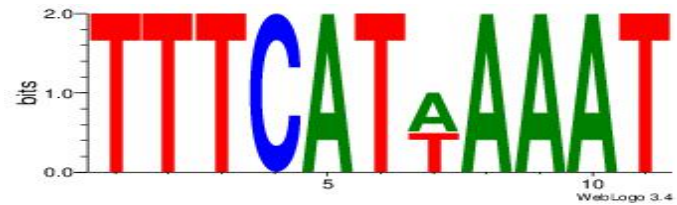
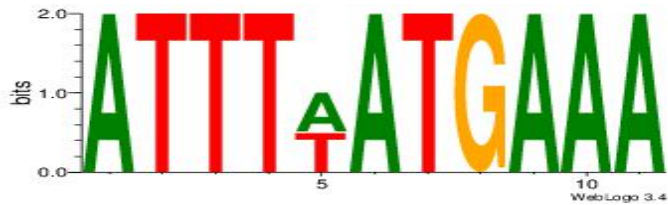
Dataset #:	2
Motif ID:	11
Motif name:	Motif 11
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	11
Similarity score:	0.602273

Alignment:

TTTCATWAAAT-
ATMACAATAAAA

Original motif Consensus sequence: ATTTWATGAAA

Reverse complement motif Consensus sequence: TTTCATWAAAT

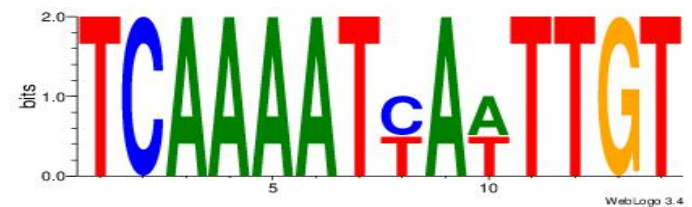


Dataset #: 2 Motif ID: 16 Motif name: Motif 16

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTG

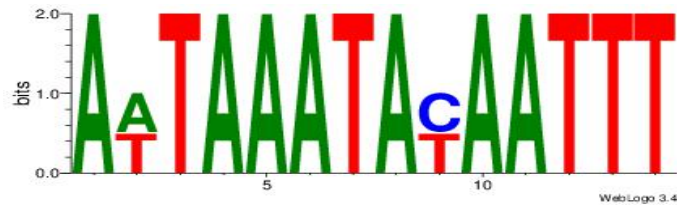


Best Matches for Motif ID 16 (Highest to Lowest)

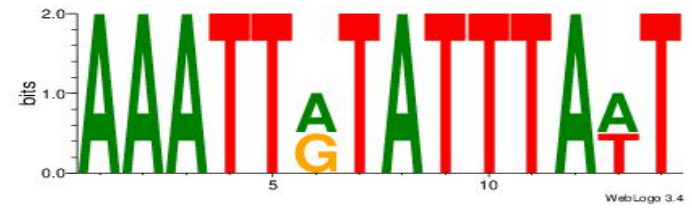
Dataset #:	2
Motif ID:	5
Motif name:	Motif 5
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	14
Similarity score:	0.1

Alignment:
 AWTAAATAYAATTT
 TCAAAATKAWTTGT

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAW

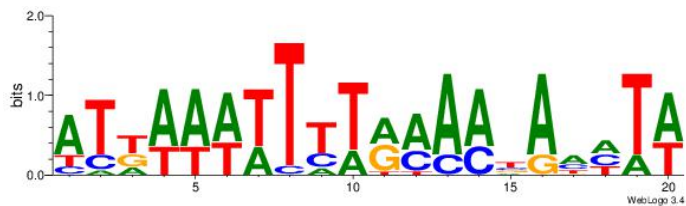


Dataset #: 5
Motif ID: 55
Motif name: TFM13
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 8
Number of overlap: 13
Similarity score: 0.599359

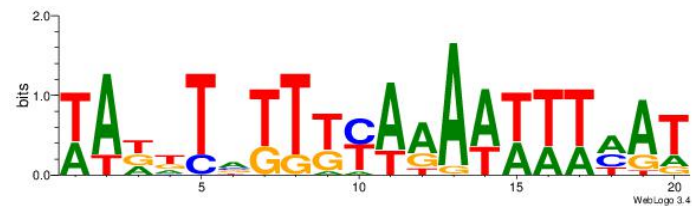
Alignment:

```
ATKAAWTTTTTRMAABAHTW-  
-----TCAAATKAWTTGT
```

Original motif Consensus sequence: ATKAAWTTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTTAT



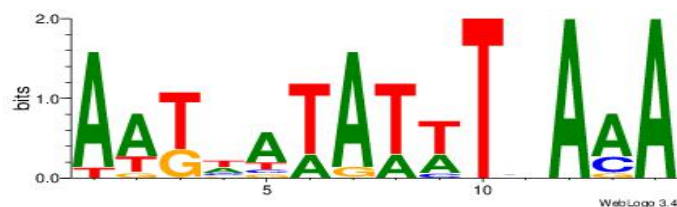
Dataset #: 2
 Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 1.08264

Alignment:

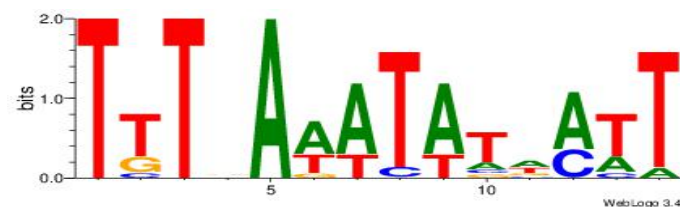
```

--AATHATATWTHAAA
ACAAWTRATTTTGA--
  
```

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT



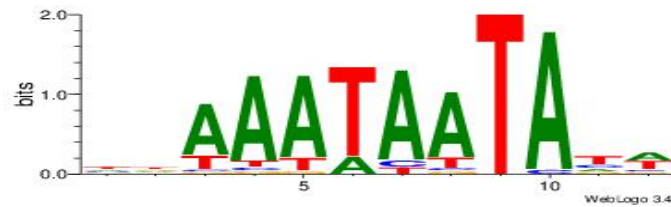
Dataset #: 4
 Motif ID: 37
 Motif name: tkAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12

Similarity score: 1.08403

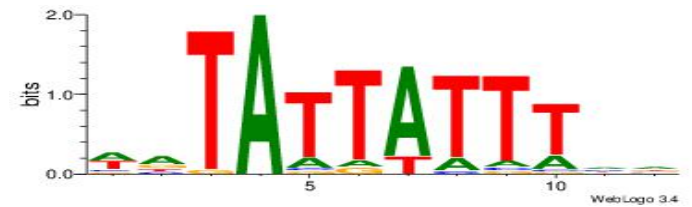
Alignment:

--WHTATTATTTDH
TCAAATKAWTTGT

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH



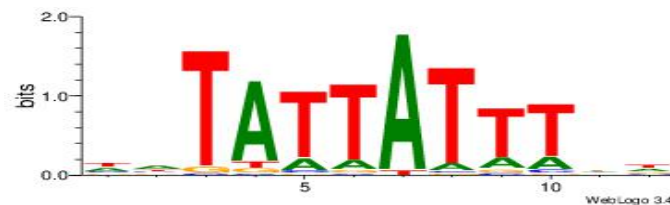
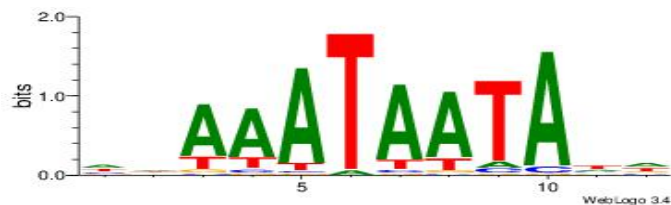
Dataset #: 4
Motif ID: 41
Motif name: wwAAATAATAtw
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 12
Similarity score: 1.08881

Alignment:

--DDTATTATTTDH
TCAAATKAWTTGT

Original motif Consensus sequence: HDAAATAATADD

Reverse complement motif Consensus sequence: DDTATTATTTDH

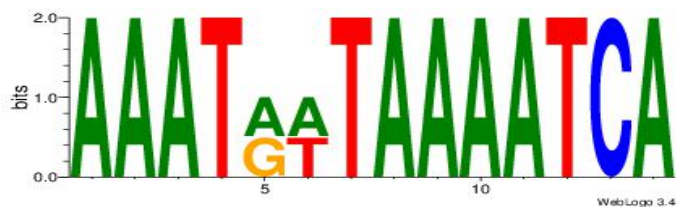


Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 12
 Similarity score: 1.1

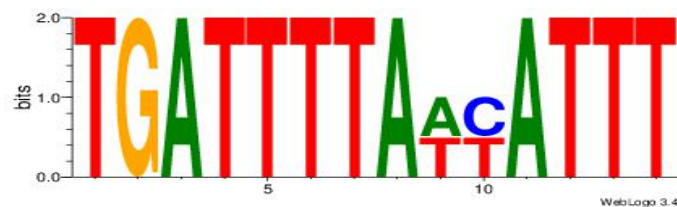
Alignment:

--AAATRWTA~~AAA~~ATCA
 ACAAWTRATTTTGA--

Original motif Consensus sequence: AAATRWTA~~AAA~~ATCA



Reverse complement motif Consensus sequence: TGATTTTAWKATTT



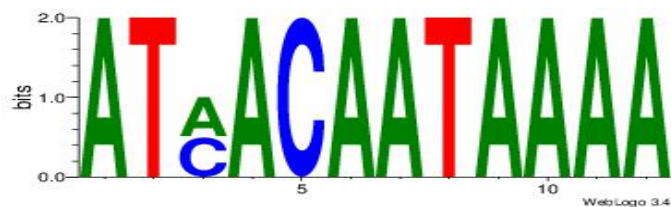
Dataset #: 2
 Motif ID: 15

Motif name: Motif 15
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 1.56591

Alignment:

TTTTATTGTYAT---
 -ACAAWTRATTTTGA

Original motif Consensus sequence: ATMACAATAAAA



Reverse complement motif Consensus sequence: TTTTATTGTYAT



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 1.56875

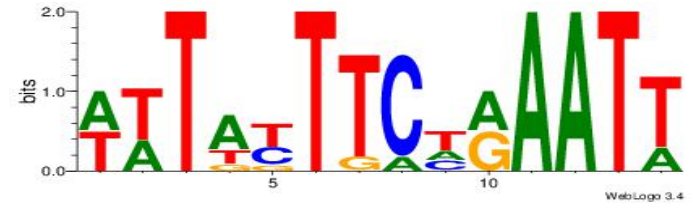
Alignment:

---AATTYDGAARTAWW
TCAAATKAWTTGT---

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAAT



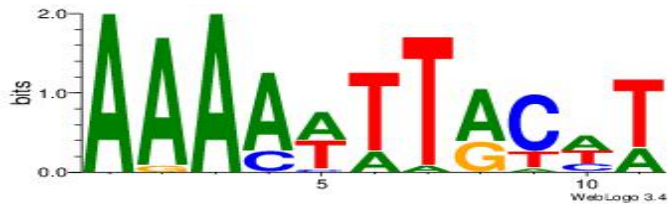
Dataset #: 2
Motif ID: 4
Motif name: Motif 4
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 11
Similarity score: 1.57667

Alignment:

AAAATTRCWT---
ACAAWTRATTTTGA

Original motif Consensus sequence: AAAATTRCWT

Reverse complement motif Consensus sequence: AWGKAAWTTTT



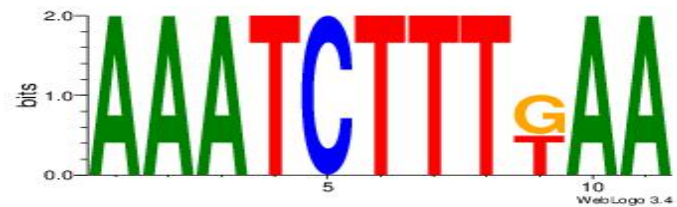
Dataset #: 2
 Motif ID: 20
 Motif name: Motif 20
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 1.57727

Alignment:
 TTMAAAGATTT---
 ACAAWTRATTTTGA

Original motif Consensus sequence: TTMAAAGATTT



Reverse complement motif Consensus sequence: AAATCTTTTAA

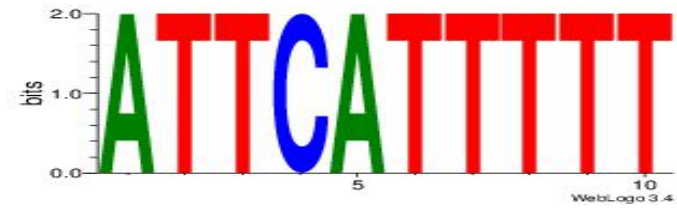


Dataset #: 2 Motif ID: 17 Motif name: Motif 17

Original motif Consensus sequence: AAAAATGAAT



Reverse complement motif Consensus sequence: ATTCATTTTT



Best Matches for Motif ID 17 (Highest to Lowest)

Dataset #:	2
Motif ID:	16
Motif name:	Motif 16
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	10
Similarity score:	0.05

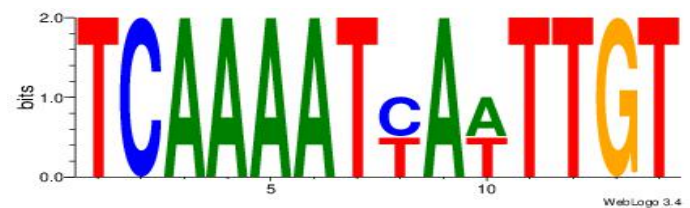
Alignment:

```
ACAAWTRATTTTGA
-ATTCATTTTT---
```

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAATKAWTTG

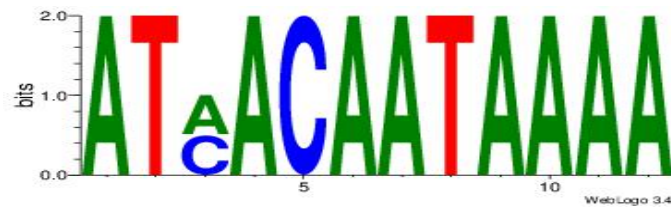


Dataset #: 2
 Motif ID: 15
 Motif name: Motif 15
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0875

Alignment:

TTTTATTGTYAT
 ATTCATTTTT--

Original motif Consensus sequence: ATMACAATAAAA



Reverse complement motif Consensus sequence: TTTTATTGTYAT



Dataset #: 2
 Motif ID: 10
 Motif name: Motif 10
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 10

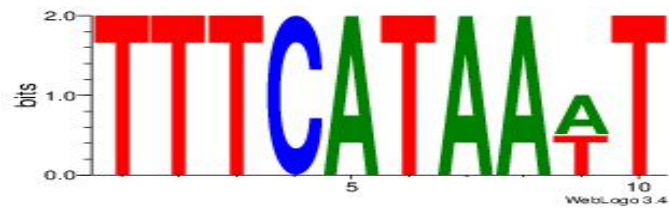
Similarity score: 0.0875

Alignment:

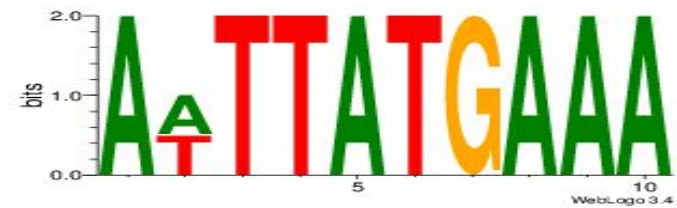
AWTTATGAAA

AAAAATGAAT

Original motif Consensus sequence: TTTCATAAWT



Reverse complement motif Consensus sequence: AWTTATGAAA



Dataset #: 2
Motif ID: 5
Motif name: Motif 5
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 10
Similarity score: 0.0875

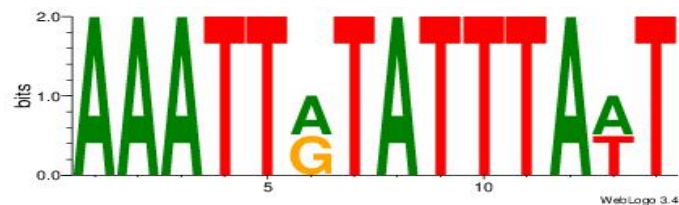
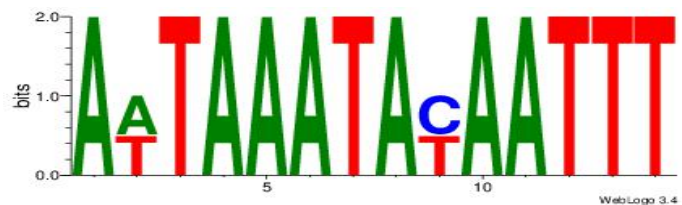
Alignment:

AWTAAATAYAATTT

---AAAAATGAAT-

Original motif Consensus sequence: AWTAAATAYAATTT

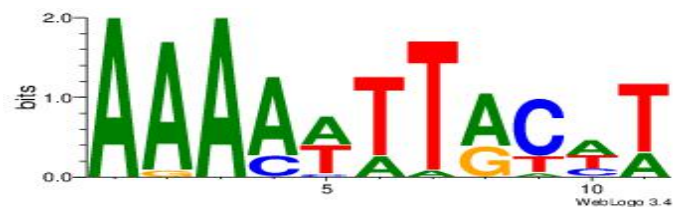
Reverse complement motif Consensus sequence: AAATTKTATTTAW



Dataset #: 2
 Motif ID: 4
 Motif name: Motif 4
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0947369

Alignment:
 AWGKAAWTTTT
 -ATTCATTTTT

Original motif Consensus sequence: AAAAWTTRCWT



Reverse complement motif Consensus sequence: AWGKAAWTTTT



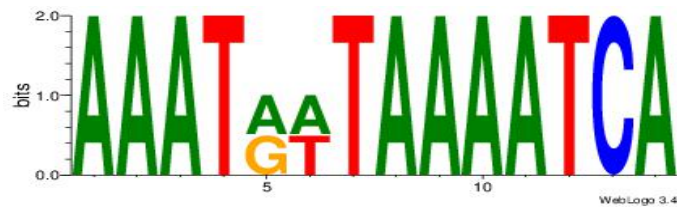
Dataset #: 2
 Motif ID: 8

Motif name: Motif 8
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.1

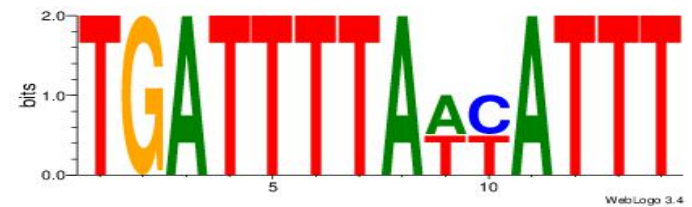
Alignment:

AAATRWTAATCA
 -AAAAATGAAT---

Original motif Consensus sequence: AAATRWTAATCA



Reverse complement motif Consensus sequence: TGATTTTAWKATT



Dataset #: 4
 Motif ID: 44
 Motif name: dhACATTCTkh
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.1

Alignment:

DHACATTCTGH
ATTCATTTTT-

Original motif Consensus sequence: DHACATTCTGH



Reverse complement motif Consensus sequence: HCAGAATGTHD



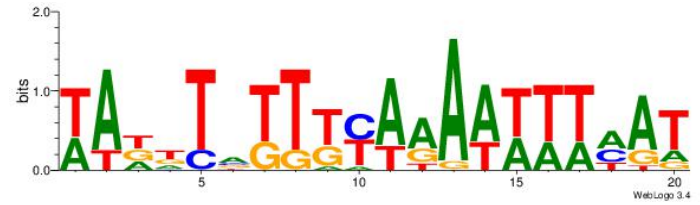
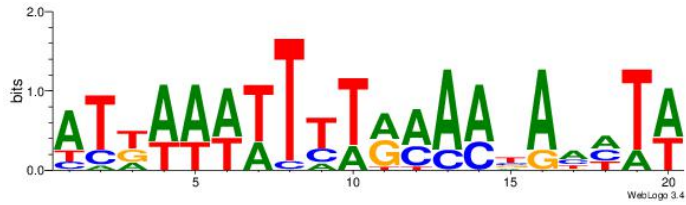
Dataset #:	5
Motif ID:	55
Motif name:	TFM13
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	11
Number of overlap:	10
Similarity score:	0.103333

Alignment:

ATKAAWTTTTTRMAABAHHTW
ATTCATTTTT-----

Original motif Consensus sequence: ATKAAWTTTTTRMAABAHHTW

Reverse complement motif Consensus sequence:
WAHHTVTTYKAAAATTRAT

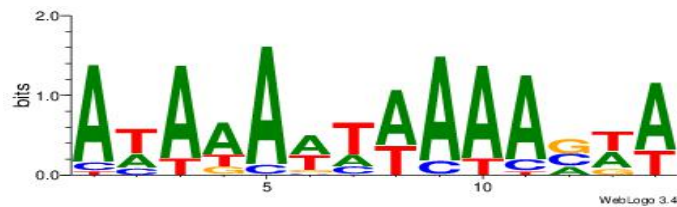


Dataset #: 2
 Motif ID: 3
 Motif name: Motif 3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.104808

Alignment:

TWSTTTWAWTTTWT
 ----ATTCATTTTT

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTTWT



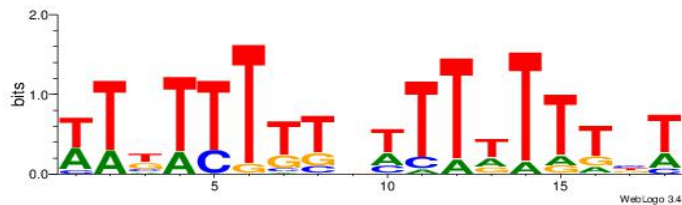
Dataset #: 5
 Motif ID: 52

Motif name: TFM1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.105128

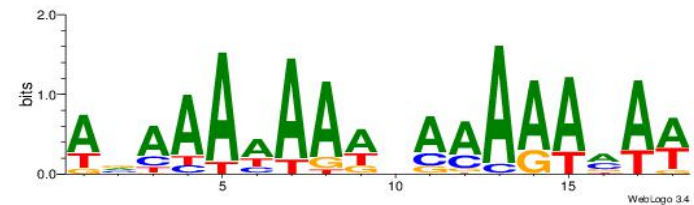
Alignment:

ABAAAAAAWHAAAAARAW
 ----AAAAATGAAT-----

Original motif Consensus sequence: WTKTTTTTHWTTTTTTBT



Reverse complement motif Consensus sequence: ABAAAAAAWHAAAAARAW

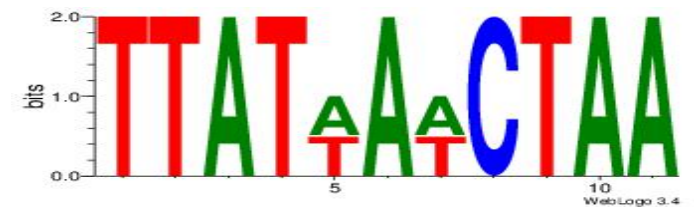


Dataset #: 2 Motif ID: 18 Motif name: Motif 18

Original motif Consensus sequence: TTAGWTWATAA



Reverse complement motif Consensus sequence: TTATWAWCTAA



Best Matches for Motif ID 18 (Highest to Lowest)

Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.09375

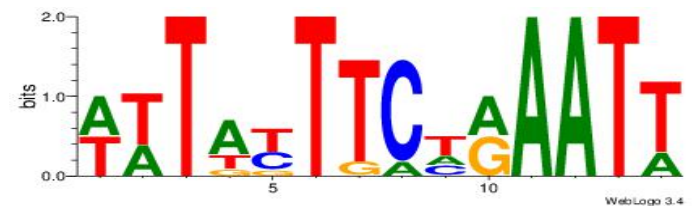
Alignment:

AATTYDGAARTAWW
 -TTATWAWCTAA--

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAAT



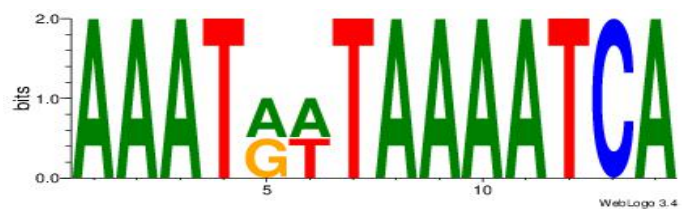
Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement

Direction: Forward
Position number: 4
Number of overlap: 11
Similarity score: 0.102273

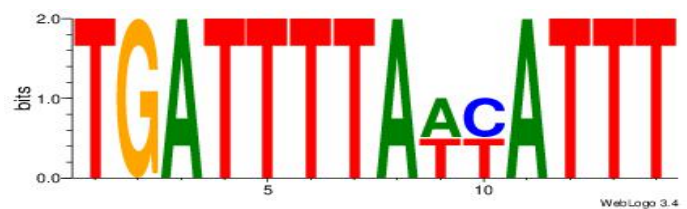
Alignment:

TGATTTTAWKATTT
---TTAGWTWATAA

Original motif Consensus sequence: AAATRWATAAATCA



Reverse complement motif Consensus sequence: TGATTTTAWKATTT

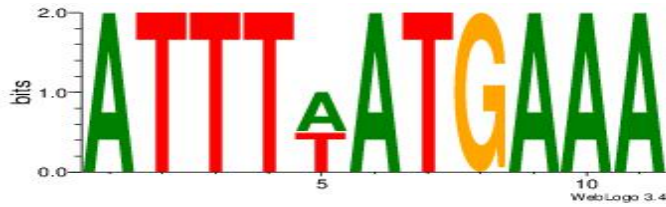


Dataset #: 2
Motif ID: 11
Motif name: Motif 11
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 11
Similarity score: 0.102273

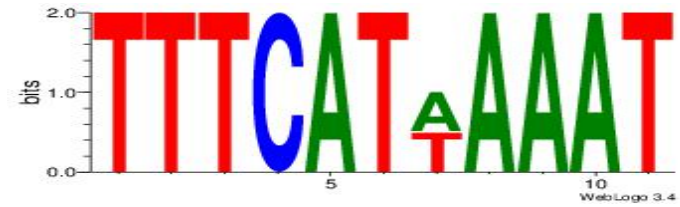
Alignment:

TTTCATWAAAT
TTAGWTWATAA

Original motif Consensus sequence: ATTTWATGAAA



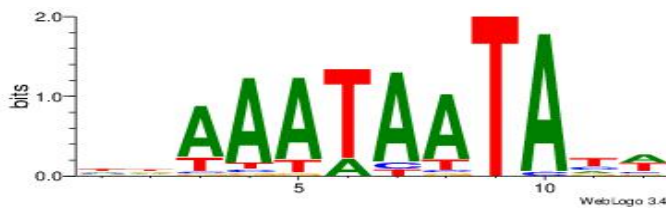
Reverse complement motif Consensus sequence: TTTTCATWAAAT



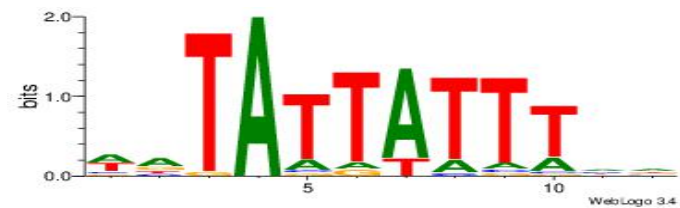
Dataset #: 4
Motif ID: 37
Motif name: tkAAATAATAtw
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 11
Similarity score: 0.102273

Alignment:
WHTATTATTTDH
-TTATWAWCTAA

Original motif Consensus sequence: HDAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH

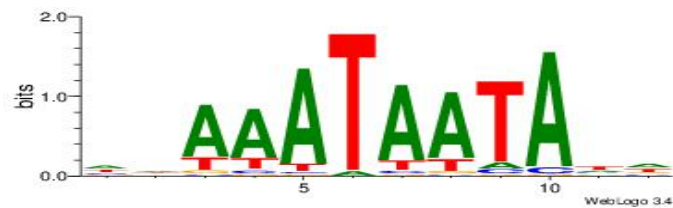


Dataset #: 4
 Motif ID: 41
 Motif name: wwAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.104798

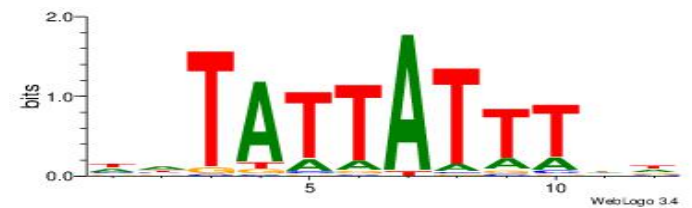
Alignment:

DDTATTATTTDH
 -TTATWAWCTAA

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH



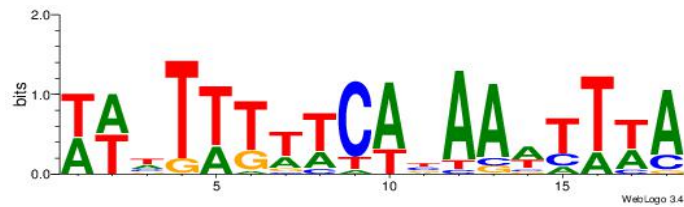
Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 8
 Number of overlap: 11

Similarity score: 0.108471

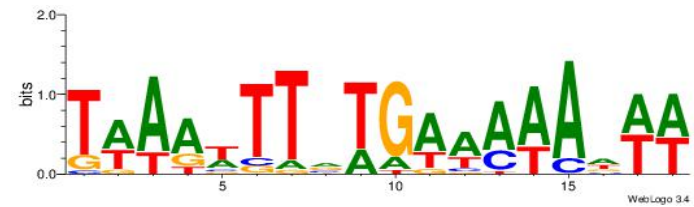
Alignment:

WWHTTTTTTCABAAWTTWA
-----TTATWAWCTAA

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TAAWTTVTGAAAAHWW



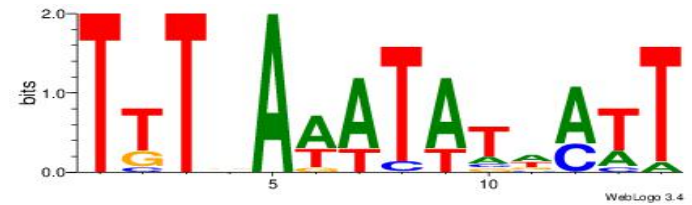
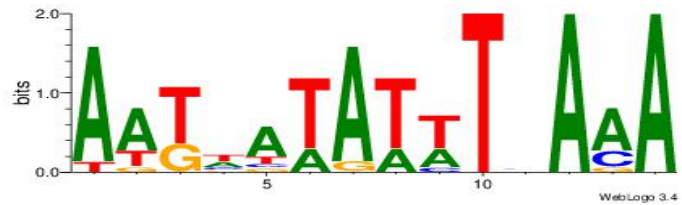
Dataset #: 2
Motif ID: 9
Motif name: Motif 9
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.109848

Alignment:

TTTDAWATATHATT
-TTAGWTWATAA--

Original motif Consensus sequence: AATHATATWTHAAA

Reverse complement motif Consensus sequence: TTTDAWATATHAT



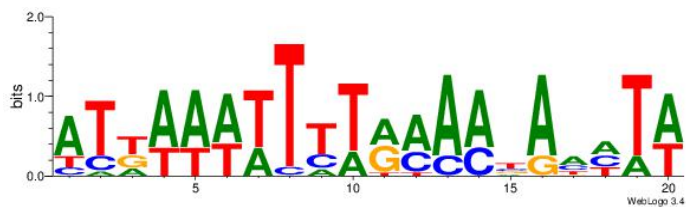
Dataset #: 5
 Motif ID: 55
 Motif name: TFM13
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.109848

Alignment:

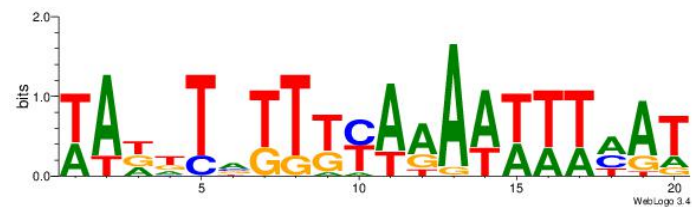
```

ATKAAWTTTTRMAABAHTW
-----TTATWAWCTAA----
  
```

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT

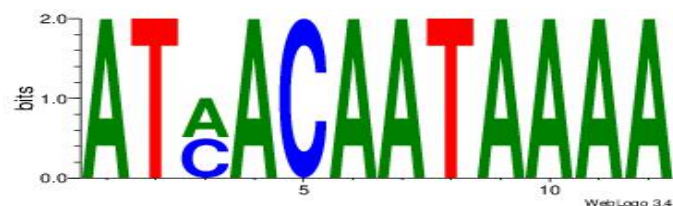


Dataset #: 2

Motif ID: 15
 Motif name: Motif 15
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.113636

Alignment:
 ATMACAATAAAA
 -TTAGWTWATAA

Original motif Consensus sequence: ATMACAATAAAA



Reverse complement motif Consensus sequence: TTTTATTGTYAT

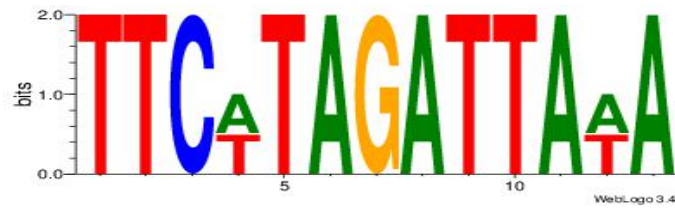


Dataset #: 2
 Motif ID: 19
 Motif name: Motif 19
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.113636

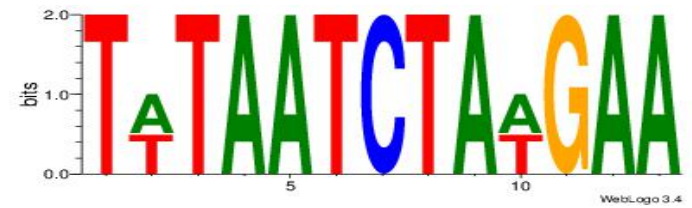
Alignment:

TTCWTAGATTAWA
TTATWAWCTAA--

Original motif Consensus sequence: TTCWTAGATTAWA



Reverse complement motif Consensus sequence: TWTAATCTAWGAA



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

Original motif Consensus sequence: TTCWTAGATTAWA



Reverse complement motif Consensus sequence: TWTAATCTAWGAA



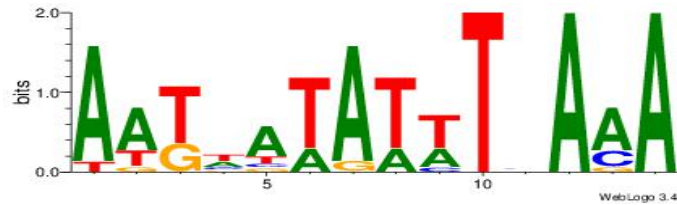
Best Matches for Motif ID 19 (Highest to Lowest)

Dataset #:	2
Motif ID:	9
Motif name:	Motif 9
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2

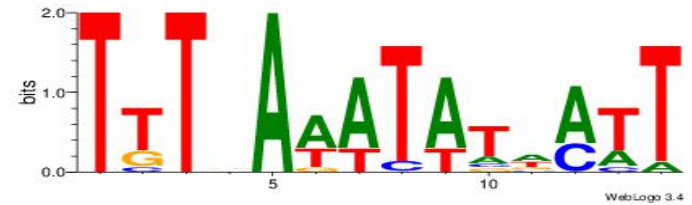
Number of overlap: 13
 Similarity score: 0.0641025

Alignment:
 AATHATATWTHAAA
 -TTCWTAGATTAWA

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT

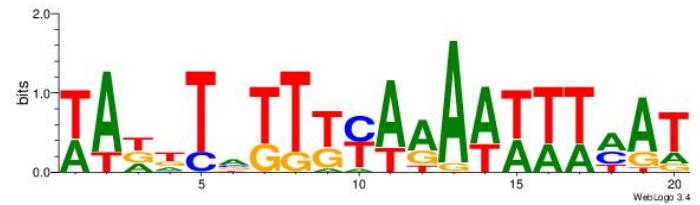
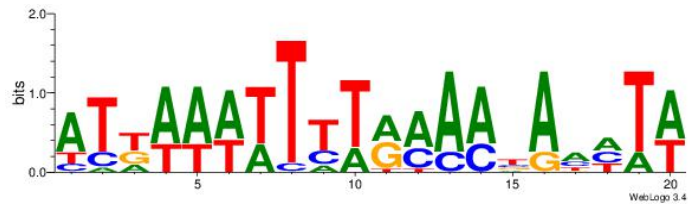


Dataset #: 5
 Motif ID: 55
 Motif name: TFM13
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 13
 Similarity score: 0.0762821

Alignment:
 WAHHTVTTYKAAAATTRAT
 -----TTCWTAGATTAWA-

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW

Reverse complement motif Consensus sequence:
 WAHHTVTTYKAAAATTRAT



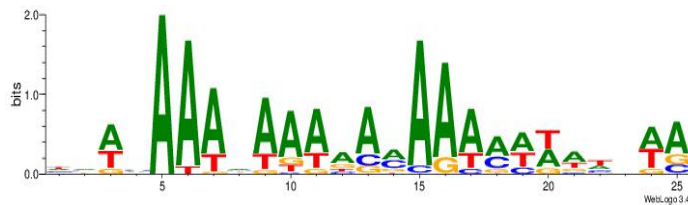
Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 12
 Number of overlap: 13
 Similarity score: 0.0810709

Alignment:

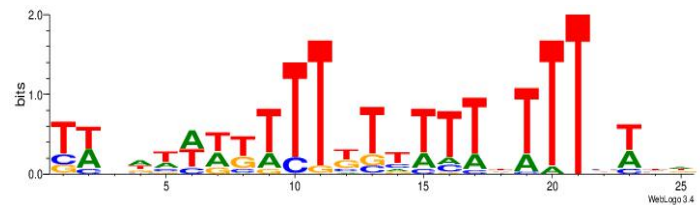
```

HDWVAAAHAAAAAAMAAAMWWWHBWA
-TWTAATCTAWGAA-----
  
```

Original motif Consensus sequence:
HDWVAAAHAAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
TWVHWWWYTTTTTTTTTHTTTVWBH



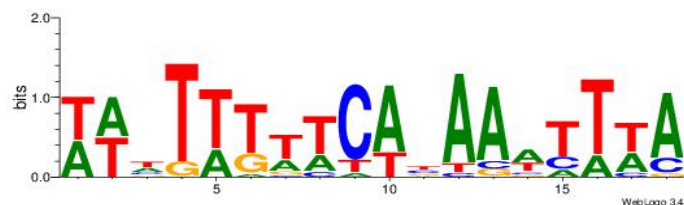
Dataset #: 5

Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 13
 Similarity score: 0.0815851

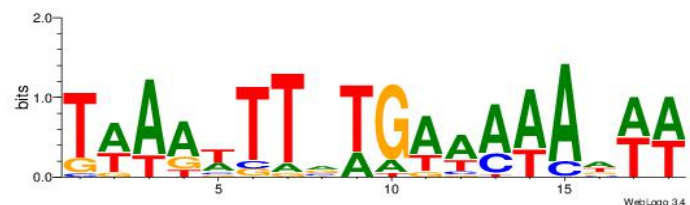
Alignment:

TWAAWTTVTGAAAAHWW
 -----TTCWTAGATTAWA

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TWAAWTTVTGAAAAHWW



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12

Similarity score: 0.5625

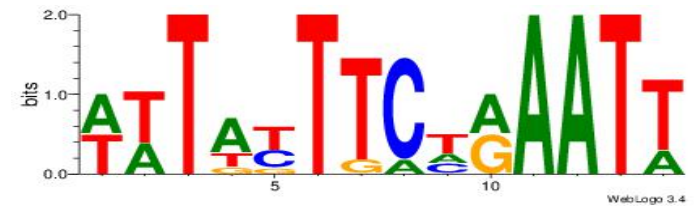
Alignment:

AATTYDGAARTAWW-
--TTCWTAGATTAWA

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAAT



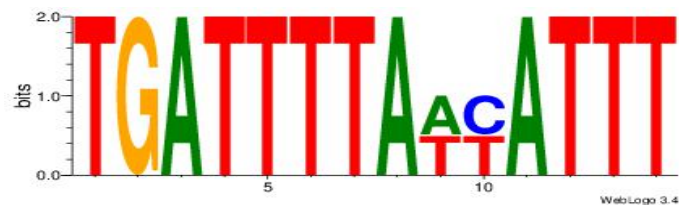
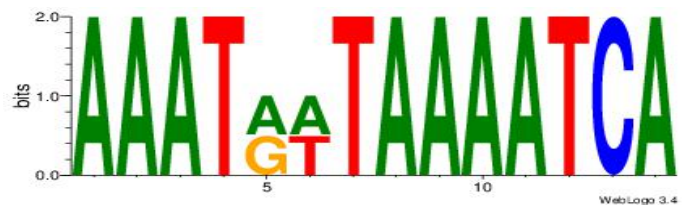
Dataset #: 2
Motif ID: 8
Motif name: Motif 8
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 12
Similarity score: 0.5625

Alignment:

-TGATTTTAWKATTT
TWTAACTAWGAA--

Original motif Consensus sequence: AAATRWATAAATCA

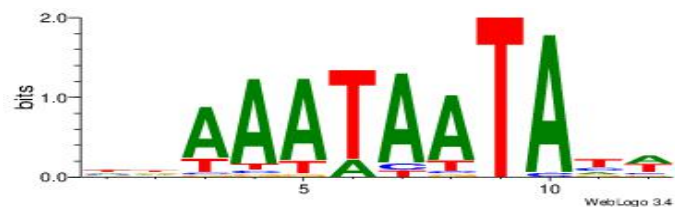
Reverse complement motif Consensus sequence: TGATTTTAWKATTT



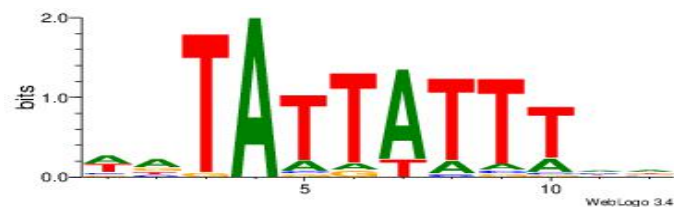
Dataset #: 4
 Motif ID: 37
 Motif name: tkAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.577083

Alignment:
 WHTATTATTTDH-
 TWTAACTAWGAA

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH



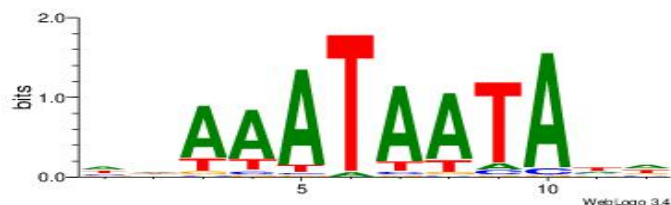
Dataset #: 4
 Motif ID: 41

Motif name: wwAAATAATAtw
 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: 0.58179

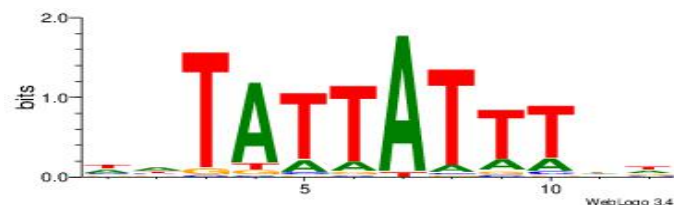
Alignment:

DDTATTATTTDH-
 TWTAAATCTAWGAA

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH

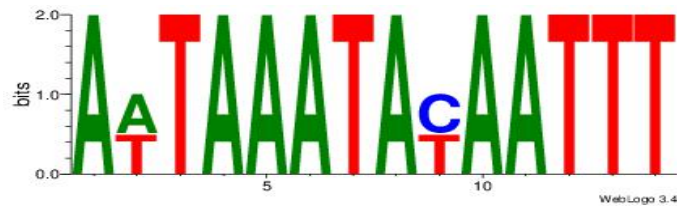


Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.583333

Alignment:

AWTAAATAYAATTT-
--TTCWTAGATTAWA

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAW



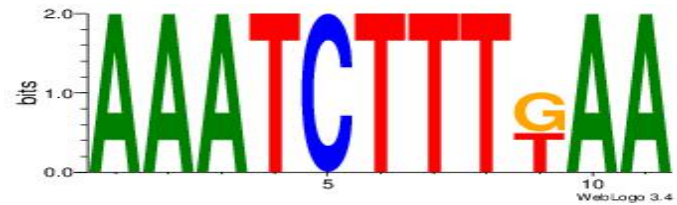
Dataset #: 2
Motif ID: 20
Motif name: Motif 20
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 11
Similarity score: 1.02652

Alignment:

TTMAAAGATTT--
TTCWTAGATTAWA

Original motif Consensus sequence: TTMAAAGATTT

Reverse complement motif Consensus sequence: AAATCTTYAA

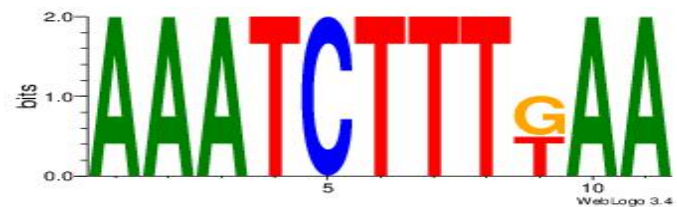


Dataset #: 2 Motif ID: 20 Motif name: Motif 20

Original motif Consensus sequence: TTAAAGATTT



Reverse complement motif Consensus sequence: AAATCTTTAA

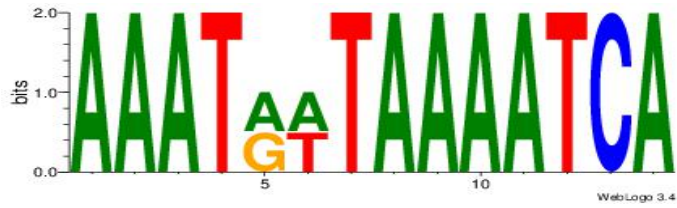


Best Matches for Motif ID 20 (Highest to Lowest)

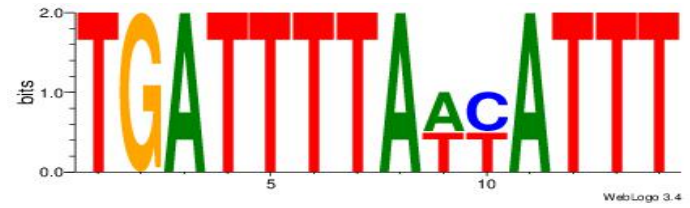
Dataset #:	2
Motif ID:	8
Motif name:	Motif 8
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	11
Similarity score:	0.0681818

Alignment:
AAATRWTAATAATCA
---AAATCTTTYAA

Original motif Consensus sequence: AAATRWTAATCA



Reverse complement motif Consensus sequence: TGATTTAWKATT



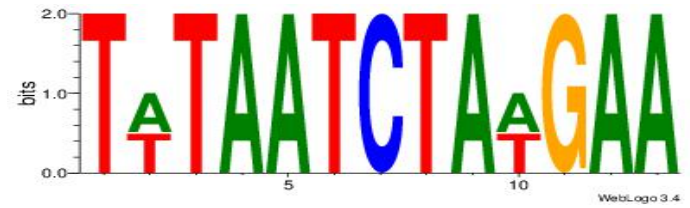
Dataset #: 2
 Motif ID: 19
 Motif name: Motif 19
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0681818

Alignment:
 TTCWTAGATTAWA
 TTMAAAGATTT--

Original motif Consensus sequence: TTCWTAGATTAWA



Reverse complement motif Consensus sequence: TWTAATCTAWGAA

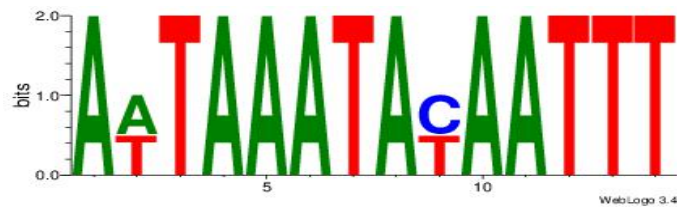


Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.102273

Alignment:

AAATTKTATTTAWT
 -AAATCTTTYAA--

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAWT



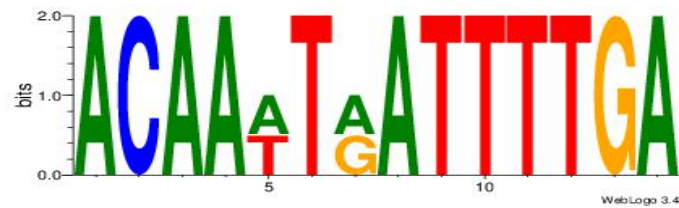
Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11

Similarity score: 0.102273

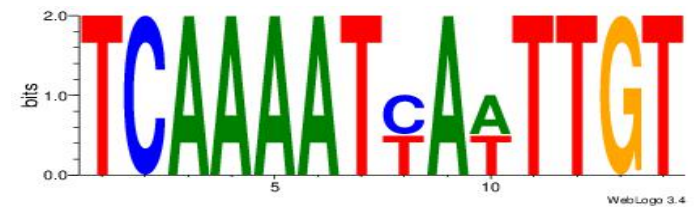
Alignment:

ACAAWTRATTTTGA
TTMAAAGATTT---

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTG



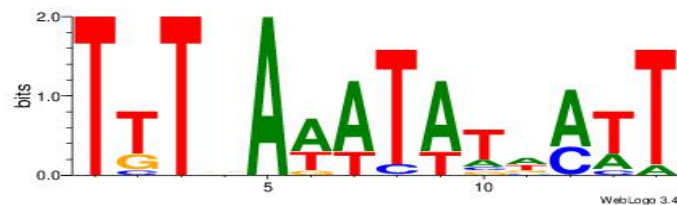
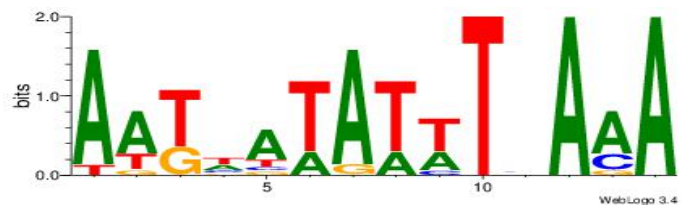
Dataset #: 2
Motif ID: 9
Motif name: Motif 9
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.106061

Alignment:

TTTDAWATATHATT
--TTMAAAGATTT-

Original motif Consensus sequence: AATHATATWTHAAA

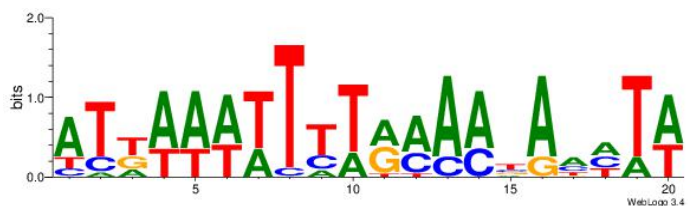
Reverse complement motif Consensus sequence: TTTDAWATATHATT



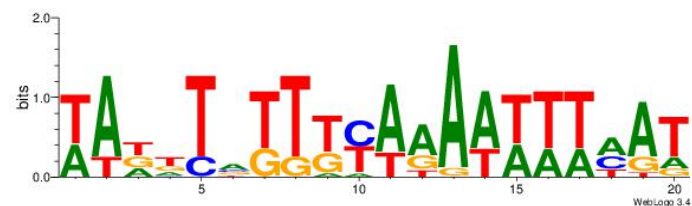
Dataset #: 5
 Motif ID: 55
 Motif name: TFM13
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.110606

Alignment:
 WAHHTVTTYKAAAATTRAT
 -AAATCTTTYAA-----

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT



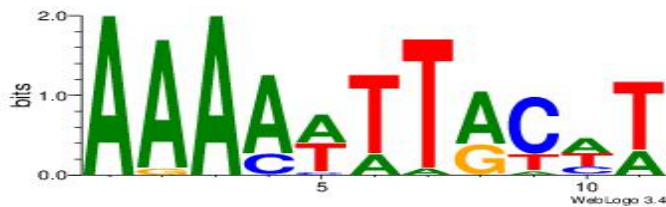
Dataset #: 2

Motif ID: 4
 Motif name: Motif 4
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.110646

Alignment:

AWGKAAWTTTT
 TTMAAAGATTT

Original motif Consensus sequence: AAAWTRCWT



Reverse complement motif Consensus sequence: AWGKAAWTTTT

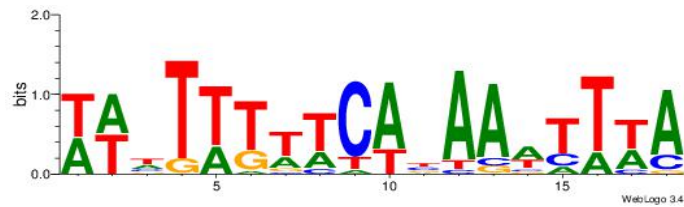


Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 11
 Similarity score: 0.113636

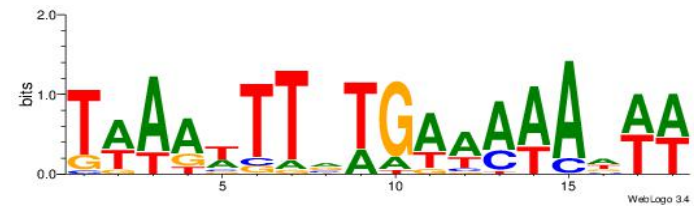
Alignment:

WWHTTTTTTCABAAWTTWA
-----TTMAAAGATTT-

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence:
TAAWTTTGTGAAAAHWW



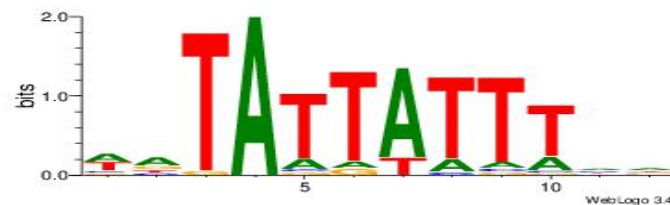
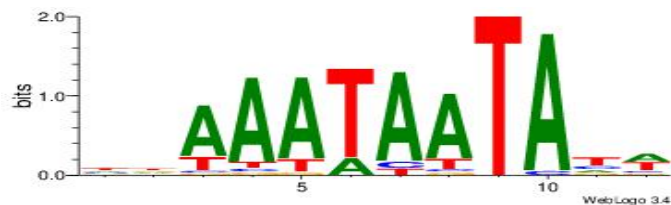
Dataset #: 4
Motif ID: 37
Motif name: tkAAATAATAtw
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.124242

Alignment:

WHTATTATTTDH
-AAATCTTTYAA

Original motif Consensus sequence: HDAAATAATAHW

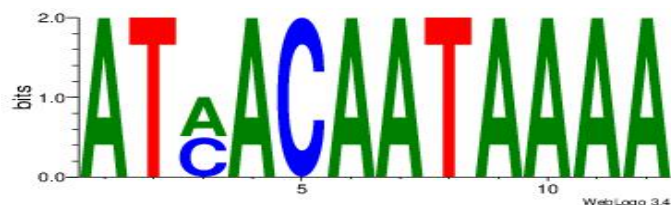
Reverse complement motif Consensus sequence: WHTATTATTTDH



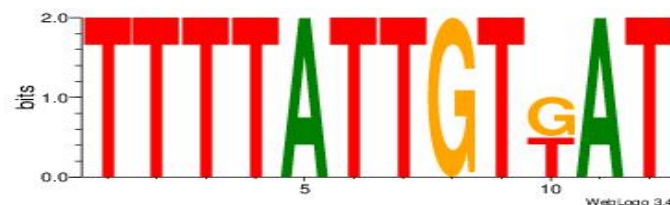
Dataset #: 2
 Motif ID: 15
 Motif name: Motif 15
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.125

Alignment:
 ATMACAATAAAA
 -AAATCTTTYAA

Original motif Consensus sequence: ATMACAATAAAA



Reverse complement motif Consensus sequence: TTTATTGAT



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

Original motif Consensus sequence: ATAAAA



Reverse complement motif Consensus sequence: TTTTAT



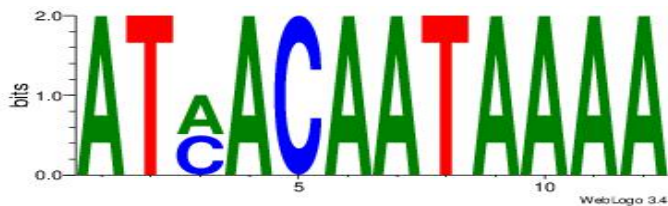
Best Matches for Motif ID 21 (Highest to Lowest)

Dataset #:	2
Motif ID:	15
Motif name:	Motif 15
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	6
Similarity score:	0

Alignment:

```
TTTTATTGTYAT
TTTTAT-----
```

Original motif Consensus sequence: ATMACAATAAAA



Reverse complement motif Consensus sequence: TTTTATTGTYAT

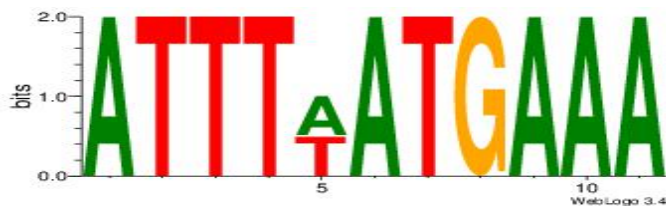


Dataset #: 2
 Motif ID: 11
 Motif name: Motif 11
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 6
 Similarity score: 0.0208333

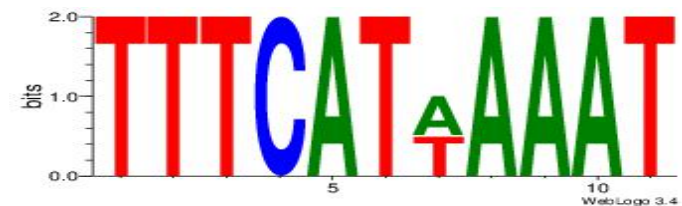
Alignment:

TTTCATWAAAT
 -ATAAAA-----

Original motif Consensus sequence: ATTTWATGAAA



Reverse complement motif Consensus sequence: TTTCATWAAAT



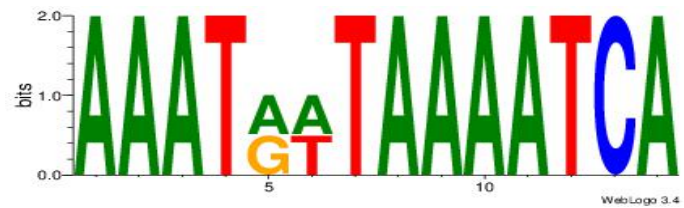
Dataset #: 2
 Motif ID: 8
 Motif name: Motif 8
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 6

Similarity score: 0.0208333

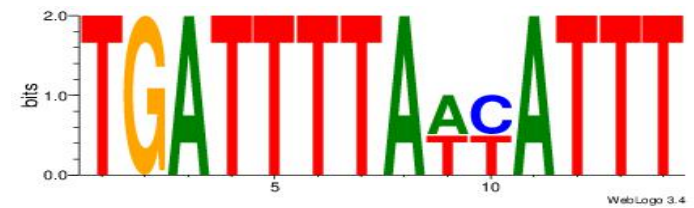
Alignment:

AAATRWTAATAATCA
-----ATAAAA---

Original motif Consensus sequence: AAATRWTAATAATCA



Reverse complement motif Consensus sequence: TGATTTTAWKATT



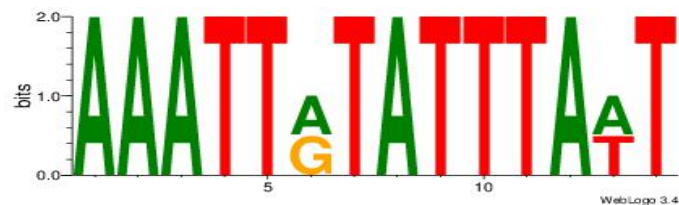
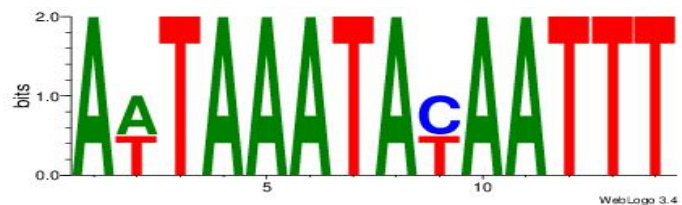
Dataset #: 2
Motif ID: 5
Motif name: Motif 5
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 6
Number of overlap: 6
Similarity score: 0.0208333

Alignment:

AAATTKTATTTAWT
---TTTTAT-----

Original motif Consensus sequence: AWTAAATAYAATTT

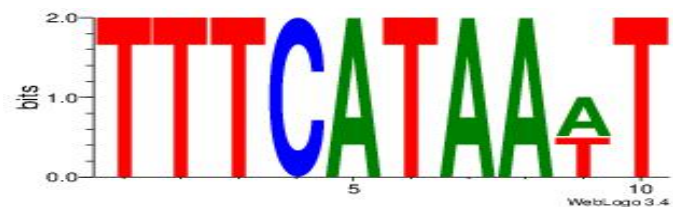
Reverse complement motif Consensus sequence: AAATTKTATTTAW



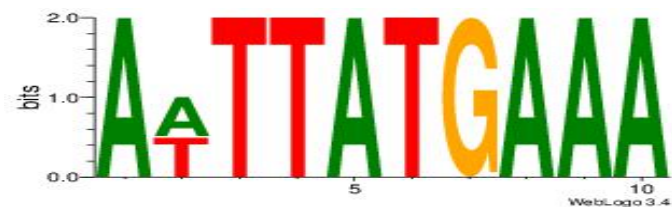
Dataset #: 2
 Motif ID: 10
 Motif name: Motif 10
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 6
 Similarity score: 0.0416667

Alignment:
 TTTCATAAWT
 ----TTTTAT

Original motif Consensus sequence: TTTCATAAWT



Reverse complement motif Consensus sequence: AWTATGAAA



Dataset #: 2
 Motif ID: 14

Motif name: Motif 14
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 6
 Similarity score: 0.0625

Alignment:
 AWAAATAA
 ATAAAA--

Original motif Consensus sequence: AWAAATAA



Reverse complement motif Consensus sequence: TTATTTWT

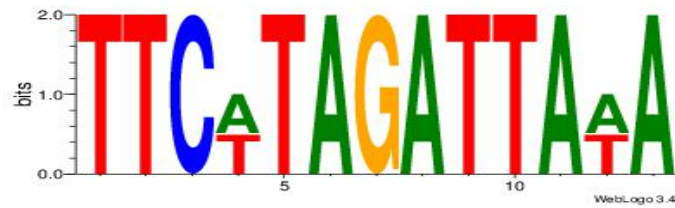


Dataset #: 2
 Motif ID: 19
 Motif name: Motif 19
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 6
 Similarity score: 0.0625

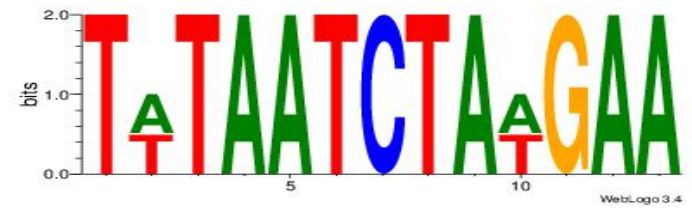
Alignment:

TWTAATCTAWGAA
 TTTTAT-----

Original motif Consensus sequence: TTCWTAGATTAWA



Reverse complement motif Consensus sequence: TWTAATCTAWGAA



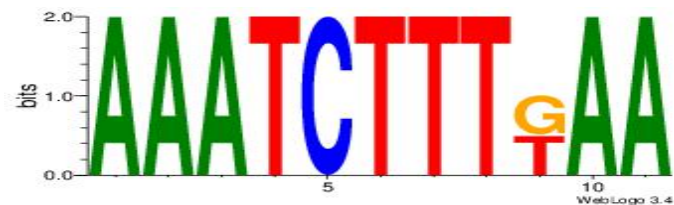
Dataset #:	2
Motif ID:	20
Motif name:	Motif 20
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	6
Number of overlap:	6
Similarity score:	0.0625

Alignment:

TTMAAAGATTT
 ATAAAA-----

Original motif Consensus sequence: TTMAAAGATTT

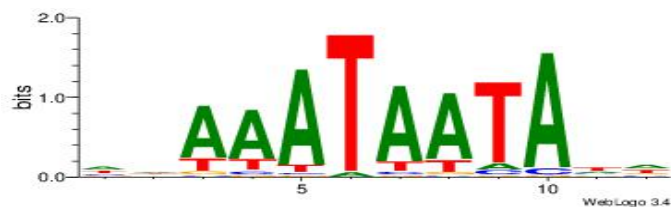
Reverse complement motif Consensus sequence: AAATCTTYAA



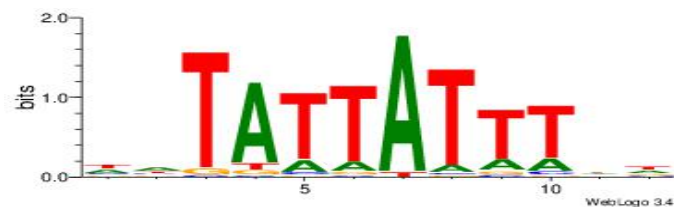
Dataset #: 4
 Motif ID: 41
 Motif name: wwAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 6
 Similarity score: 0.0632716

Alignment:
 DDTATTATTTDH
 --TTTTAT----

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH



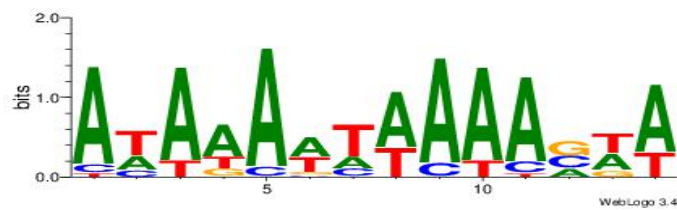
Dataset #: 2
 Motif ID: 3

Motif name: Motif 3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 6
 Similarity score: 0.0689103

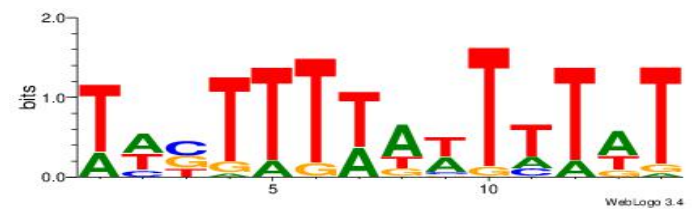
Alignment:

TWSTTTWAWTTTWT
 ---TTTAT-----

Original motif Consensus sequence: AWAAAWTAAASWA

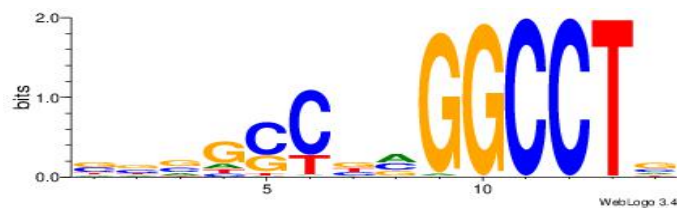


Reverse complement motif Consensus sequence: TWSTTTWAWTTTWT

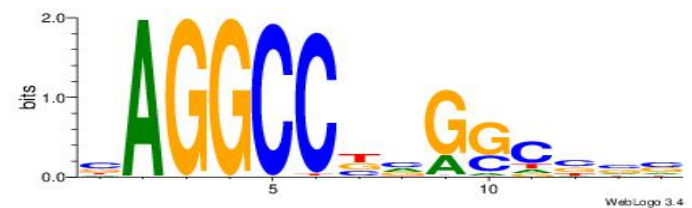


Dataset #: 3 Motif ID: 22 Motif name: Zfx

Original motif Consensus sequence: BBVGCCBVGCCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCCV



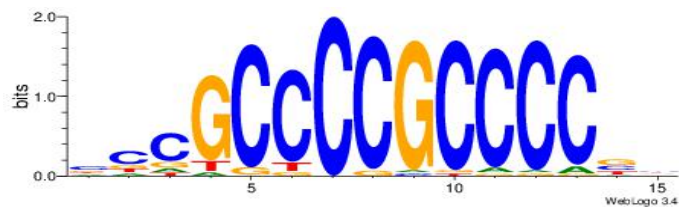
Best Matches for Motif ID 22 (Highest to Lowest)

Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 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: 0.0514008

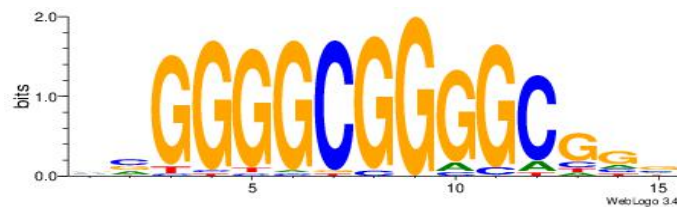
Alignment:

BCCGCCCCGCCCCBB
 BBVGCCBVGGCTV-

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

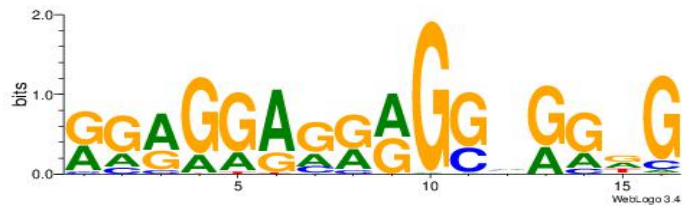


Dataset #: 5
 Motif ID: 51
 Motif name: TFM2
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2

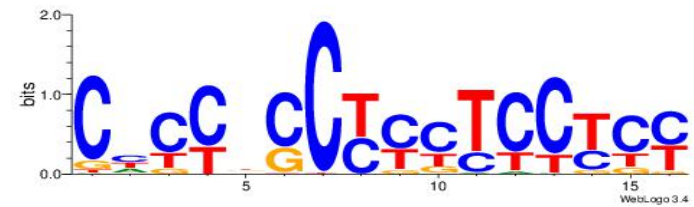
Number of overlap: 14
Similarity score: 0.0590031

Alignment:
CHCCBCKMCTCCKCM
-BBVGCCBVGGCCTV-

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



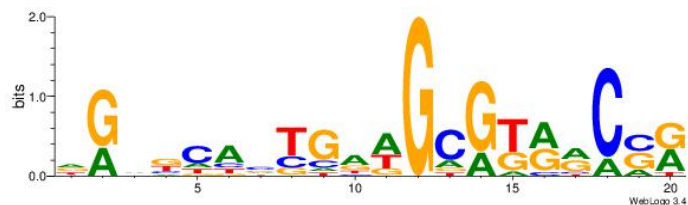
Reverse complement motif Consensus sequence:
CHCCBCKMCTCCKCM



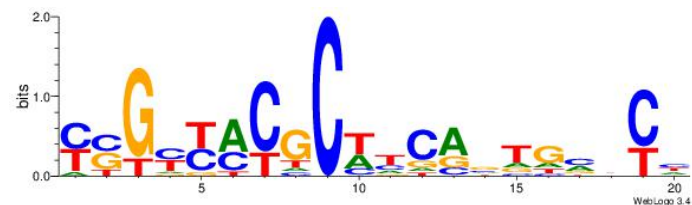
Dataset #: 3
Motif ID: 31
Motif name: Pax5
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 14
Similarity score: 0.0611182

Alignment:
DGVBCABTGDWCGKRRCSR
--BBVGCCBVGGCCTV----

Original motif Consensus sequence: DGVBCABTGDWGCGRRCRCSR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD

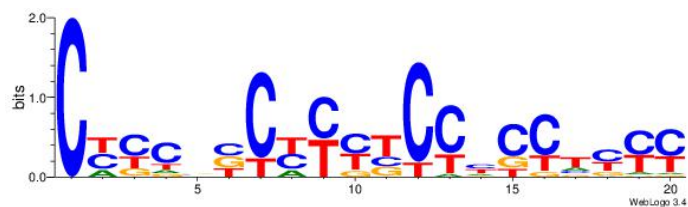


Dataset #: 5
Motif ID: 54
Motif name: TFM12
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 14
Similarity score: 0.0629383

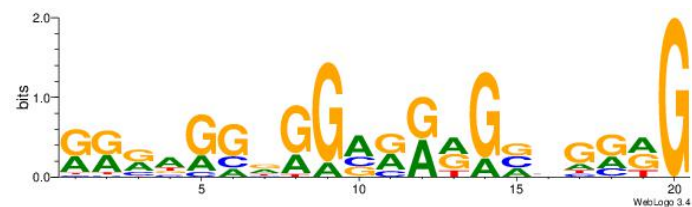
Alignment:

```
KKKAGGDGGAKKMGBBGKMG  
-----VAGGCCBBGGCVBB-
```

Original motif Consensus sequence: CYYCBCYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG

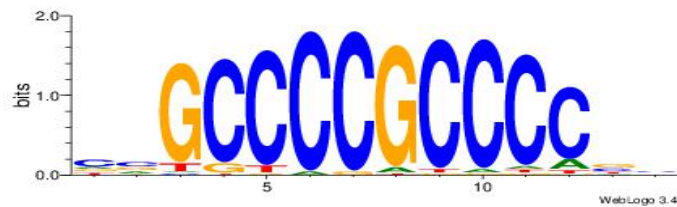


Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0654514

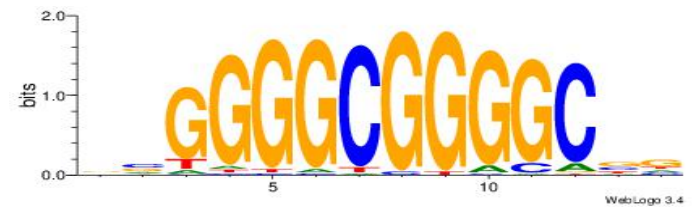
Alignment:

HVGCCCCGCCCCBB
 VAGGCCBBGGCVBB

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC



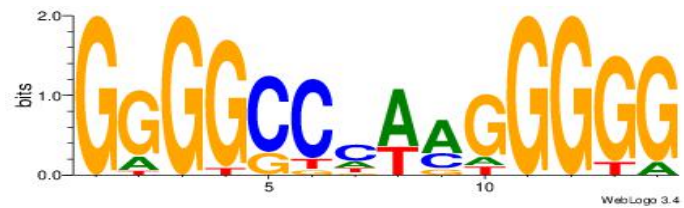
Dataset #: 3
 Motif ID: 30
 Motif name: PLAG1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14

Similarity score: 0.0796879

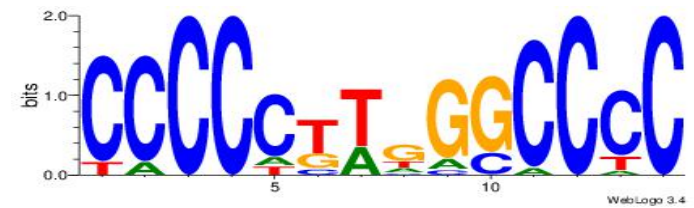
Alignment:

CCCCCTGGGCCCC
BBVGCCBVGGCCTV

Original motif Consensus sequence: GGGGCCAAGGGG



Reverse complement motif Consensus sequence: CCCCCTGGGCC



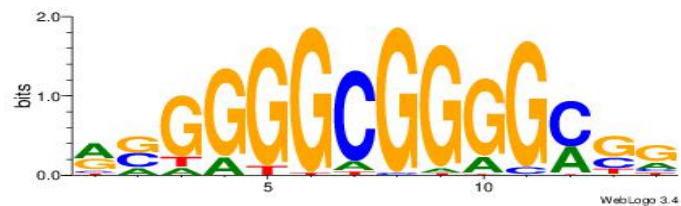
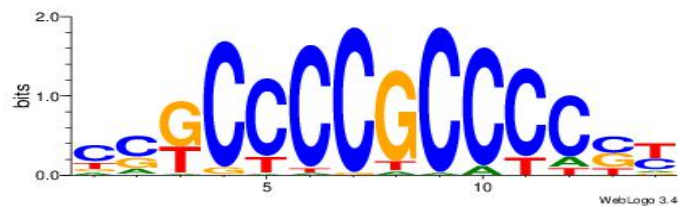
Dataset #: 2
Motif ID: 7
Motif name: Motif 7
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0799116

Alignment:

MSGGGCGGGYSG
BBVGCCBVGGCCTV

Original motif Consensus sequence: CSKCCCCGCCCSY

Reverse complement motif Consensus sequence: MSGGGCGGGY

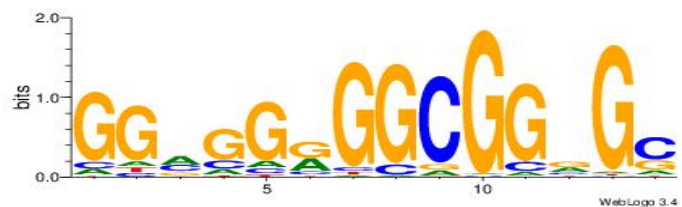


Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.583338

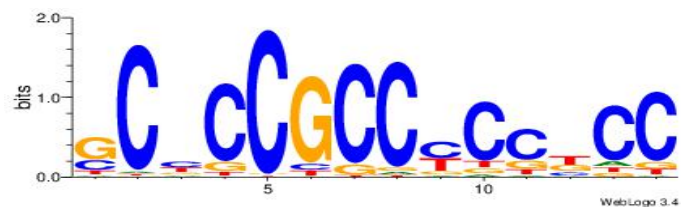
Alignment:

-GCVCCGCCMCCYCC
 BBVGCCBVGCCCTV-

Original motif Consensus sequence: GGMGRRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC



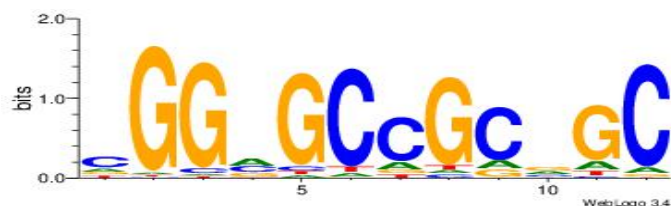
Dataset #: 5
 Motif ID: 49

Motif name: TFF1
 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: 1.55068

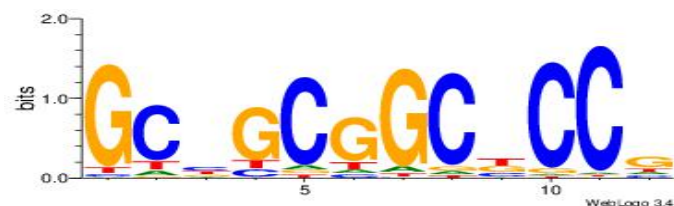
Alignment:

CGGVGCCGCVGC---
 -BBVGCCBVGGCCTV

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGGCBBCCG



Dataset #: 3
 Motif ID: 35
 Motif name: GABPA
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 1.57592

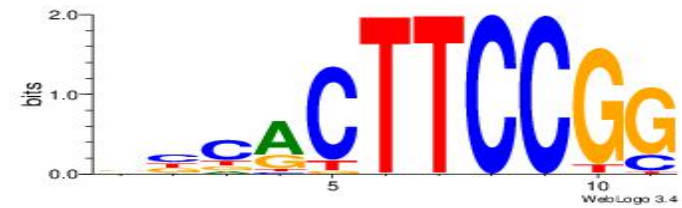
Alignment:

CCGGAAGTGVV---
VAGGCCBBGGCVBB

Original motif Consensus sequence: CCGGAAGTGVV



Reverse complement motif Consensus sequence: VVCACTTCGGG



Dataset #: 3 Motif ID: 23 Motif name: Egr1

Original motif Consensus sequence: HCGTGGGCGK



Reverse complement motif Consensus sequence: YGCCACGCH



Best Matches for Motif ID 23 (Highest to Lowest)

Dataset #:	5
Motif ID:	50
Motif name:	TFF11
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4

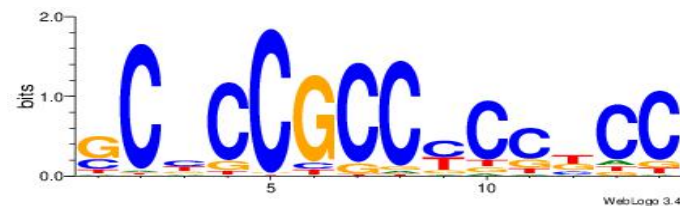
Number of overlap: 11
 Similarity score: 0.0514701

Alignment:
 GCVCCGCCMCCYCC
 ---YCGCCCACGCH

Original motif Consensus sequence: GGMGRRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC

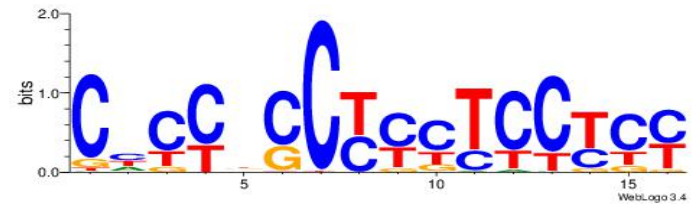
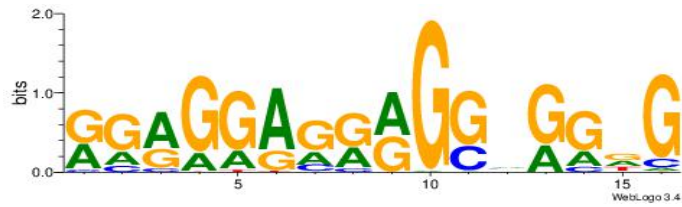


Dataset #: 5
 Motif ID: 51
 Motif name: TFM2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.0698683

Alignment:
 CHCCBCKMCTCCKCM
 -----YCGCCCACGCH

Original motif Consensus sequence: RGRGGARRGGHGGDG

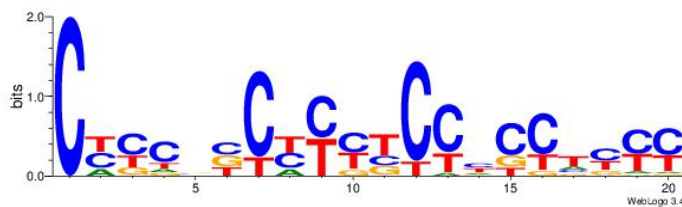
Reverse complement motif Consensus sequence:
 CHCCBCKMCTCCKCM



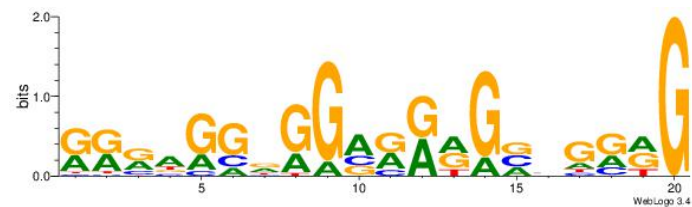
Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 9
 Number of overlap: 11
 Similarity score: 0.0718056

Alignment:
 KKKAGGDGGAKKMGBBGKMG
 -HCCGTGGGCGK-----

Original motif Consensus sequence: CYCBBYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG



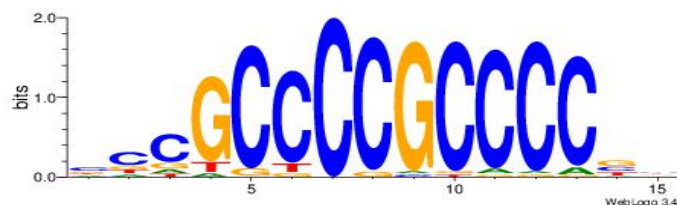
Dataset #: 4

Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0730967

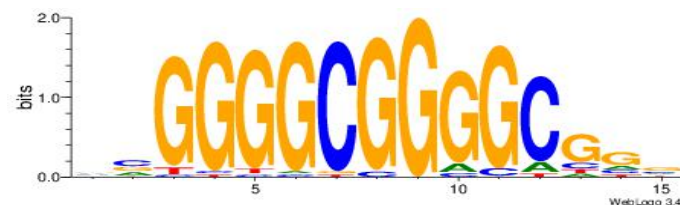
Alignment:

BBGGGGCGGGGCGGB
 ----HGCGTGGGCGK

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB



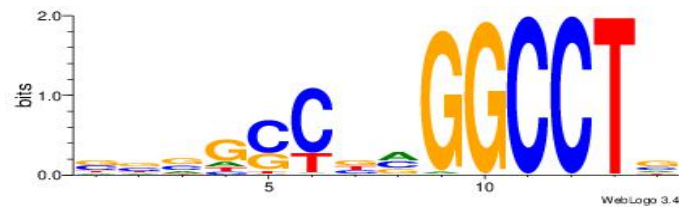
Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 11

Similarity score: 0.0764878

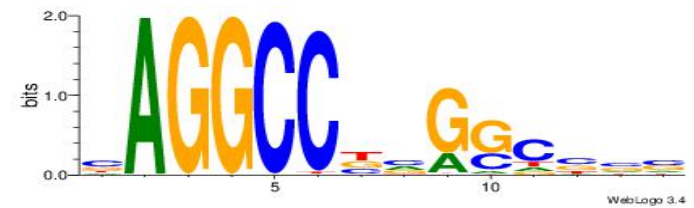
Alignment:

BBVGCCBVGGCCTV
--HGCGTGGGCGK-

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCV



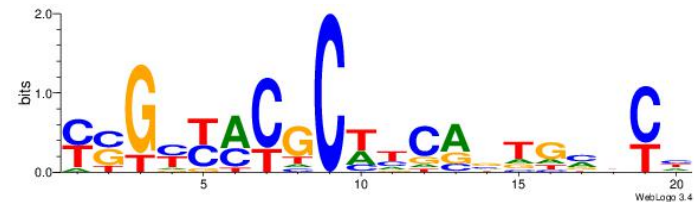
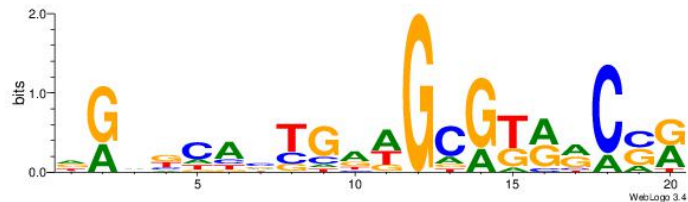
Dataset #: 3
Motif ID: 31
Motif name: Pax5
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 11
Similarity score: 0.0765783

Alignment:

DGVBCABTGDWGCGRRCR
----HGCGTGGGCGK-----

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR

Reverse complement motif Consensus sequence:
MSGKKRCGCWDCABTGBBCD



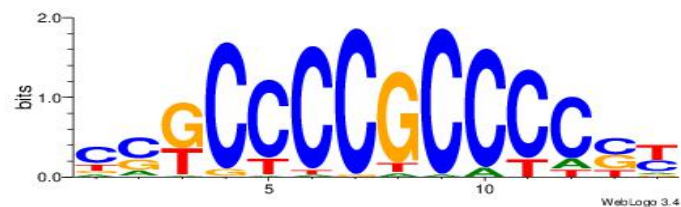
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0771215

Alignment:

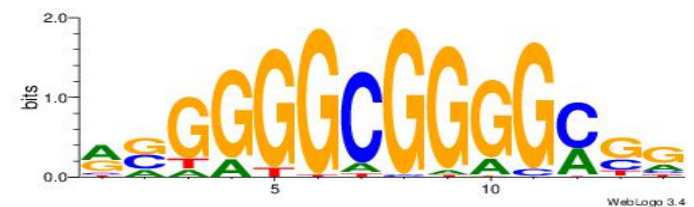
```

CSKCCCCGCCCSY
-YCGCCCACGCH--
  
```

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGCGGGY



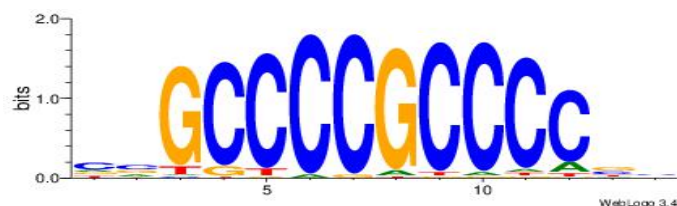
Dataset #: 4
 Motif ID: 36

Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0825032

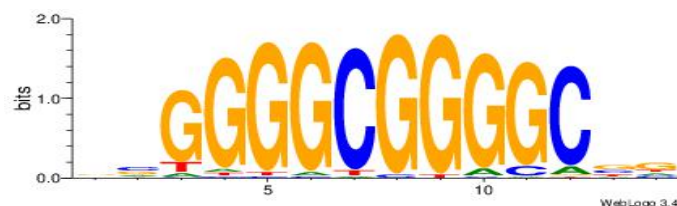
Alignment:

HVGCCCCGCCCCBB
 -YCGCCCACGCH--

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC



Dataset #: 5
 Motif ID: 48
 Motif name: TFW3
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.550222

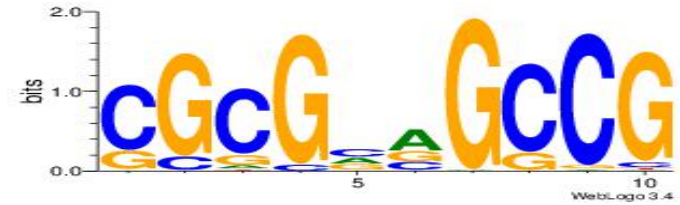
Alignment:

CGCGBMGCCG-
HGCCTGGGCGK

Original motif Consensus sequence: CGGCYBCGCG



Reverse complement motif Consensus sequence: CGCGBMGCCG



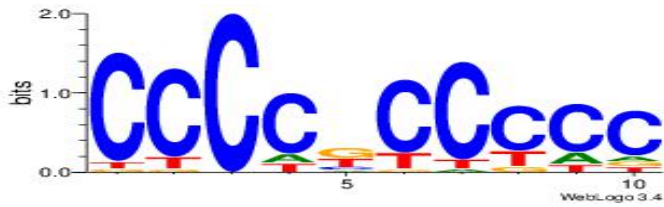
Dataset #:	3
Motif ID:	24
Motif name:	SP1
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	10
Similarity score:	0.572401

Alignment:

GGGGYGGG-
HGCCTGGGCGK

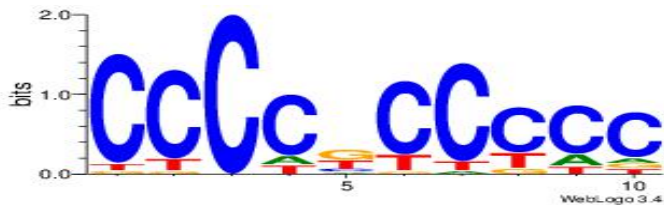
Original motif Consensus sequence: CCCCKCCCC

Reverse complement motif Consensus sequence: GGGGYGGGG

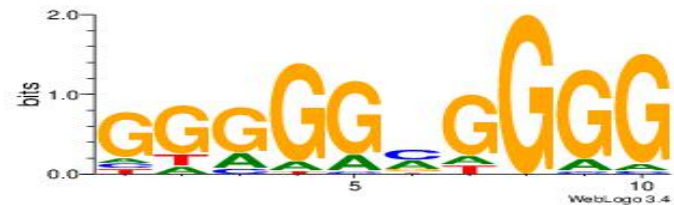


Dataset #: 3 Motif ID: 24 Motif name: SP1

Original motif Consensus sequence: CCCCKCCCC



Reverse complement motif Consensus sequence: GGGGGYGGGG

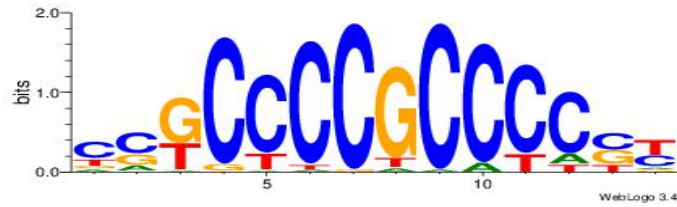


Best Matches for Motif ID 24 (Highest to Lowest)

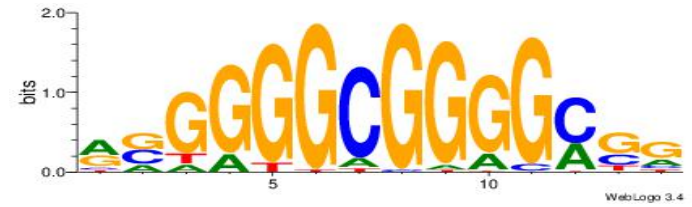
Dataset #:	2
Motif ID:	7
Motif name:	Motif 7
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0.00451594

Alignment:
 MSGGGGCGGGYSG
 -GGGGYGGGG---

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGCGGGGY

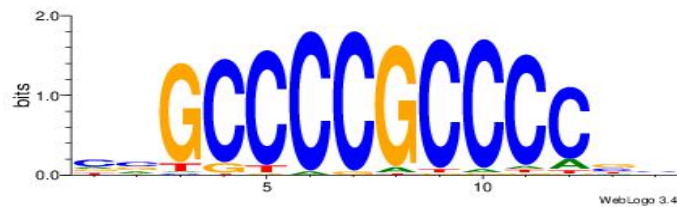


Dataset #: 4
Motif ID: 36
Motif name: csGCCCCGCCCSy
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 10
Similarity score: 0.00965796

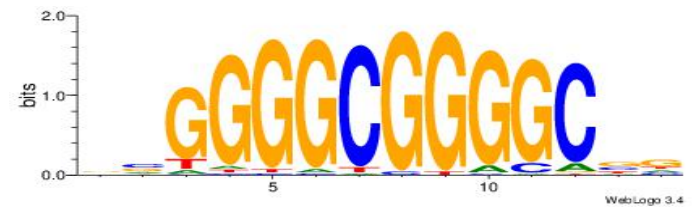
Alignment:

```
HVCCCCGCCCB  
---CCCKCCCC-
```

Original motif Consensus sequence: HVCCCCGCCCB



Reverse complement motif Consensus sequence: BBGGGCGGGC

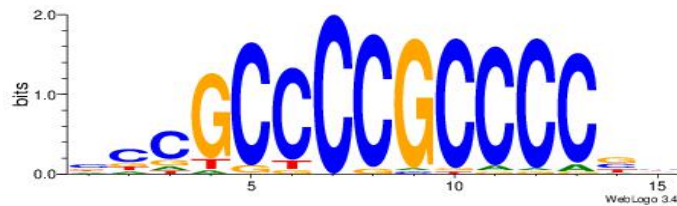


Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0127292

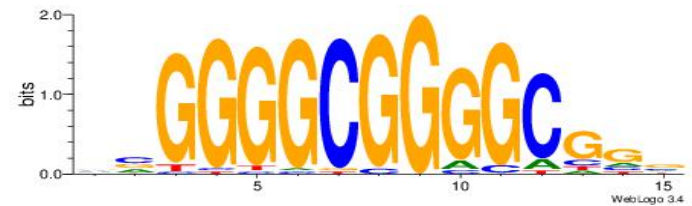
Alignment:

BCCGCCCCGCCCCBB
 ----CCCCKCCCC--

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

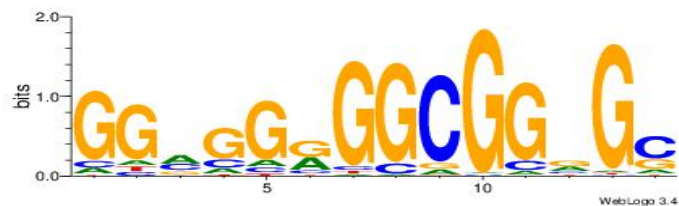


Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4

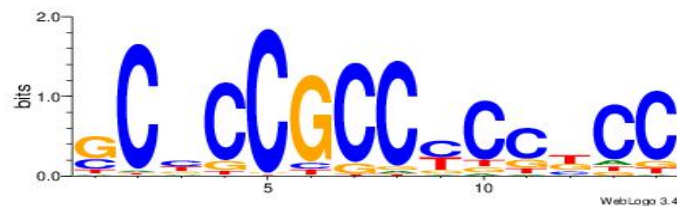
Number of overlap: 10
Similarity score: 0.0174405

Alignment:
GGMGGRGGCGGVGC
---GGGGYGGG---

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC

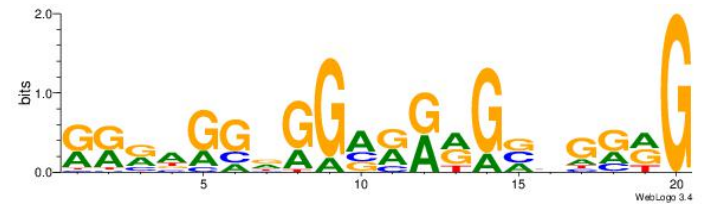
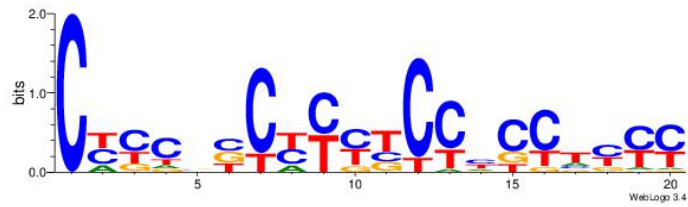


Dataset #: 5
Motif ID: 54
Motif name: TFM12
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 7
Number of overlap: 10
Similarity score: 0.0301548

Alignment:
CYCBBCYYYYTCCHCCTYYY
-----CCCCKCCCC-----

Original motif Consensus sequence: CYCBBCYYYYTCCHCCTYYY

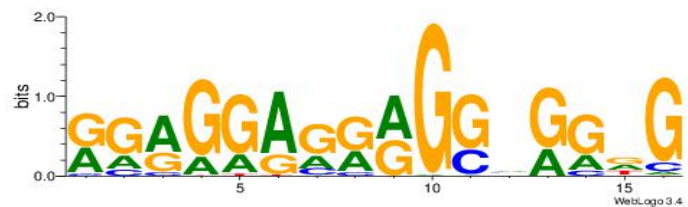
Reverse complement motif Consensus sequence:
KKKAGGDGGAKKMGBBGKMG



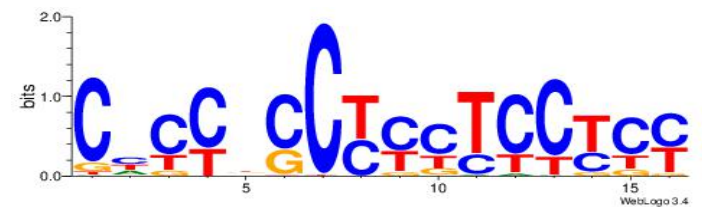
Dataset #: 5
 Motif ID: 51
 Motif name: TFM2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0329167

Alignment:
 RGRGGAGRRGGHGGDG
 -----GGGGYGGGG

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCKMCTCCKCM



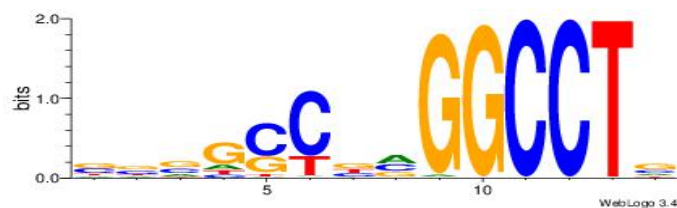
Dataset #: 3

Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0540825

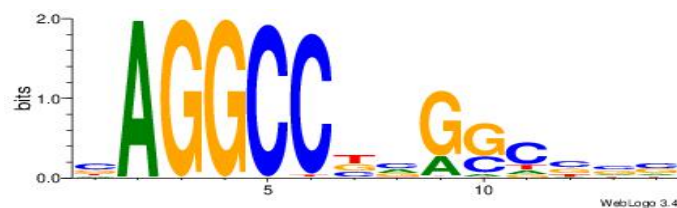
Alignment:

BBVGCCBVGGCCTV
 ----GGGGYGGGG

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCV

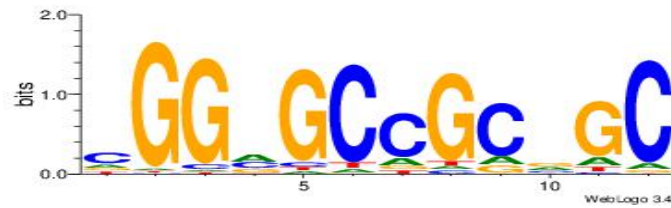


Dataset #: 5
 Motif ID: 49
 Motif name: TFF1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0557738

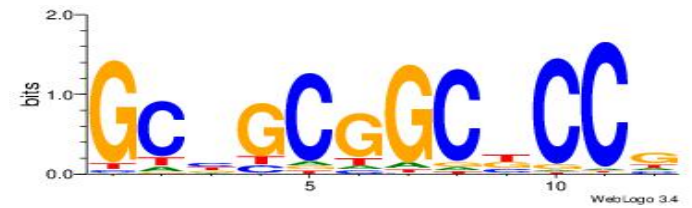
Alignment:

GCVGCGGCBCCG
-CCCCKCCCC-

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGCGGCBCCG



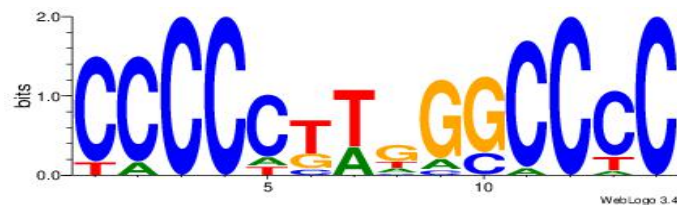
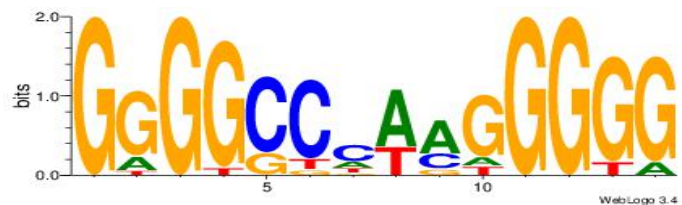
Dataset #:	3
Motif ID:	30
Motif name:	PLAG1
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0.0600992

Alignment:

CCCCCTTGGGCCCC
-CCCCKCCCC---

Original motif Consensus sequence: GGGGCCAAGGGG

Reverse complement motif Consensus sequence: CCCCCTTGGGCC



Dataset #: 3
 Motif ID: 27
 Motif name: Klf4
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0637183

Alignment:

GCCYCMCCCD
 CCCCKCCCC

Original motif Consensus sequence: DGGYGKGGC

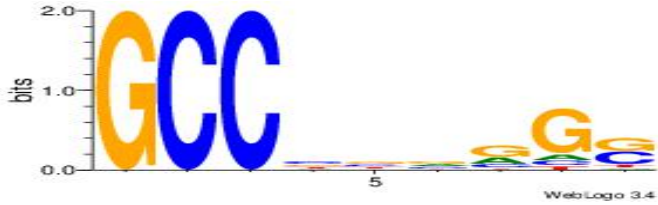


Reverse complement motif Consensus sequence: GCCYCMCCCD

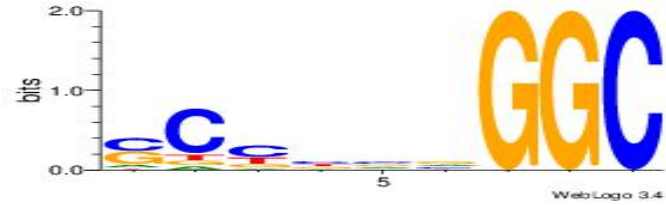


Dataset #: 3 Motif ID: 25 Motif name: TFAP2A

Original motif Consensus sequence: GCCBBVRGS



Reverse complement motif Consensus sequence: SCMVBGGC



Best Matches for Motif ID 25 (Highest to Lowest)

Dataset #:	3
Motif ID:	22
Motif name:	Zfx
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	9
Similarity score:	0.0131247

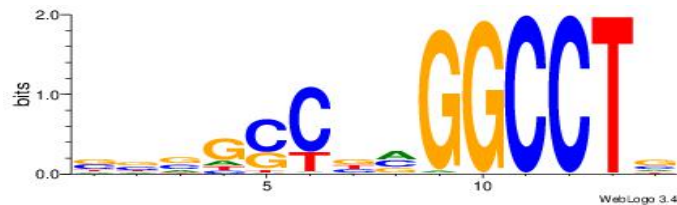
Alignment:

```

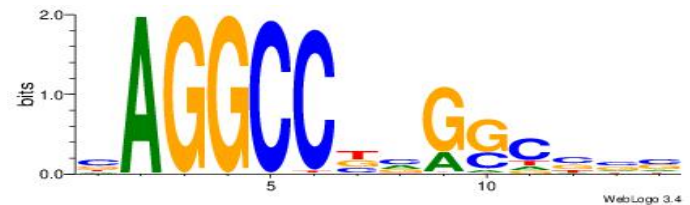
BBVGCCBVGGCCTV
---SCMVBBGGC--

```

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCV

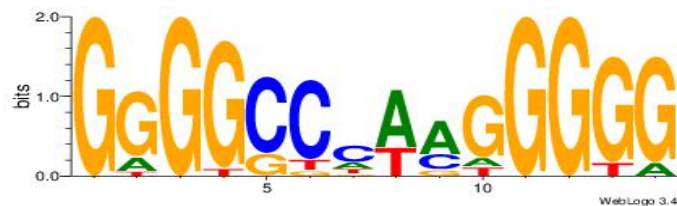


Dataset #: 3
 Motif ID: 30
 Motif name: PLAG1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 9
 Similarity score: 0.0414588

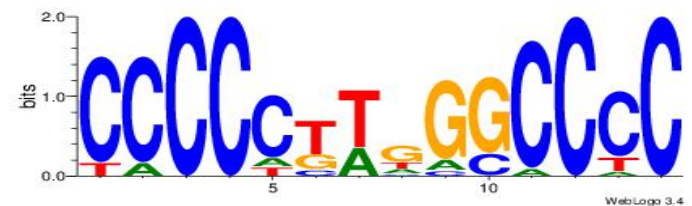
Alignment:

GGGGCCCAAGGGGG
 ---GCCBBVRGS--

Original motif Consensus sequence: GGGGCCCAAGGGGG



Reverse complement motif Consensus sequence: CCCCTTGGGCC



Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 9

Similarity score: 0.0415732

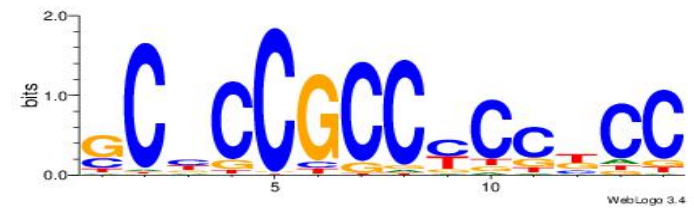
Alignment:

GGMGGRGGCGGVGC
SCMVBBGGC-----

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



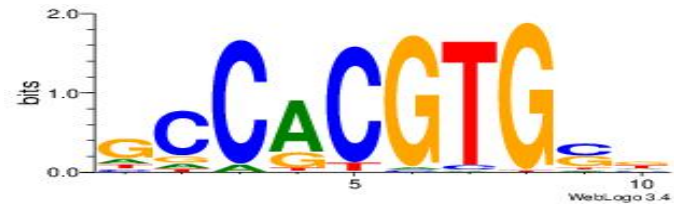
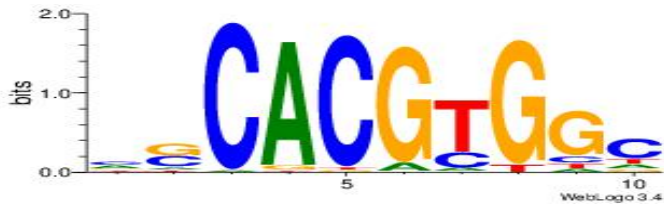
Dataset #: 3
Motif ID: 33
Motif name: Mycn
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 9
Similarity score: 0.0550803

Alignment:

HSCACGTGGC
-SCMVBBGGC

Original motif Consensus sequence: HSCACGTGGC

Reverse complement motif Consensus sequence: GCCACGTGSD

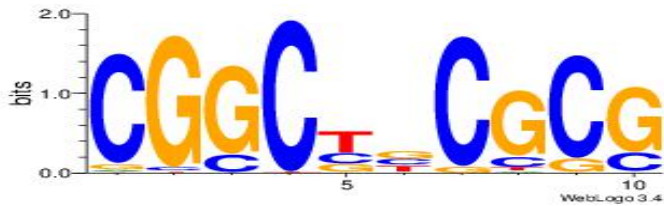


Dataset #: 5
 Motif ID: 48
 Motif name: TFW3
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 9
 Similarity score: 0.0552877

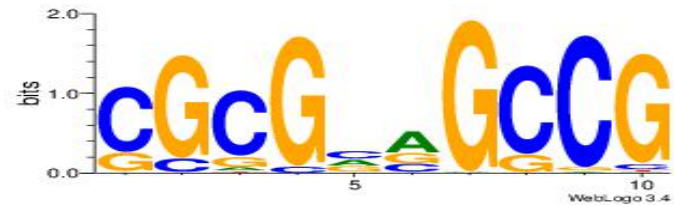
Alignment:

CGGCYBCGCG
 -GCCBBVRGS

Original motif Consensus sequence: CGGCYBCGCG



Reverse complement motif Consensus sequence: CGCGBMGCCG



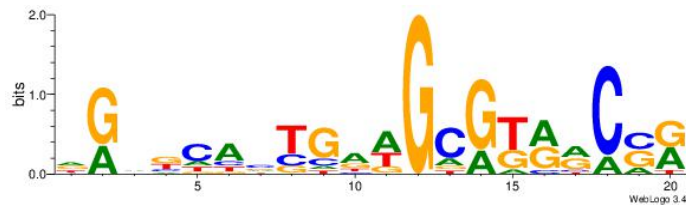
Dataset #: 3
 Motif ID: 31

Motif name: Pax5
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 9
 Similarity score: 0.0581255

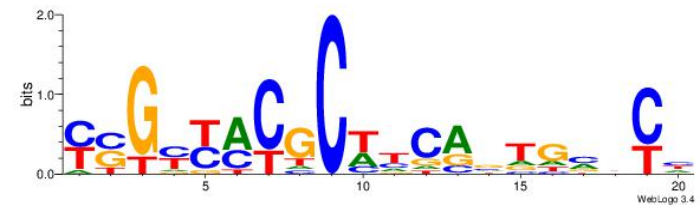
Alignment:

MSGKKRCGCWDCABTGBBCD
 -----GCCBBVRGS-----

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD

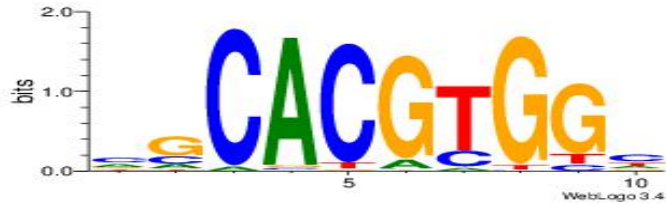


Dataset #: 3
 Motif ID: 34
 Motif name: Myc
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 9
 Similarity score: 0.0613455

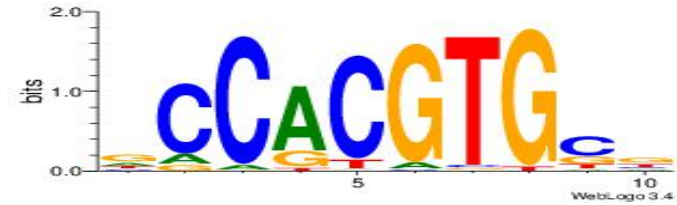
Alignment:

VGCACGTGGH
-SCMVBBGGC

Original motif Consensus sequence: VGCACGTGGH



Reverse complement motif Consensus sequence: DCCACGTGCV



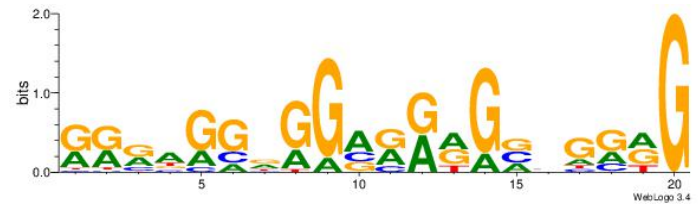
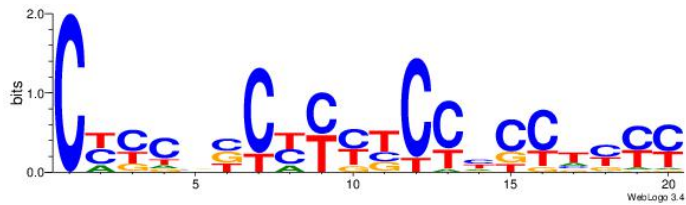
Dataset #:	5
Motif ID:	54
Motif name:	TFM12
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	11
Number of overlap:	9
Similarity score:	0.0630429

Alignment:

KKKAGGDGGAKKMGBBGKMG
-SCMVBBGGC-----

Original motif Consensus sequence: CYCBBCYYYYTCHCCTYYY

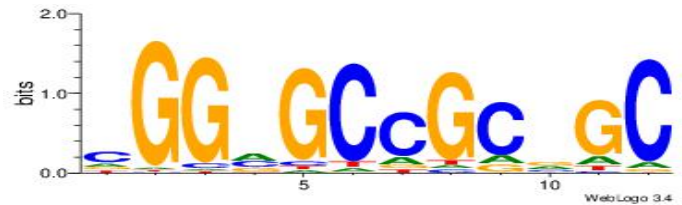
Reverse complement motif Consensus sequence:
KKKAGGDGGAKKMGBBGKMG



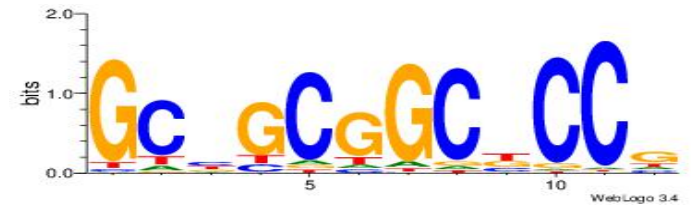
Dataset #: 5
 Motif ID: 49
 Motif name: TFF1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 9
 Similarity score: 0.0669772

Alignment:
 GCVGCGGCBCCG
 SCMVBGGC---

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGCGGCBCCG

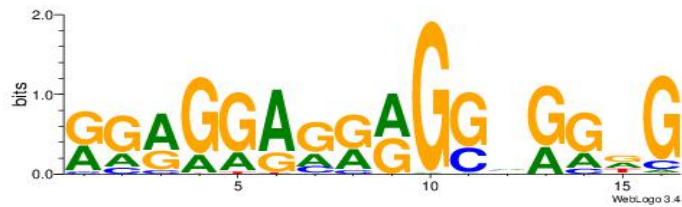


Dataset #: 5
 Motif ID: 51

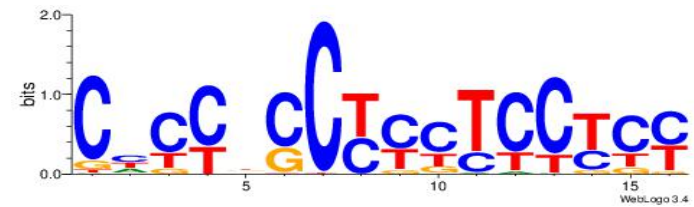
Motif name: TFM2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 9
 Similarity score: 0.069755

Alignment:
 CHCCBCKMCTCCKCM
 SCMVBBGGC-----

Original motif Consensus sequence: RGRGGAGRRGGHGDDG



Reverse complement motif Consensus sequence: CHCCBCKMCTCCKCM



Dataset #: 3 Motif ID: 26 Motif name: MIZF

Original motif Consensus sequence: BAACGTCCGC



Reverse complement motif Consensus sequence: GCGGACGTTT



Best Matches for Motif ID 26 (Highest to Lowest)

Dataset #: 3
Motif ID: 35
Motif name: GABPA
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 10
Similarity score: 0.0459305

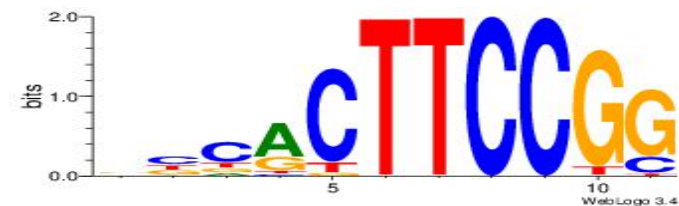
Alignment:

```
CCGGAAGTGVV  
GCGGACGTTV-
```

Original motif Consensus sequence: CCGGAAGTGVV



Reverse complement motif Consensus sequence: VVCACTTCGG



Dataset #: 4
Motif ID: 40
Motif name: kcACCTGCAGc
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif

Direction: Forward
Position number: 1
Number of overlap: 10
Similarity score: 0.0778314

Alignment:
BCACCTGCABC
BAACGTCCGC-

Original motif Consensus sequence: BCACCTGCABC



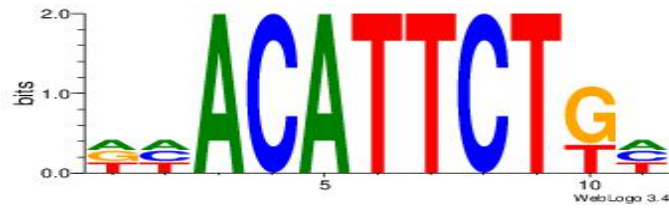
Reverse complement motif Consensus sequence: GBTGCAGGTGB



Dataset #: 4
Motif ID: 44
Motif name: dhACATTCTkh
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 10
Similarity score: 0.0794339

Alignment:
DHACATTCTGH
BAACGTCCGC-

Original motif Consensus sequence: DHACATTCTGH



Reverse complement motif Consensus sequence: HCAGAATGTHD

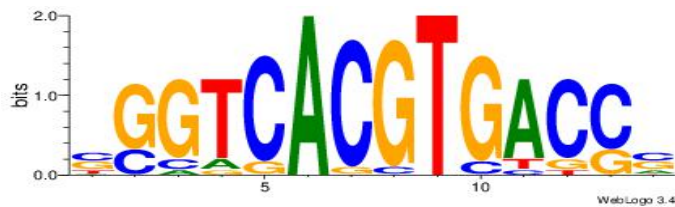


Dataset #: 4
Motif ID: 42
Motif name: sSGTCACGTGACCS
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 10
Similarity score: 0.0804061

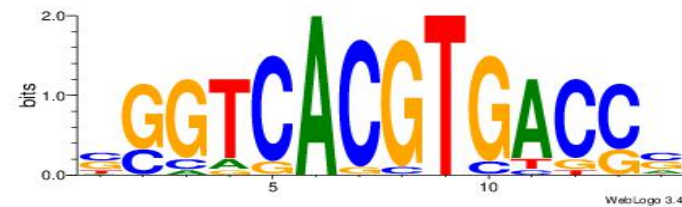
Alignment:

SGGTCACGTGACCS
---BAACGTCCGC--

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS



Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0861006

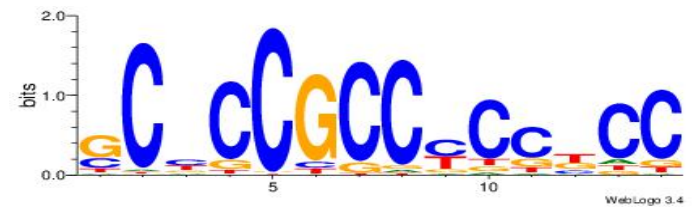
Alignment:

GCVCCGCCMCCYCC
 -BAACGTCCGC---

Original motif Consensus sequence: GGMGRRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC



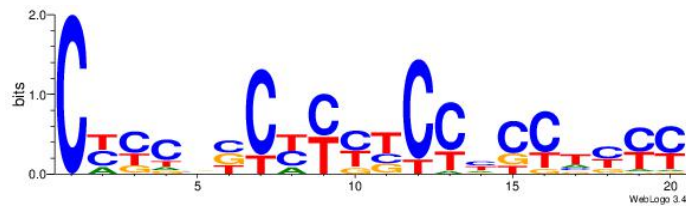
Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 10

Similarity score: 0.0871006

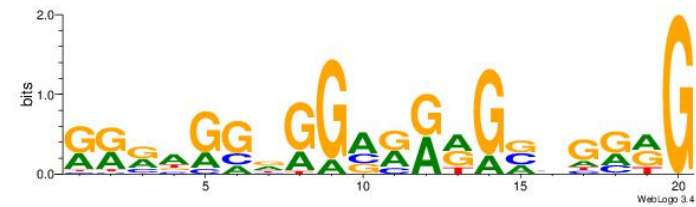
Alignment:

CYYCBBCYYYTCCHCCTYYY
-----BAACGTCCGC-----

Original motif Consensus sequence: CYYCBBCYYYTCCHCCTYYY



Reverse complement motif Consensus sequence:
KKKAGGDGGAKKMGBBGKMG



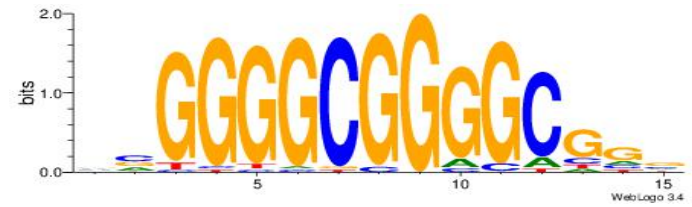
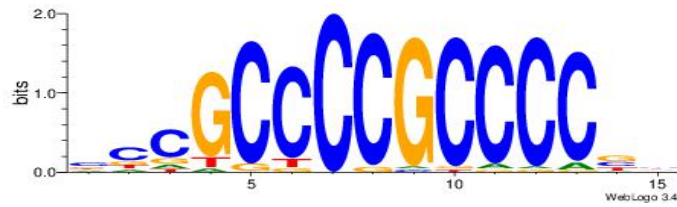
Dataset #: 4
Motif ID: 38
Motif name: cccGCCCCGCCCCsb
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 10
Similarity score: 0.0877229

Alignment:

BCCGCCCCGCCCCBB
BAACGTCCGC-----

Original motif Consensus sequence: BCCGCCCCGCCCCBB

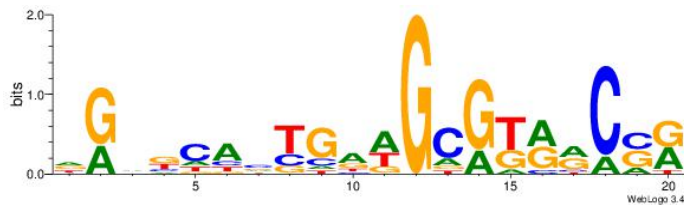
Reverse complement motif Consensus sequence:
BBGGGGCGGGGCGGB



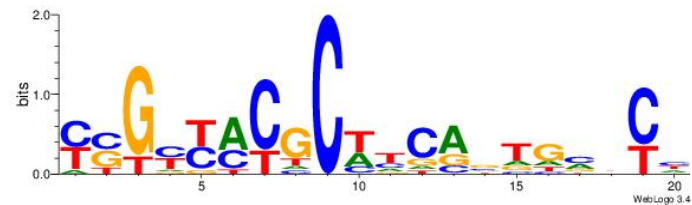
Dataset #: 3
 Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 10
 Number of overlap: 10
 Similarity score: 0.0877672

Alignment:
 MSGKKRCGCWDCABTGBCD
 -GCGGACGTTV-----

Original motif Consensus sequence: DGVBCABTDGWGCGKRRCSR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBCD

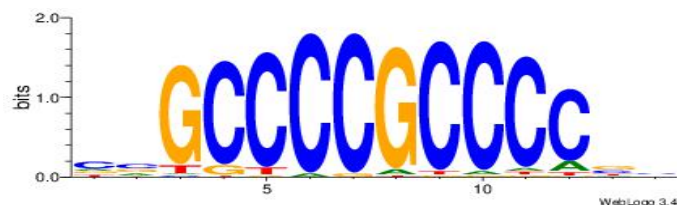


Dataset #: 4

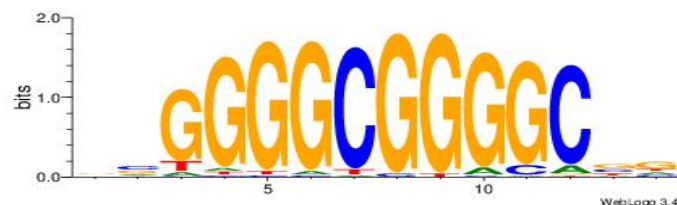
Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0884513

Alignment:
 HVGCCCCGCCCCBB
 ---BAACGTCCGC-

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC



Dataset #: 4
 Motif ID: 45
 Motif name: wbgTAAATAww
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0893149

Alignment:

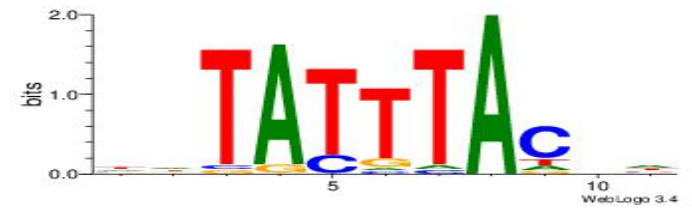
DBGTAAATAHD

GCGGACGTTV-

Original motif Consensus sequence: DBGTAAATAHD

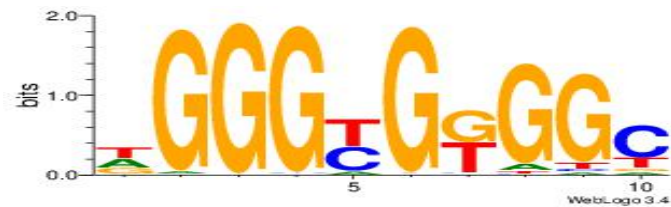


Reverse complement motif Consensus sequence: DHTATTTACBD

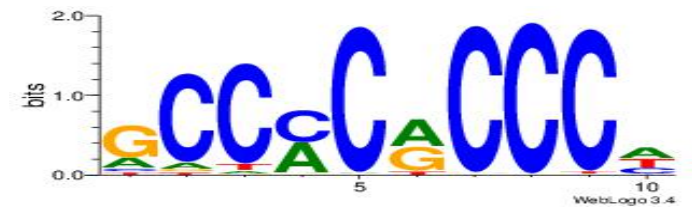


Dataset #: 3 Motif ID: 27 Motif name: Klf4

Original motif Consensus sequence: DGGGYGKGGC



Reverse complement motif Consensus sequence: GCCYCMCCCD



Best Matches for Motif ID 27 (Highest to Lowest)

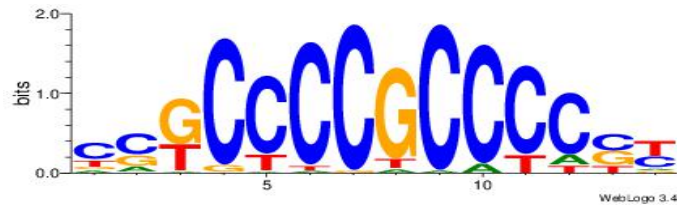
Dataset #:	2
Motif ID:	7
Motif name:	Motif 7
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	3

Number of overlap: 10
Similarity score: 0.0152457

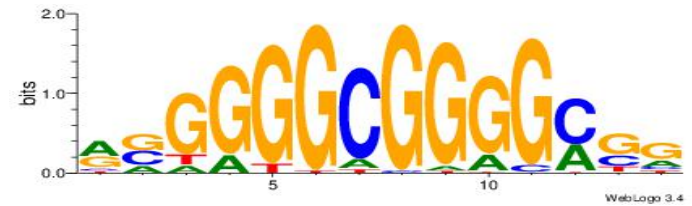
Alignment:

CSKCCCCGCCCCSY
--GCCYCMCCCD--

Original motif Consensus sequence: CSKCCCCGCCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGGY



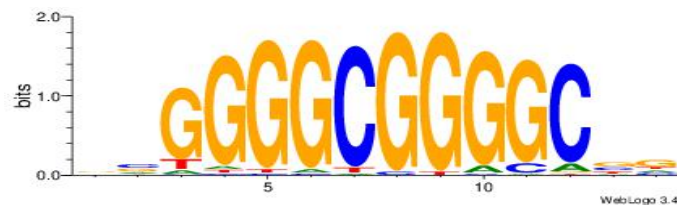
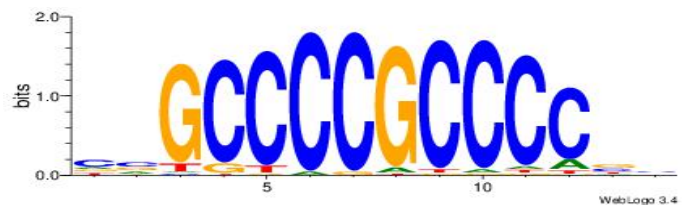
Dataset #: 4
Motif ID: 36
Motif name: csGCCCCGCCCCsc
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 3
Number of overlap: 10
Similarity score: 0.0160185

Alignment:

BBGGGGCGGGGCVD
--DGGGYGKGGC--

Original motif Consensus sequence: HVGCCCCGCCCCBB

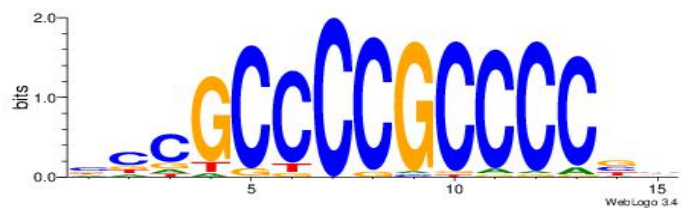
Reverse complement motif Consensus sequence: BBGGGGCGGGGC



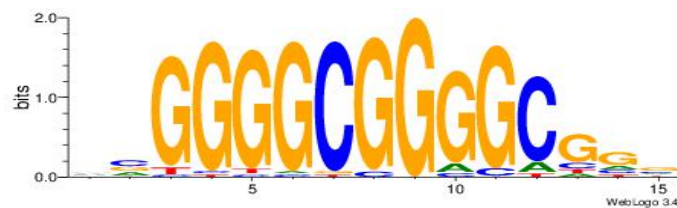
Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0194893

Alignment:
 BBGGGGCGGGGCGGB
 --DGGGYGKGGC---

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

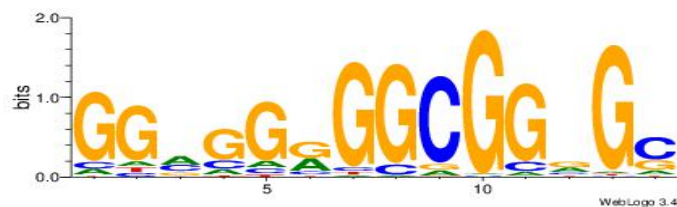


Dataset #: 5

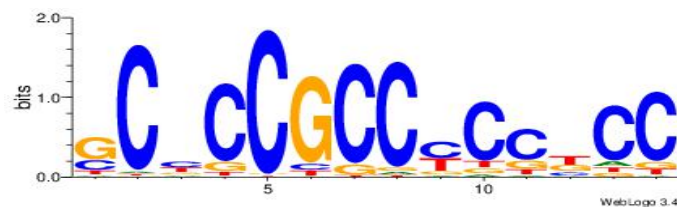
Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0402906

Alignment:
 GGMGGRGGCGGVGC
 ----DGGGYGKGGC

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC

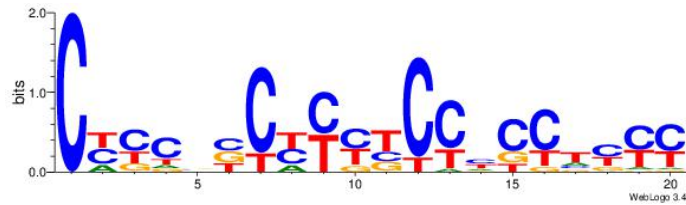


Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 10
 Similarity score: 0.0556427

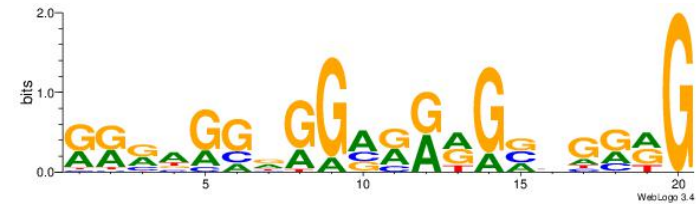
Alignment:

CYYCBBCYYYYTCCHCCTYYY
----GCCYCMCCCD-----

Original motif Consensus sequence: CYYCBBCYYYYTCCHCCTYYY



Reverse complement motif Consensus sequence:
KKKAGGDGGAKKMGBBGKMG



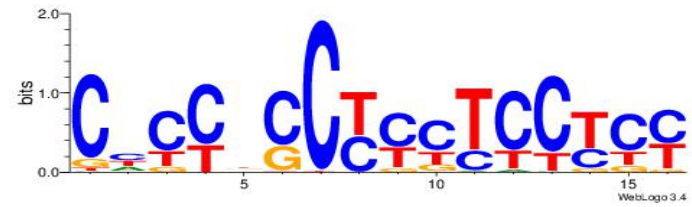
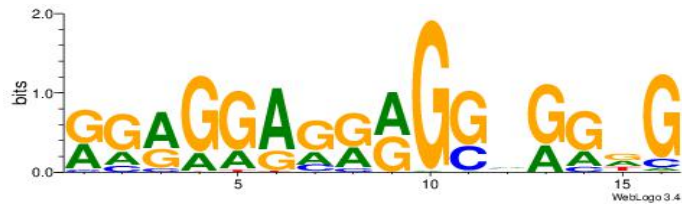
Dataset #: 5
Motif ID: 51
Motif name: TFM2
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 10
Similarity score: 0.0606033

Alignment:

CHCCBCKMCTCCKCM
----GCCYCMCCCD--

Original motif Consensus sequence: RGRGGAGRRGGHGGDG

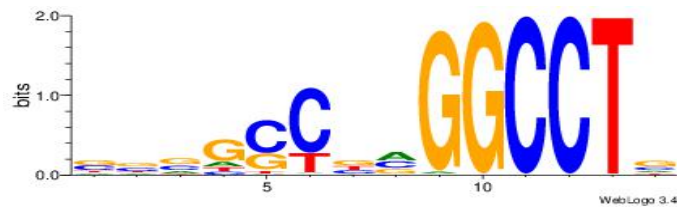
Reverse complement motif Consensus sequence:
CHCCBCKMCTCCKCM



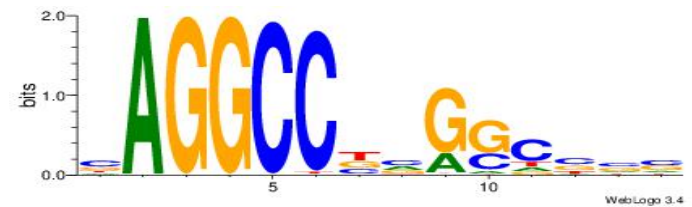
Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0623591

Alignment:
 BBVGCCBVGCCCTV
 -GCCYCMCCCD---

Original motif Consensus sequence: BBVGCCBVGCCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCV



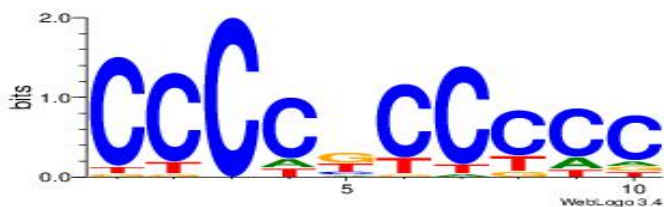
Dataset #: 3
 Motif ID: 24

Motif name: SP1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0663136

Alignment:

GGGGYGGGG
 DGGYGKGGC

Original motif Consensus sequence: CCCCKCCCC



Reverse complement motif Consensus sequence: GGGGYGGGG

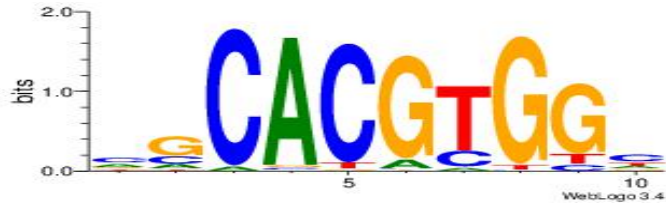


Dataset #: 3
 Motif ID: 34
 Motif name: Myc
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0686848

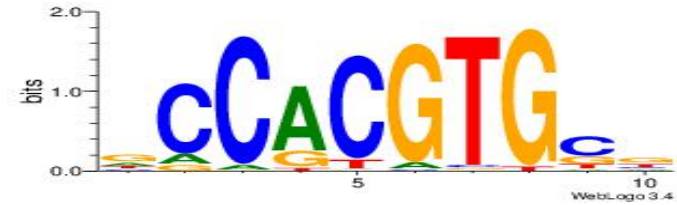
Alignment:

VGCACGTGGH
DGGGYGKGGC

Original motif Consensus sequence: VGCACGTGGH



Reverse complement motif Consensus sequence: DCCACGTGCV



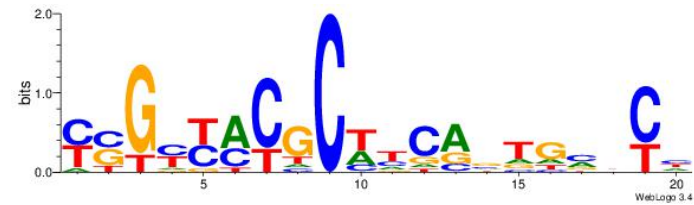
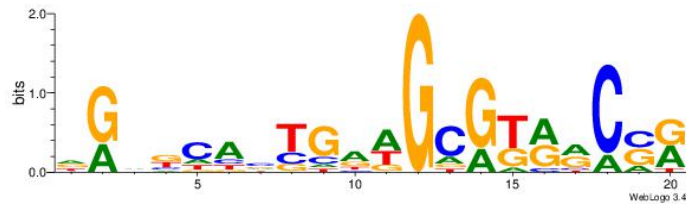
Dataset #: 3
Motif ID: 31
Motif name: Pax5
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 9
Number of overlap: 10
Similarity score: 0.06956

Alignment:

DGVBCABTGDWCGKRRCSR
-----DGGGYGKGGC--

Original motif Consensus sequence: DGVBCABTGDWCGKRRCSR

Reverse complement motif Consensus sequence:
MSGKKRCGCWDCABTGBBCD



Dataset #: 3 Motif ID: 28 Motif name: E2F1

Original motif Consensus sequence: TTTSGCGC



Reverse complement motif Consensus sequence: GCGCSAAA

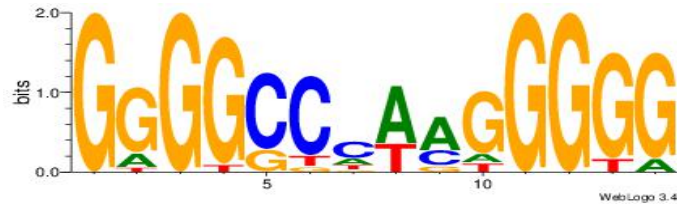


Best Matches for Motif ID 28 (Highest to Lowest)

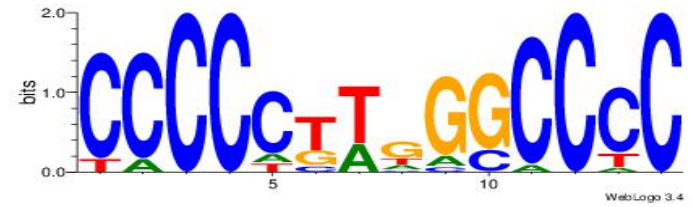
Dataset #:	3
Motif ID:	30
Motif name:	PLAG1
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	8
Similarity score:	0.0568827

Alignment:
 GGGGCCCAAGGGG
 -GCGCSAAA-----

Original motif Consensus sequence: GGGCCCAAGGGG



Reverse complement motif Consensus sequence: CCCCTTGGCC



Dataset #: 4
Motif ID: 39
Motif name: kCAGCCAATmr
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 8
Similarity score: 0.0624791

Alignment:

DCAGCCAATVR
-GCGCSAAA--

Original motif Consensus sequence: DCAGCCAATVR



Reverse complement motif Consensus sequence: MBATTGGCTGH



Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0781129

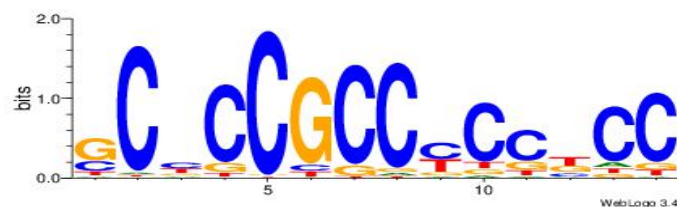
Alignment:

GCVCCGCCMCCYCC
 ---GCGCSAAA---

Original motif Consensus sequence: GGMGRRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC



Dataset #: 3
 Motif ID: 23
 Motif name: Egr1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 8

Similarity score: 0.0784105

Alignment:

YGCCCCACGCH
GCGCSAAA---

Original motif Consensus sequence: HCGTGGGCGK



Reverse complement motif Consensus sequence: YGCCCCACGCH



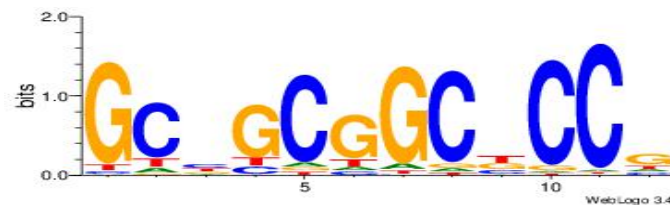
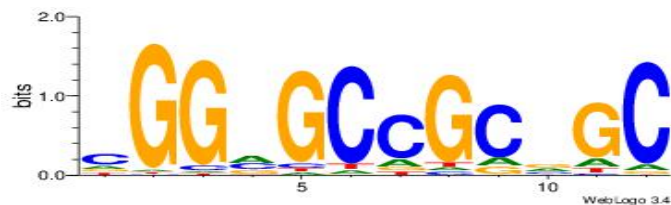
Dataset #: 5
Motif ID: 49
Motif name: TFF1
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 8
Similarity score: 0.0798986

Alignment:

CGGVGCCGCVGC
--GCGCSAAA--

Original motif Consensus sequence: CGGVGCCGCVGC

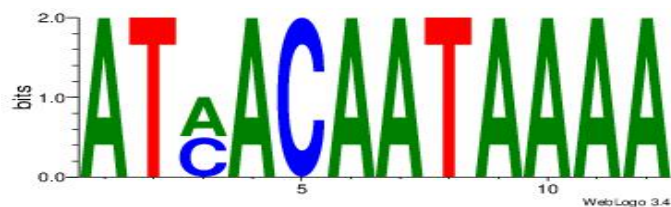
Reverse complement motif Consensus sequence: GCVGCGGCBCCG



Dataset #: 2
 Motif ID: 15
 Motif name: Motif 15
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.0836188

Alignment:
 TTTTATTGTYAT
 ---TTTSGCGC-

Original motif Consensus sequence: ATMACAATAAAA



Reverse complement motif Consensus sequence: TTTTATTGTYAT



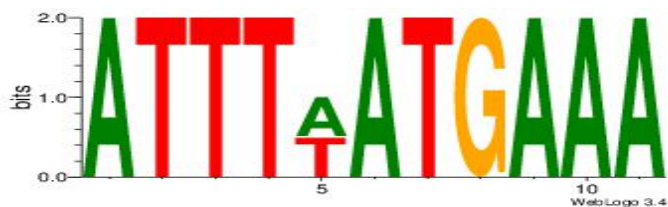
Dataset #: 2
 Motif ID: 11

Motif name: Motif 11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.0836188

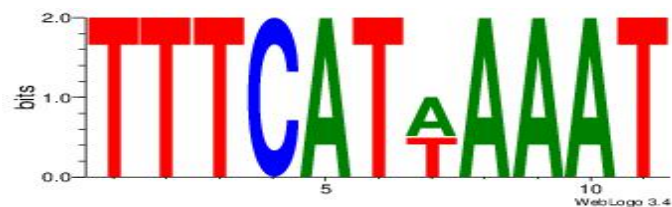
Alignment:

TTCATWAAAT
 --GCGCSAAA-

Original motif Consensus sequence: ATTTWATGAAA



Reverse complement motif Consensus sequence: TTTCATWAAAT

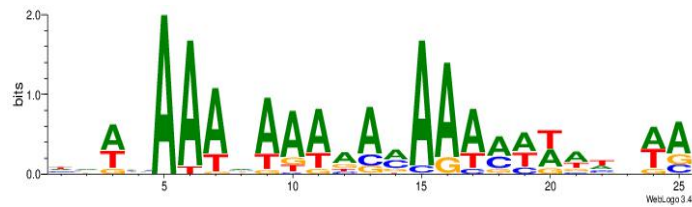


Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 19
 Number of overlap: 7
 Similarity score: 0.569963

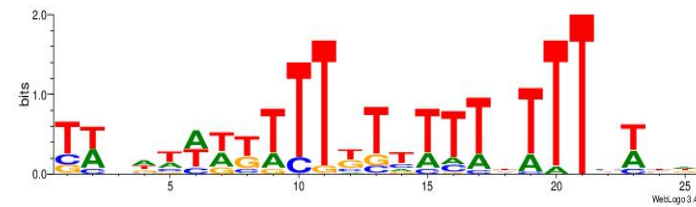
Alignment:

-HDWVAAAHAAAAAMAAAMWWWHBWA
GCGCSAAA-----

Original motif Consensus sequence:
HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
TWVHWWWYTTTTTTTTTTTHTTTVWBH



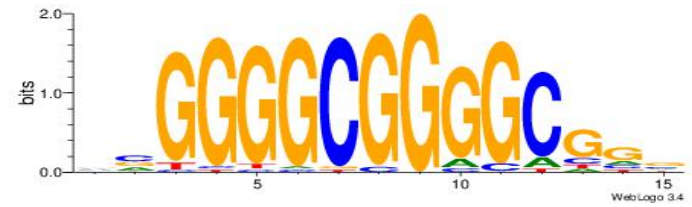
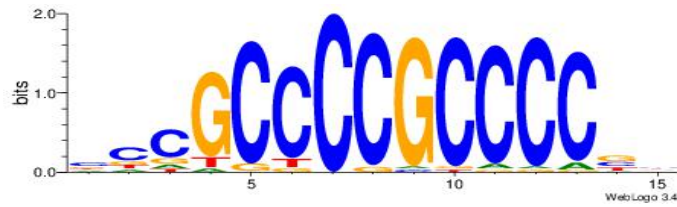
Dataset #: 4
Motif ID: 38
Motif name: cccGCCCCGCCCCsb
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 9
Number of overlap: 7
Similarity score: 0.571005

Alignment:

-BBGGGGCGGGGCGGB
TTTSGCGC-----

Original motif Consensus sequence: BCCGCCCCGCCCCBB

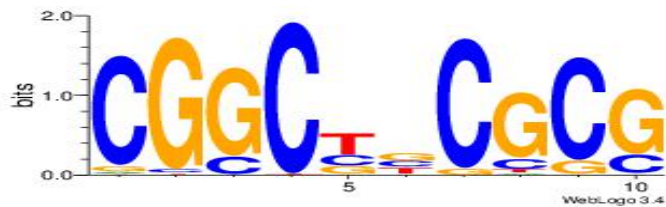
Reverse complement motif Consensus sequence:
BBGGGGCGGGGCGGB



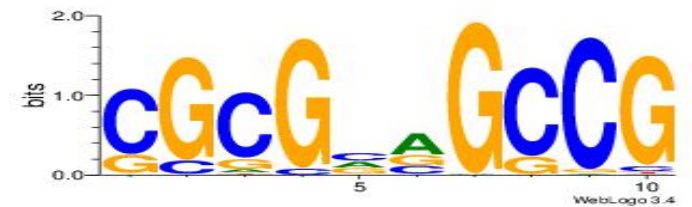
Dataset #: 5
 Motif ID: 48
 Motif name: TFW3
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 7
 Similarity score: 0.571119

Alignment:
 CGGCYBCGCG-
 ---TTTSGCGC

Original motif Consensus sequence: CGGCYBCGCG



Reverse complement motif Consensus sequence: CGCGBMGCCG



Dataset #: 3 Motif ID: 29 Motif name: HIF1AARNT

Original motif Consensus sequence: VBACGTGV



Reverse complement motif Consensus sequence: VCACGTBV

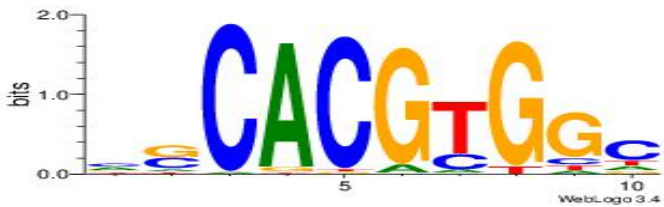


Best Matches for Motif ID 29 (Highest to Lowest)

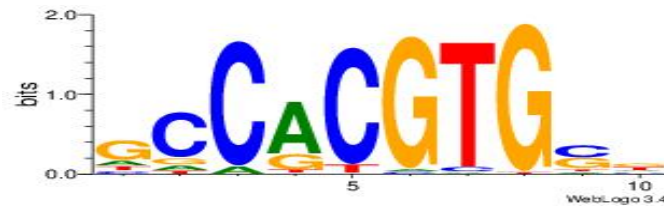
Dataset #:	3
Motif ID:	33
Motif name:	Mycn
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	8
Similarity score:	0.0123101

Alignment:
GCCACGTGSD
-VBACGTGV-

Original motif Consensus sequence: HSCACGTGGC



Reverse complement motif Consensus sequence: GCCACGTGSD



Dataset #: 3
 Motif ID: 34
 Motif name: Myc
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 8
 Similarity score: 0.0144491

Alignment:

DCCACGTGCV
 -VBACGTGV-

Original motif Consensus sequence: VGCACGTGGH



Reverse complement motif Consensus sequence: DCCACGTGCV



Dataset #: 4
 Motif ID: 40
 Motif name: kcACCTGCAGc
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 8

Similarity score: 0.0295473

Alignment:

GBTGCAGGTGB
---VCACGTBV

Original motif Consensus sequence: BCACCTGCABC



Reverse complement motif Consensus sequence: GBTGCAGGTGB



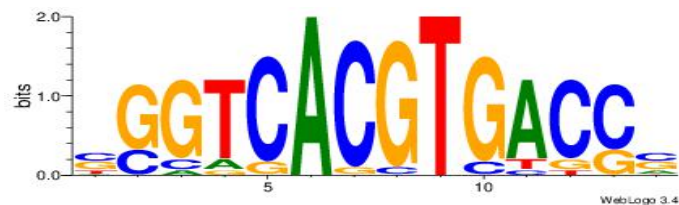
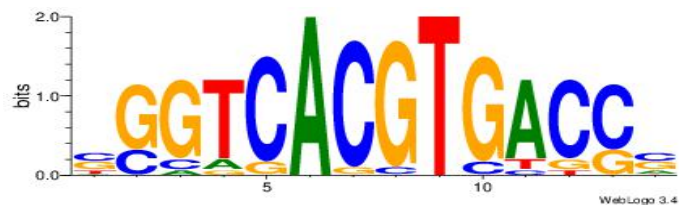
Dataset #: 4
Motif ID: 42
Motif name: sSGTCACGTGACSS
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 4
Number of overlap: 8
Similarity score: 0.0314837

Alignment:

SGGTCACGTGACCS
---VCACGTBV---

Original motif Consensus sequence: SGGTCACGTGACCS

Reverse complement motif Consensus sequence: SGGTCACGTGACCS



Dataset #: 3
 Motif ID: 26
 Motif name: MIZF
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.0377204

Alignment:
 GCGGACGTTV
 --VCACGTBV

Original motif Consensus sequence: BAACGTCCGC



Reverse complement motif Consensus sequence: GCGGACGTTV



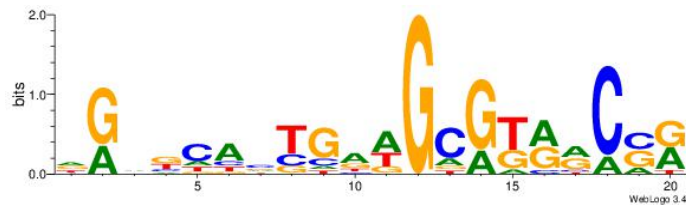
Dataset #: 3
 Motif ID: 31

Motif name: Pax5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 8
 Number of overlap: 8
 Similarity score: 0.0556891

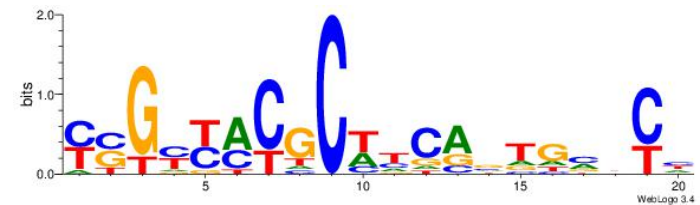
Alignment:

MSGKKRCGCWDCABTGBBCD
 -----VCACGTBV-----

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD



Dataset #: 4
 Motif ID: 44
 Motif name: dhACATTCTkh
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 8
 Similarity score: 0.0640024

Alignment:

DHACATTCTGH
VCACGTBV---

Original motif Consensus sequence: DHACATTCTGH



Reverse complement motif Consensus sequence: HCAGAATGTHD



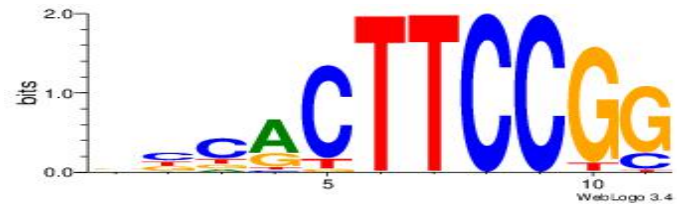
Dataset #: 3
Motif ID: 35
Motif name: GABPA
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 8
Similarity score: 0.0648153

Alignment:

CCGGAAGTGVV
--VCACGTBV-

Original motif Consensus sequence: CCGGAAGTGVV

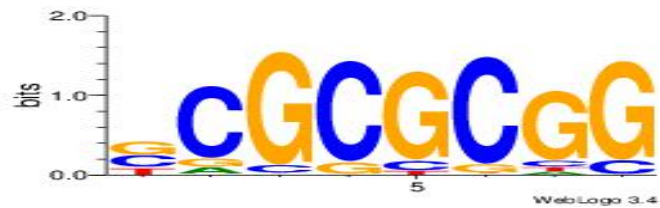
Reverse complement motif Consensus sequence: VVCACTCCGG



Dataset #: 5
 Motif ID: 47
 Motif name: TFW2
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.0660185

Alignment:
 CCGCGCGS
 VBACGTGV

Original motif Consensus sequence: SCGCGCGG



Reverse complement motif Consensus sequence: CCGCGCGS



Dataset #: 5
 Motif ID: 50

Motif name: TFF11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.067219

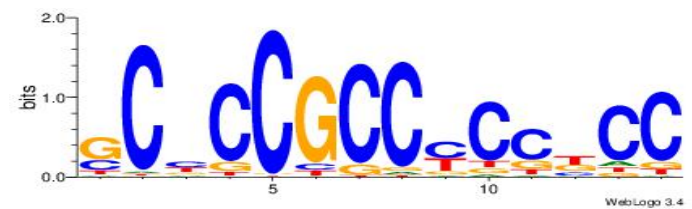
Alignment:

GCVCCGCCMCCYCC
 -----VCACGTBV

Original motif Consensus sequence: GGMGRRGGCGGVGC

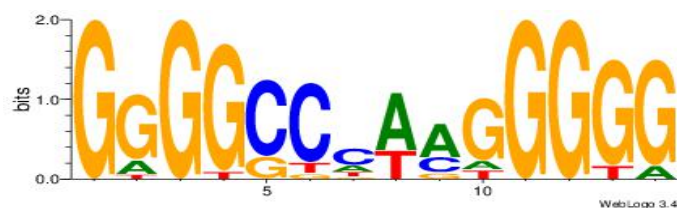


Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC

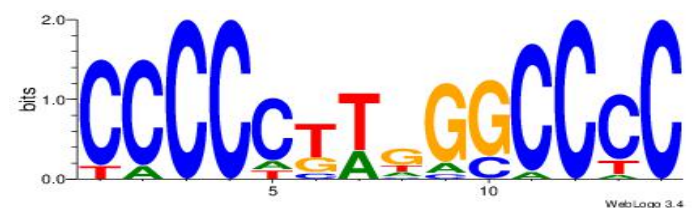


Dataset #: 3 Motif ID: 30 Motif name: PLAG1

Original motif Consensus sequence: GGGGCCAAGGGG



Reverse complement motif Consensus sequence: CCCCTTGGCC



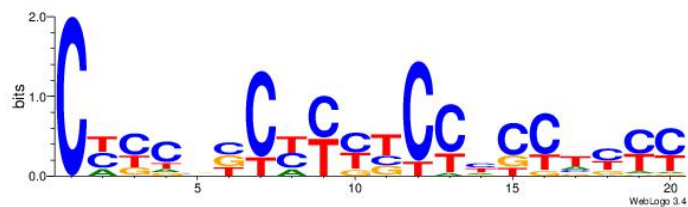
Best Matches for Motif ID 30 (Highest to Lowest)

Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 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: 0.0876918

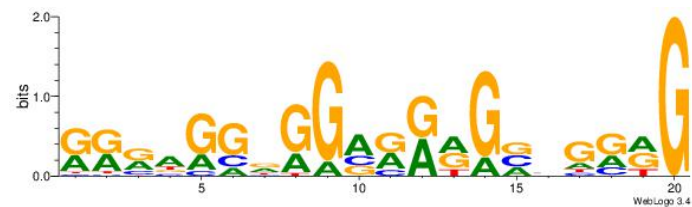
Alignment:

CYYCBBBCYYYTCCHCCTYYY
 -CCCCCTTGGGCCCC-----

Original motif Consensus sequence: CYYCBBBCYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG

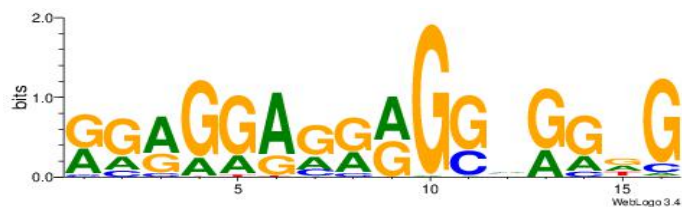


Dataset #: 5
 Motif ID: 51
 Motif name: TFM2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3

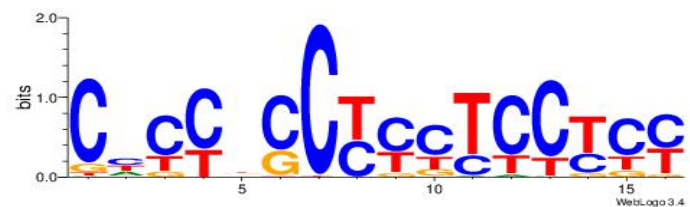
Number of overlap: 14
Similarity score: 0.0880716

Alignment:
CHCCBCKMCTCCKCM
--CCCCCTGGGCCCC

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence:
CHCCBCKMCTCCKCM

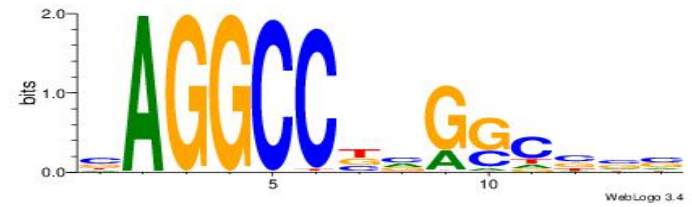
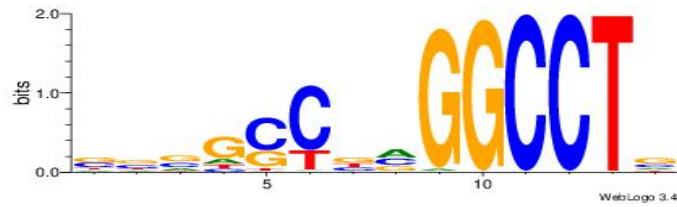


Dataset #: 3
Motif ID: 22
Motif name: Zfx
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0886295

Alignment:
VAGGCCBBGGCVBB
GGGGCCCAAGGGG

Original motif Consensus sequence: BBVGCCBVGGCCTV

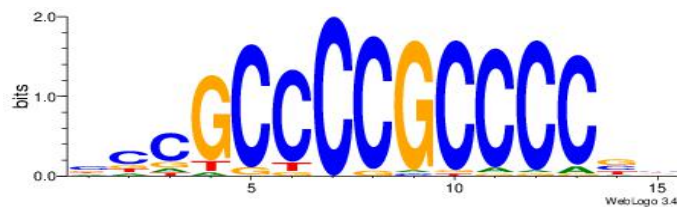
Reverse complement motif Consensus sequence: VAGGCCBBGGCVBB



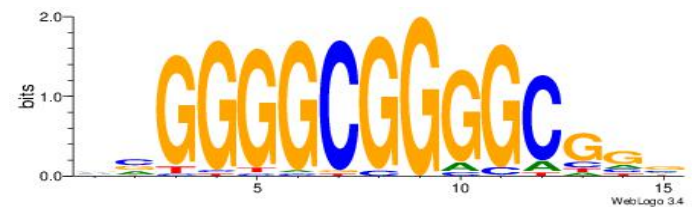
Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 14
 Similarity score: 0.0904945

Alignment:
 BCCGCCCCGCCCCBB
 CCCCCTTGGGCCCC-

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB



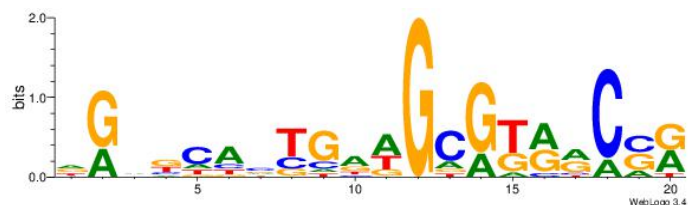
Dataset #: 3

Motif ID: 31
 Motif name: Pax5
 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: 0.0943783

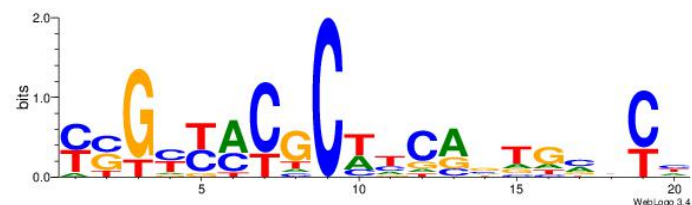
Alignment:

DGVBCABTGDWCGKRRCSR
 GGGGCCCAAGGGG-----

Original motif Consensus sequence: DGVBCABTGDWCGKRRCSR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD



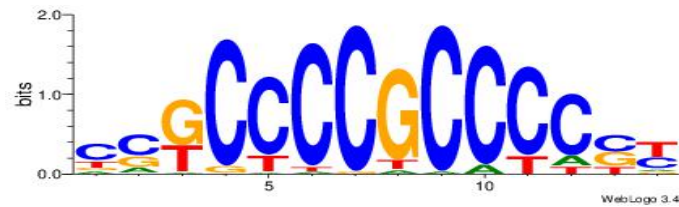
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 13

Similarity score: 0.588053

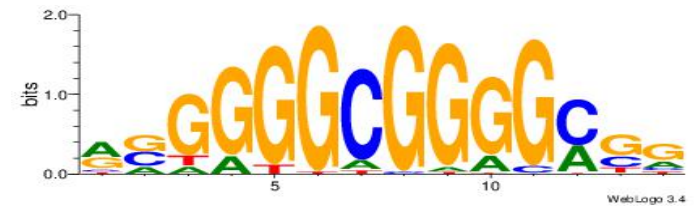
Alignment:

-MSGGGGCGGGYSG
GGGGCCCAAGGGG-

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGY



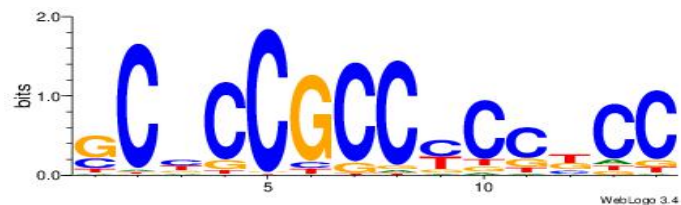
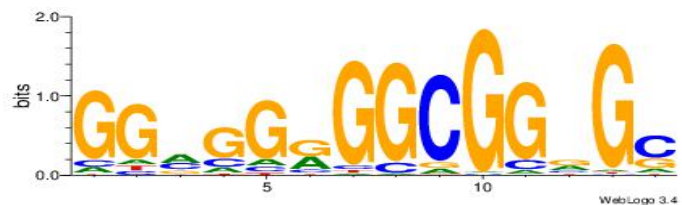
Dataset #: 5
Motif ID: 50
Motif name: TFF11
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 2
Number of overlap: 13
Similarity score: 0.589357

Alignment:

GCVCCGCCMCCYCC-
-CCCCCTTGGGCCCC

Original motif Consensus sequence: GGMGRRGGCGGVGC

Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC

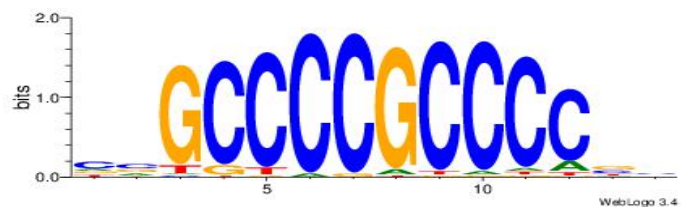


Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.595227

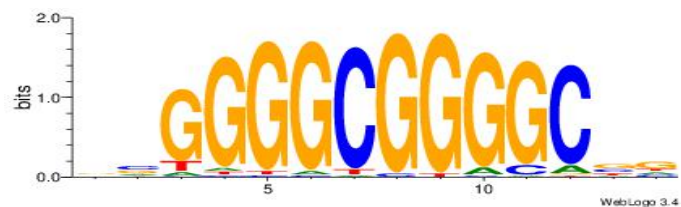
Alignment:

-HVGCCCCGCCCCBB
 CCCCCTTGGGCCCC-

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGCGGGGC



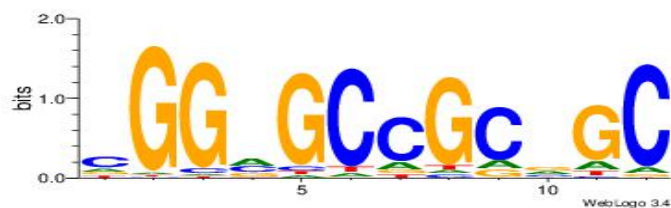
Dataset #: 5
 Motif ID: 49

Motif name: TFF1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 1.09276

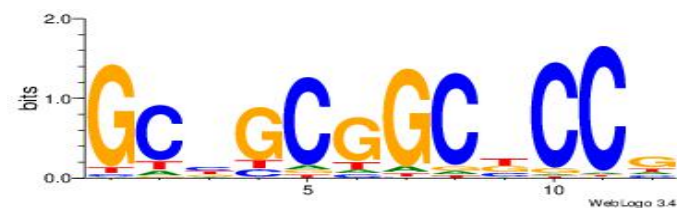
Alignment:

CGGVGCCGCVGC--
 GGGGCCCAAGGGG

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGGCGBCCG

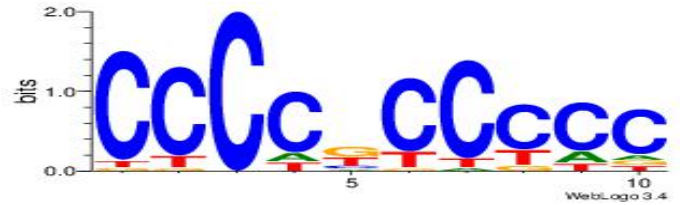


Dataset #: 3
 Motif ID: 24
 Motif name: SP1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 2.07807

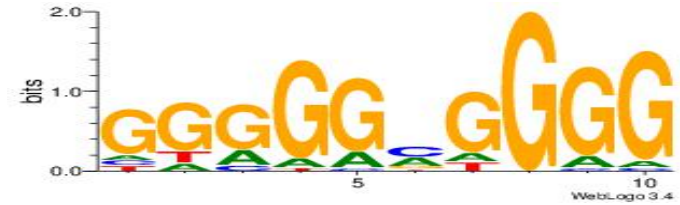
Alignment:

----GGGGGYGGGG
GGGGCCCAAGGGGG

Original motif Consensus sequence: CCCCKCCCC

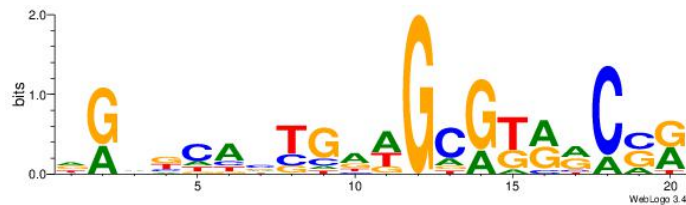


Reverse complement motif Consensus sequence: GGGGYGGGG

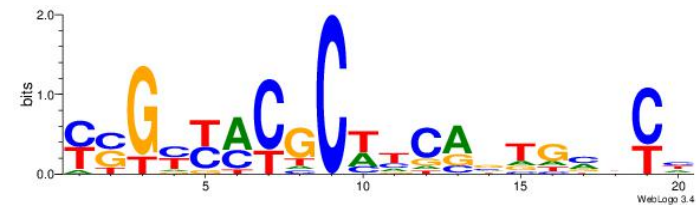


Dataset #: 3 Motif ID: 31 Motif name: Pax5

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD



Best Matches for Motif ID 31 (Highest to Lowest)

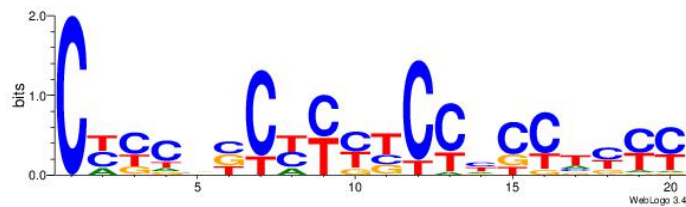
Dataset #:	5
Motif ID:	54
Motif name:	TFM12
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward

Position number: 1
Number of overlap: 20
Similarity score: 0.0373929

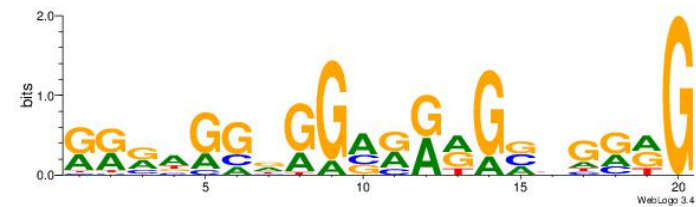
Alignment:

KKKAGGDGGAKKMGBBGKMG
DGVBCABTGDWCGKRRCSR

Original motif Consensus sequence: CYCBBYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG

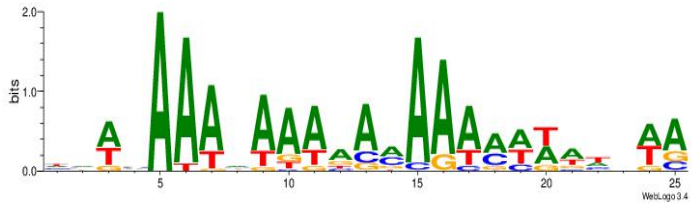


Dataset #: 5
Motif ID: 56
Motif name: TFM11
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 6
Number of overlap: 20
Similarity score: 0.0546306

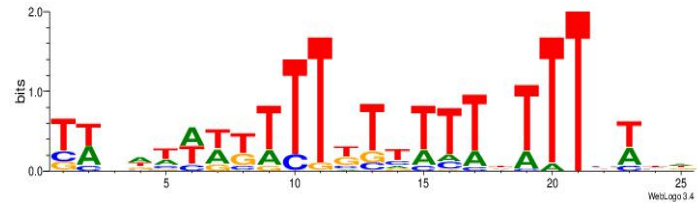
Alignment:

HDWVAAAHA AAAAAMAAAAMWWWHBWA
DGVBCABTGDWCGKRRCSR-----

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
 TWVHWWWYTTTTTTTTTHTTTVWBH

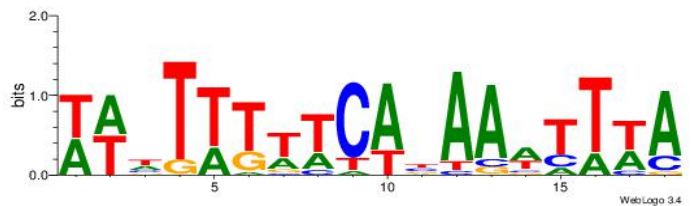


Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 17
 Similarity score: 1.5457

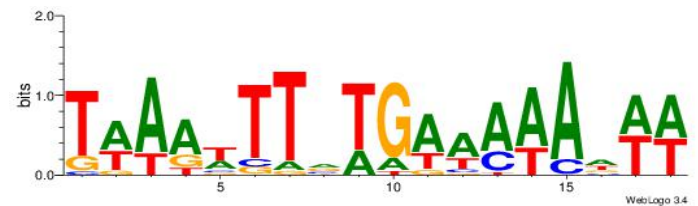
Alignment:

TWAAWTTVTGAAAAHWW---
 -DGVBCABTGDWGCGRRCR

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence:
 TWAAWTTVTGAAAAHWW

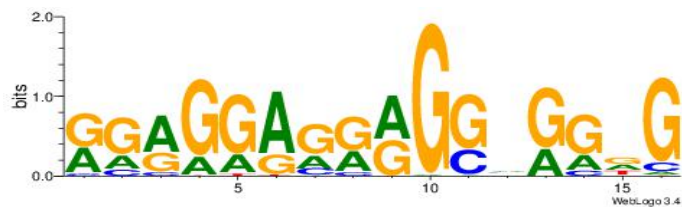


Dataset #: 5
 Motif ID: 51
 Motif name: TFM2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 16
 Similarity score: 2.0519

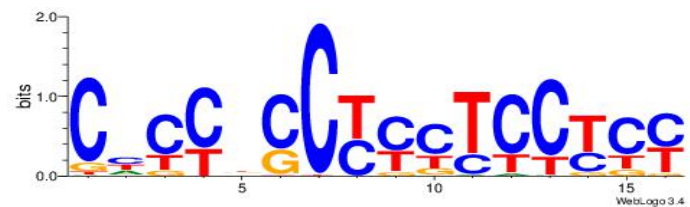
Alignment:

RGRGGAGRRGGHGGDG----
 MSGKKRCGCWDCABTGBBCD

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCKMCTCKCM



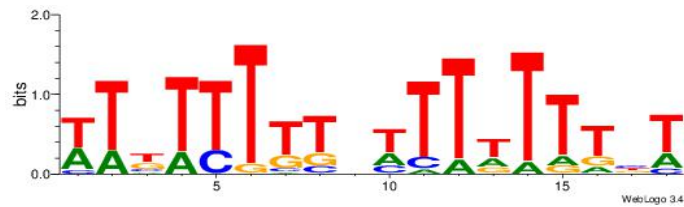
Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3

Number of overlap: 16
Similarity score: 2.05456

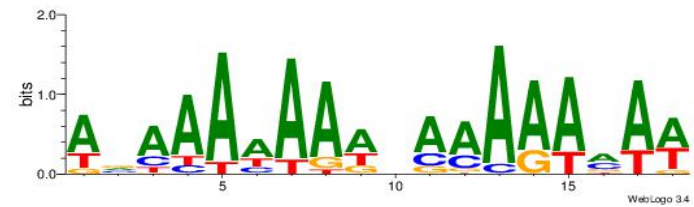
Alignment:

ABAAAAAWhAAAAARAW-----
--DGVBCABTGDWGCGRRCR

Original motif Consensus sequence: WTKTTTTTHWTTTTTBT



Reverse complement motif Consensus sequence:
ABAAAAAWhAAAAARAW

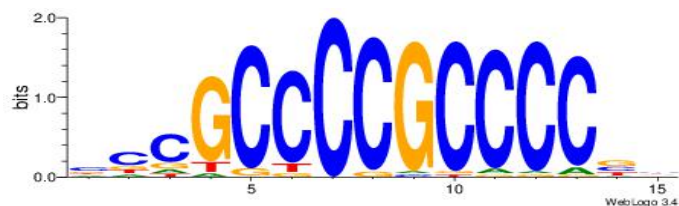


Dataset #: 4
Motif ID: 38
Motif name: cccGCCCCGCCCCsb
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 15
Similarity score: 2.54483

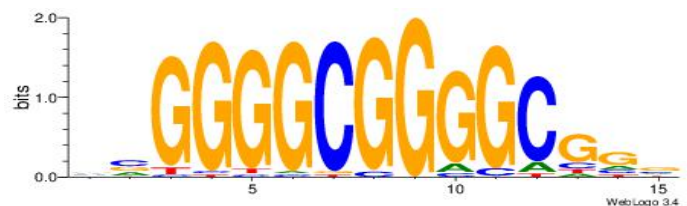
Alignment:

BBGGGGCGGGGCGGB-----
MSGKKRCGCWDCABTGBBCD

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

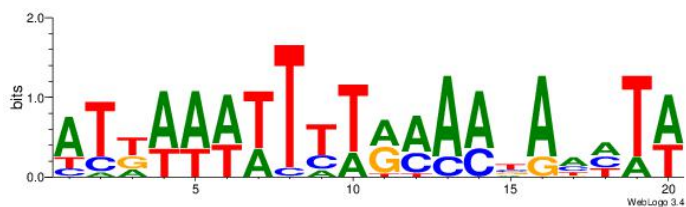


Dataset #: 5
Motif ID: 55
Motif name: TFM13
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 15
Similarity score: 2.55478

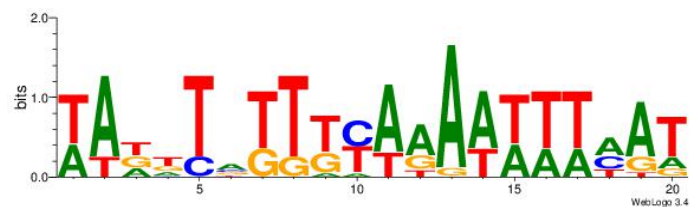
Alignment:

WAHHTVTTYKAAAATTRAT-----
-----MSGKKRCGCWDCABTGBCD

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT

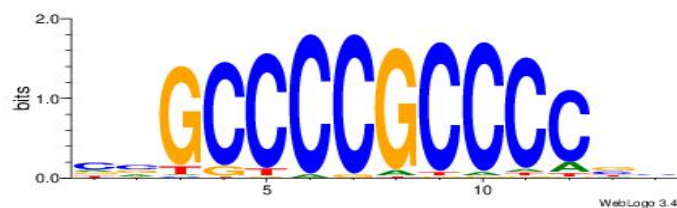


Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 3.0203

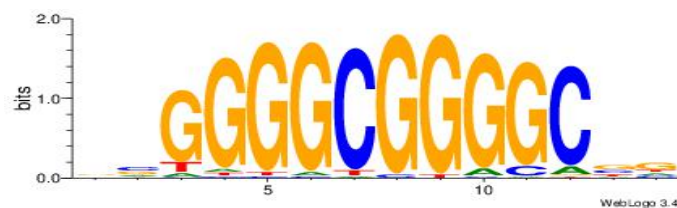
Alignment:

-----BBGGGGCGGGGCVD
 DGVBCABTGDWGCGRRCR

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC



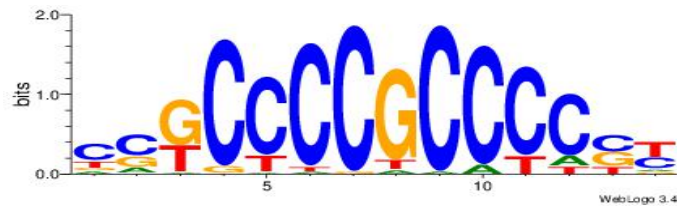
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14

Similarity score: 3.02361

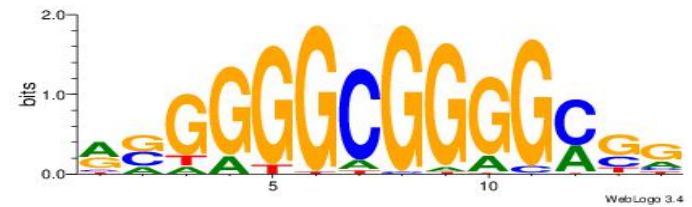
Alignment:

-----CSKCCCCGCCCSY
MSGKKRCGCWDCABTGBBCD

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGCGGGGY



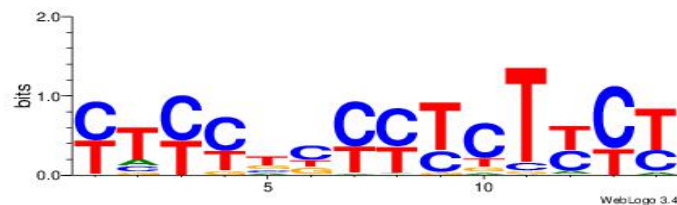
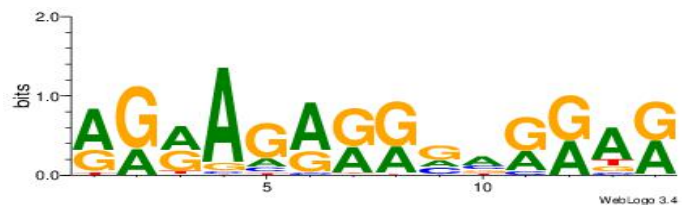
Dataset #: 2
Motif ID: 2
Motif name: Motif 2
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 3.02394

Alignment:

-----MTMMTCMMTCTKCK
MSGKKRCGCWDCABTGBBCD

Original motif Consensus sequence: RGRAGARRGARRAR

Reverse complement motif Consensus sequence: MTMMTCMMTCTKCK



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

Original motif Consensus sequence: YGCGTG



Reverse complement motif Consensus sequence: CACGCM



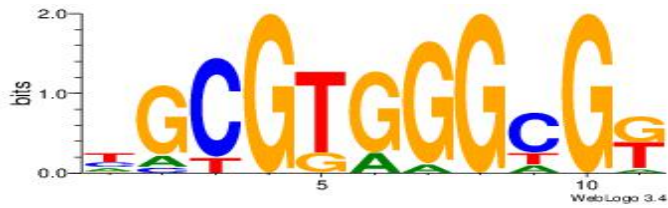
Best Matches for Motif ID 32 (Highest to Lowest)

Dataset #:	3
Motif ID:	23
Motif name:	Egr1
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	6
Similarity score:	0

Alignment:

```
YCGCCCACGCH
-----CACGCM
```

Original motif Consensus sequence: HCGTGCGGCGK



Reverse complement motif Consensus sequence: YCGCCACGCH



Dataset #: 3
Motif ID: 29
Motif name: HIF1AARNT
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 6
Similarity score: 0.0112447

Alignment:
VBACGTGV
-YCGGTG-

Original motif Consensus sequence: VBACGTGV



Reverse complement motif Consensus sequence: VCACGTBV



Dataset #: 3
 Motif ID: 33
 Motif name: Mycn
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 6
 Similarity score: 0.0377949

Alignment:

GCCACGTGSD
 --YGCGTG--

Original motif Consensus sequence: HSCACGTGGC



Reverse complement motif Consensus sequence: GCCACGTGSD



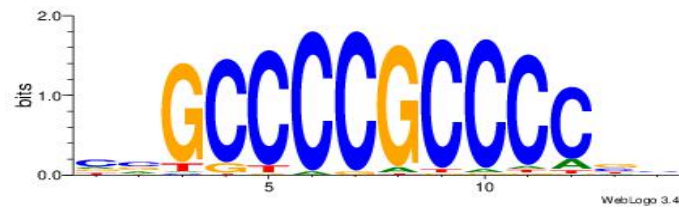
Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 6

Similarity score: 0.0396403

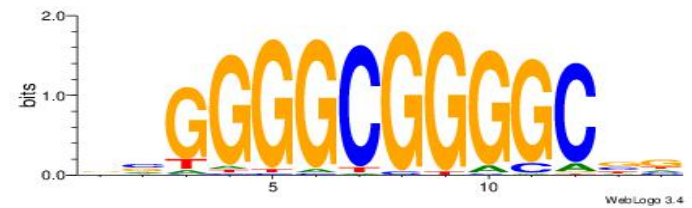
Alignment:

HVCCCCGCCCCBB
----CACGCM----

Original motif Consensus sequence: HVCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGCGGGGC



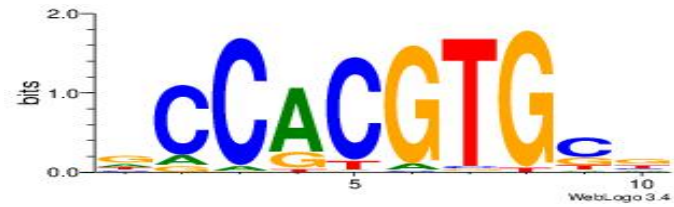
Dataset #: 3
Motif ID: 34
Motif name: Myc
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 3
Number of overlap: 6
Similarity score: 0.0399214

Alignment:

DCCACGTGCV
--YCCGTG--

Original motif Consensus sequence: VGCACGTGGH

Reverse complement motif Consensus sequence: DCCACGTGCV



Dataset #: 1
 Motif ID: 1
 Motif name: Motif 1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 6
 Similarity score: 0.040625

Alignment:
 GCCCGCC
 --CACGCM

Original motif Consensus sequence: GGCGGGGC



Reverse complement motif Consensus sequence: GCCCGGCC

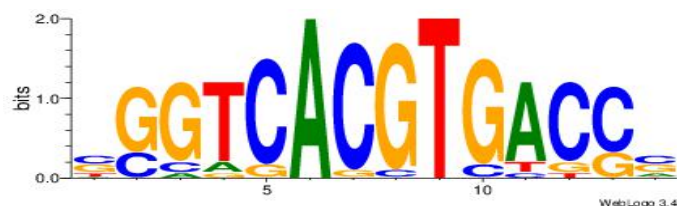


Dataset #: 4
 Motif ID: 42

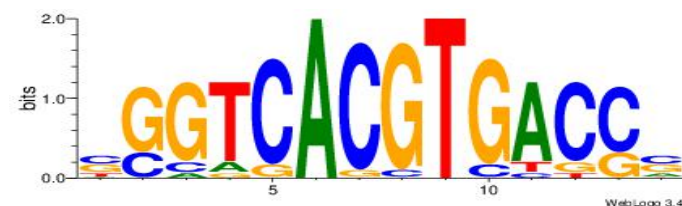
Motif name: sSGTCACGTGACSS
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 6
 Similarity score: 0.0412037

Alignment:
 SGGTCACGTGACCS
 ----YGCGTG----

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS

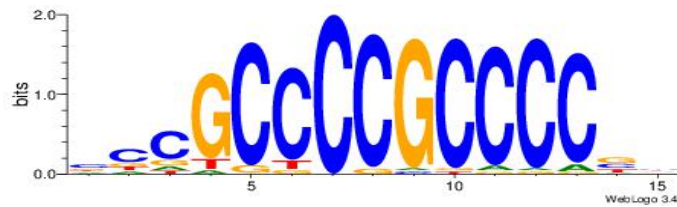


Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 6
 Similarity score: 0.0425089

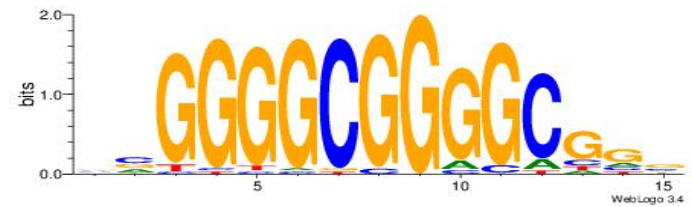
Alignment:

BCCGCCCCGCCCCBB
-----CACGCM-----

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence:
BBGGGGCGGGGCGGB



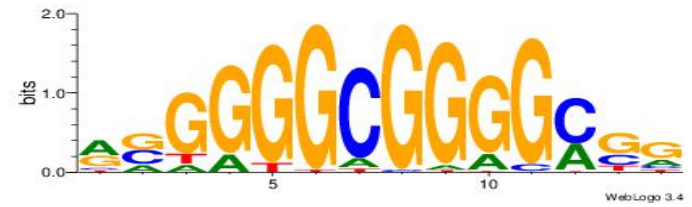
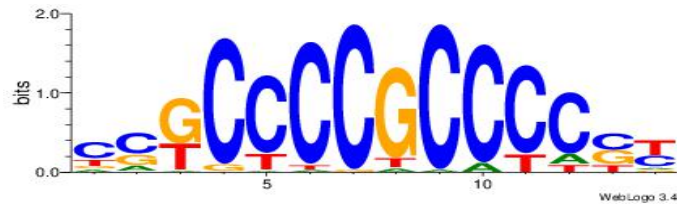
Dataset #:	2
Motif ID:	7
Motif name:	Motif 7
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	6
Similarity score:	0.0465867

Alignment:

MSGGGGCGGGGYSG
-----YGCGTG-----

Original motif Consensus sequence: CSKCCCCGCCCCSY

Reverse complement motif Consensus sequence: MSGGGGCGGGGY



Dataset #: 5
 Motif ID: 47
 Motif name: TFW2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 6
 Similarity score: 0.0469722

Alignment:
 SCGCGCGG
 -YGCGTG-

Original motif Consensus sequence: SCGCGCGG



Reverse complement motif Consensus sequence: CCGCGCGS

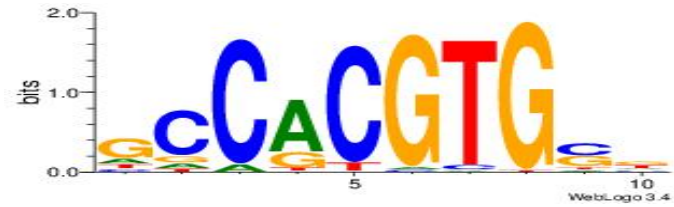


Dataset #: 3 Motif ID: 33 Motif name: Mycn

Original motif Consensus sequence: HSCACGTGGC



Reverse complement motif Consensus sequence: GCCACGTGSD



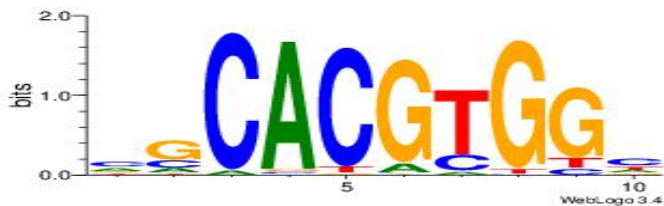
Best Matches for Motif ID 33 (Highest to Lowest)

Dataset #: 3
Motif ID: 34
Motif name: Myc
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 10
Similarity score: 0

Alignment:

DCCACGTGCV
GCCACGTGSD

Original motif Consensus sequence: VGCACGTGGH



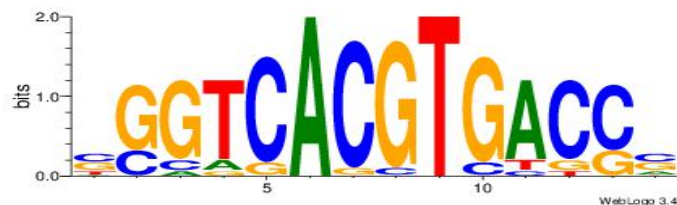
Reverse complement motif Consensus sequence: DCCACGTGCV



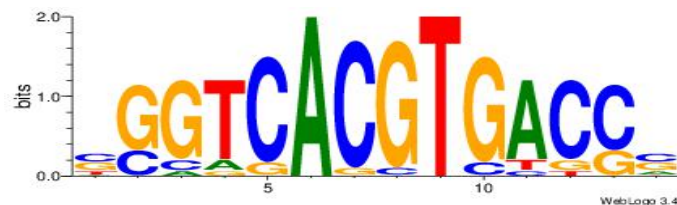
Dataset #: 4
 Motif ID: 42
 Motif name: sSGTCACGTGACSS
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0628441

Alignment:
 SGGTCACGTGACCS
 --HSCACGTGGC--

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS



Dataset #: 3
 Motif ID: 35
 Motif name: GABPA
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 10

Similarity score: 0.0884396

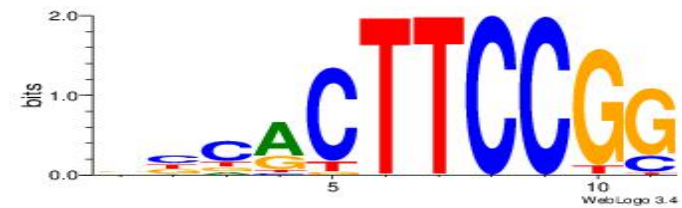
Alignment:

VVCACTTCCGG
GCCACGTGSD-

Original motif Consensus sequence: CCGGAAGTGVV



Reverse complement motif Consensus sequence: VVCACTTCCGG



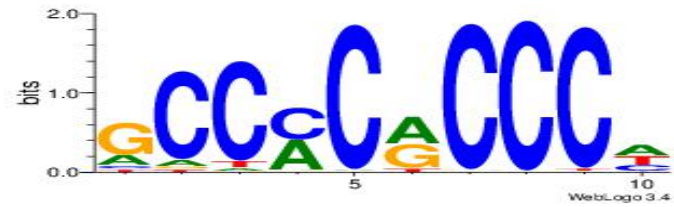
Dataset #: 3
Motif ID: 27
Motif name: Klf4
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 10
Similarity score: 0.0893272

Alignment:

DGGGYGKGGC
HSCACGTGGC

Original motif Consensus sequence: DGGGYGKGGC

Reverse complement motif Consensus sequence: GCCYCMCCCD



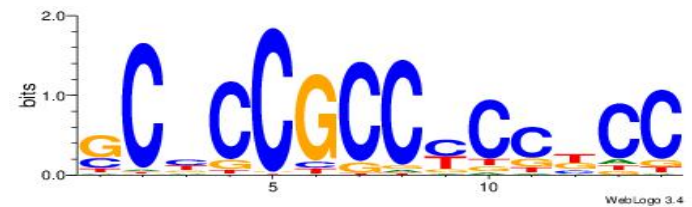
Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0895444

Alignment:
 GGMGGRGGCGGVGC
 --HSCACGTGGC--

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



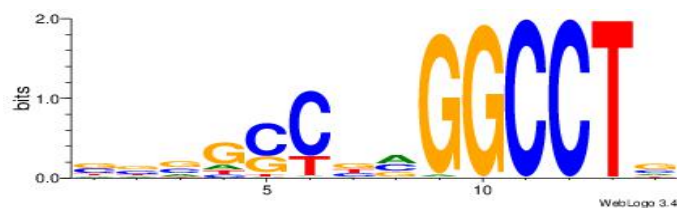
Dataset #: 3
 Motif ID: 22

Motif name: Zfx
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 4
 Number of overlap: 10
 Similarity score: 0.0899944

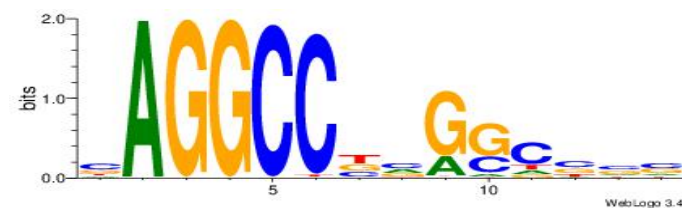
Alignment:

VAGGCCBBGGCVBB
 ---GCCACGTGSD-

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCVBB



Dataset #: 3
 Motif ID: 30
 Motif name: PLAG1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0921439

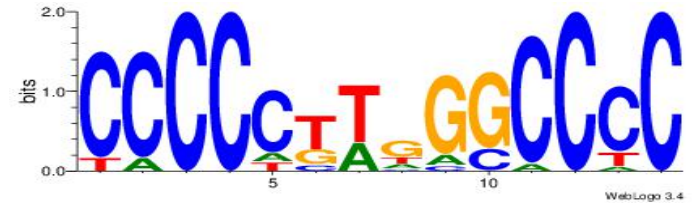
Alignment:

CCCCCTGGGCCCC
----HSCACGTGGC

Original motif Consensus sequence: GGGCCCAAGGGG



Reverse complement motif Consensus sequence: CCCCTTGGGCC



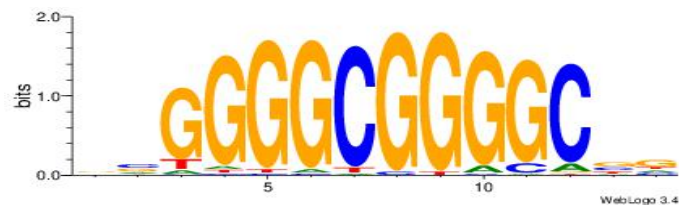
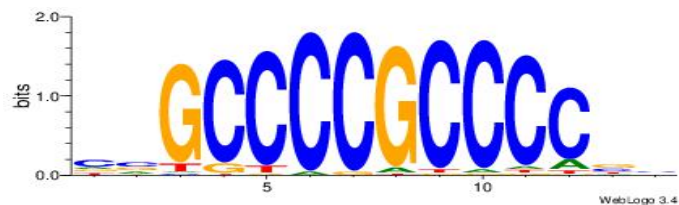
Dataset #: 4
Motif ID: 36
Motif name: csGCCCCGCCCCsc
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 10
Similarity score: 0.093472

Alignment:

HVCCCCGCCCCBB
--GCCACGTGSD--

Original motif Consensus sequence: HVCCCCGCCCCBB

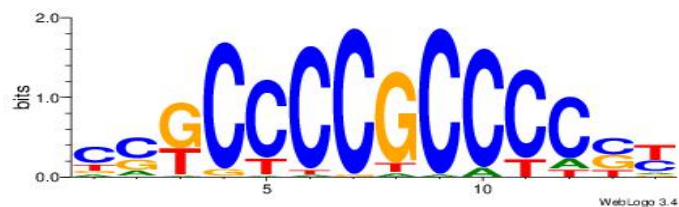
Reverse complement motif Consensus sequence: BBGGGGCGGGGC



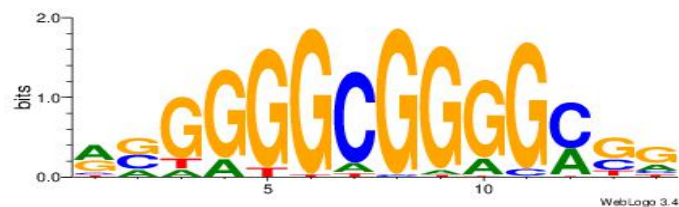
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0964516

Alignment:
 MSGGGGCGGGYSG
 --HSCACGTGGC--

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGY

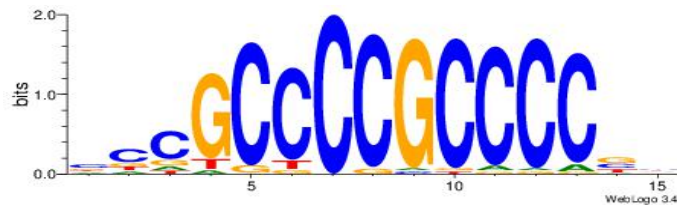


Dataset #: 4
 Motif ID: 38

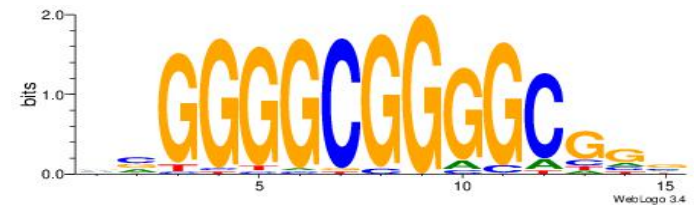
Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0979367

Alignment:
 BCCGCCCCGCCCCBB
 ---GCCACGTGSD--

Original motif Consensus sequence: BCCGCCCCGCCCCBB

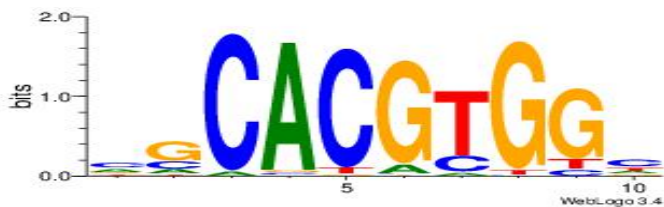


Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB



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

Original motif Consensus sequence: VGCACGTGGH



Reverse complement motif Consensus sequence: DCCACGTGCV



Best Matches for Motif ID 34 (Highest to Lowest)

Dataset #: 3
Motif ID: 33
Motif name: Mycn
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 10
Similarity score: 0

Alignment:

HSCACGTGGC

VGCACGTGGH

Original motif Consensus sequence: HSCACGTGGC



Reverse complement motif Consensus sequence: GCCACGTGSD

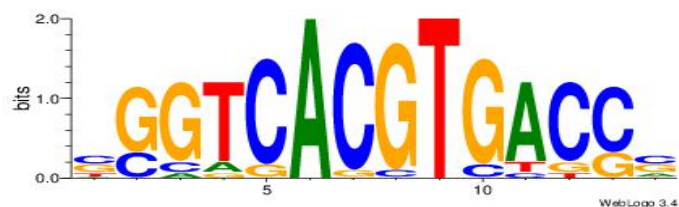


Dataset #: 4
Motif ID: 42
Motif name: sSGTCACGTGACsS
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif

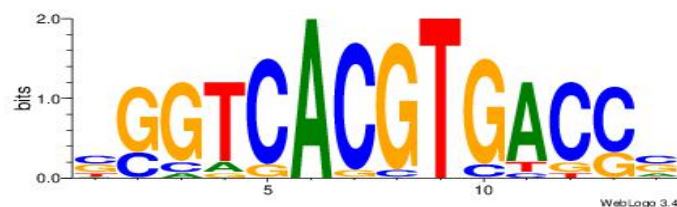
Direction: Backward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0646601

Alignment:
 SGGTCACGTGACCS
 --DCCACGTGCV--

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS



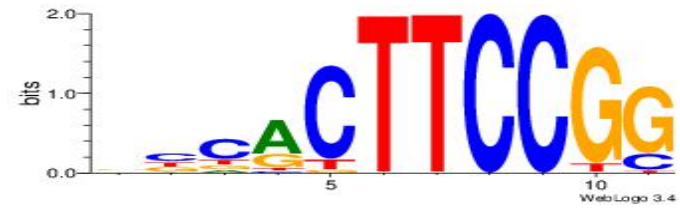
Dataset #: 3
 Motif ID: 35
 Motif name: GABPA
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.0840341

Alignment:
 VVCACTTCCGG
 DCCACGTGCV-

Original motif Consensus sequence: CCGGAAGTGVV



Reverse complement motif Consensus sequence: VVCACTTCGG



Dataset #: 5
Motif ID: 50
Motif name: TFF11
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 10
Similarity score: 0.0851555

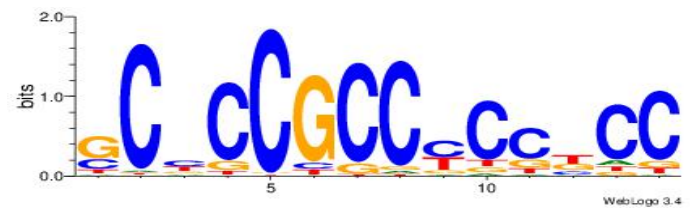
Alignment:

GGMGRRGGCGGVGC
--VGCACGTGGH--

Original motif Consensus sequence: GGMGRRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC

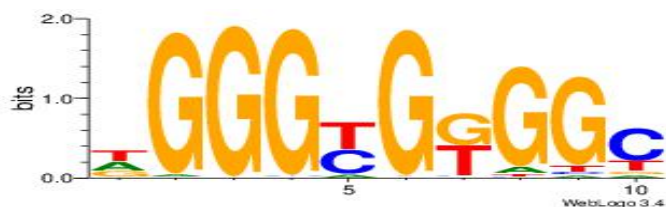


Dataset #: 3
 Motif ID: 27
 Motif name: Klf4
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0883745

Alignment:

DGGGYGKGGC
 VGCACGTGGH

Original motif Consensus sequence: DGGGYGKGGC



Reverse complement motif Consensus sequence: GCCYCMCCCD



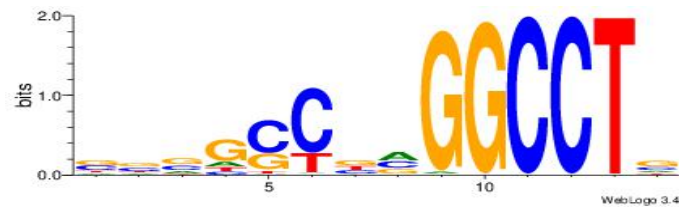
Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 10

Similarity score: 0.0925451

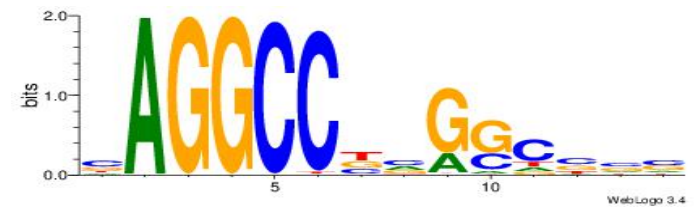
Alignment:

VAGGCCBBGGCVBB
---DCCACGTGCV-

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCVBB



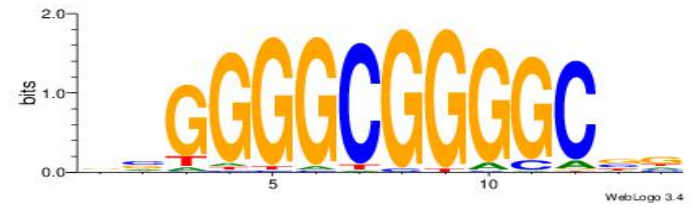
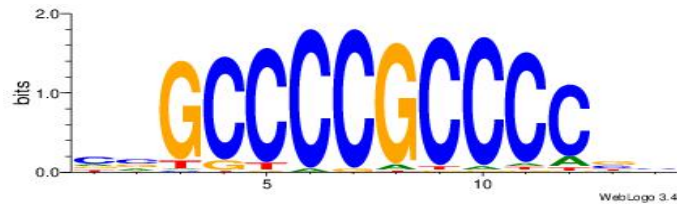
Dataset #: 4
Motif ID: 36
Motif name: csGCCCCGCCCCsc
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 10
Similarity score: 0.0928504

Alignment:

HVCCCCGCCCCBB
--DCCACGTGCV--

Original motif Consensus sequence: HVCCCCGCCCCBB

Reverse complement motif Consensus sequence: BBGGGCGGGGC



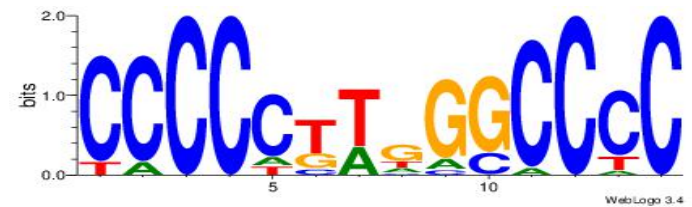
Dataset #: 3
 Motif ID: 30
 Motif name: PLAG1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0930375

Alignment:
 CCCCCTGGGCCCC
 ----VGCACGTGGH

Original motif Consensus sequence: GGGGCCAAGGGG



Reverse complement motif Consensus sequence: CCCCCTGGGCCCC



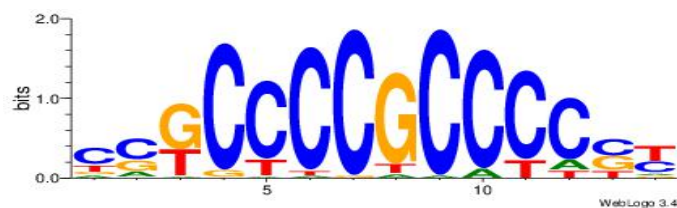
Dataset #: 2
 Motif ID: 7

Motif name:	Motif 7
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	10
Similarity score:	0.0941376

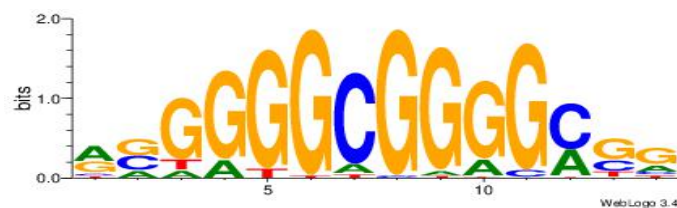
Alignment:

```
MSGGGGCGGGGYSG
--VGCACGTGGH--
```

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGGY



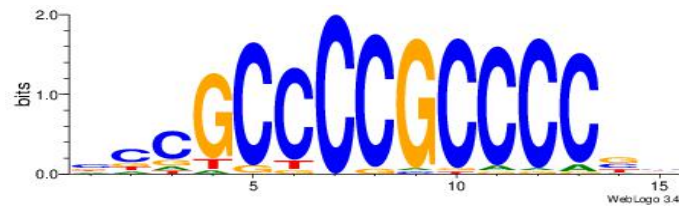
Dataset #:	4
Motif ID:	38
Motif name:	cccGCCCCGCCCSb
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	10
Similarity score:	0.0974172

Alignment:

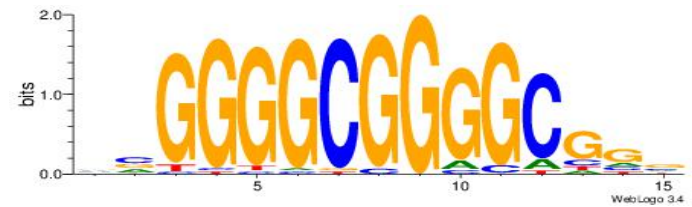
BCCGCCCCGCCCCBB

---DCCACGTGCV--

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

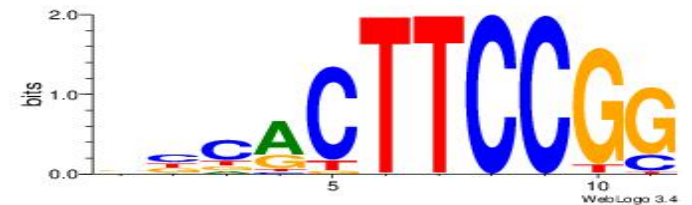


Dataset #: 3 Motif ID: 35 Motif name: GABPA

Original motif Consensus sequence: CCGGAAGTGVV



Reverse complement motif Consensus sequence: VVCACTTCGG



Best Matches for Motif ID 35 (Highest to Lowest)

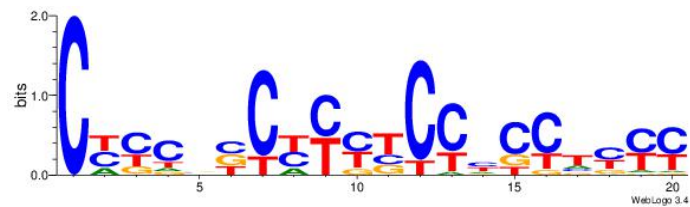
Dataset #:	5
Motif ID:	54
Motif name:	TFM12
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward

Position number: 5
Number of overlap: 11
Similarity score: 0.0360984

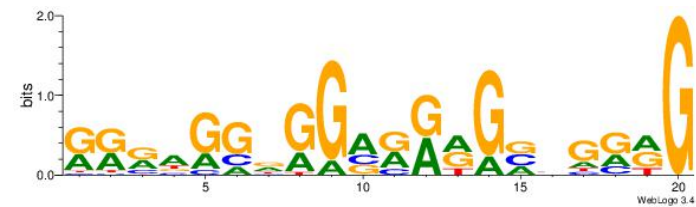
Alignment:

CYYCBBCYYYYTCCHCCTYYY
----VVCACTTCCGG-----

Original motif Consensus sequence: CYYCBBCYYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG

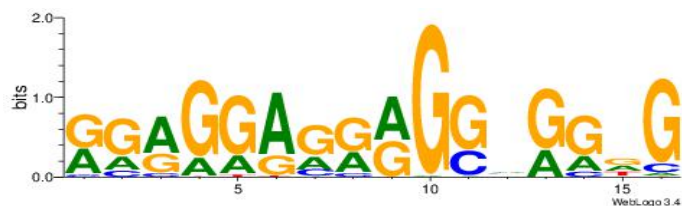


Dataset #: 5
Motif ID: 51
Motif name: TFM2
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 11
Similarity score: 0.0445566

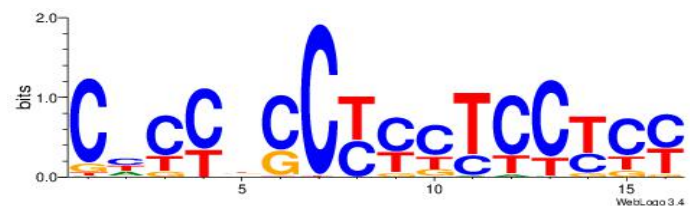
Alignment:

RGRGGAGRRGGHGGDG
-CCGGAAGTGVV-----

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCCKMCTCCKCM

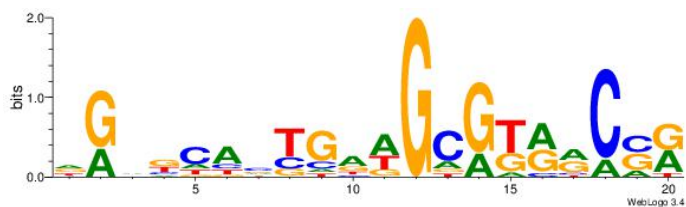


Dataset #: 3
Motif ID: 31
Motif name: Pax5
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 8
Number of overlap: 11
Similarity score: 0.0446257

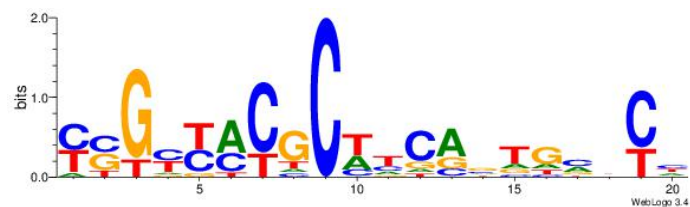
Alignment:

```
DGVBCABTGDWGCGRRCR  
-----VVCACTTCCGG--
```

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD

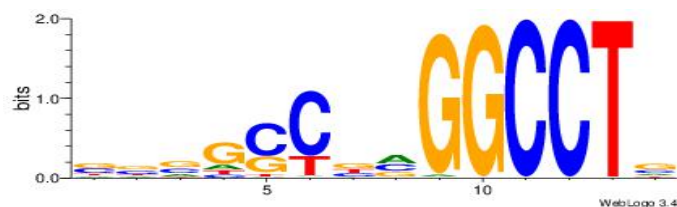


Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0457327

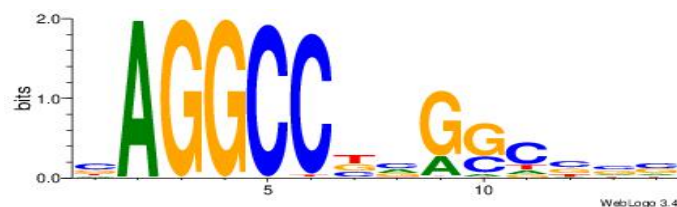
Alignment:

BBVGCCBVGGCCTV
 VVCACTTCCGG---

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCV



Dataset #: 4
 Motif ID: 40
 Motif name: kcACCTGCAGc
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11

Similarity score: 0.0483841

Alignment:

BCACCTGCABC
VVCACTTCCGG

Original motif Consensus sequence: BCACCTGCABC



Reverse complement motif Consensus sequence: GBTGCAGGTGB



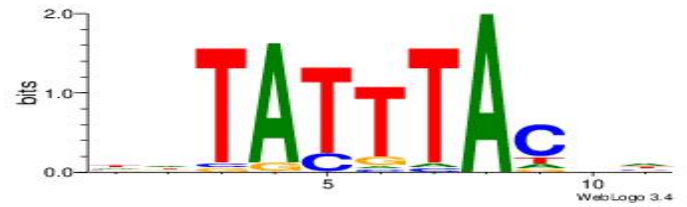
Dataset #: 4
Motif ID: 45
Motif name: wbgTAAATAww
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0492127

Alignment:

DBGTAAATAHD
CCGGAAGTGVV

Original motif Consensus sequence: DBGTAAATAHD

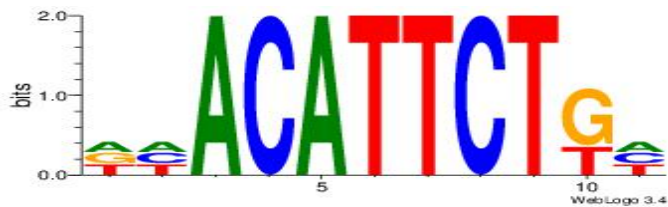
Reverse complement motif Consensus sequence: DHTATTTACBD



Dataset #: 4
 Motif ID: 44
 Motif name: dhACATTCTkh
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0495154

Alignment:
 DHACATTCTGH
 VVCACTTCCGG

Original motif Consensus sequence: DHACATTCTGH



Reverse complement motif Consensus sequence: HCAGAATGTHD



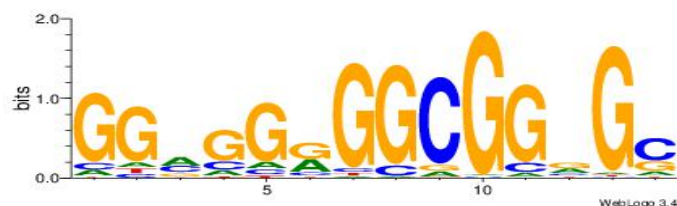
Dataset #: 5
 Motif ID: 50

Motif name: TFF11
 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: 0.0504656

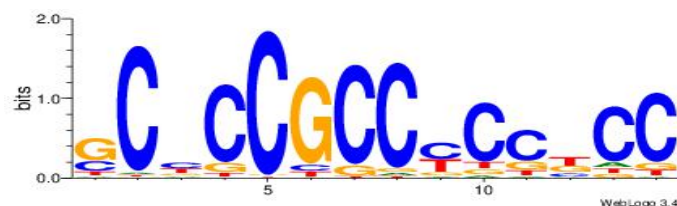
Alignment:

GGMGGRGGCGGVGC
 -CCGGAAGTGVV--

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0518418

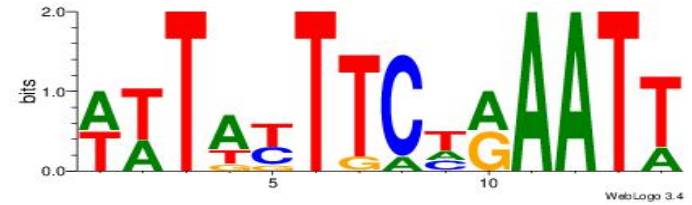
Alignment:

AATTYDGAARTAWW
---CCGGAAGTGVV

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAT



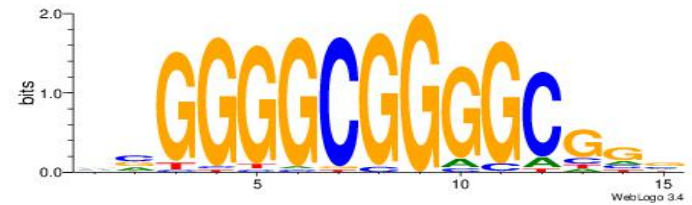
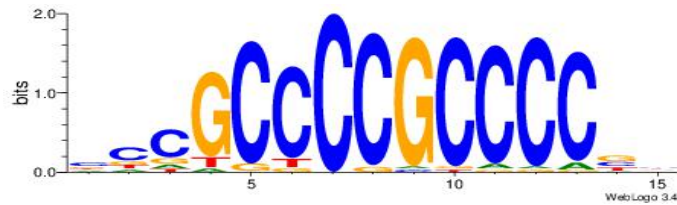
Dataset #: 4
Motif ID: 38
Motif name: cccGCCCCGCCCCsb
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 2
Number of overlap: 11
Similarity score: 0.0554249

Alignment:

BCCGCCCCGCCCCBB
---VVC ACTTCCGG-

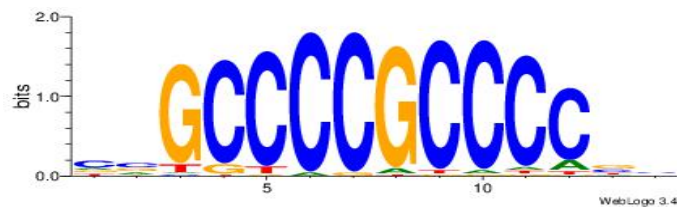
Original motif Consensus sequence: BCCGCCCCGCCCCBB

Reverse complement motif Consensus sequence:
BBGGGGCGGGGCGGB

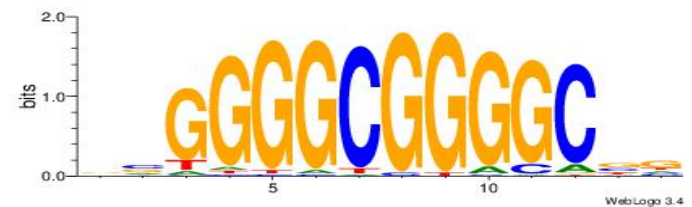


Dataset #: 4 Motif ID: 36 Motif name: csGCCCCGCCCCsc

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGCGGGGCGGB

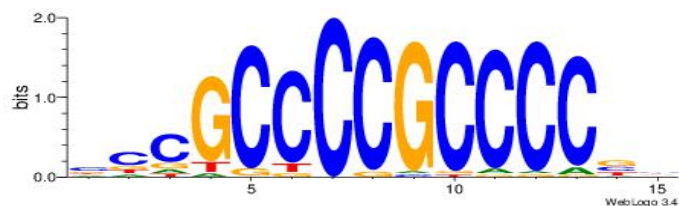


Best Matches for Motif ID 36 (Highest to Lowest)

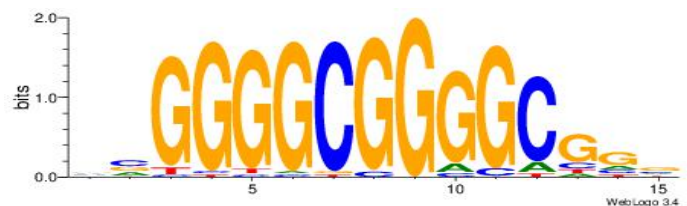
Dataset #:	4
Motif ID:	38
Motif name:	cccGCCCCGCCCCsb
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0

Alignment:
 BBGGGCGGGGCGGB
 BBGGGCGGGCVD-

Original motif Consensus sequence: BCGCCCCGCCCB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

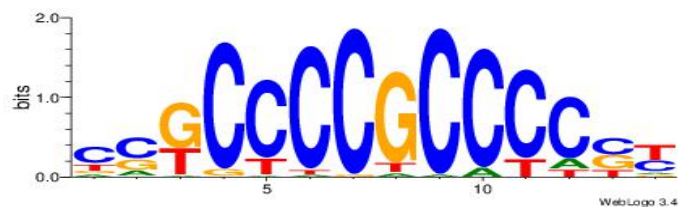


Dataset #: 2
Motif ID: 7
Motif name: Motif 7
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0117332

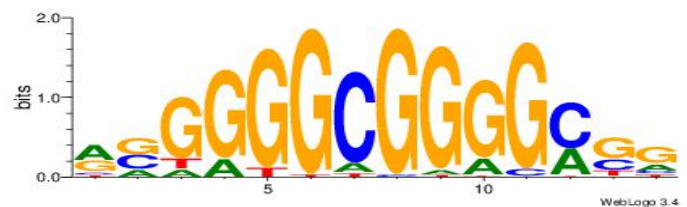
Alignment:

CSKCCCCGCCCSY
HVGCCCCGCCCB

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGCGGGGY



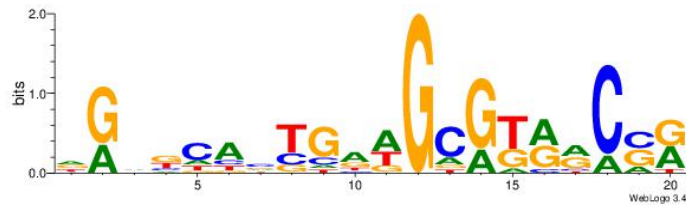
Dataset #: 3
 Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0747029

Alignment:

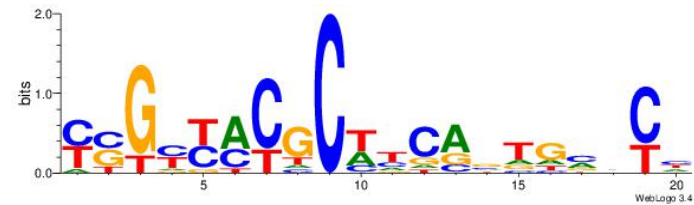
```

MSGKKRCGCWDCABTGBBCD
-----HVGCCCGCCCCBB
  
```

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD



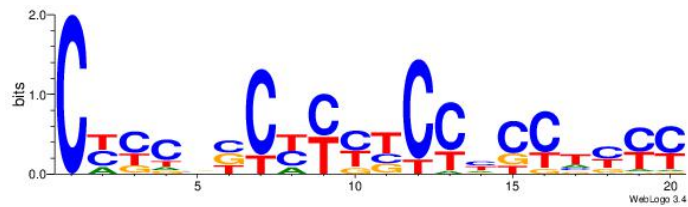
Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4

Number of overlap: 14
Similarity score: 0.0777991

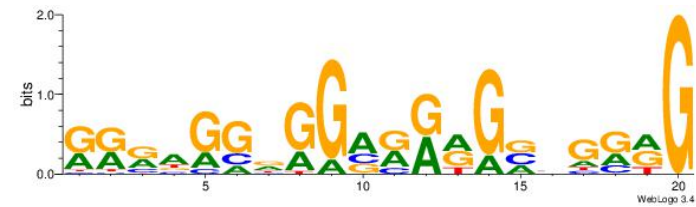
Alignment:

CYYCBBCYYYYTCCHCCTYYY
---HVGCCCCGCCCB---

Original motif Consensus sequence: CYYCBBCYYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG

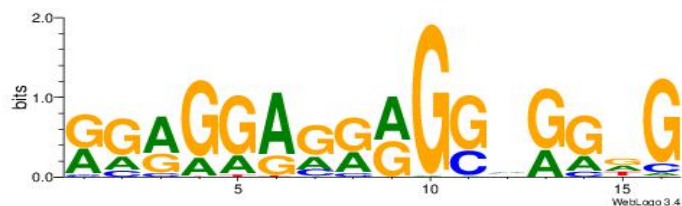


Dataset #: 5
Motif ID: 51
Motif name: TFM2
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 14
Similarity score: 0.0880609

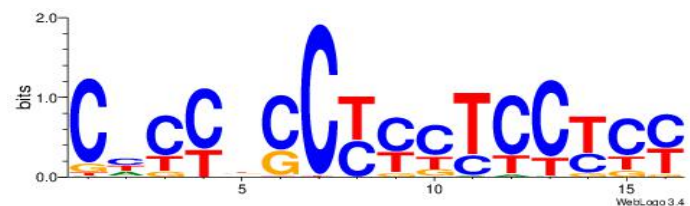
Alignment:

RGRGGAGRRGGHGGDG
BBGGGGCGGGCVD--

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCCKMCTCCKCM

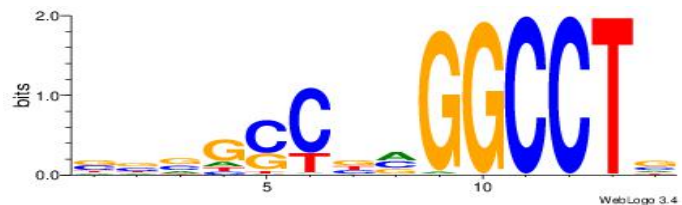


Dataset #: 3
Motif ID: 22
Motif name: Zfx
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0884848

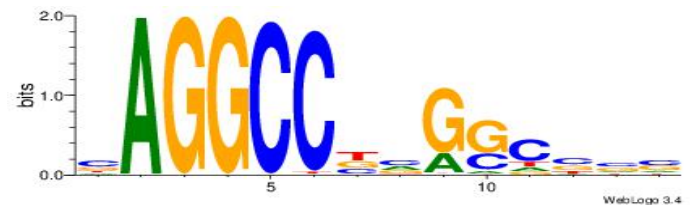
Alignment:

BBVGCCBVGGCCTV
BBGGGGCGGGGCVD

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCV



Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 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: 0.0937271

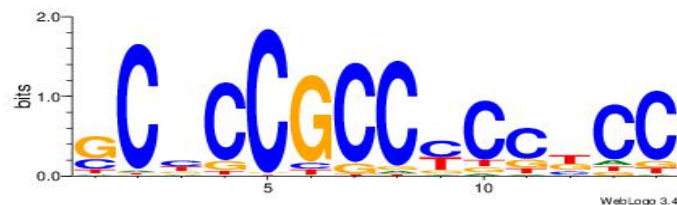
Alignment:

GCVCCGCCMCCYCC
 HVGCCCCGCCCCBB

Original motif Consensus sequence: GGMGRRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC



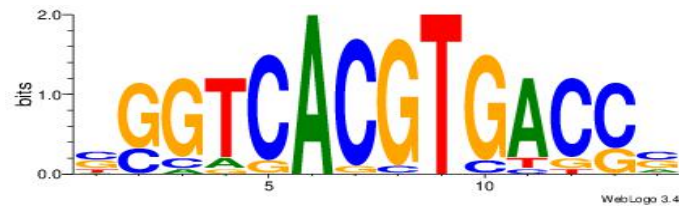
Dataset #: 4
 Motif ID: 42
 Motif name: sSGTCACGTGACSS
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14

Similarity score: 0.0971132

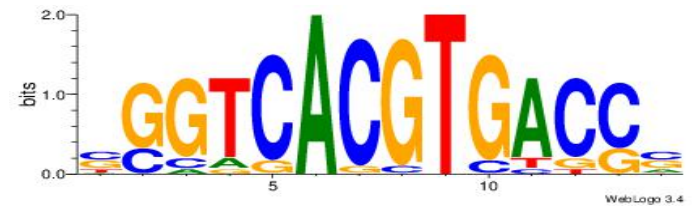
Alignment:

SGGTCACGTGACCS
HVGCCCCGCCCCBB

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS



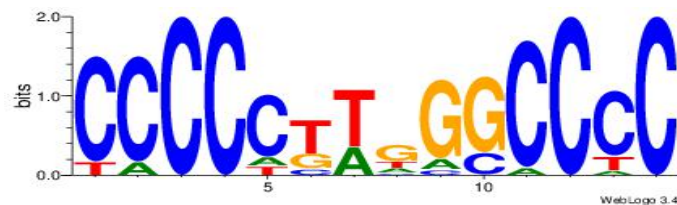
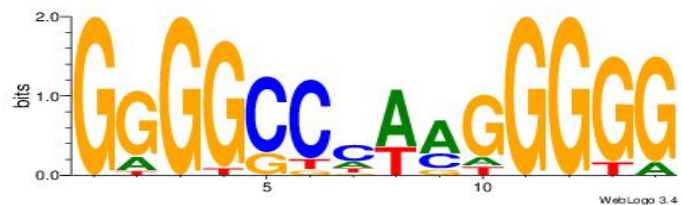
Dataset #: 3
Motif ID: 30
Motif name: PLAG1
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 13
Similarity score: 0.609319

Alignment:

GGGGCCCAAGGGG-
-BBGGGCGGGGCVD

Original motif Consensus sequence: GGGGCCCAAGGGG

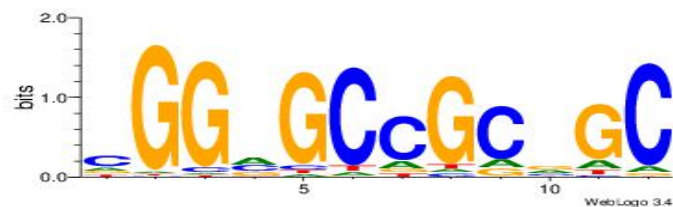
Reverse complement motif Consensus sequence: CCCCTTGGGCC



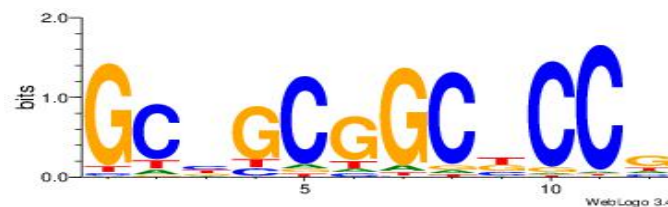
Dataset #: 5
 Motif ID: 49
 Motif name: TFF1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 1.08016

Alignment:
 CGGVGCCGCVGC--
 HVGCCCGCCCB

Original motif Consensus sequence: CGGVGCCGCVGC

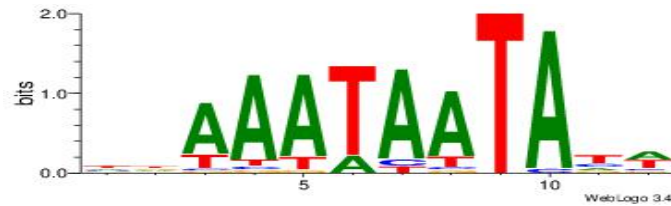


Reverse complement motif Consensus sequence: GCVGCCGCBCCG

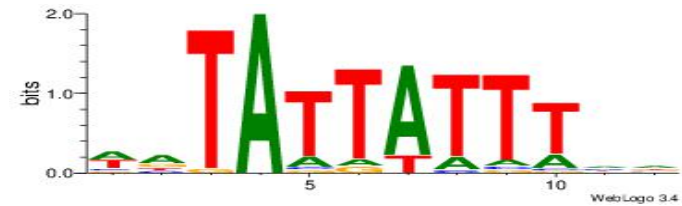


Dataset #: 4 Motif ID: 37 Motif name: tkAAATAATatw

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH



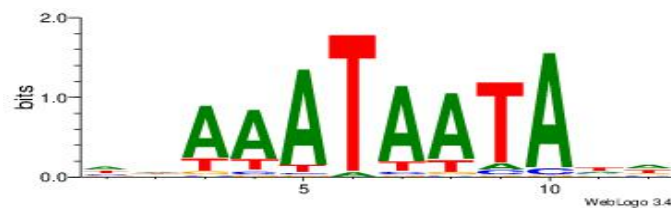
Best Matches for Motif ID 37 (Highest to Lowest)

Dataset #:	4
Motif ID:	41
Motif name:	wwAAATAATAtw
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	12
Similarity score:	0

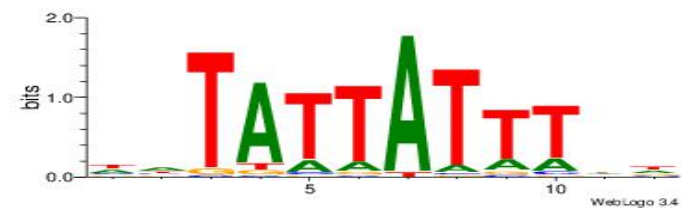
Alignment:

```
HDAAATAATADD  
HDAAATAATAHW
```

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH

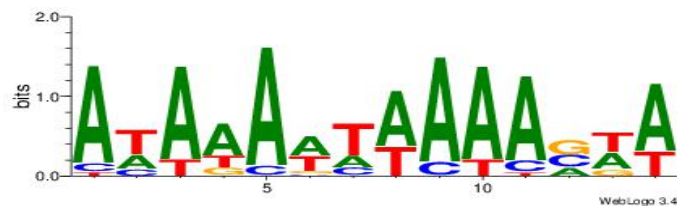


Dataset #: 2
 Motif ID: 3
 Motif name: Motif 3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0522317

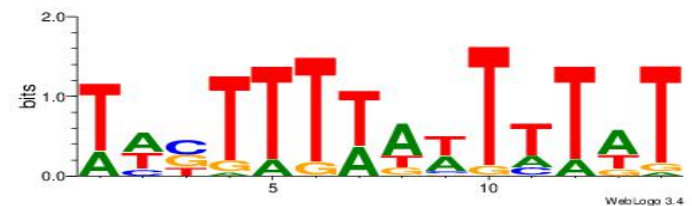
Alignment:

TWSTTTWAWTTTWT
 -WHTATTATTTDH-

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTTWT



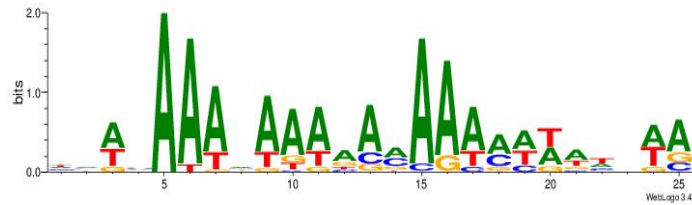
Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 12
 Number of overlap: 12

Similarity score: 0.0590505

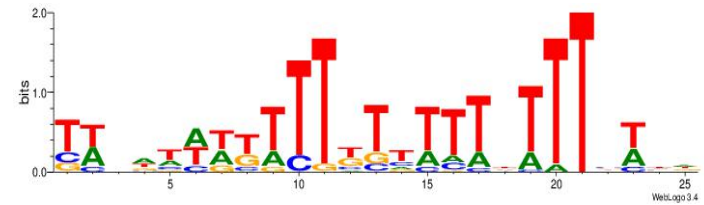
Alignment:

TWVHWWYTTTYTTTTHTTTVWBH
-----WHTATTATTTDH--

Original motif Consensus sequence:
HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
TWVHWWYTTTYTTTTHTTTVWBH



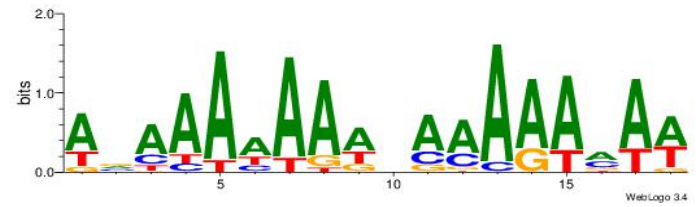
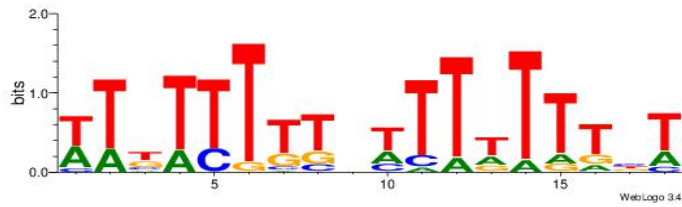
Dataset #: 5
Motif ID: 52
Motif name: TFM1
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 12
Similarity score: 0.0637702

Alignment:

ABAAAAAWhAAAAARAW
HDAAATAATAHW-----

Original motif Consensus sequence: WTKTTTTTHWTTTTTTTBT

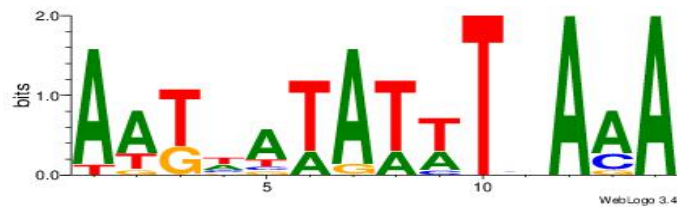
Reverse complement motif Consensus sequence:
ABAAAAAWhAAAAARAW



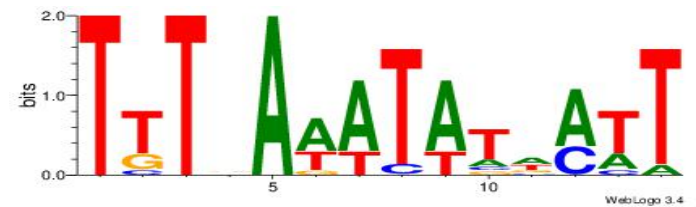
Dataset #: 2
 Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0641975

Alignment:
 AATHATATWTHAAA
 --WHTATTATTTDH

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT



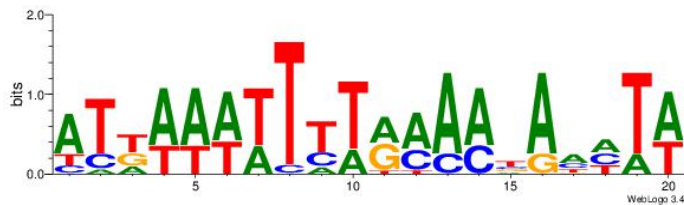
Dataset #: 5
 Motif ID: 55

Motif name: TFM13
 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: 0.0704475

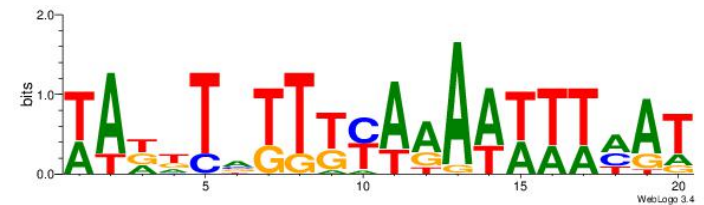
Alignment:

ATKAAWTTTTRMAABAHHTW
 WHTATTATTTDH-----

Original motif Consensus sequence: ATKAAWTTTTRMAABAHHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT

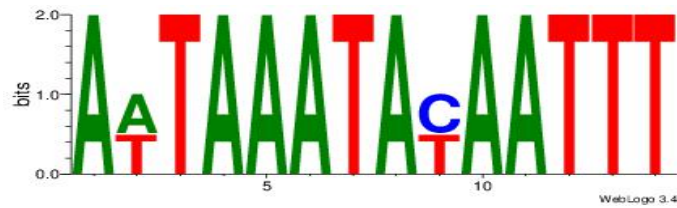


Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0704475

Alignment:

AAATTKTATTTAWT
-WHTATTATTTDH-

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAWT



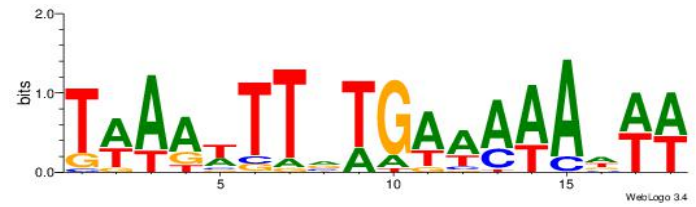
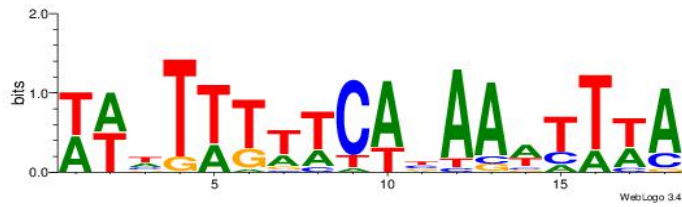
Dataset #: 5
Motif ID: 53
Motif name: TFM3
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 12
Similarity score: 0.0763819

Alignment:

WWHTTTTTTCABAAWTTWA
-----WHTATTATTTDH

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA

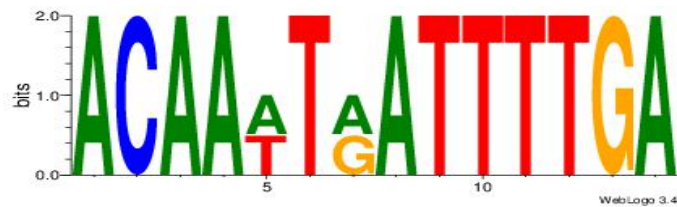
Reverse complement motif Consensus sequence:
TAAAWTTVTGAAAAHWW



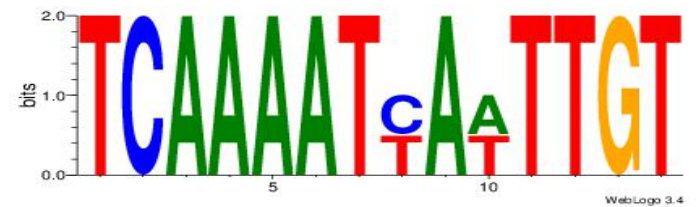
Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0864198

Alignment:
 TCAAAATKAWTTGT
 --WHTATTATTTDH

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTG



Dataset #: 2
 Motif ID: 6

Motif name: Motif 6
 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: 0.09076

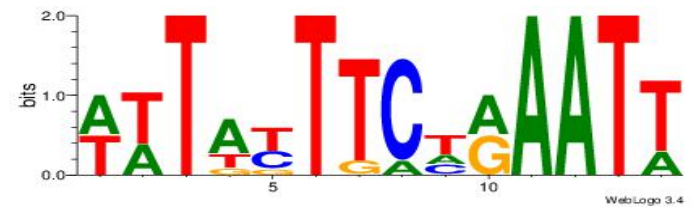
Alignment:

WWTAKTTCDKAATT
 WHTATTATTTDH--

Original motif Consensus sequence: AATTYDGAARTAWW

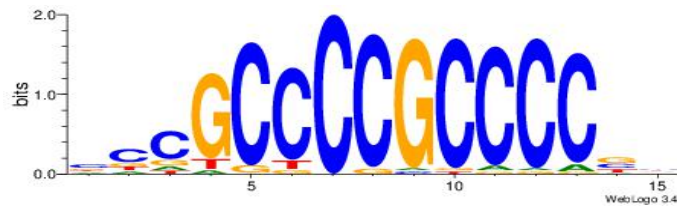


Reverse complement motif Consensus sequence: WWTAKTTCDKAATT

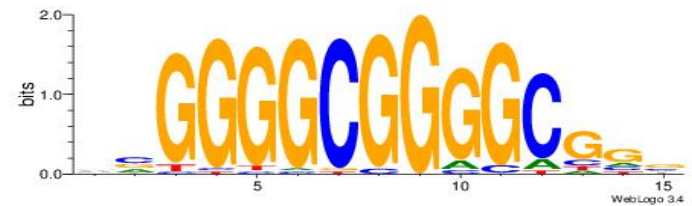


Dataset #: 4 Motif ID: 38 Motif name: cccGCCCGCCCCsb

Original motif Consensus sequence: BCCGCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB



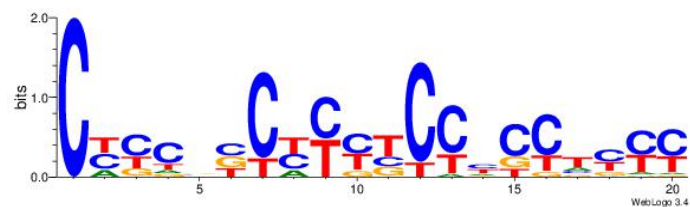
Best Matches for Motif ID 38 (Highest to Lowest)

Dataset #: 5
Motif ID: 54
Motif name: TFM12
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: 0.0773345

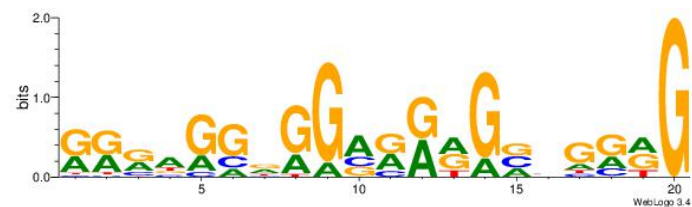
Alignment:

```
CYYCBBCYYYTCCHCCTYYY  
--BCCGCCCGCCCCBB---
```

Original motif Consensus sequence: CYYCBBCYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG

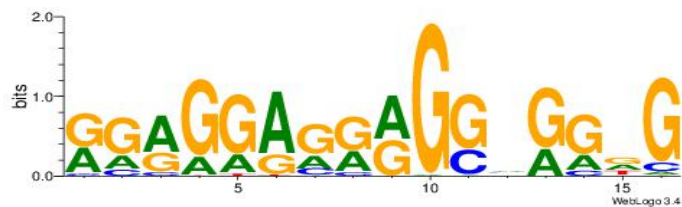


Dataset #: 5
Motif ID: 51
Motif name: TFM2
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif

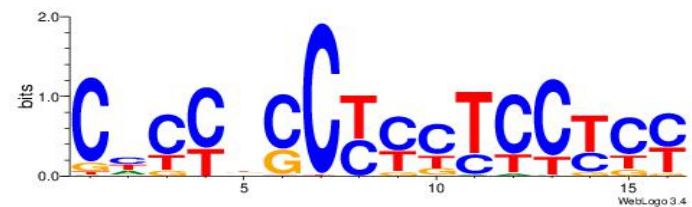
Direction: Forward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0869149

Alignment:
 RGRGGAGRRGGHGGDG
 BBGGGGCGGGGCGGB-

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



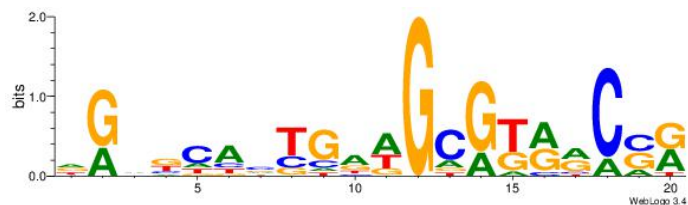
Reverse complement motif Consensus sequence: CHCCBCKMCTCCKCM



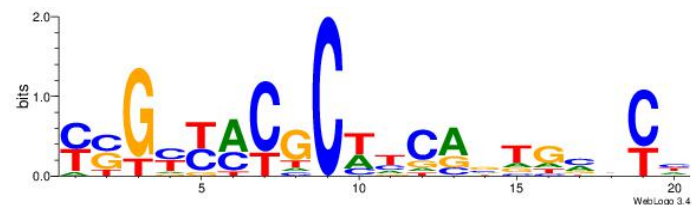
Dataset #: 3
 Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.0992376

Alignment:
 MSGKKRCGCWDCABTGBBCD
 BBGGGGCGGGGCGGB-----

Original motif Consensus sequence: DGVBCABTGDWGCGRRCRCSR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD

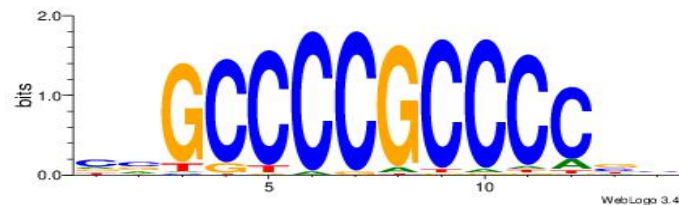


Dataset #: 4
Motif ID: 36
Motif name: csGCCCCGCCCCsc
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0.5

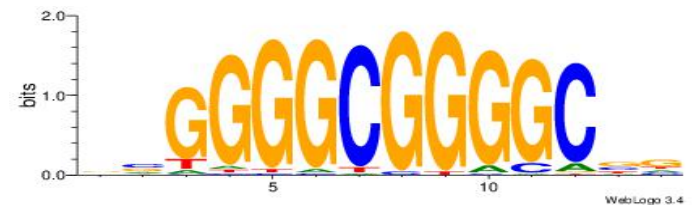
Alignment:

-HVGCCCCGCCCCBB
BCCGCCCCGCCCCBB

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC

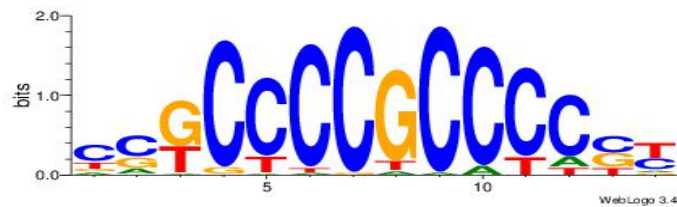


Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.513015

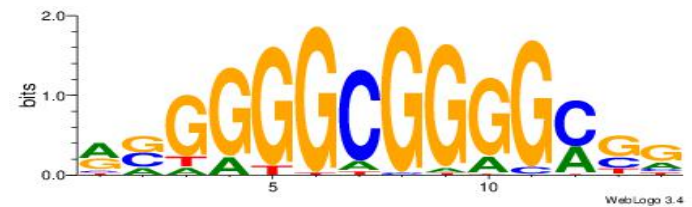
Alignment:

-CSKCCCCGCCCCSY
 BCCGCCCCGCCCCBB

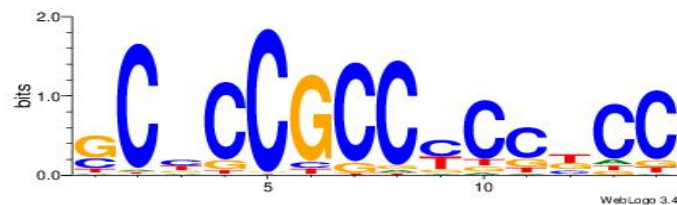
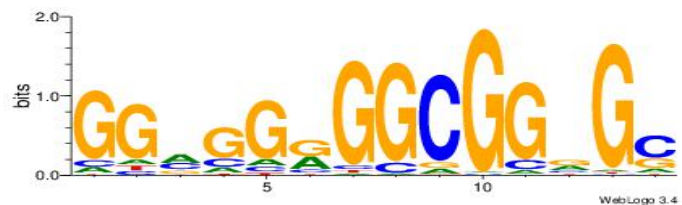
Original motif Consensus sequence: CSKCCCCGCCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGGY



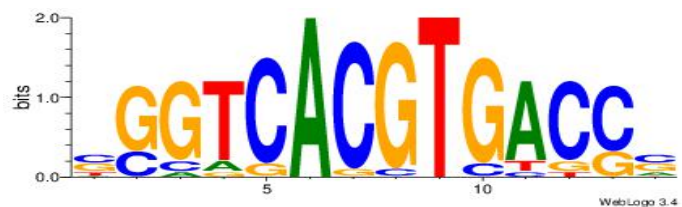
Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14



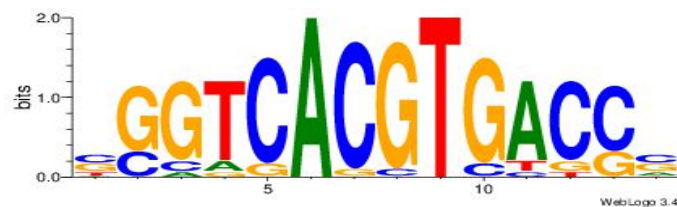
Dataset #: 4
 Motif ID: 42
 Motif name: sSGTCACGTGACCS
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.601399

Alignment:
 SGGTCACGTGACCS-
 BBGGGGCGGGGCGGB

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS



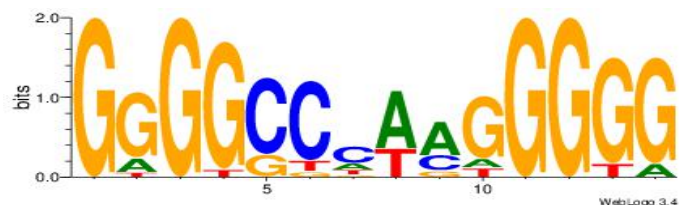
Dataset #: 3
 Motif ID: 30

Motif name: PLAG1
 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: 0.604586

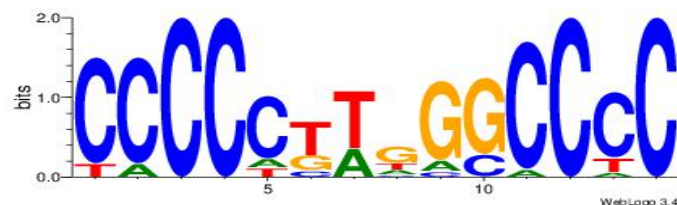
Alignment:

GGGGCCCAAGGGG-
 BBGGGGCGGGCGGB

Original motif Consensus sequence: GGGGCCCAAGGGG



Reverse complement motif Consensus sequence: CCCCCTTGGGCC

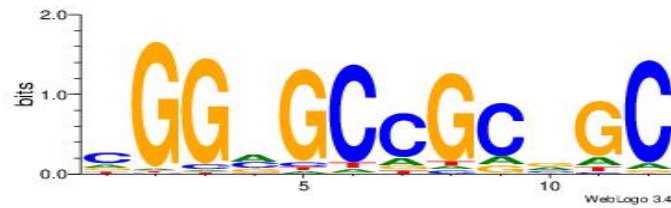


Dataset #: 5
 Motif ID: 49
 Motif name: TFF1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 1.58073

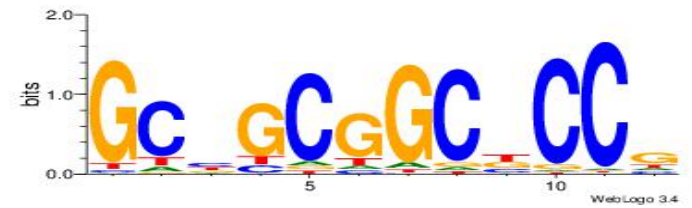
Alignment:

---GCVGCGGCBCCG
BCCGCCCCGCCCCBB

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGCGGCBCCG



Dataset #: 4 Motif ID: 39 Motif name: kCAGCCAATmr

Original motif Consensus sequence: DCAGCCAATVR



Reverse complement motif Consensus sequence: MBATTGGCTGH



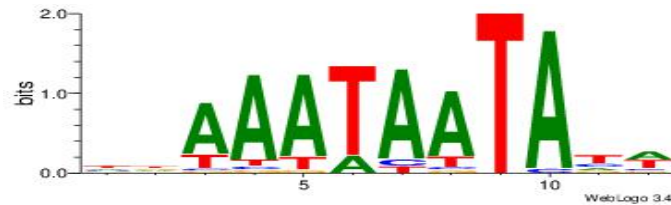
Best Matches for Motif ID 39 (Highest to Lowest)

Dataset #:	4
Motif ID:	37
Motif name:	tkAAATAATAtw
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2

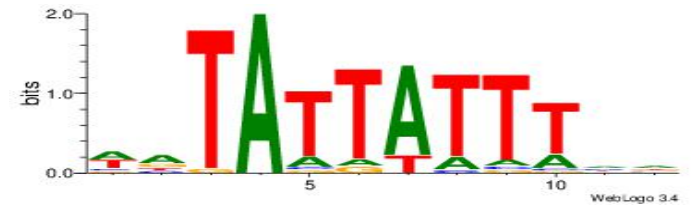
Number of overlap: 11
Similarity score: 0.0559269

Alignment:
WHTATTATTTDH
-MBATTGGCTGH

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH

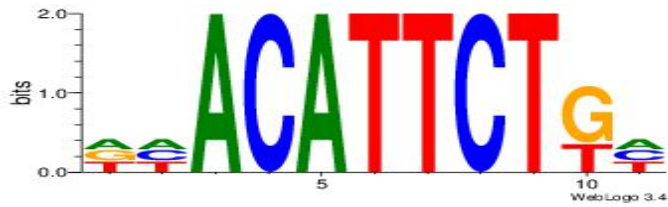


Dataset #: 4
Motif ID: 44
Motif name: dhACATTCTkh
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0588235

Alignment:
HCAGAATGTHD
DCAGCCAATVR

Original motif Consensus sequence: DHACATTCTGH

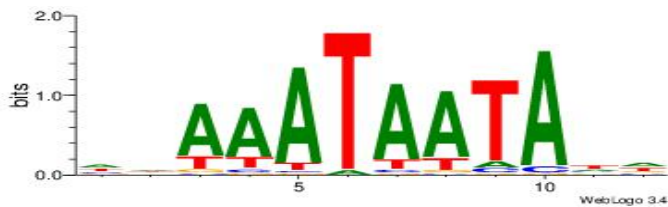
Reverse complement motif Consensus sequence: HCAGAATGTHD



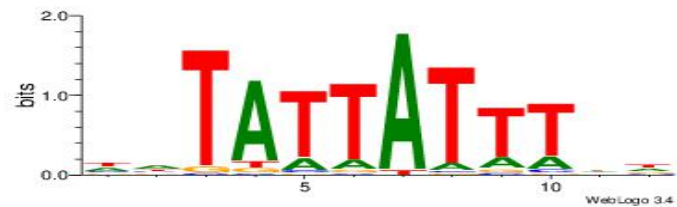
Dataset #: 4
 Motif ID: 41
 Motif name: wwAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0597643

Alignment:
 DDTATTATTTDH
 -MBATTGGCTGH

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH



Dataset #: 4
 Motif ID: 40

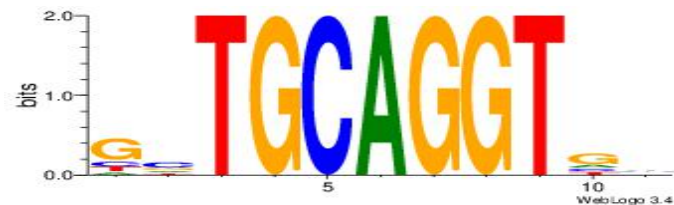
Motif name: kcACCTGCAGc
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0599548

Alignment:
 BCACCTGCABC
 MBATTGGCTGH

Original motif Consensus sequence: BCACCTGCABC



Reverse complement motif Consensus sequence: GBTGCAGGTGB

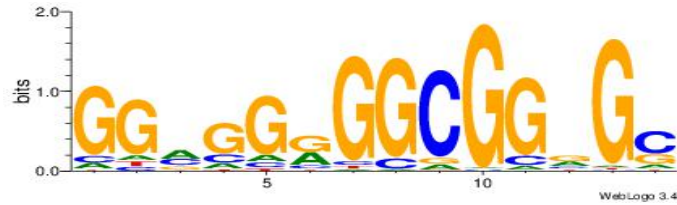


Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0614719

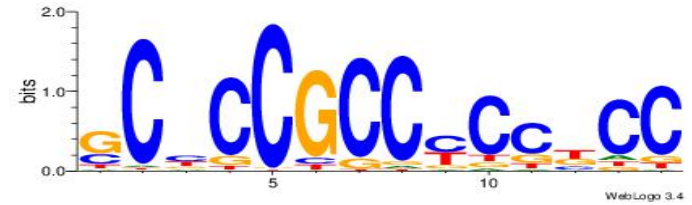
Alignment:

GCVCCGCCMCCYCC
--DCAGCCAATVR-

Original motif Consensus sequence: GGMGRRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC



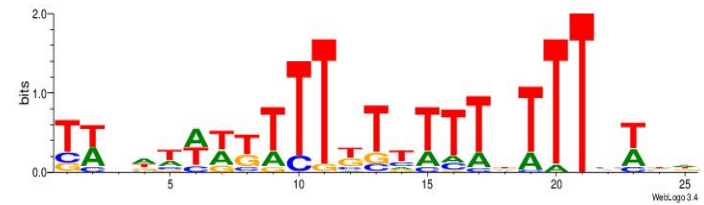
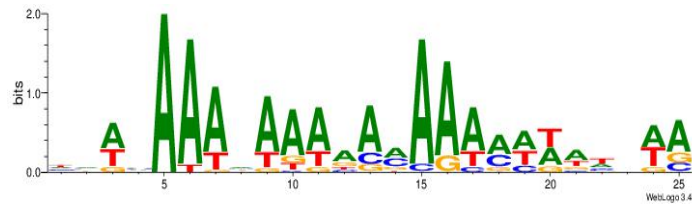
Dataset #: 5
Motif ID: 56
Motif name: TFM11
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 7
Number of overlap: 11
Similarity score: 0.0635027

Alignment:

HDWVAAAHAAAAAMAAAMWWWHBWA
-----DCAGCCAATVR-----

Original motif Consensus sequence:
HDWVAAAHAAAAAMAAAMWWWHBWA

Reverse complement motif Consensus sequence:
TWVHWWYTTTTTTTTHTTTVWBH



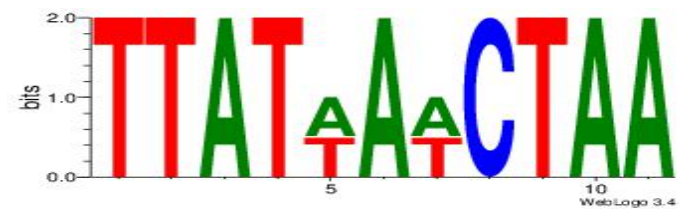
Dataset #: 2
 Motif ID: 18
 Motif name: Motif 18
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0661765

Alignment:
 TTAGWTWATAA
 DCAGCCAATVR

Original motif Consensus sequence: TTAGWTWATAA



Reverse complement motif Consensus sequence: TTATWAWCTAA



Dataset #: 3
 Motif ID: 35

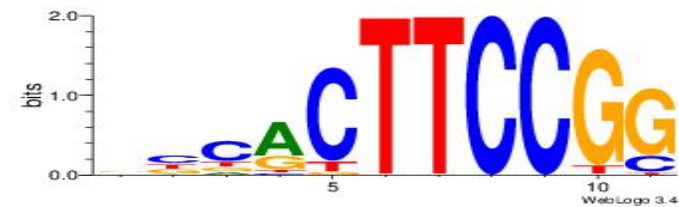
Motif name: GABPA
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.56089

Alignment:
 -CCGGAAGTGVV
 DCAGCCAATVR-

Original motif Consensus sequence: CCGGAAGTGVV



Reverse complement motif Consensus sequence: VVCACTTCGG



Dataset #: 4
 Motif ID: 45
 Motif name: wbgTAAATAww
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 10
 Similarity score: 0.561975

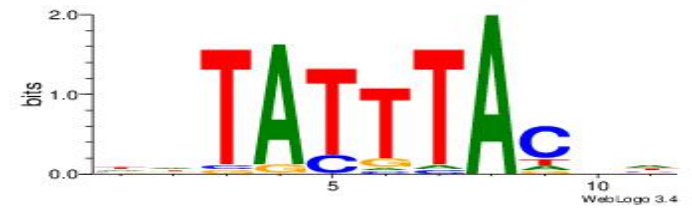
Alignment:

DHTATTTACBD-
-MBATTGGCTGH

Original motif Consensus sequence: DBGTAATAHD



Reverse complement motif Consensus sequence: DHTATTTACBD



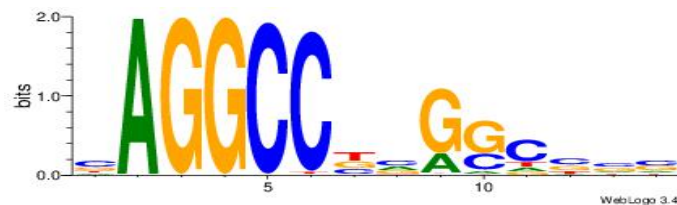
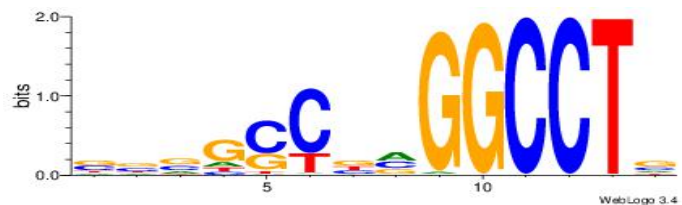
Dataset #: 3
Motif ID: 22
Motif name: Zfx
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 10
Similarity score: 0.563709

Alignment:

VAGGCCBBGGCVBB-
----DCAGCCAATVR

Original motif Consensus sequence: BBVGCCBVGGCCTV

Reverse complement motif Consensus sequence: VAGGCCBBGGCVBB



Dataset #: 4 Motif ID: 40 Motif name: kcACCTGCAGc

Original motif Consensus sequence: BCACCTGCABC



Reverse complement motif Consensus sequence: GBTGCAGGTGB



Best Matches for Motif ID 40 (Highest to Lowest)

Dataset #:	4
Motif ID:	43
Motif name:	wTACwGTAsw
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	11
Similarity score:	0.0215284

Alignment:
 DBTACWGTAVH
 BCACCTGCABC

Original motif Consensus sequence: HVTACWG TABD



Reverse complement motif Consensus sequence: DBTACWG TAVH

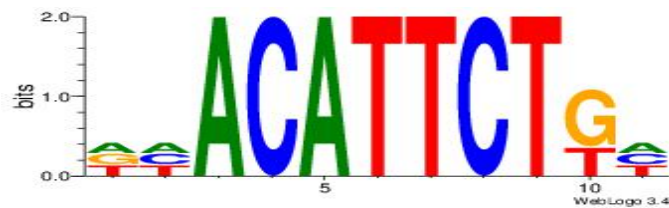


Dataset #: 4
Motif ID: 44
Motif name: dhACATTCTkh
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0254134

Alignment:

DHACATTCTGH
BCACCTGCABC

Original motif Consensus sequence: DHACATTCTGH



Reverse complement motif Consensus sequence: HCAGAATGTHD

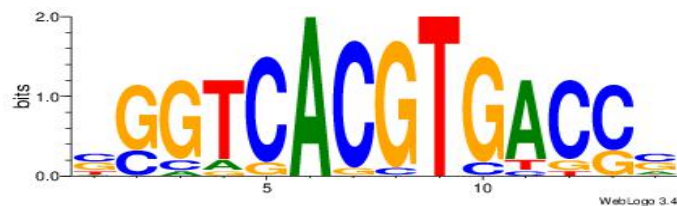


Dataset #: 4
 Motif ID: 42
 Motif name: sSGTCACGTGACSS
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.031338

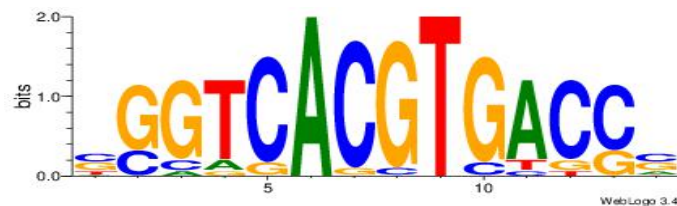
Alignment:

SGGTCACGTGACCS
 ---BCACCTGCABC

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS



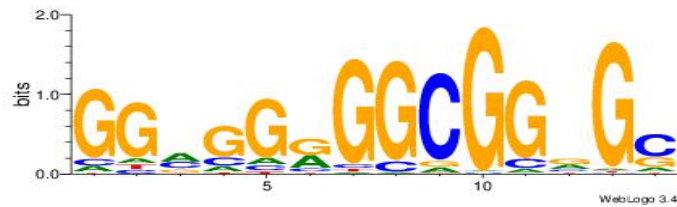
Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 11

Similarity score: 0.034471

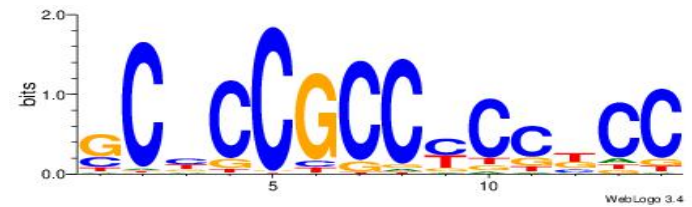
Alignment:

GCVCCGCCMCCYCC
BCACCTGCABC---

Original motif Consensus sequence: GGMGRRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC



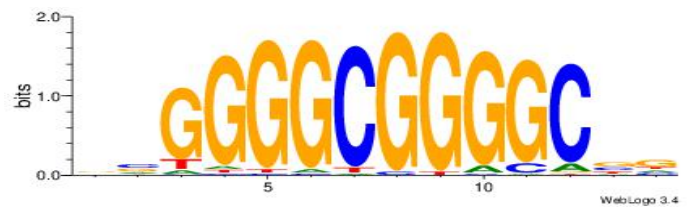
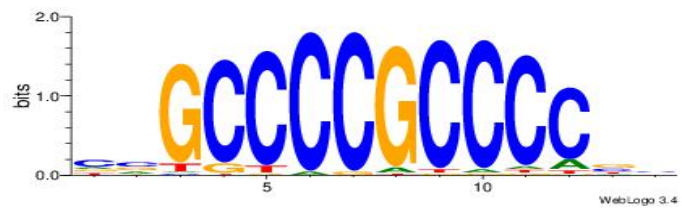
Dataset #: 4
Motif ID: 36
Motif name: csGCCCCGCCCCsc
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 11
Similarity score: 0.0402518

Alignment:

HVCCCCGCCCCBB
-BCACCTGCABC--

Original motif Consensus sequence: HVCCCCGCCCCBB

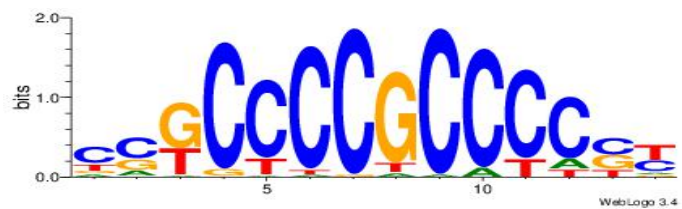
Reverse complement motif Consensus sequence: BBGGGCGGGGC



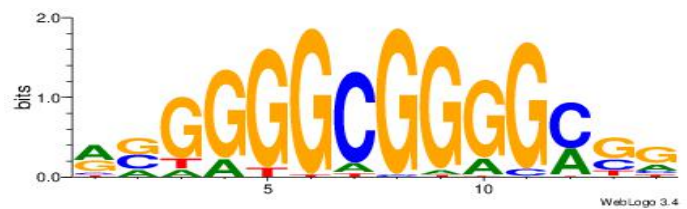
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0411257

Alignment:
 CSKCCCCGCCCSY
 -BCACCTGCABC--

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGCGGGY



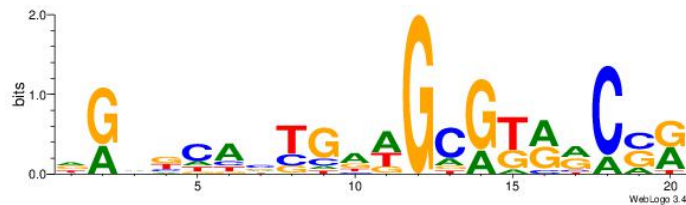
Dataset #: 3
 Motif ID: 31

Motif name: Pax5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0420218

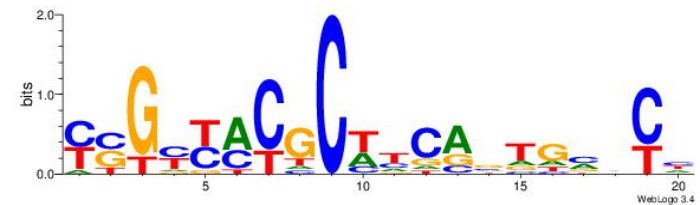
Alignment:

DGVBCABTGDWGCGRRCR
 ----GBTGCAGGTGB-----

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD



Dataset #: 3
 Motif ID: 35
 Motif name: GABPA
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0423275

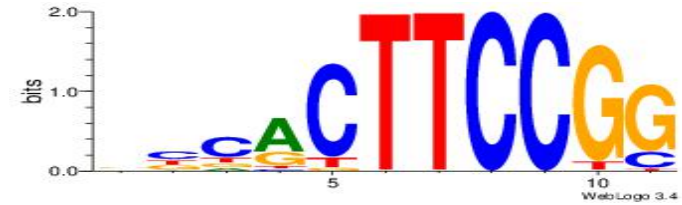
Alignment:

CCGGAAGTGVV
GBTGCAGGTGB

Original motif Consensus sequence: CCGGAAGTGVV



Reverse complement motif Consensus sequence: VVCACTTCGG



Dataset #: 4
Motif ID: 39
Motif name: kCAGCCAATmr
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 11
Similarity score: 0.0439586

Alignment:

DCAGCCAATVR
GBTGCAGGTGB

Original motif Consensus sequence: DCAGCCAATVR

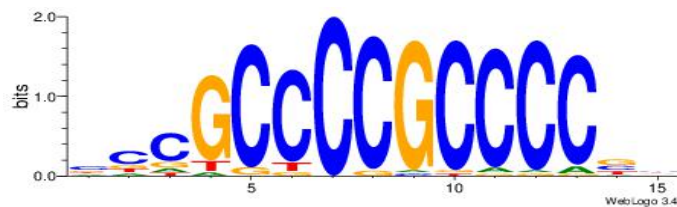
Reverse complement motif Consensus sequence: MBATTGGCTGH



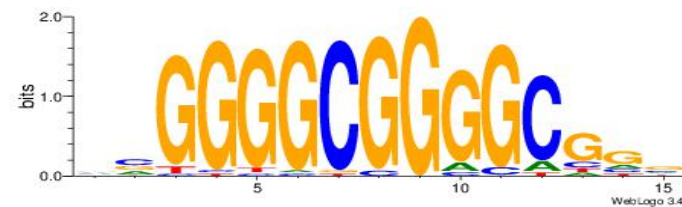
Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 11
 Similarity score: 0.0461444

Alignment:
 BCCGCCCCGCCCCBB
 --BCACCTGCABC--

Original motif Consensus sequence: BCCGCCCCGCCCCBB

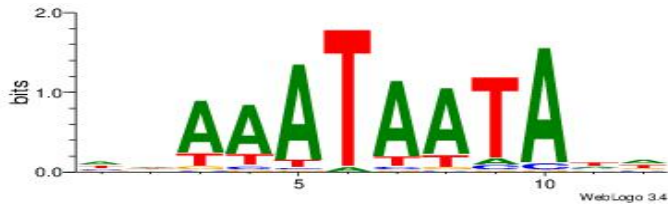


Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

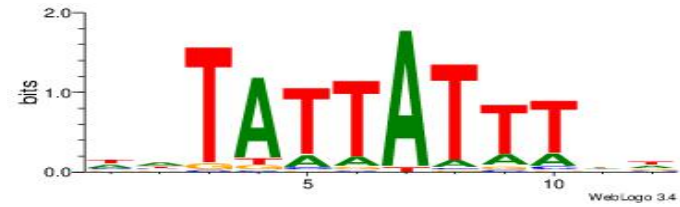


Dataset #: 4 Motif ID: 41 Motif name: wwAAATAATAtw

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH



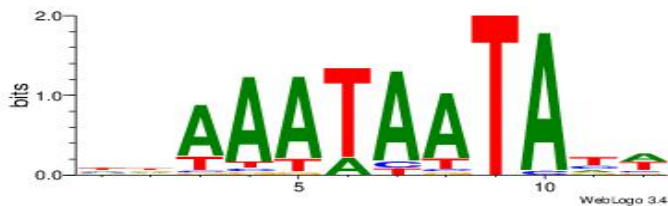
Best Matches for Motif ID 41 (Highest to Lowest)

Dataset #:	4
Motif ID:	37
Motif name:	tkAAATAATAtw
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	12
Similarity score:	0

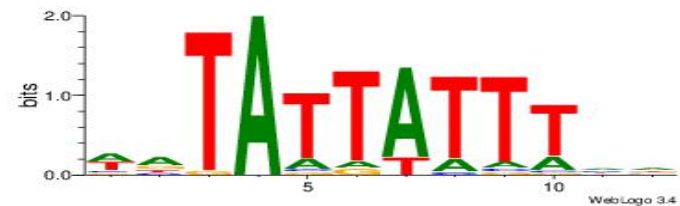
Alignment:

```
HDAAATAATAHW  
HDAAATAATADD
```

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH

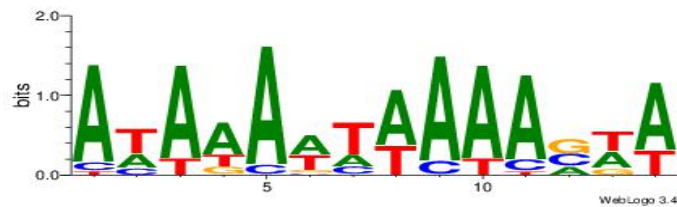


Dataset #: 2
 Motif ID: 3
 Motif name: Motif 3
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0536028

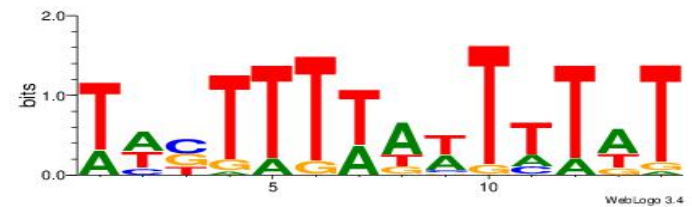
Alignment:

AWAAAWTWAAASWA
 -HDAAATAATADD-

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTT



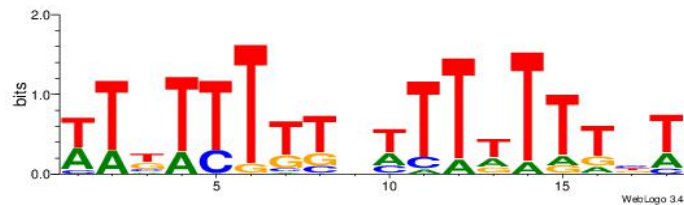
Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 12

Similarity score: 0.0565705

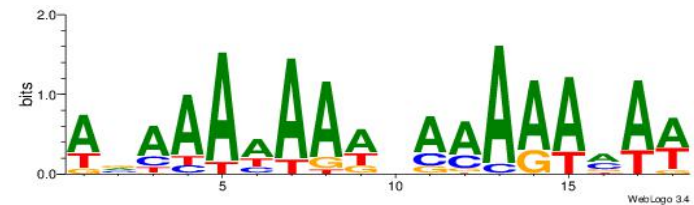
Alignment:

```
WKTTTTTHWTTTTTBT  
-----DDTATTATTTDH
```

Original motif Consensus sequence: WKTTTTTHWTTTTTBT



Reverse complement motif Consensus sequence:
ABAAAAAWHAAAAARAW



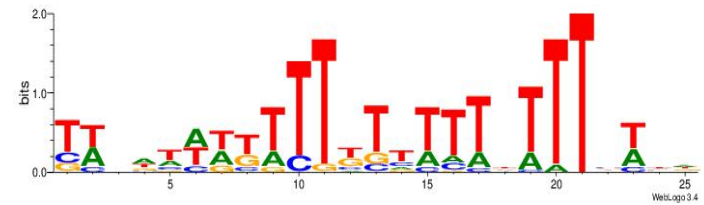
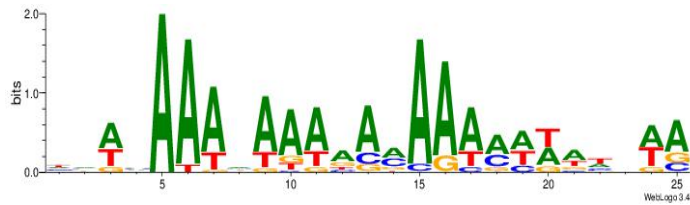
Dataset #: 5
Motif ID: 56
Motif name: TFM11
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 12
Similarity score: 0.0575935

Alignment:

```
HDWVAAAHAAAAAMAAAMWWWHBWA  
--HDAAATAATADD-----
```

Original motif Consensus sequence:
HDWVAAAHAAAAAMAAAMWWWHBWA

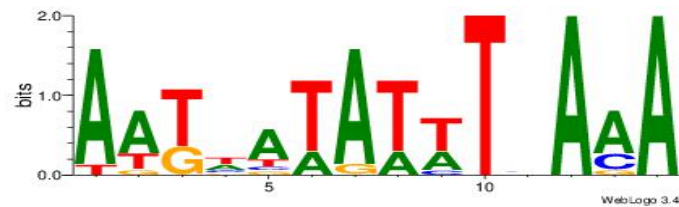
Reverse complement motif Consensus sequence:
TWVHWWWYTTTTYTTTTTHTTTVWBH



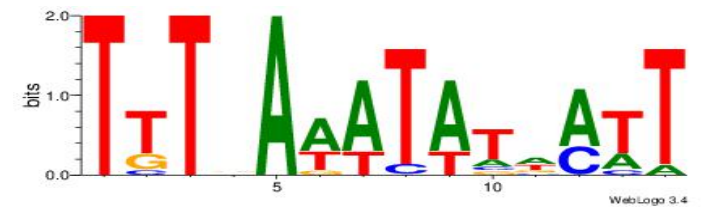
Dataset #: 2
 Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 3
 Number of overlap: 12
 Similarity score: 0.0591821

Alignment:
 AATHATATWTHAAA
 --DDTATTATTTDH

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT



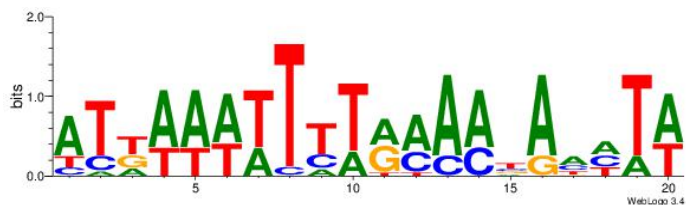
Dataset #: 5
 Motif ID: 55

Motif name: TFM13
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0712963

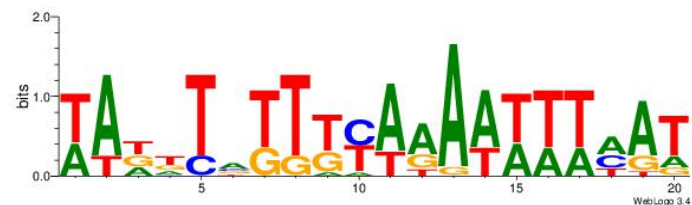
Alignment:

WAHHTVTTYKAAAATTRAT
 -----HDAAATAATADD

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT

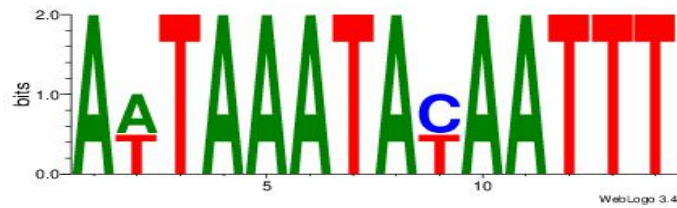


Dataset #: 2
 Motif ID: 5
 Motif name: Motif 5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0715278

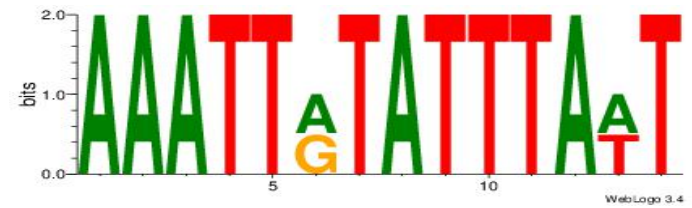
Alignment:

AAATTKTATTTAWT
-DDTATTATTTDH-

Original motif Consensus sequence: AWTAAATAYAATTT



Reverse complement motif Consensus sequence: AAATTKTATTTAWT



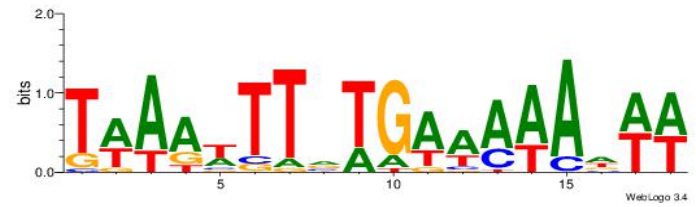
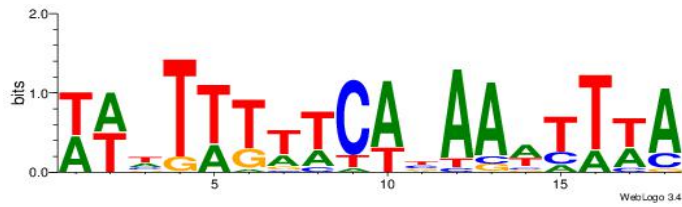
Dataset #: 5
Motif ID: 53
Motif name: TFM3
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 12
Similarity score: 0.0733516

Alignment:

WWHTTTTTTCABAAWTTWA
-----DDTATTATTTDH

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA

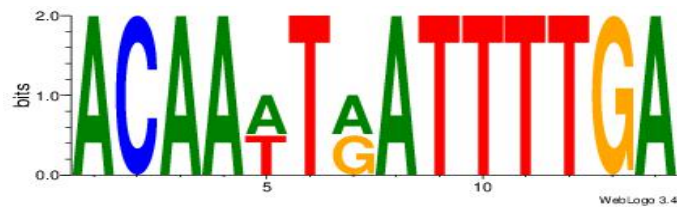
Reverse complement motif Consensus sequence:
TAAWTTVTGAAAAHWW



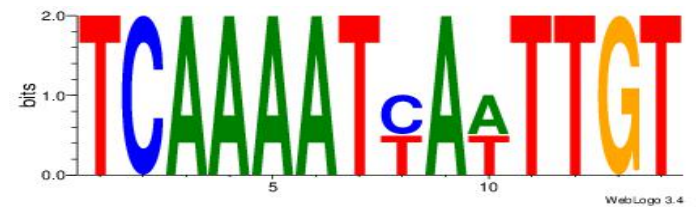
Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0912037

Alignment:
 TCAAAATKAWTTGT
 --DDTATTATTTDH

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTGT



Dataset #: 2
 Motif ID: 6

Motif name: Motif 6
 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: 0.0924576

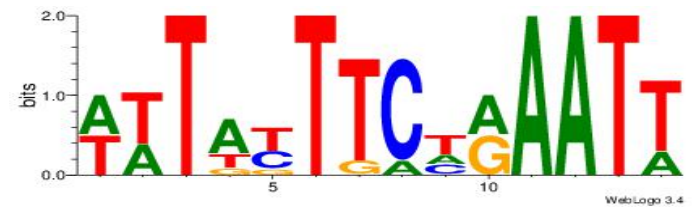
Alignment:

WWTAKTTCDKAATT
 DDTATTATTTDH--

Original motif Consensus sequence: AATTYDGAARTAWW

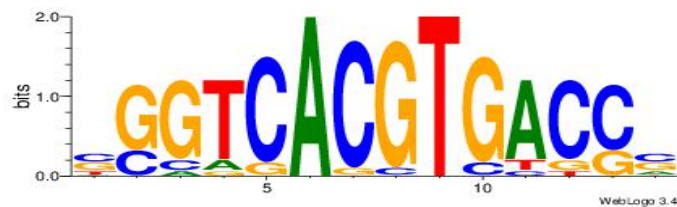


Reverse complement motif Consensus sequence: WWTAKTTCDKAATT

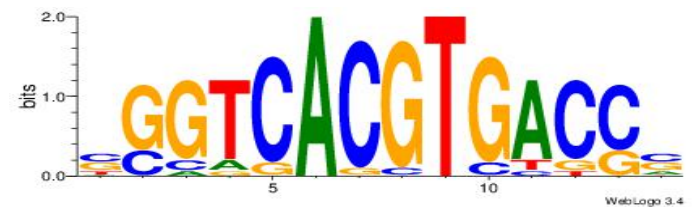


Dataset #: 4 Motif ID: 42 Motif name: sSGTCACGTGACCS

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS



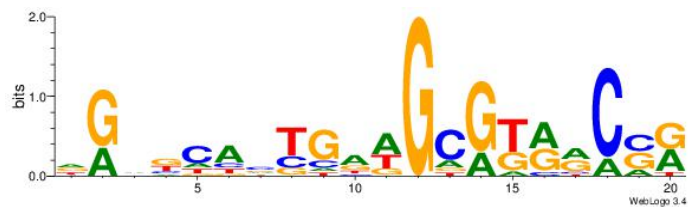
Best Matches for Motif ID 42 (Highest to Lowest)

Dataset #: 3
 Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 14
 Similarity score: 0.0518737

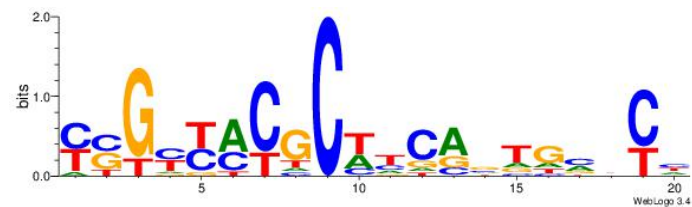
Alignment:

DGVBCABTGDWGCGRRCR
 -----SGGTCACGTGACCS

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD



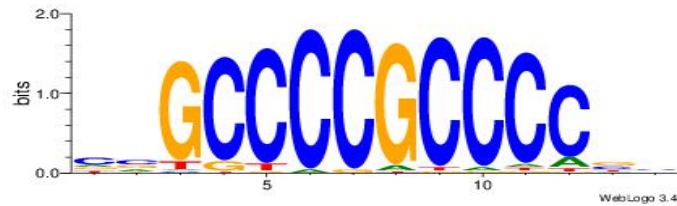
Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1

Number of overlap: 14
Similarity score: 0.0539097

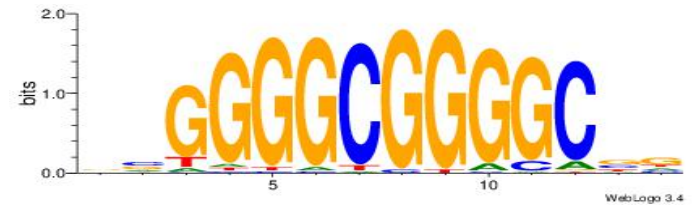
Alignment:

BBGGGGCGGGGCVD
SGGTCACGTGACCS

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC



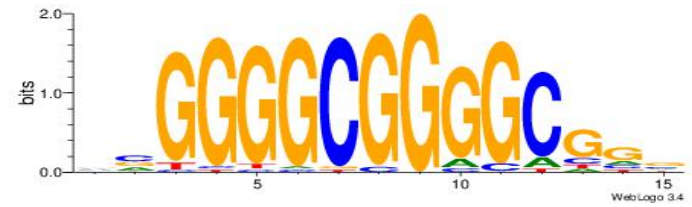
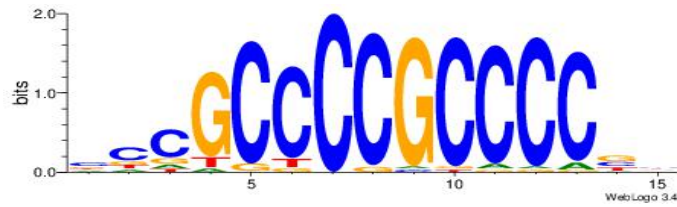
Dataset #: 4
Motif ID: 38
Motif name: cccGCCCCGCCCCsb
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0581955

Alignment:

BCCGCCCCGCCCCBB
SGGTCACGTGACCS-

Original motif Consensus sequence: BCCGCCCCGCCCCBB

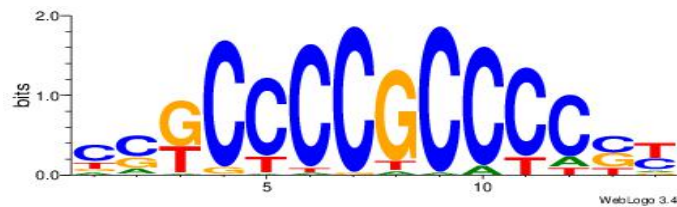
Reverse complement motif Consensus sequence:
BBGGGGCGGGGCGB



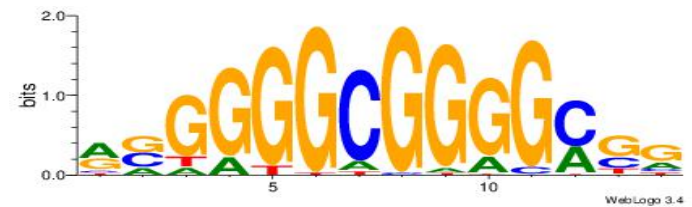
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0634135

Alignment:
 MSGGGCGGGYSG
 SGGTCACGTGACCS

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGCGGGY



Dataset #: 5
 Motif ID: 50

Motif name: TFF11
 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: 1.05855

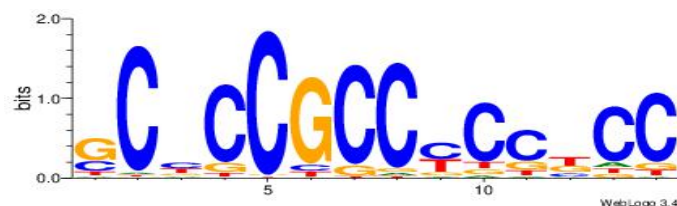
Alignment:

--GCVCCGCCMCCYCC
 SGGTCACGTGACCS--

Original motif Consensus sequence: GGMGRRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC

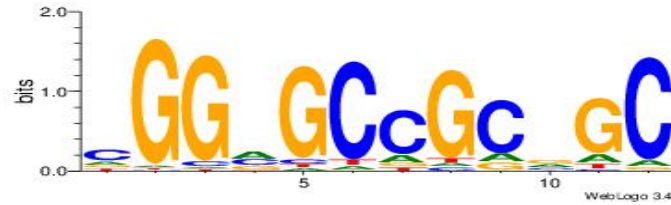


Dataset #: 5
 Motif ID: 49
 Motif name: TFF1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 1.06047

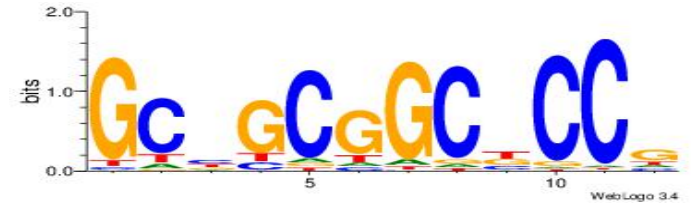
Alignment:

```
--GCVGCGGCBCCG  
SGGTCACGTGACCS
```

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGCGGCBCCG



Dataset #:	4
Motif ID:	40
Motif name:	kcACCTGCAGc
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	11
Similarity score:	1.54742

Alignment:

```
---BCACCTGCABC  
SGGTCACGTGACCS
```

Original motif Consensus sequence: BCACCTGCABC

Reverse complement motif Consensus sequence: GBTGCAGGTGB

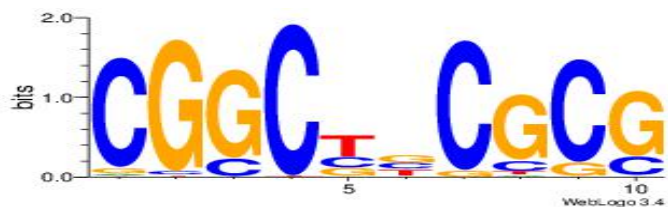


Dataset #: 5
 Motif ID: 48
 Motif name: TFW3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 10
 Similarity score: 2.05201

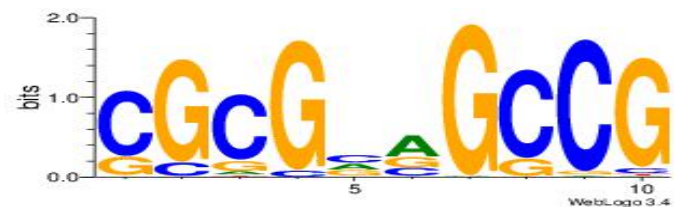
Alignment:

----CGCGBMGCCG
 SGGTCACGTGACCS

Original motif Consensus sequence: CGGcYBCGCG



Reverse complement motif Consensus sequence: CGCGBMGCCG



Dataset #: 3
 Motif ID: 23

Motif name: Egr1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 10
 Similarity score: 2.06209

Alignment:

----YCGCCCACGCH
 SGGTCACGTGACCS-

Original motif Consensus sequence: HGCGTGGGCGK



Reverse complement motif Consensus sequence: YCGCCCACGCH

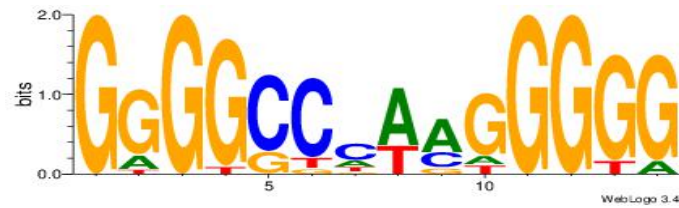


Dataset #: 3
 Motif ID: 30
 Motif name: PLAG1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 8
 Number of overlap: 7
 Similarity score: 3.53253

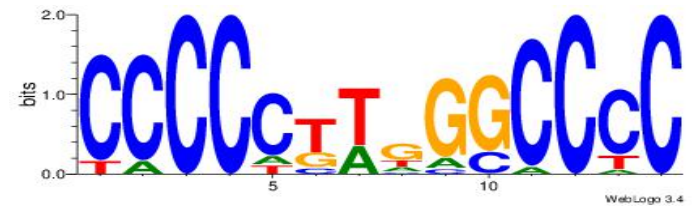
Alignment:

```
CCCCCTTGGGCCCC-----  
-----SGGTCACGTGACCS
```

Original motif Consensus sequence: GGGCCCAAGGGG



Reverse complement motif Consensus sequence: CCCCTTGGGCC



Dataset #: 4 Motif ID: 43 Motif name: wsTACwGTAsw

Original motif Consensus sequence: HVTACWG TABD



Reverse complement motif Consensus sequence: DBTACWG TAVH



Best Matches for Motif ID 43 (Highest to Lowest)

Dataset #:	4
Motif ID:	40
Motif name:	kcACCTGCAGc
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1

Number of overlap: 11
Similarity score: 0.0199592

Alignment:
GBTGCAGGTGB
HVTACWGTABD

Original motif Consensus sequence: BCACCTGCABC



Reverse complement motif Consensus sequence: GBTGCAGGTGB

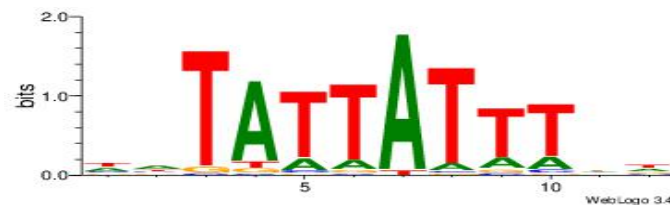
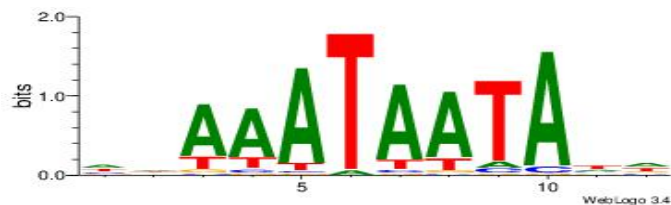


Dataset #: 4
Motif ID: 41
Motif name: wwAAATAATAtw
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0309343

Alignment:
DDTATTATTTDH
-HVTACWGTABD

Original motif Consensus sequence: HDAAATAATADD

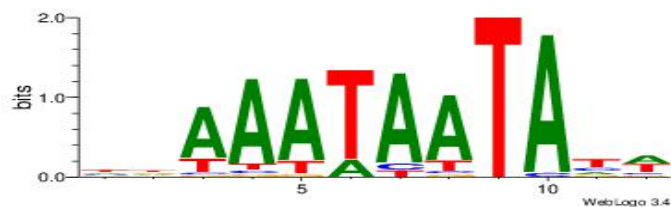
Reverse complement motif Consensus sequence: DDTATTATTTDH



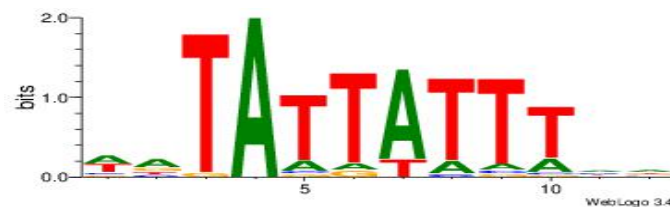
Dataset #: 4
 Motif ID: 37
 Motif name: tkAAATAATAtw
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0337121

Alignment:
 WHTATTATTTDH
 -HVTACWGTABD

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH



Dataset #: 2
 Motif ID: 6

Motif name: Motif 6
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0353535

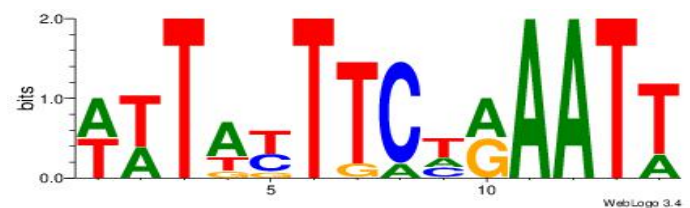
Alignment:

AATTYDGAARTAWW
 HVTACWG TABD---

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAT



Dataset #: 4
 Motif ID: 45
 Motif name: wbgTAAATAww
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.037518

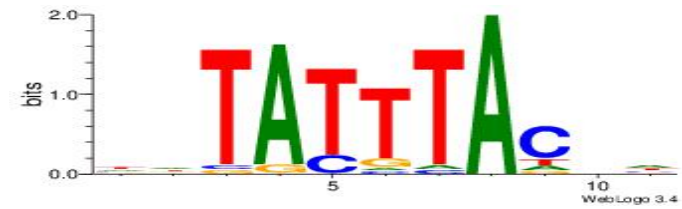
Alignment:

DBGTAAATAHD
DBTACWGTAVH

Original motif Consensus sequence: DBGTAAATAHD



Reverse complement motif Consensus sequence: DHTATTTACBD



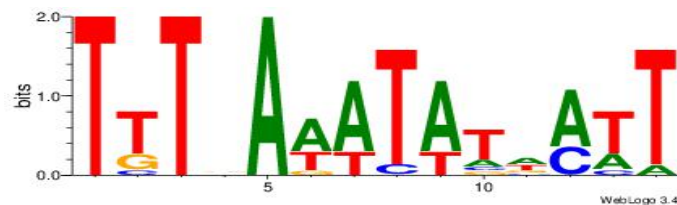
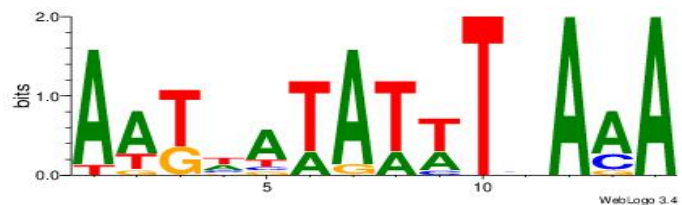
Dataset #: 2
Motif ID: 9
Motif name: Motif 9
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0397727

Alignment:

TTTDAWATATHATT
DBTACWGTAVH---

Original motif Consensus sequence: AATHATATWTHAAA

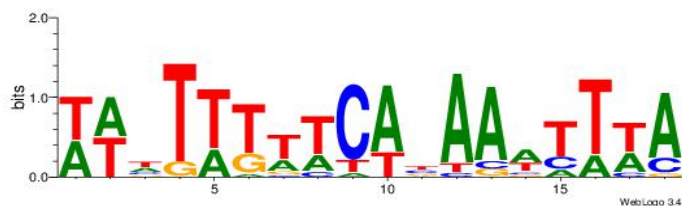
Reverse complement motif Consensus sequence: TTTDAWATATHATT



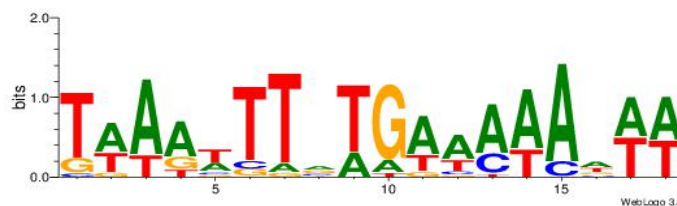
Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 11
 Similarity score: 0.0413797

Alignment:
 TWAAWTTVTGAAAAHWW
 ---HVTACWGTTABD----

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TWAAWTTVTGAAAAHWW



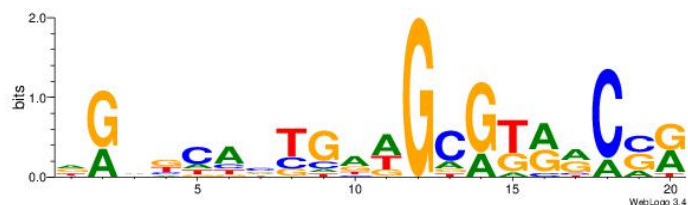
Dataset #: 3

Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6
 Number of overlap: 11
 Similarity score: 0.042298

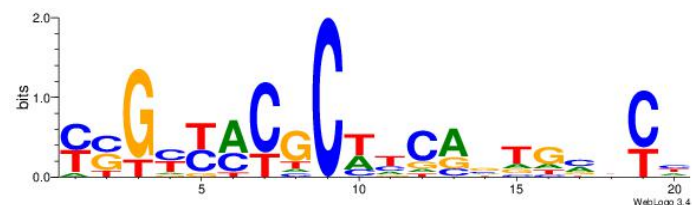
Alignment:

DGVBCABTGDWGCGRRCR
 -----HVTACWGTTABD-----

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBCD



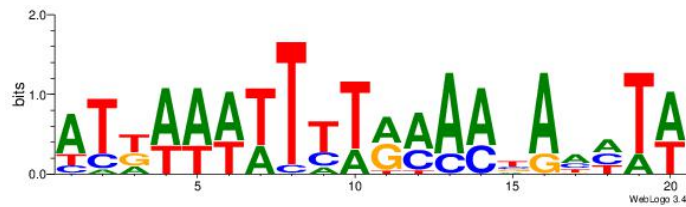
Dataset #: 5
 Motif ID: 55
 Motif name: TFM13
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 3
 Number of overlap: 11

Similarity score: 0.0445707

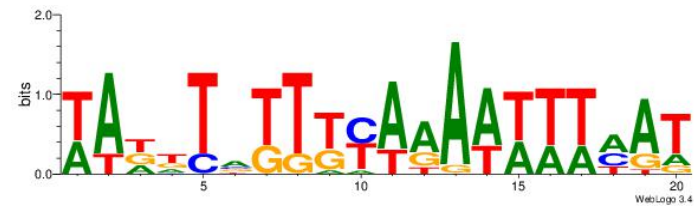
Alignment:

ATKAAWTTTTTRMAABAHTW
-----DBTACWGTAVH--

Original motif Consensus sequence: ATKAAWTTTTTRMAABAHTW



Reverse complement motif Consensus sequence:
WAHHTVTTYKAAAATTRAT



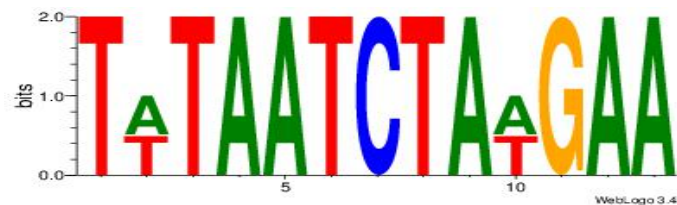
Dataset #: 2
Motif ID: 19
Motif name: Motif 19
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 11
Similarity score: 0.0460859

Alignment:

TTCWTAGATTAWA
DBTACWGTAVH--

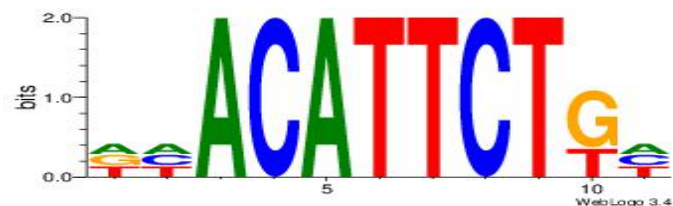
Original motif Consensus sequence: TTCWTAGATTAWA

Reverse complement motif Consensus sequence: TWTAACTAWGAA



Dataset #: 4 Motif ID: 44 Motif name: dhACATTCTkh

Original motif Consensus sequence: DHACATTCTGH



Reverse complement motif Consensus sequence: HCAGAATGTHD



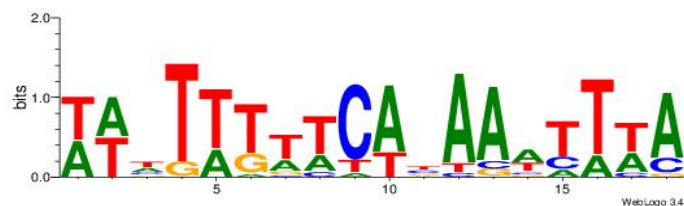
Best Matches for Motif ID 44 (Highest to Lowest)

Dataset #:	5
Motif ID:	53
Motif name:	TFM3
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	8
Number of overlap:	11
Similarity score:	0.0217516

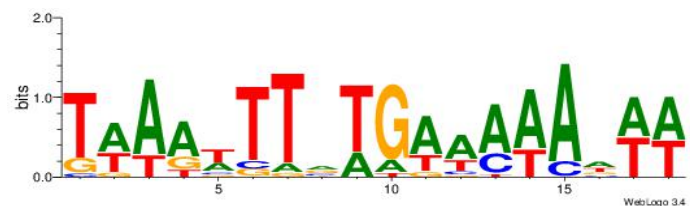
Alignment:

```
TWAAWTTVTGAAAAHWW
DHACATTCTGH-----
```

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TWAAWTTVTGAAAAHWW



Dataset #: 4
Motif ID: 40
Motif name: kcACCTGCAGc
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0238442

Alignment:

BCACCTGCABC

DHACATTCTGH

Original motif Consensus sequence: BCACCTGCABC



Reverse complement motif Consensus sequence: GBTGCAGGTGB



Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 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: 0.0258838

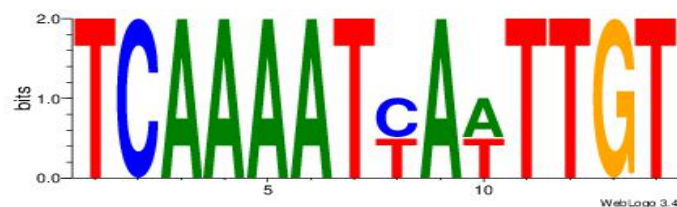
Alignment:

TCAAAATKAWTTGT
 HCAGAATGTHD---

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTGT



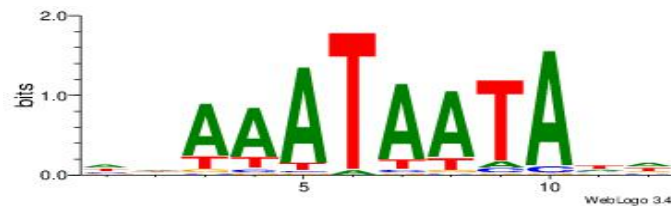
Dataset #: 4
 Motif ID: 41
 Motif name: wwAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11

Similarity score: 0.0292508

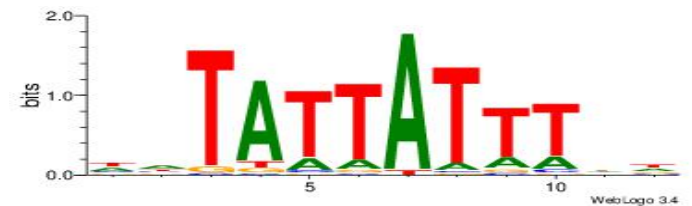
Alignment:

DDTATTATTTDH
-HCAGAATGTHD

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH



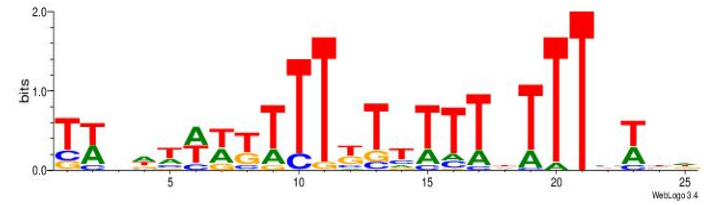
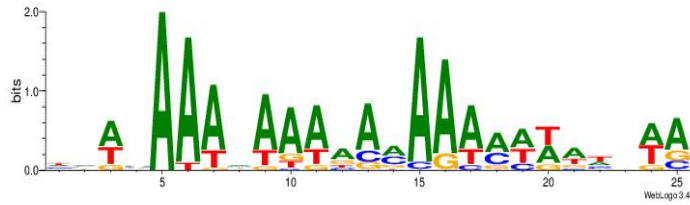
Dataset #: 5
Motif ID: 56
Motif name: TFM11
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 11
Similarity score: 0.0307858

Alignment:

TWVHWWWYTTTYTTTTHTTTVWBH
----DHACATTCTGH-----

Original motif Consensus sequence:
HDWVAAAHAAAAAMAAAMWWWHBWA

Reverse complement motif Consensus sequence:
TWVHWWWYTTTYTTTTHTTTVWBH

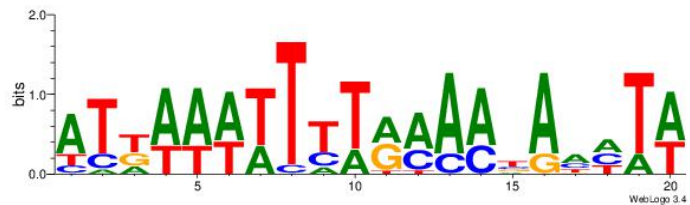


Dataset #: 5
 Motif ID: 55
 Motif name: TFM13
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 9
 Number of overlap: 11
 Similarity score: 0.0357323

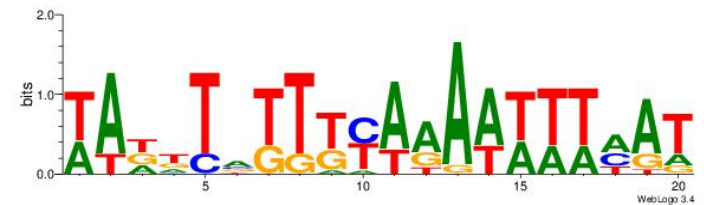
Alignment:

ATKAAWTTTTRMAABAHTW
 -DHACATTCTGH-----

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT

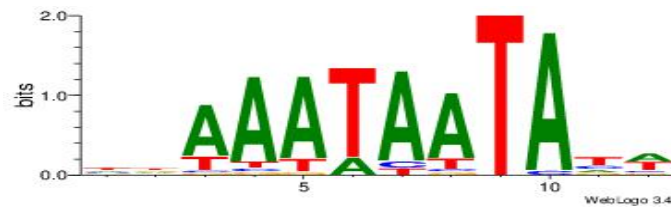


Dataset #: 4

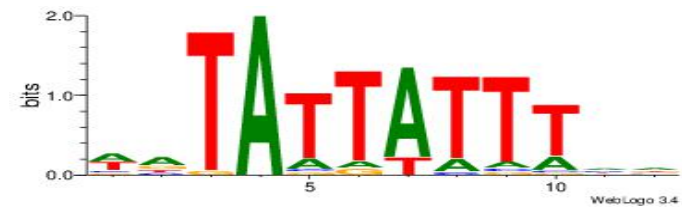
Motif ID: 37
 Motif name: tkAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0364899

Alignment:
 WHTATTATTTDH
 -HCAGAATGTHD

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 4
 Number of overlap: 11
 Similarity score: 0.0400884

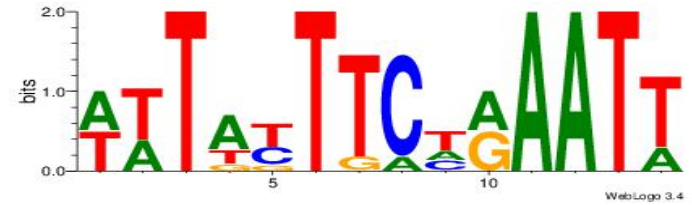
Alignment:

AATTYDGAARTAWW
HCAGAATGTHD---

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAT



Dataset #: 4
Motif ID: 39
Motif name: kCAGCCAATmr
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 11
Similarity score: 0.0412582

Alignment:

MBATTGGCTGH
DHACATTCTGH

Original motif Consensus sequence: DCAGCCAATVR

Reverse complement motif Consensus sequence: MBATTGGCTGH



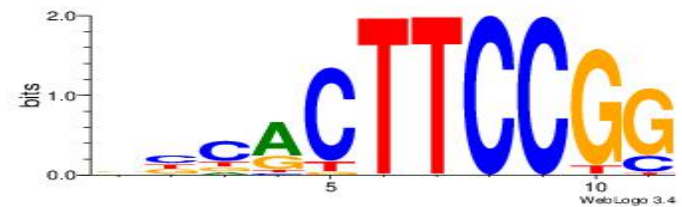
Dataset #: 3
 Motif ID: 35
 Motif name: GABPA
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0418896

Alignment:
 CCGGAAGTGVV
 HCAGAATGTHD

Original motif Consensus sequence: CCGGAAGTGVV



Reverse complement motif Consensus sequence: VVCACTTCCGG

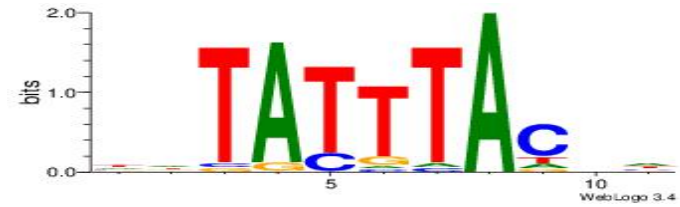


Dataset #: 4 Motif ID: 45 Motif name: wbgTAAATAww

Original motif Consensus sequence: DBGTAATAHD



Reverse complement motif Consensus sequence: DHTATTTACBD



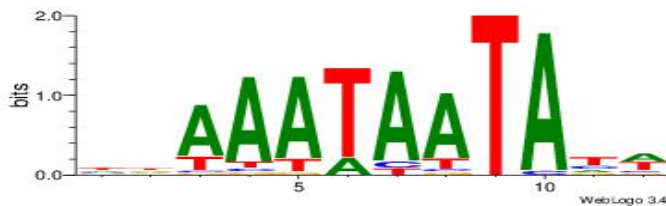
Best Matches for Motif ID 45 (Highest to Lowest)

Dataset #: 4
Motif ID: 37
Motif name: tkAAATAATAtw
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.0162338

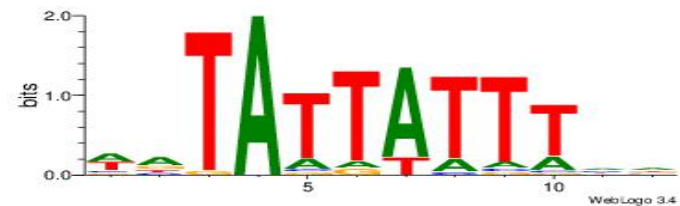
Alignment:

HDAAATAATAHW
-DBGTAATAHD

Original motif Consensus sequence: HDAAATAATAHW



Reverse complement motif Consensus sequence: WHTATTATTTDH

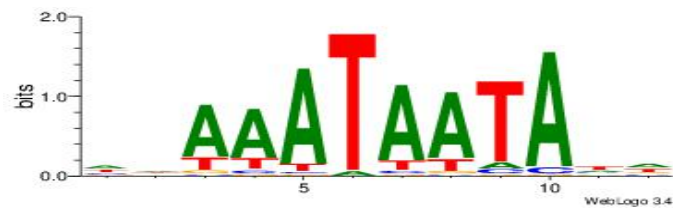


Dataset #: 4
 Motif ID: 41
 Motif name: wwAAATAATAtw
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0164863

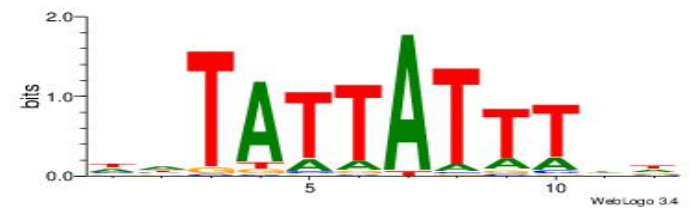
Alignment:

DDTATTATTTDH
 DHTATTTACBD-

Original motif Consensus sequence: HDAAATAATADD



Reverse complement motif Consensus sequence: DDTATTATTTDH



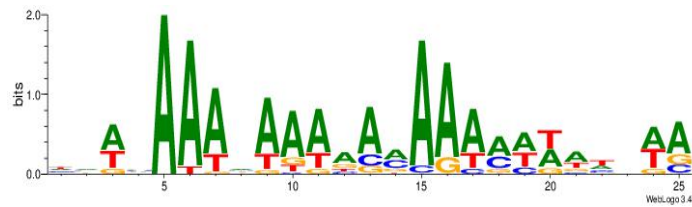
Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 15
 Number of overlap: 11

Similarity score: 0.0192768

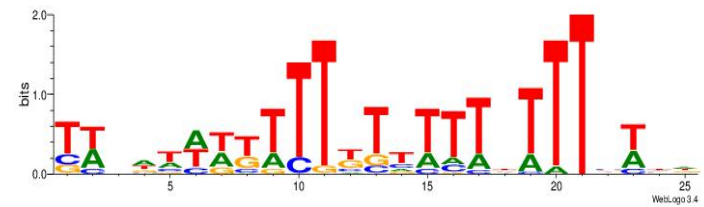
Alignment:

```
TWVHWWYTTTYTTTTHTTTVWBH  
-----DHTATTTACBD
```

Original motif Consensus sequence:
HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
TWVHWWYTTTYTTTTHTTTVWBH



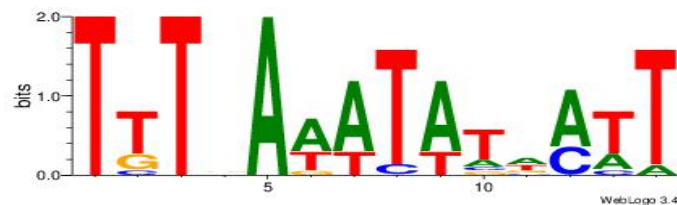
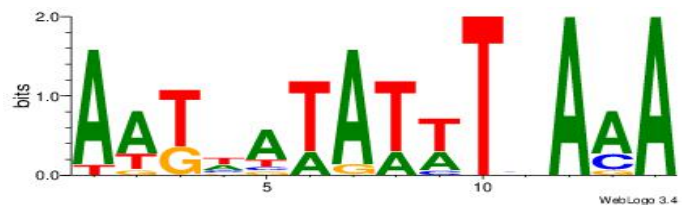
Dataset #: 2
Motif ID: 9
Motif name: Motif 9
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 4
Number of overlap: 11
Similarity score: 0.0250541

Alignment:

```
AATHATATWTHAAA  
DHTATTTACBD---
```

Original motif Consensus sequence: AATHATATWTHAAA

Reverse complement motif Consensus sequence: TTTDAWATATHAT



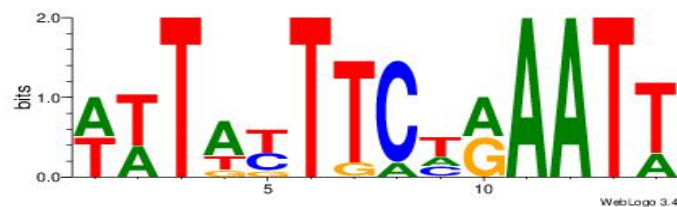
Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.027895

Alignment:
 AATTYDGAARTAWW
 ---DBGTAAATAHD

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAAT



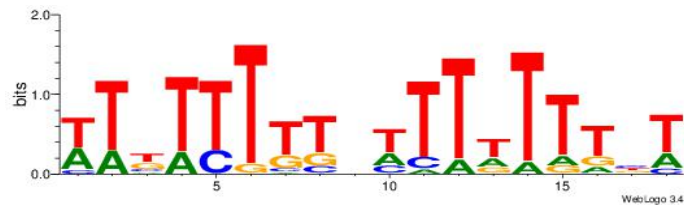
Dataset #: 5
 Motif ID: 52

Motif name: TFM1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0283217

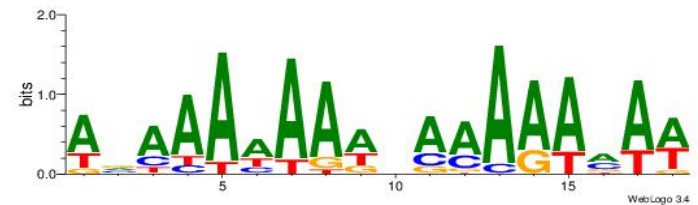
Alignment:

ABAAAAA WHAAAAA RAW
 DBGTAATAHD-----

Original motif Consensus sequence: WTKTTTTTHWTTTTTTBT



Reverse complement motif Consensus sequence: ABAAAAA WHAAAAA RAW

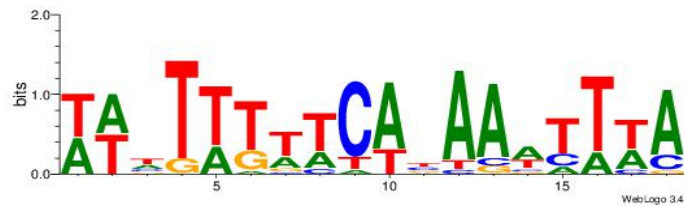


Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0308097

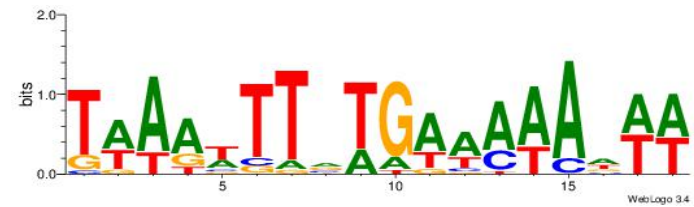
Alignment:

TWAAWTTVTGAAAAAHWW
-----DBGTAATAHD-

Original motif Consensus sequence: WWHTTTTTCABAATTWA



Reverse complement motif Consensus sequence:
TAAWTTVTGAAAAHWW



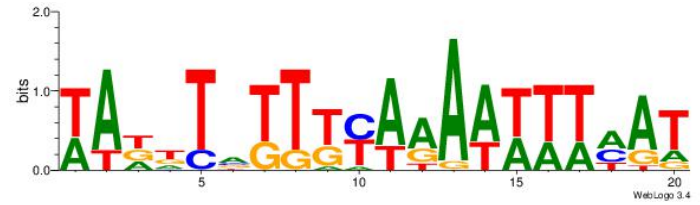
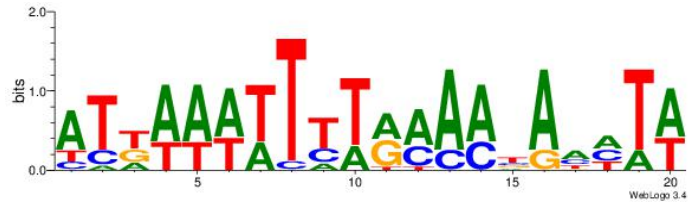
Dataset #:	5
Motif ID:	55
Motif name:	TFM13
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	11
Similarity score:	0.0333874

Alignment:

ATKAAWTTTTRMAABAHTW
-----DBGTAATAHD--

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW

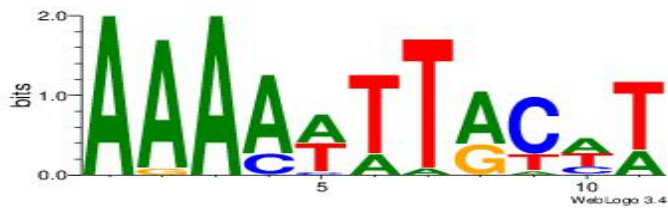
Reverse complement motif Consensus sequence:
WAHHTVTTYKAAAATTRAT



Dataset #: 2
 Motif ID: 4
 Motif name: Motif 4
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0361187

Alignment:
 AWGKAAWTTTT
 DBGTAATAHD

Original motif Consensus sequence: AAAAWTTRCWT



Reverse complement motif Consensus sequence: AWGKAAWTTTT



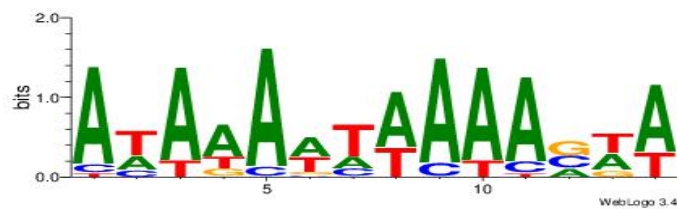
Dataset #: 2
 Motif ID: 3

Motif name: Motif 3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 11
 Similarity score: 0.0410381

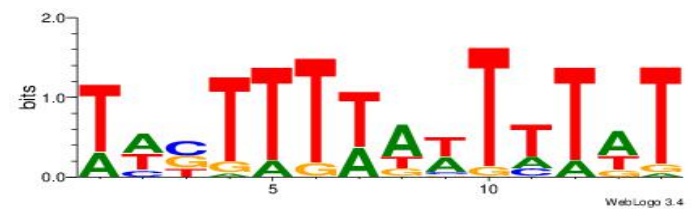
Alignment:

AWAAAWTWAAASWA
 --DHTATTTACBD-

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTTW



Dataset #: 5 Motif ID: 46 Motif name: TFW1

Original motif Consensus sequence: GTCGCG



Reverse complement motif Consensus sequence: CGCGAC



Best Matches for Motif ID 46 (Highest to Lowest)

Dataset #: 5
 Motif ID: 48
 Motif name: TFW3
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 6
 Similarity score: 0.0350356

Alignment:

CGGCYBCGCG
 ----GTCGCG

Original motif Consensus sequence: CGGCYBCGCG



Reverse complement motif Consensus sequence: CGCGBMGCCG



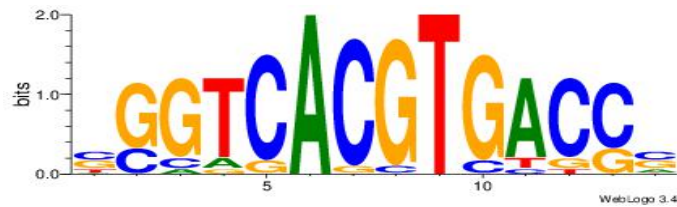
Dataset #: 4
 Motif ID: 42
 Motif name: sSGTCACGTGACSS
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 6

Similarity score: 0.0375102

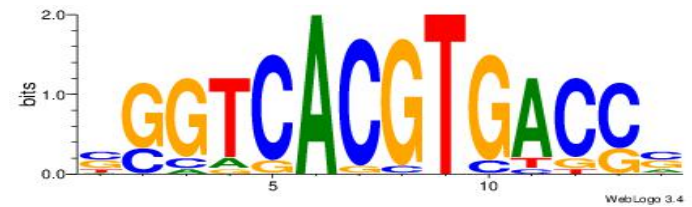
Alignment:

SGGTCACGTGACCS
--GTCGCG-----

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif Consensus sequence: SGGTCACGTGACCS



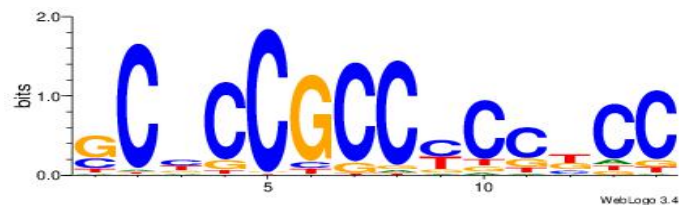
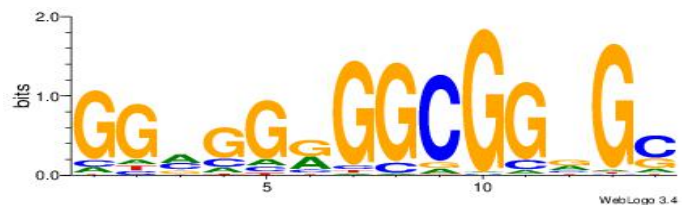
Dataset #: 5
Motif ID: 50
Motif name: TFF11
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 5
Number of overlap: 6
Similarity score: 0.0381641

Alignment:

GCVCCGCCMCCYCC
----CGCGAC----

Original motif Consensus sequence: GGMGRRGGCGGVGC

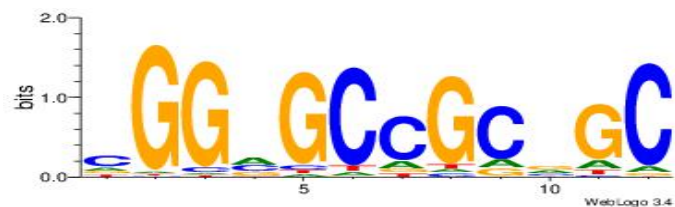
Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC



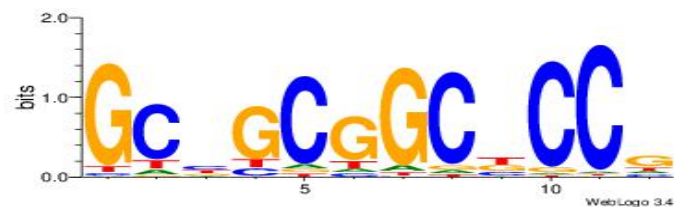
Dataset #: 5
 Motif ID: 49
 Motif name: TFF1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0.0431161

Alignment:
 CGGVGCCGCVGC
 -----CGCGAC

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGGCCBCCG

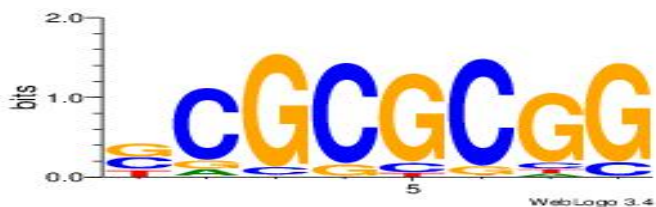


Dataset #: 5
 Motif ID: 47

Motif name: TFW2
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 6
 Similarity score: 0.052047

Alignment:
 CCGCGCGS
 -CGCGAC-

Original motif Consensus sequence: SCGCGCGG



Reverse complement motif Consensus sequence: CCGCGCGS



Dataset #: 3
 Motif ID: 33
 Motif name: Mycn
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 6
 Similarity score: 0.0537993

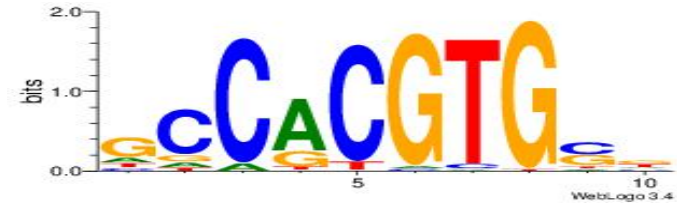
Alignment:

GCCACGTGSD
----GTCGCG

Original motif Consensus sequence: HSCACGTGGC



Reverse complement motif Consensus sequence: GCCACGTGSD



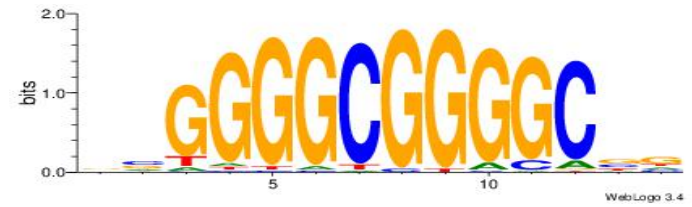
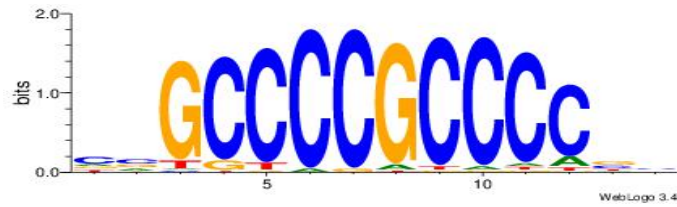
Dataset #: 4
Motif ID: 36
Motif name: csGCCCCGCCCCsc
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 7
Number of overlap: 6
Similarity score: 0.0539

Alignment:

HVGCCCCGCCCCBB
--GTCGCG-----

Original motif Consensus sequence: HVGCCCCGCCCCBB

Reverse complement motif Consensus sequence: BBGGGGCGGGGC



Dataset #: 1
 Motif ID: 1
 Motif name: Motif 1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 3
 Number of overlap: 6
 Similarity score: 0.0554263

Alignment:
 GCCCGCC
 --GTCGCG

Original motif Consensus sequence: GGCGGGGC



Reverse complement motif Consensus sequence: GCCCGCC

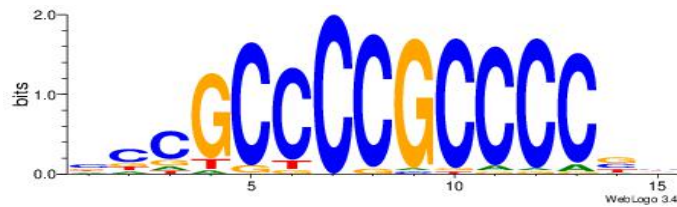


Dataset #: 4
 Motif ID: 38

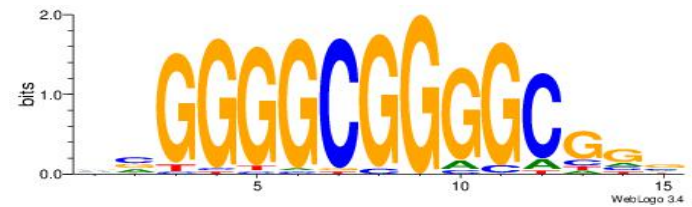
Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 6
 Similarity score: 0.0558733

Alignment:
 BBGGGGCGGGGCGGB
 -----GTCGCG--

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

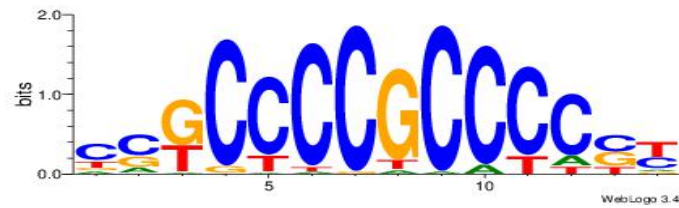


Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 7
 Number of overlap: 6
 Similarity score: 0.0644512

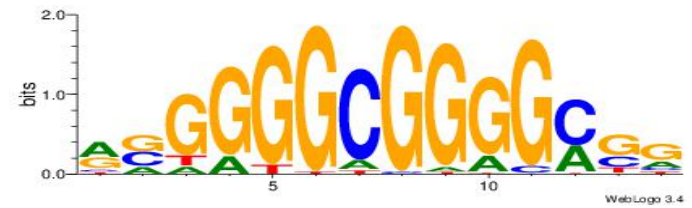
Alignment:

CSKCCCCGCCCSY
--CGCGAC-----

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGY



Dataset #: 5 Motif ID: 47 Motif name: TFW2

Original motif Consensus sequence: SCGCGCGG



Reverse complement motif Consensus sequence: CCGCGCGS



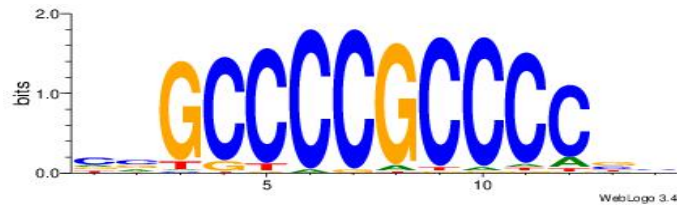
Best Matches for Motif ID 47 (Highest to Lowest)

Dataset #:	4
Motif ID:	36
Motif name:	csGCCCCGCCCSc
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	6

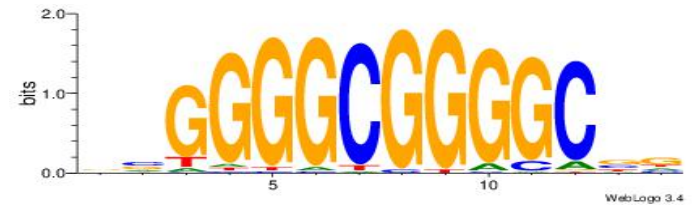
Number of overlap: 8
Similarity score: 0.0456233

Alignment:
HVGCCCCGCCCCBB
-CCGCGCGS-----

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC

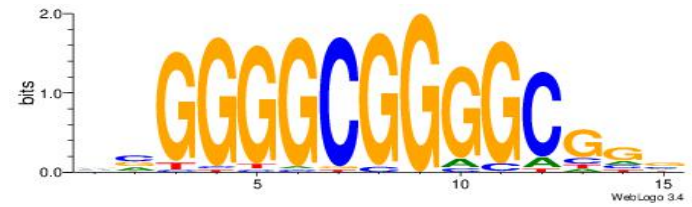
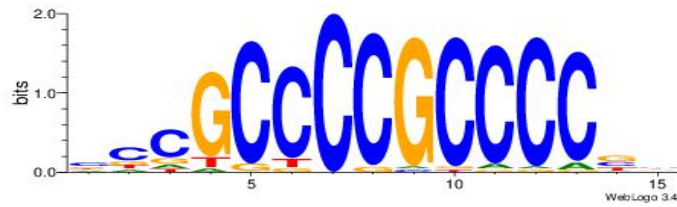


Dataset #: 4
Motif ID: 38
Motif name: cccGCCCCGCCCCsb
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 7
Number of overlap: 8
Similarity score: 0.045686

Alignment:
BBGGGGCGGGGCGGB
-----SCGCGCGG-

Original motif Consensus sequence: BCCGCCCCGCCCCBB

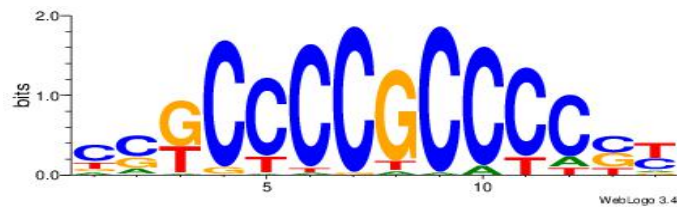
Reverse complement motif Consensus sequence:
BBGGGGCGGGGCGGB



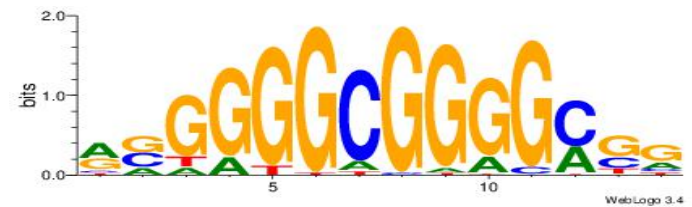
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 6
 Number of overlap: 8
 Similarity score: 0.0504058

Alignment:
 CSKCCCCGCCCSY
 -CCGCGCS-----

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGCGGGY



Dataset #: 3
 Motif ID: 33

Motif name:	Mycn
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	8
Similarity score:	0.0527532

Alignment:

HSCACGTGGC
 -SCGCGCGG-

Original motif Consensus sequence: HSCACGTGGC



Reverse complement motif Consensus sequence: GCCACGTGSD

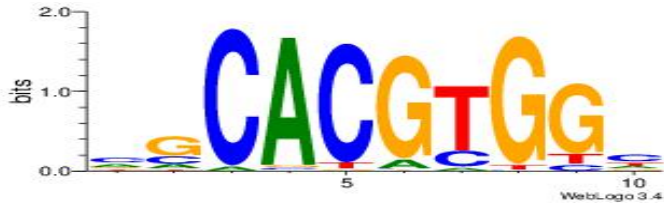


Dataset #:	3
Motif ID:	34
Motif name:	Myc
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	2
Number of overlap:	8
Similarity score:	0.0574543

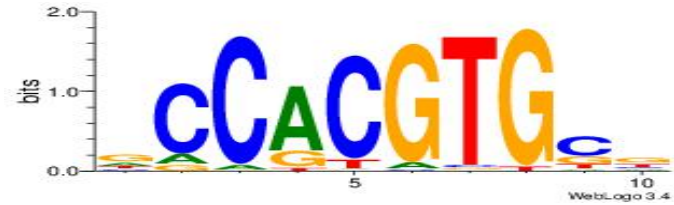
Alignment:

VGCACGTGGH
-SCGCGCGG-

Original motif Consensus sequence: VGCACGTGGH



Reverse complement motif Consensus sequence: DCCACGTGCV



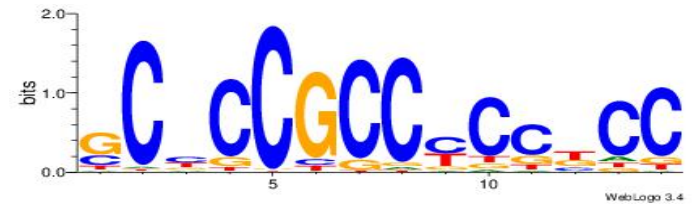
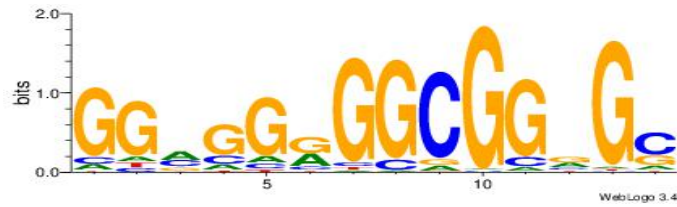
Dataset #: 5
Motif ID: 50
Motif name: TFF11
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 4
Number of overlap: 8
Similarity score: 0.0583967

Alignment:

GCVCCGCCMCCYCC
---CCGCGCGS---

Original motif Consensus sequence: GGMGRRGGCGGVGC

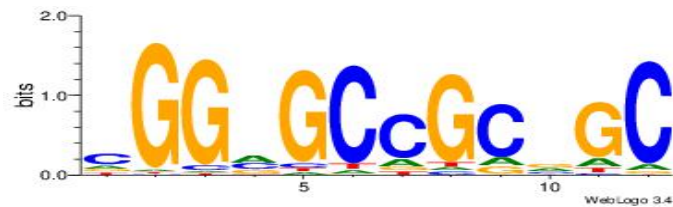
Reverse complement motif Consensus sequence: GCVCCGCCMCCYCC



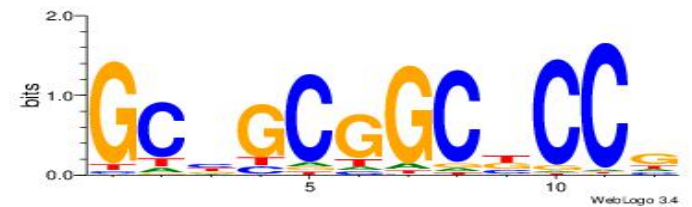
Dataset #: 5
 Motif ID: 49
 Motif name: TFF1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 8
 Similarity score: 0.060966

Alignment:
 CGGVGCCGCVGC
 SCGCGCGG----

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGCCGCBCCG

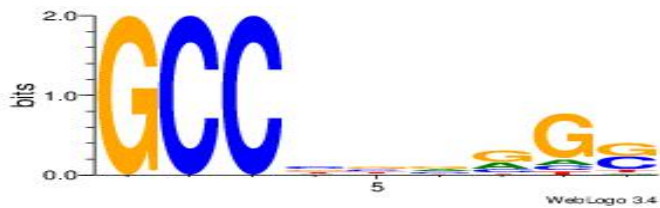


Dataset #: 3
 Motif ID: 25

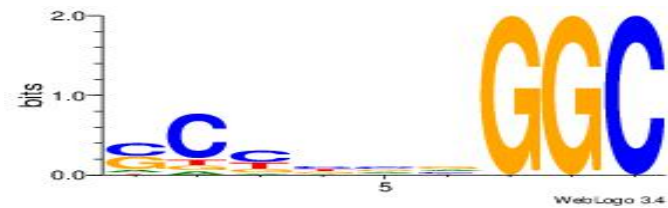
Motif name: TFAP2A
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 8
 Similarity score: 0.0678925

Alignment:
 SCMVBBGGC
 -SCGCGCGG

Original motif Consensus sequence: GCCBBVRGS



Reverse complement motif Consensus sequence: SCMVBBGGC

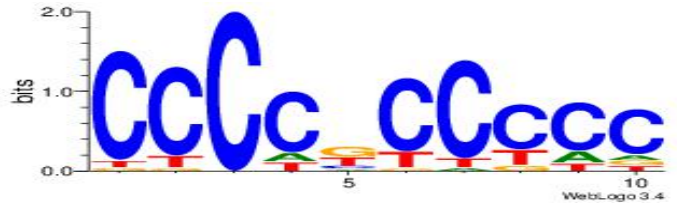


Dataset #: 3
 Motif ID: 24
 Motif name: SP1
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 8
 Similarity score: 0.07018

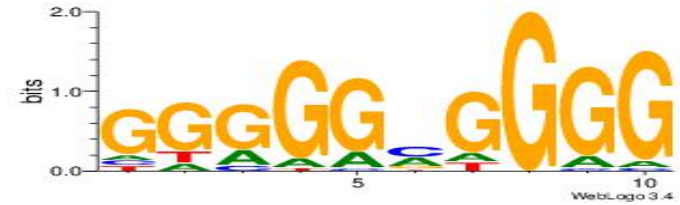
Alignment:

GGGGGYGGGG
SCGCGCGG--

Original motif Consensus sequence: CCCCKCCCC



Reverse complement motif Consensus sequence: GGGGYGGGG



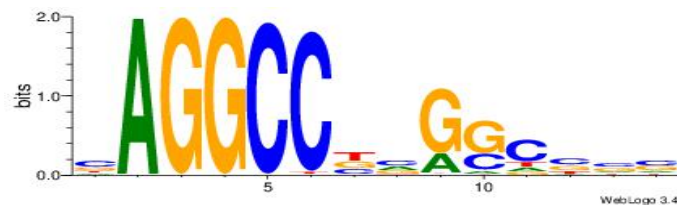
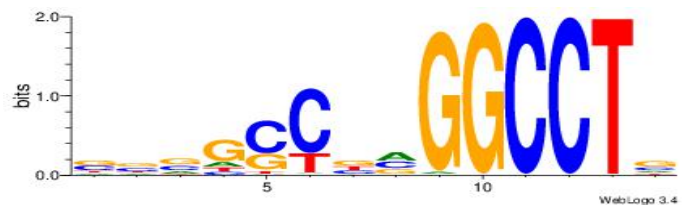
Dataset #: 3
Motif ID: 22
Motif name: Zfx
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 3
Number of overlap: 8
Similarity score: 0.0710499

Alignment:

BBVGCCBVGCCCTV
--SCGCGCGG----

Original motif Consensus sequence: BBVGCCBVGCCCTV

Reverse complement motif Consensus sequence: VAGGCCBBGGCV

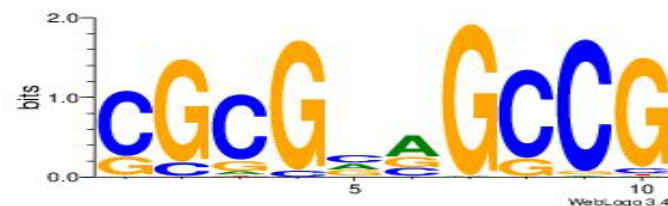


Dataset #: 5 Motif ID: 48 Motif name: TFW3

Original motif Consensus sequence: CGGCYBCGCG



Reverse complement motif Consensus sequence: CGCGBMGCCG

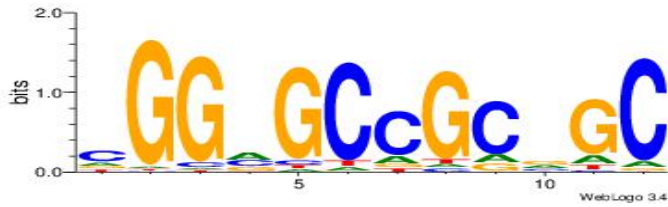


Best Matches for Motif ID 48 (Highest to Lowest)

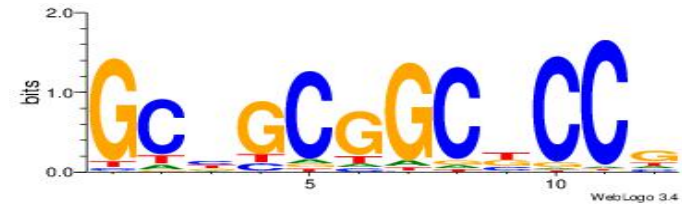
Dataset #:	5
Motif ID:	49
Motif name:	TFF1
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	10
Similarity score:	0.0623879

Alignment:
 CGGVGCCGCVGC
 CGGCYBCGCG--

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGCCGCBCCG



Dataset #: 3
Motif ID: 23
Motif name: Egr1
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 10
Similarity score: 0.0630189

Alignment:

YCGCCACGCH
CGGCYBCGCG-

Original motif Consensus sequence: HCGTGGGCGK



Reverse complement motif Consensus sequence: YCGCCACGCH



Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 10
 Similarity score: 0.0645308

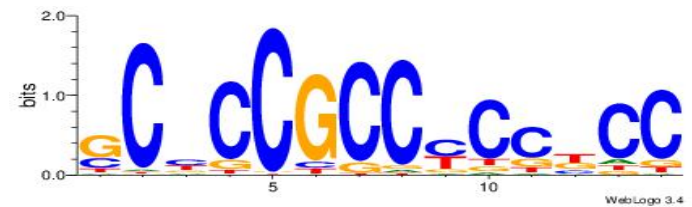
Alignment:

GGMGGRGGCGGVGC
 CGCGBMGCCG-----

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



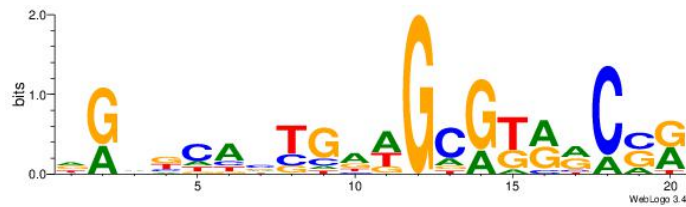
Dataset #: 3
 Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 11
 Number of overlap: 10

Similarity score: 0.0714355

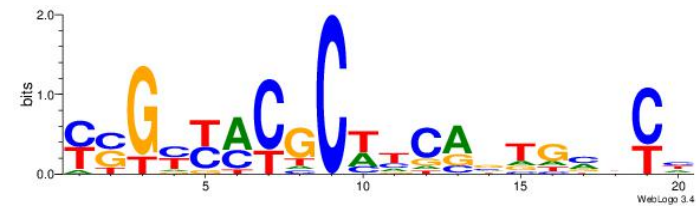
Alignment:

```
MSGKKRCGCWDCABTGBBCD  
-----CGGCYBCGCG
```

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence:
MSGKKRCGCWDCABTGBBCD



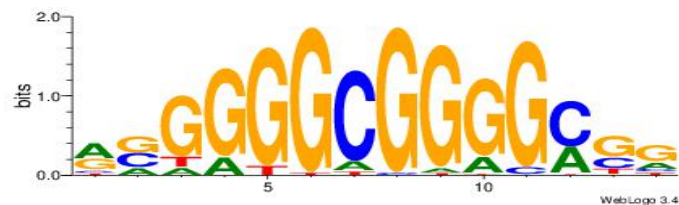
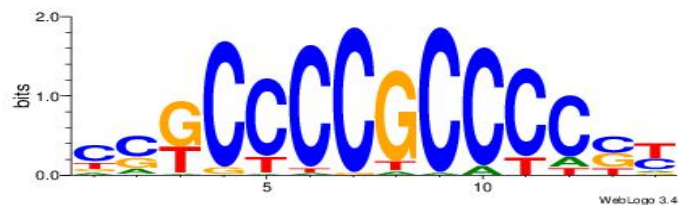
Dataset #: 2
Motif ID: 7
Motif name: Motif 7
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 10
Similarity score: 0.0717594

Alignment:

```
CSKCCCCGCCCCSY  
CGGCYBCGCG----
```

Original motif Consensus sequence: CSKCCCCGCCCCSY

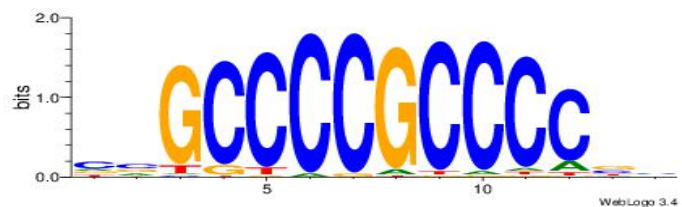
Reverse complement motif Consensus sequence: MSGGGCGGGGY



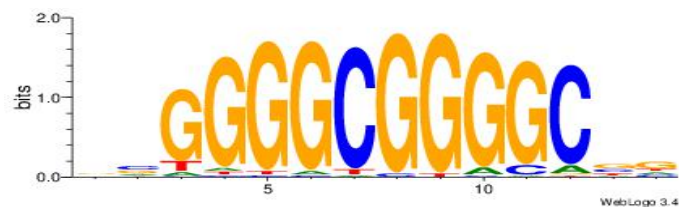
Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0718771

Alignment:
 HVGCCCGCCCCBB
 CGGCYBCGCG----

Original motif Consensus sequence: HVGCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGCGGGGc

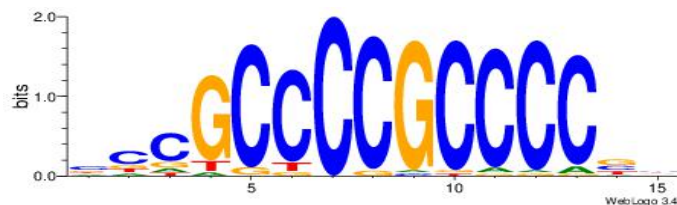


Dataset #: 4
 Motif ID: 38

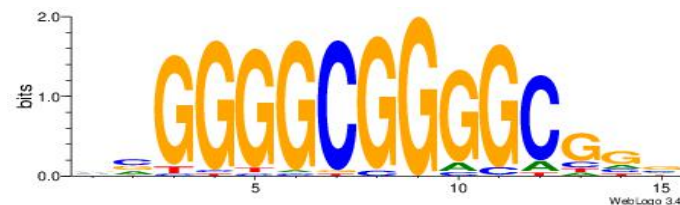
Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 10
 Similarity score: 0.0719604

Alignment:
 BCCGCCCCGCCCCBB
 -CGGCYBCGCG-----

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

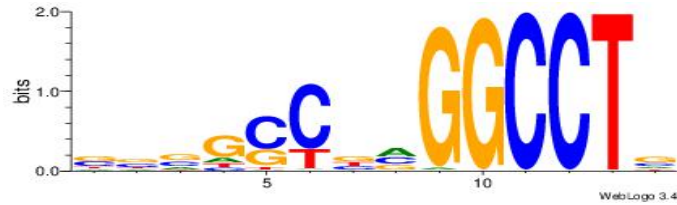


Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 3
 Number of overlap: 10
 Similarity score: 0.0766755

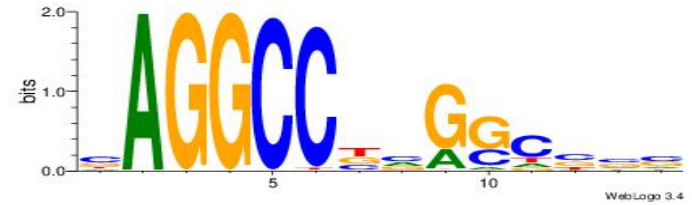
Alignment:

VAGGCCBBGGCVBB
--CGGCYBCGCG--

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCVBB



Dataset #: 5
Motif ID: 54
Motif name: TFM12
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 10
Similarity score: 0.0767689

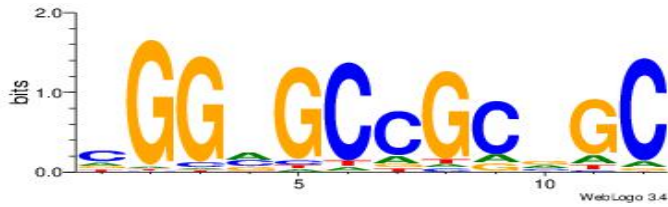
Alignment:

KKKAGGDGGAKKMGBBGKMG
-----CGCGBMGCCG

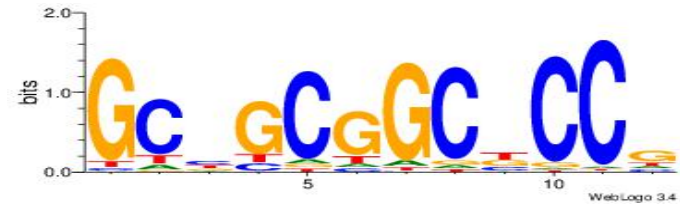
Original motif Consensus sequence: CYYCBCYYYTCCHCCTYYY

Reverse complement motif Consensus sequence:
KKKAGGDGGAKKMGBBGKMG

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGCGGCBCCG



Best Matches for Motif ID 49 (Highest to Lowest)

Dataset #:	5
Motif ID:	50
Motif name:	TFF11
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	1
Number of overlap:	12
Similarity score:	0.0292081

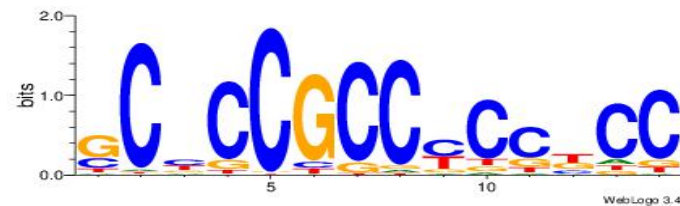
Alignment:

```
GGMGGRGGCGGVGC  
--CGGVGCCGCVGC
```

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC

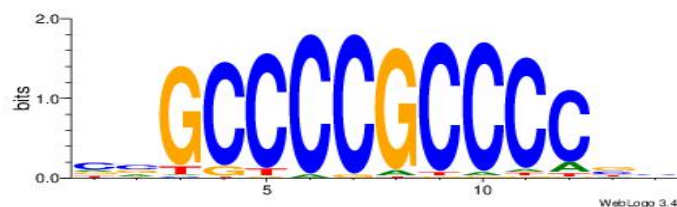


Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0542674

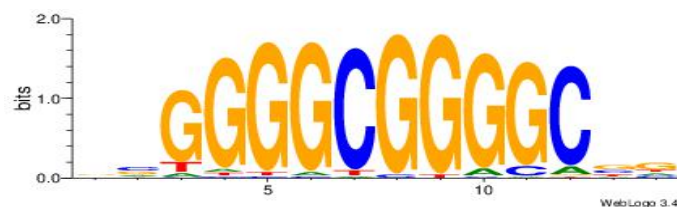
Alignment:

HVGCCCCGCCCCBB
 CGGVGCCGCVGC--

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC



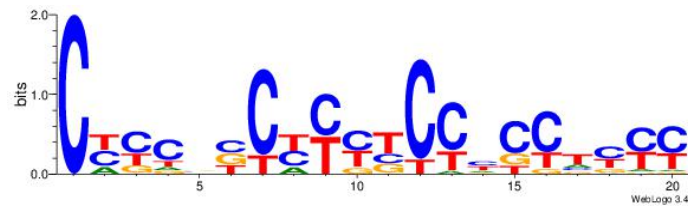
Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 7
 Number of overlap: 12

Similarity score: 0.0543272

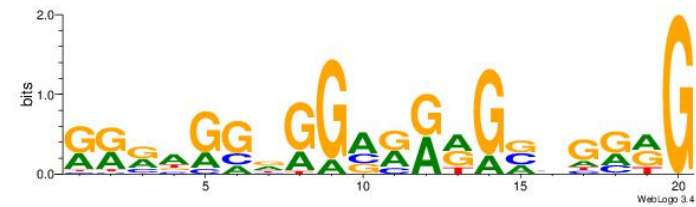
Alignment:

KKKAGGDGGAKKMGBBGKMG
-----CGGVGCCGCVGC--

Original motif Consensus sequence: CYCBBYYYTCCHCCTYYY



Reverse complement motif Consensus sequence:
KKKAGGDGGAKKMGBBGKMG



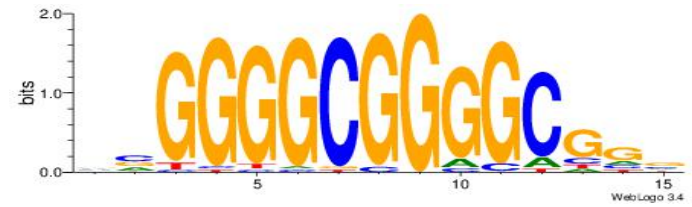
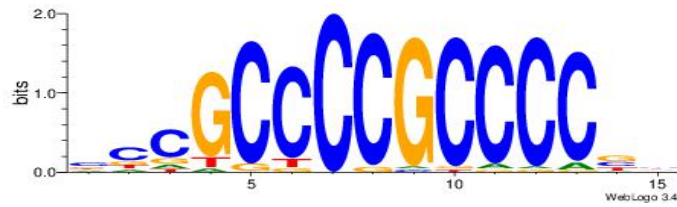
Dataset #: 4
Motif ID: 38
Motif name: cccGCCCCGCCCCsb
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 4
Number of overlap: 12
Similarity score: 0.0548371

Alignment:

BBGGGGCGGGGCGGB
---CGGVGCCGCVGC

Original motif Consensus sequence: BCCGCCCCGCCCCBB

Reverse complement motif Consensus sequence:
BBGGGGCGGGGCGGB



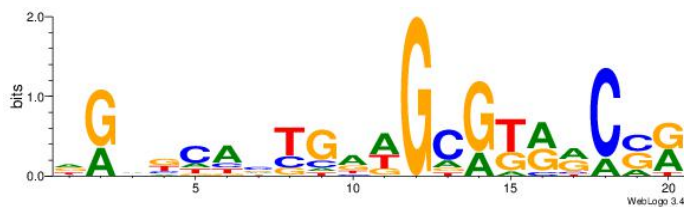
Dataset #: 3
 Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0556962

Alignment:

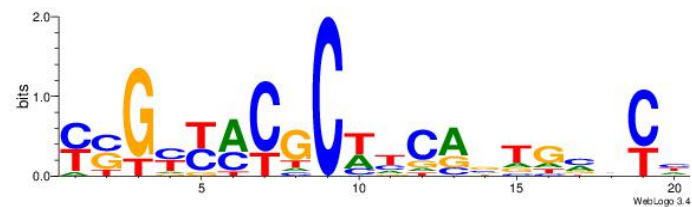
```

DGVCABTGDWCGKRRCSR
GCVGCGGCBCCG-----
  
```

Original motif Consensus sequence: DGVCABTGDWCGKRRCSR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBCD



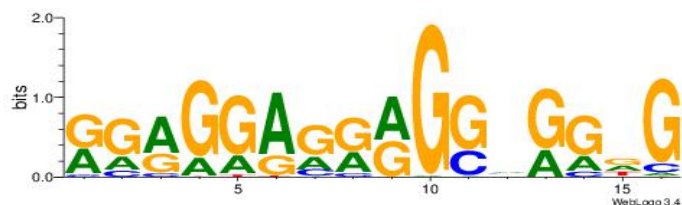
Dataset #: 5

Motif ID: 51
 Motif name: TFM2
 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: 0.0594165

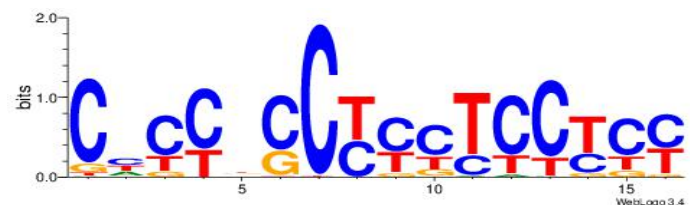
Alignment:

CHCCBCCKMCTCCKCM
 --GCVGCGGCBCCG--

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCCKMCTCCKCM



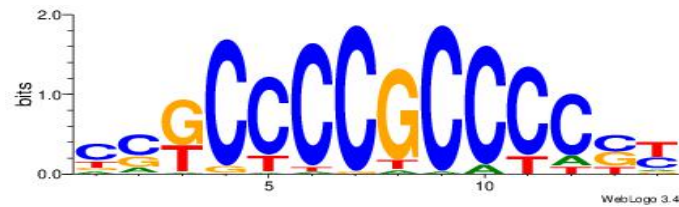
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12

Similarity score: 0.0624366

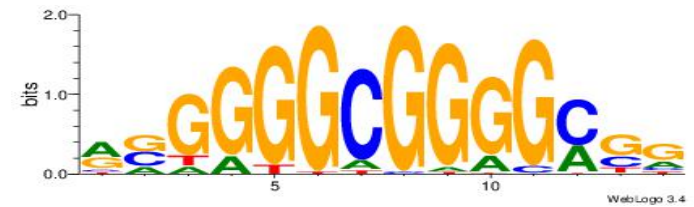
Alignment:

CSKCCCCGCCCSY
GCVGCGGCBCCG--

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGCGGGGY



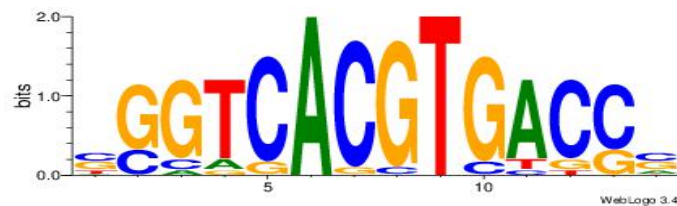
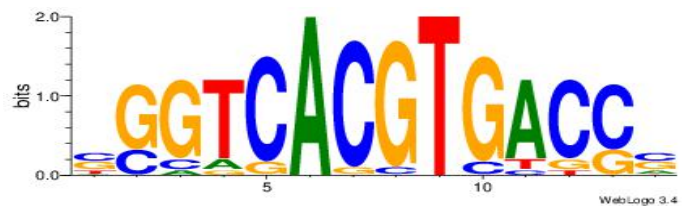
Dataset #: 4
Motif ID: 42
Motif name: sSGTCACGTGACSS
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 12
Similarity score: 0.0777862

Alignment:

SGGTCACGTGACCS
--CGGVGCCGCVGC

Original motif Consensus sequence: SGGTCACGTGACCS

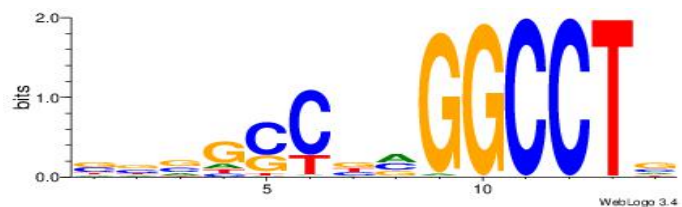
Reverse complement motif Consensus sequence: SGGTCACGTGACCS



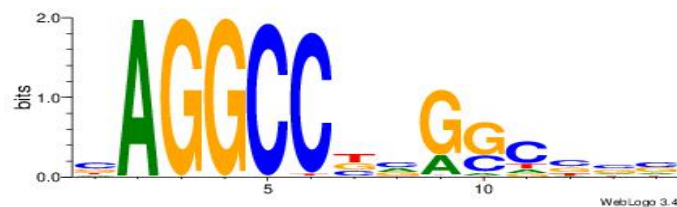
Dataset #: 3
 Motif ID: 22
 Motif name: Zfx
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 2
 Number of overlap: 12
 Similarity score: 0.0779228

Alignment:
 BBVGCCBVGCCCTV
 -GCVGCGGCBCCG-

Original motif Consensus sequence: BBVGCCBVGCCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCV



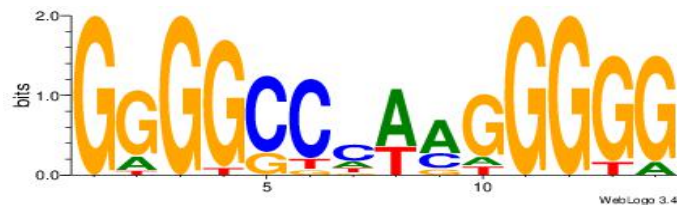
Dataset #: 3
 Motif ID: 30

Motif name: PLAG1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 12
 Similarity score: 0.0809608

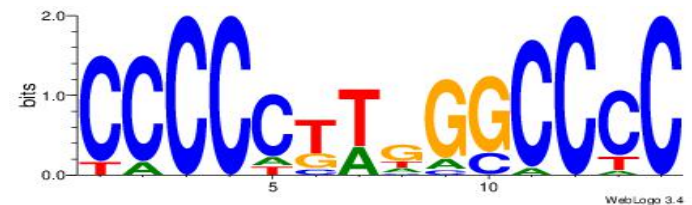
Alignment:

GGGGCCCAAGGGGG
 CGGVGCCGCVGC--

Original motif Consensus sequence: GGGGCCCAAGGGGG



Reverse complement motif Consensus sequence: CCCCTTGGGCC

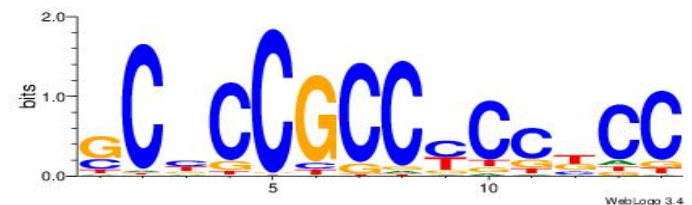


Dataset #: 5 Motif ID: 50 Motif name: TFF11

Original motif Consensus sequence: GGMGRRGGCGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



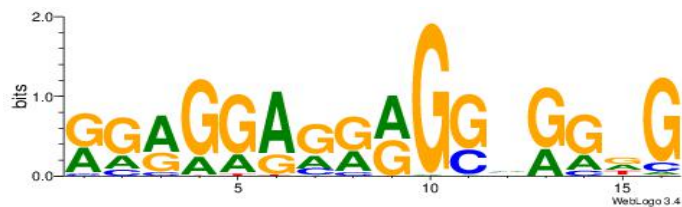
Best Matches for Motif ID 50 (Highest to Lowest)

Dataset #: 5
 Motif ID: 51
 Motif name: TFM2
 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: 0.033716

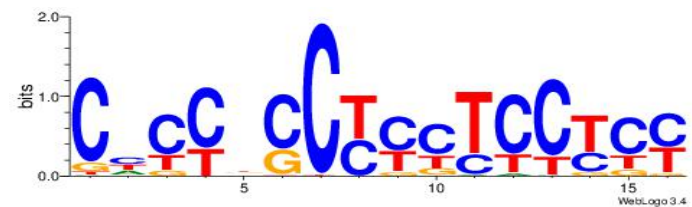
Alignment:

RGRGGAGRRGGHGGDG
 GGMGRRGGCGGVGC--

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCKMCTCCKCM



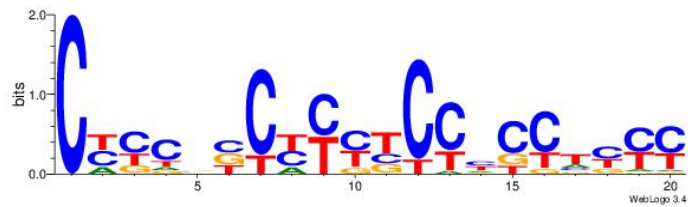
Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 6

Number of overlap: 14
Similarity score: 0.0386905

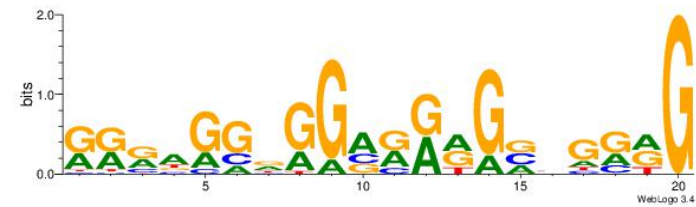
Alignment:

CYYCBBCYYYYTCCHCCTYYY
-----GCVCCGCCMCCYCC-

Original motif Consensus sequence: CYYCBBCYYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG

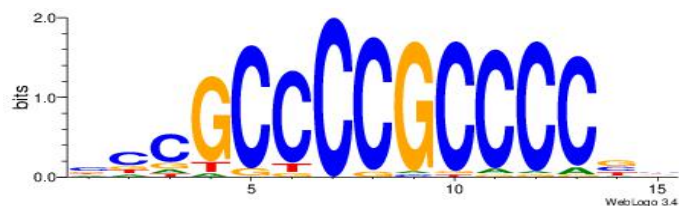


Dataset #: 4
Motif ID: 38
Motif name: cccGCCCCGCCCCsb
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 2
Number of overlap: 14
Similarity score: 0.0548198

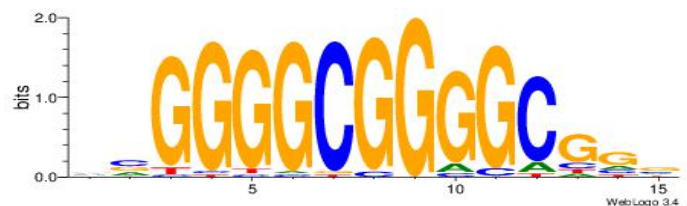
Alignment:

BBGGGGCGGGGCGGB
GGMGGRGGCGGVGC-

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB

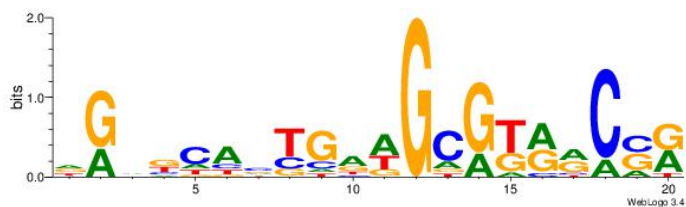


Dataset #: 3
Motif ID: 31
Motif name: Pax5
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 3
Number of overlap: 14
Similarity score: 0.0573129

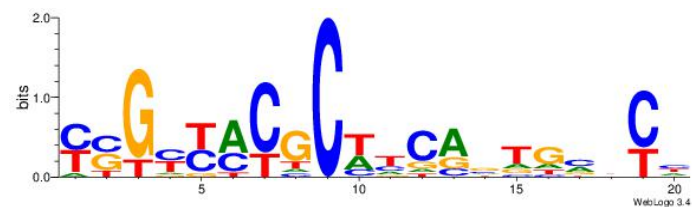
Alignment:

DGVBCABTGDWGCGRRCR
----GGMGRRGGCGGVGC--

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD

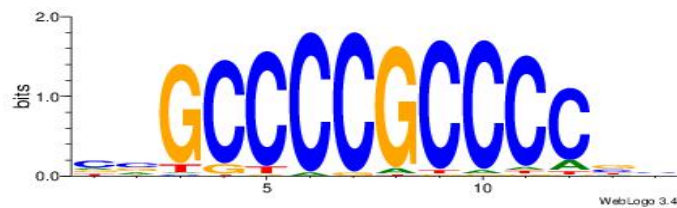


Dataset #: 4
 Motif ID: 36
 Motif name: csGCCCCGCCCCsc
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0.0652173

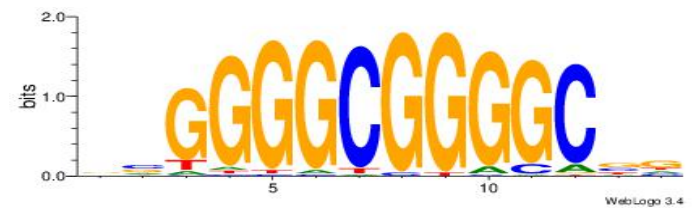
Alignment:

BBGGGGCGGGCVD
 GGMGGRGGCGGVGC

Original motif Consensus sequence: HVGCCCCGCCCB



Reverse complement motif Consensus sequence: BBGGGGCGGGC



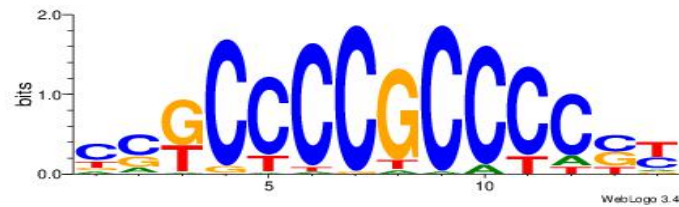
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14

Similarity score: 0.0661275

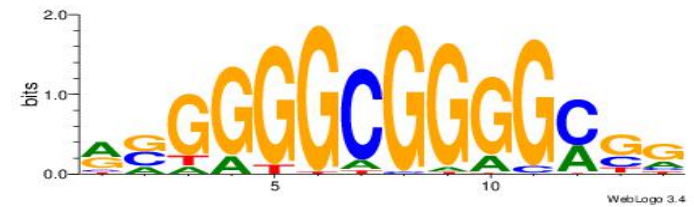
Alignment:

MSGGGGCGGGYSG
GGMGGRGGCGGVGC

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGY



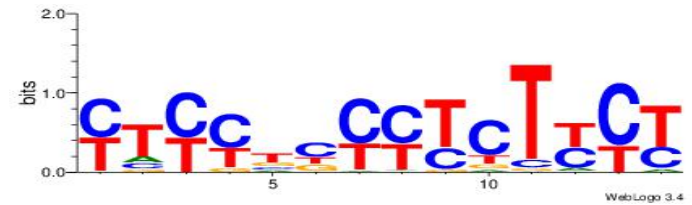
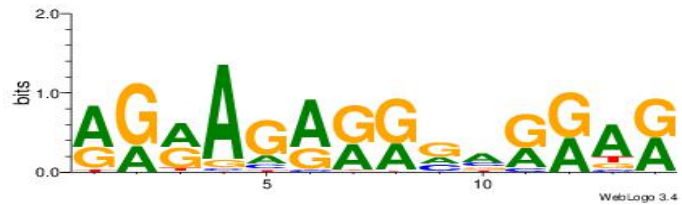
Dataset #: 2
Motif ID: 2
Motif name: Motif 2
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0.0714286

Alignment:

RGRAGARRGARRAR
GGMGGRGGCGGVGC

Original motif Consensus sequence: RGRAGARRGARRAR

Reverse complement motif Consensus sequence: MTMMTCMMTCTK



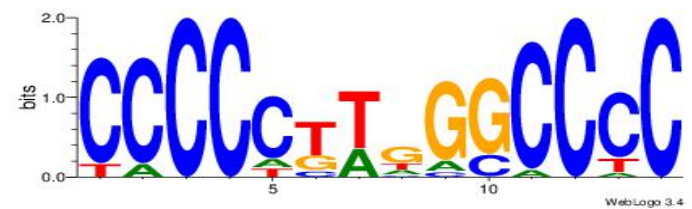
Dataset #: 3
 Motif ID: 30
 Motif name: PLAG1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.574939

Alignment:
 -CCCCCTTGGGCCCC
 GCVCCGCCMCCYCC-

Original motif Consensus sequence: GGGGCCAAGGGG



Reverse complement motif Consensus sequence: CCCCCTTGGGCC



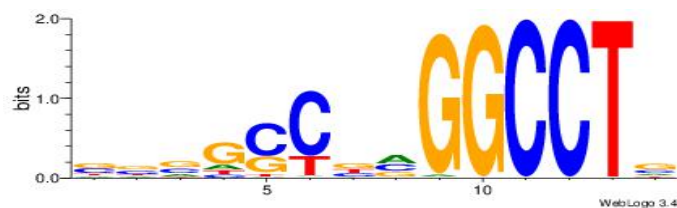
Dataset #: 3
 Motif ID: 22

Motif name: Zfx
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 2
 Number of overlap: 13
 Similarity score: 0.577861

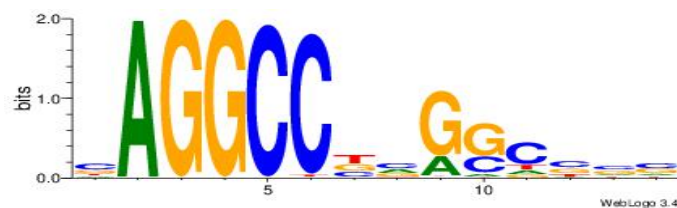
Alignment:

VAGGCCBBGGCVBB-
 -GGMGGRGGCGGVGC

Original motif Consensus sequence: BBVGCCBVGGCCTV



Reverse complement motif Consensus sequence: VAGGCCBBGGCVBB-

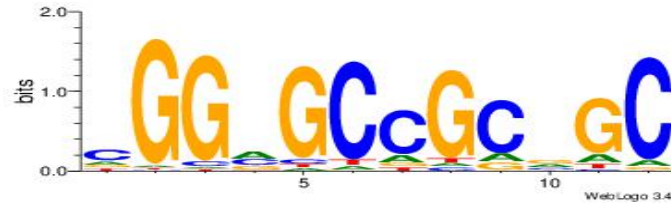


Dataset #: 5
 Motif ID: 49
 Motif name: TFF1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 12
 Similarity score: 1.02659

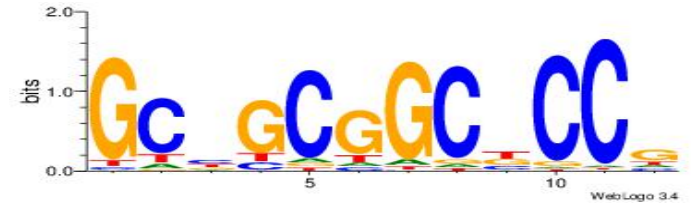
Alignment:

--CGGVGCCGCVGC
GGMGGRGGCGGVGC

Original motif Consensus sequence: CGGVGCCGCVGC

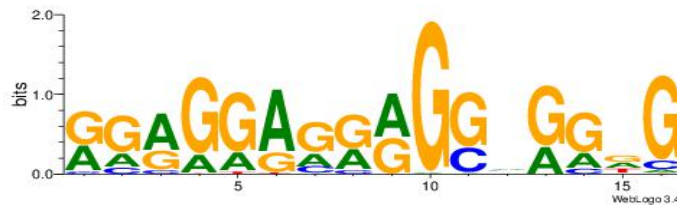


Reverse complement motif Consensus sequence: GCVGCGGCBCCG

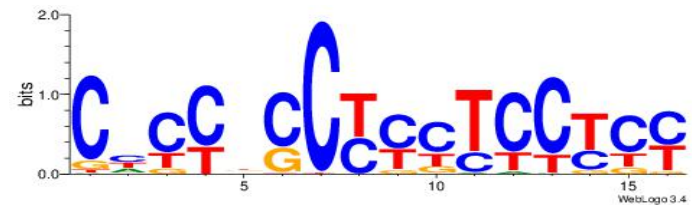


Dataset #: 5 Motif ID: 51 Motif name: TFM2

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence:
CHCCBCKMCTCCKCM



Best Matches for Motif ID 51 (Highest to Lowest)

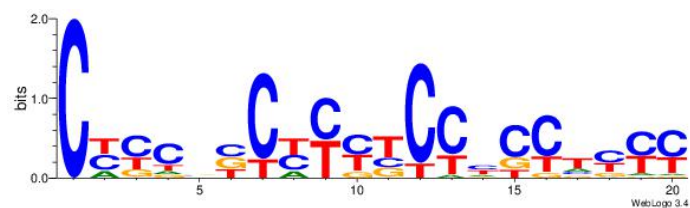
Dataset #:	5
Motif ID:	54
Motif name:	TFM12
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward

Position number: 1
Number of overlap: 16
Similarity score: 0.0331473

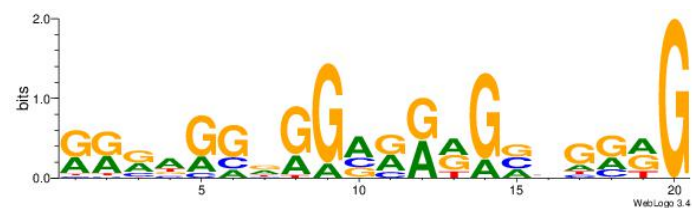
Alignment:

CYYCBBCYYYYTCCHCCTYYY
CHCCBCKMCTCCKCM-----

Original motif Consensus sequence: CYYCBBCYYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG

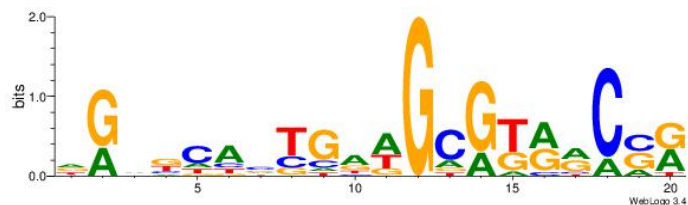


Dataset #: 3
Motif ID: 31
Motif name: Pax5
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 2
Number of overlap: 16
Similarity score: 0.0668155

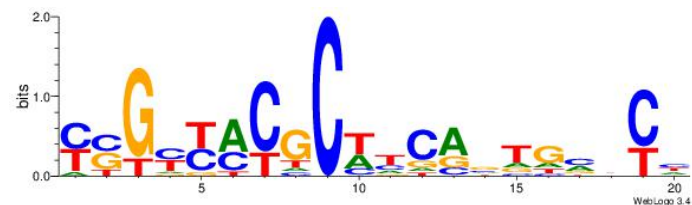
Alignment:

DGVBCABTGDWCGKRRCSR
-RGRGGAGRRGGHGGDG---

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD



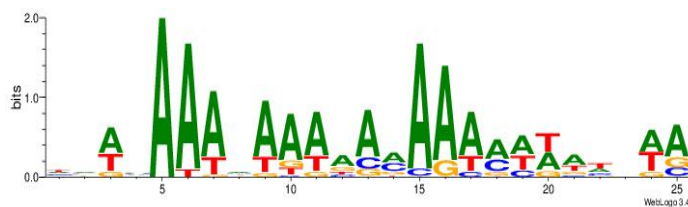
Dataset #: 5
Motif ID: 56
Motif name: TFM11
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 8
Number of overlap: 16
Similarity score: 0.0794752

Alignment:

HDWVAAAHAAAAAMAAAMWWWHBWA
-----RGRGGAGRRGGHGGDG--

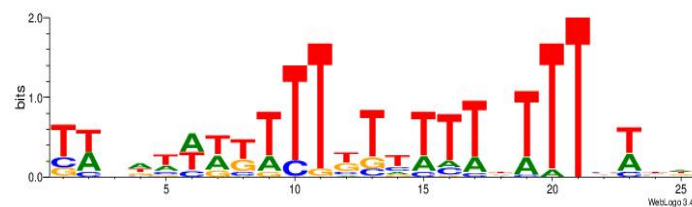
Original motif Consensus sequence:

HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:

TWVHWWWYTTTTTTTTTTTTHTTTVWBH

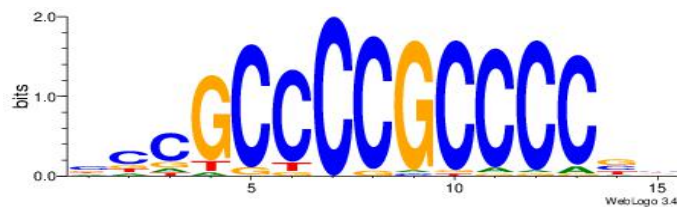


Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 15
 Similarity score: 0.558405

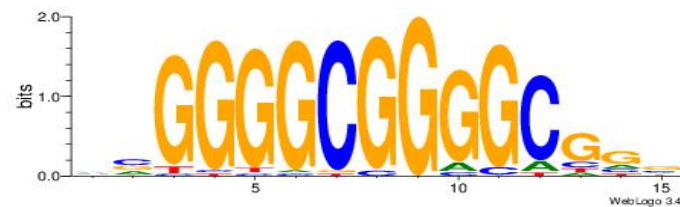
Alignment:

BCCGCCCCGCCCCBB-
 CHCCBCKMCTCCKCM

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB



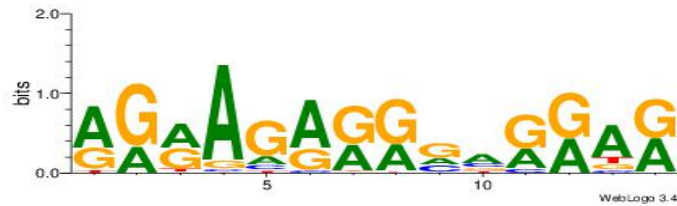
Dataset #: 2
 Motif ID: 2
 Motif name: Motif 2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1

Number of overlap: 14
Similarity score: 1.01195

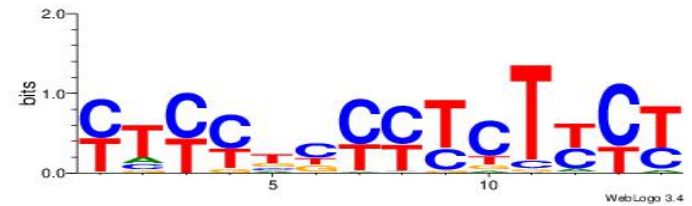
Alignment:

--RGRAGARRGARRAR
RGRGGAGRRGGHGGDG

Original motif Consensus sequence: RGRAGARRGARRAR



Reverse complement motif Consensus sequence: MTMMTCMMTCTK



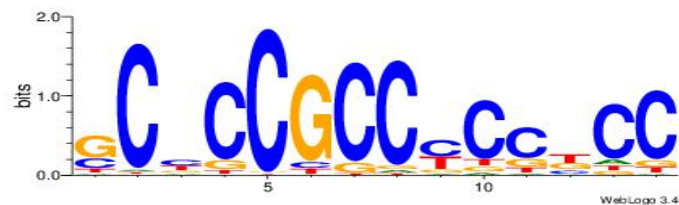
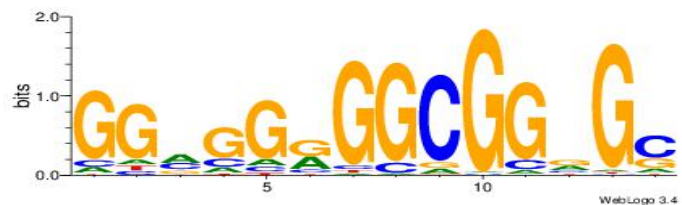
Dataset #: 5
Motif ID: 50
Motif name: TFF11
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 1.03372

Alignment:

GGMGGRGGCGGVGC--
RGRGGAGRRGGHGGDG

Original motif Consensus sequence: GGMGGRGGCGGVGC

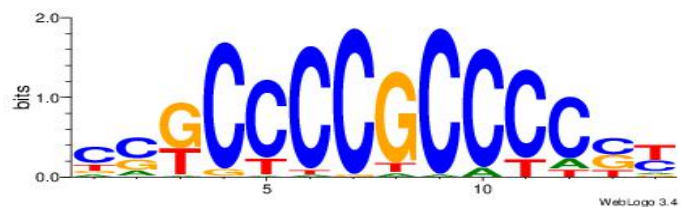
Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



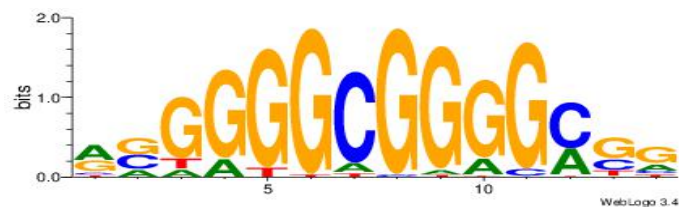
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 1.05908

Alignment:
 MSGGGGCGGGYSG--
 RGRGGAGRRGGHGGDG

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGGCGGGY



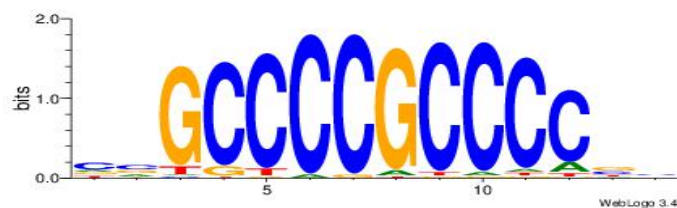
Dataset #: 4
 Motif ID: 36

Motif name: csGCCCCGCCCCsc
 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: 1.05955

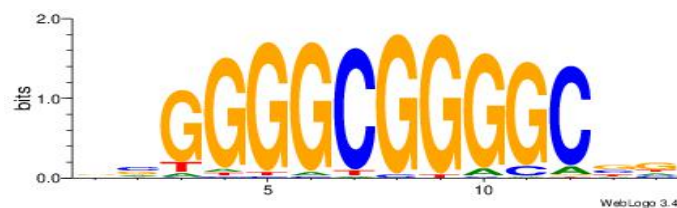
Alignment:

HVGCCCCGCCCCBB--
 CHCCBCKMCTCCKCM

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGCGGGGC



Dataset #: 3
 Motif ID: 30
 Motif name: PLAG1
 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: 1.07365

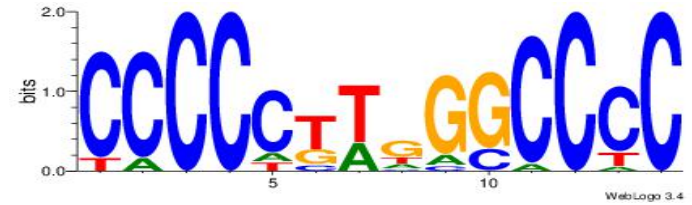
Alignment:

```
--CCCCCTTGGGCCCC  
CHCCBCKMCTCCKCM
```

Original motif Consensus sequence: GGGCCCAAGGGG



Reverse complement motif Consensus sequence: CCCCTTGGGCC



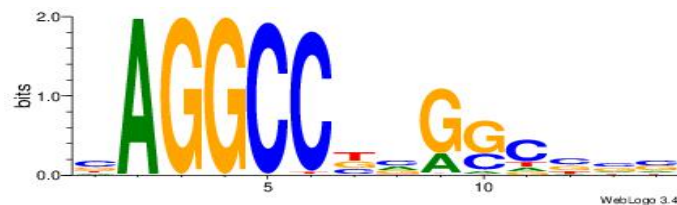
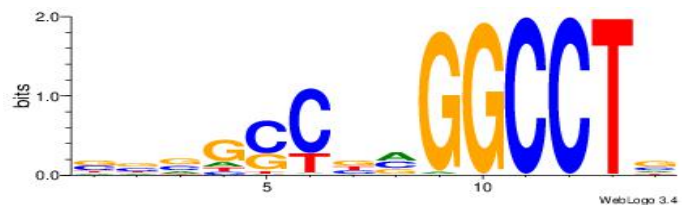
Dataset #:	3
Motif ID:	22
Motif name:	Zfx
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	12
Similarity score:	2.06908

Alignment:

```
VAGGCCBBGGCVBB----  
--RGRGGAGRRGGHGGDG
```

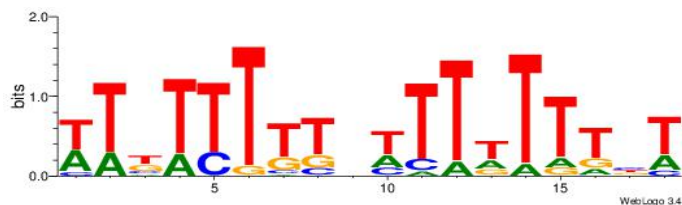
Original motif Consensus sequence: BBVGCCBVGGCCTV

Reverse complement motif Consensus sequence: VAGGCCBBGGCVB

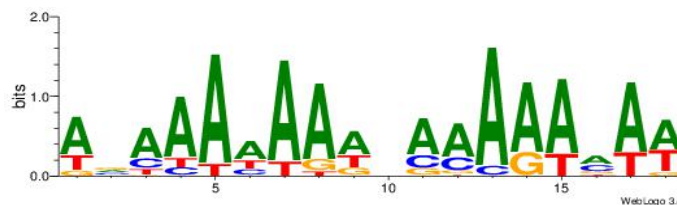


Dataset #: 5 Motif ID: 52 Motif name: TFM1

Original motif Consensus sequence: WTKTTTTTHWTTTTTTBT



Reverse complement motif Consensus sequence: ABAAAAAWHAAAAARAW



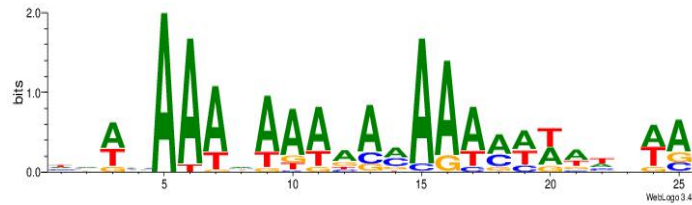
Best Matches for Motif ID 52 (Highest to Lowest)

Dataset #:	5
Motif ID:	56
Motif name:	TFM11
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

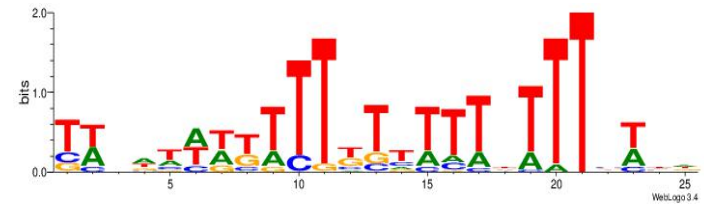
Alignment:

TWVHWWYTTTYTTTTHTTTVWBH
 -----WTKTTTTTHWTTTTTTBT--

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
 TWVHWWYTTTYTTTTHTTTVWBH



Dataset #: 5
 Motif ID: 55
 Motif name: TFM13
 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: 0.0364672

Alignment:
 ATKAAWTTTTRMAABAHTW
 ABAAAAAWhAAAAARAW--

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW

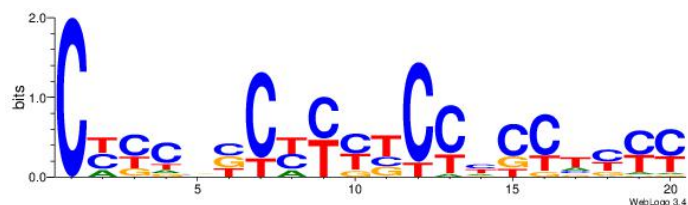
Reverse complement motif Consensus sequence:
 WAHHTVTTYKAAAATTRAT

Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 17
 Similarity score: 0.572783

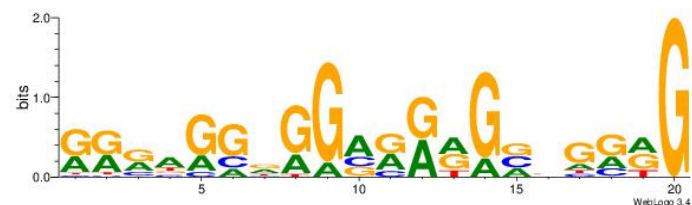
Alignment:

CYYCBBCYYYTCCHCCTYYY-
 ---WTKTTTTTHWTTTTTBT

Original motif Consensus sequence: CYYCBBCYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG



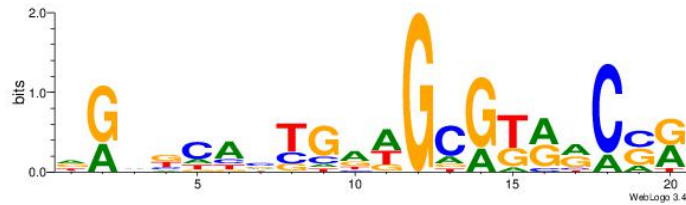
Dataset #: 3
 Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 16

Similarity score: 1.07322

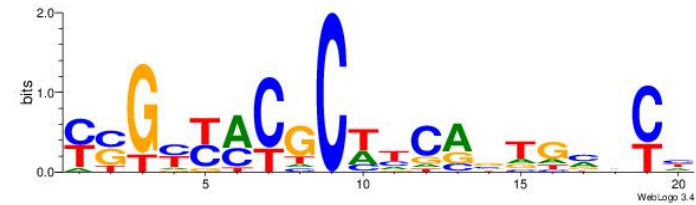
Alignment:

```
--MSGKKRCGCWDCABTGBBCD  
WKTTTTTTHWTTTTTTBT----
```

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence:
MSGKKRCGCWDCABTGBBCD



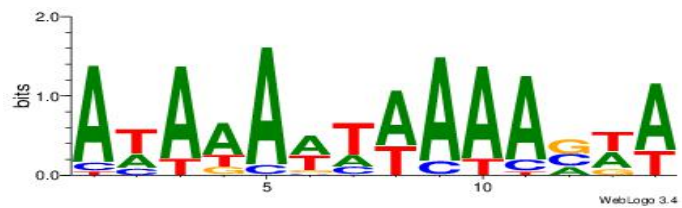
Dataset #: 2
Motif ID: 3
Motif name: Motif 3
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 2.01877

Alignment:

```
----TWSTTTWAWTTTWT  
WKTTTTTTHWTTTTTTBT
```

Original motif Consensus sequence: AWAAAWTAAASWA

Reverse complement motif Consensus sequence: TWSTTTWAWTTTWT



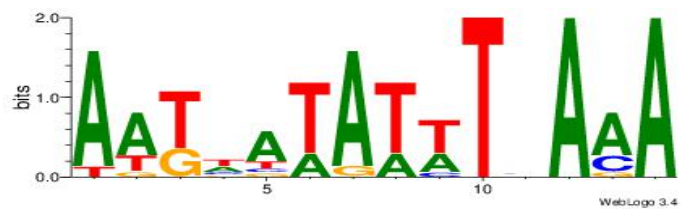
Dataset #: 2
 Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 2.05025

Alignment:

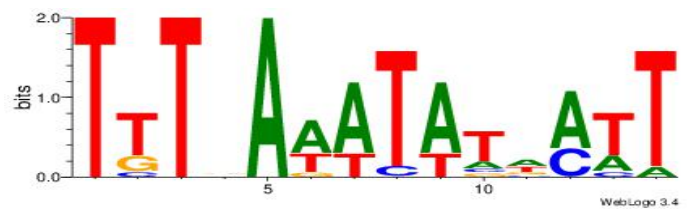
```

----AATHATATWTHAAA
ABAAAAAAWHAAAAARAW
  
```

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT



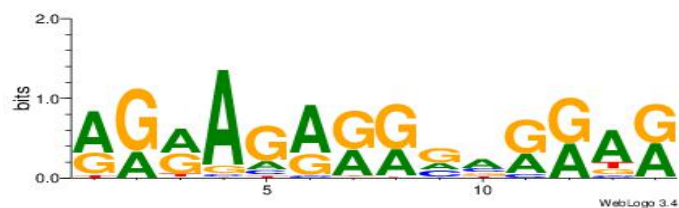
Dataset #: 2
 Motif ID: 2

Motif name: Motif 2
 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: 2.05187

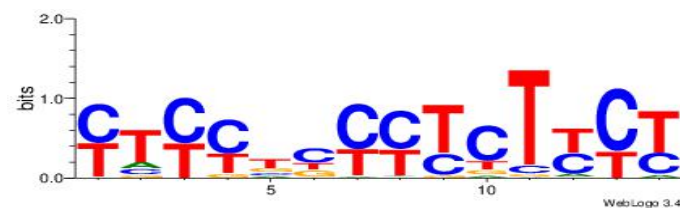
Alignment:

MTMMTCMMTCTKCK-----
 WKTTTTTHWTTTTTTBT

Original motif Consensus sequence: RGRAGARRGARRAR



Reverse complement motif Consensus sequence: MTMMTCMMTCTKCK



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 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: 2.0566

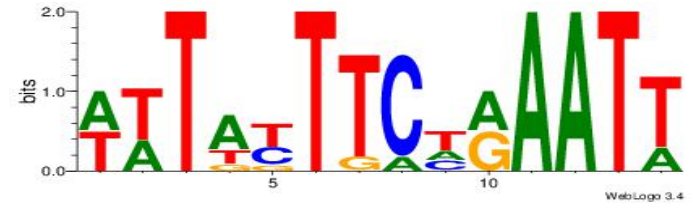
Alignment:

AATTYDGAARTAWW-----
ABAAAAAWhAAAAARAW

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAT



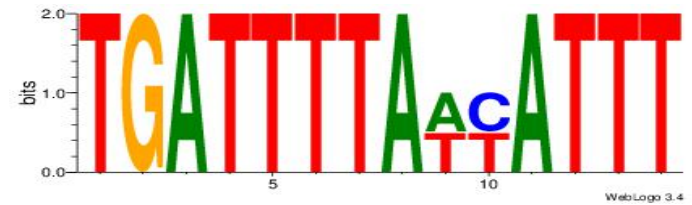
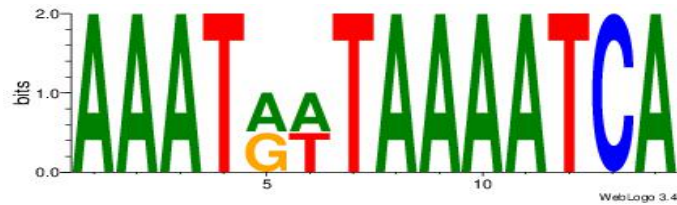
Dataset #: 2
Motif ID: 8
Motif name: Motif 8
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 2.07166

Alignment:

AAATRWTA AAAATCA-----
ABAAAAAWhAAAAARAW

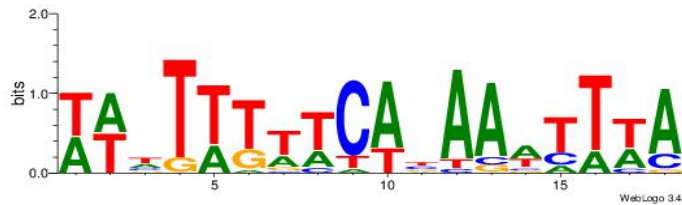
Original motif Consensus sequence: AAATRWTA AAAATCA

Reverse complement motif Consensus sequence: TGATTTAWKATT

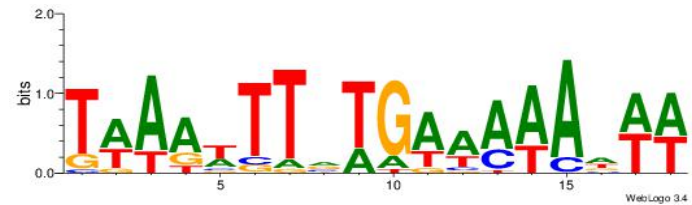


Dataset #: 5 Motif ID: 53 Motif name: TFM3

Original motif Consensus sequence: WWHTTTTTCABAATTWA



Reverse complement motif Consensus sequence: TWAAWTTVTGAAAAHWW



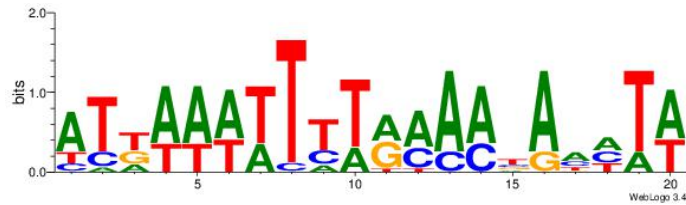
Best Matches for Motif ID 53 (Highest to Lowest)

Dataset #:	5
Motif ID:	55
Motif name:	TFM13
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	18
Similarity score:	0.013876

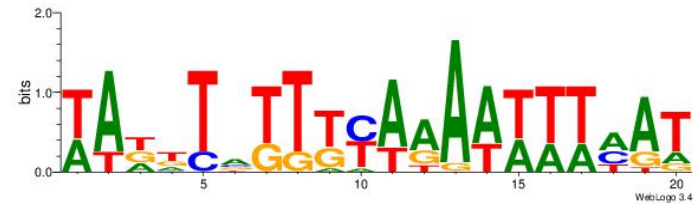
Alignment:

ATKAAWTTTTRMAABAHTW
 -TAAWTTVTGAAAAHWW-

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



Reverse complement motif Consensus sequence:
 WAHHTVTTYKAAAATTRAT



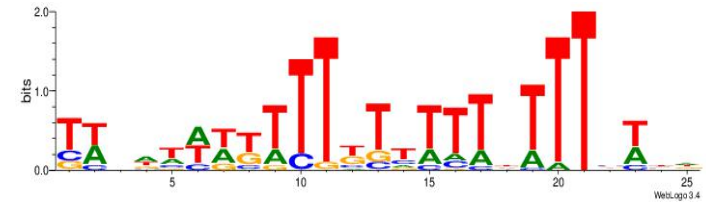
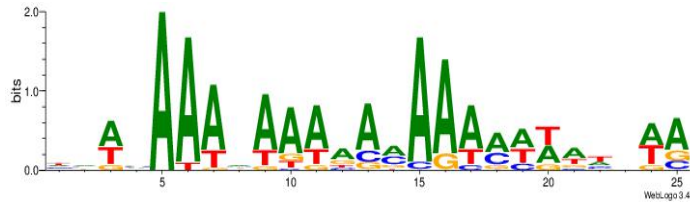
Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 5
 Number of overlap: 18
 Similarity score: 0.0402327

Alignment:

TWVHWWWYTTTTYTTTTTHTTTVWBH
 ---WWHTTTTTCABAAWTTWA---

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA

Reverse complement motif Consensus sequence:
 TWVHWWWYTTTTYTTTTTHTTTVWBH

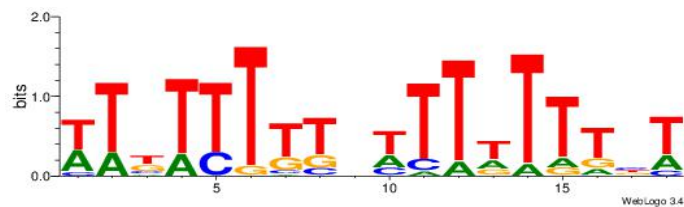


Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 18
 Similarity score: 0.0432207

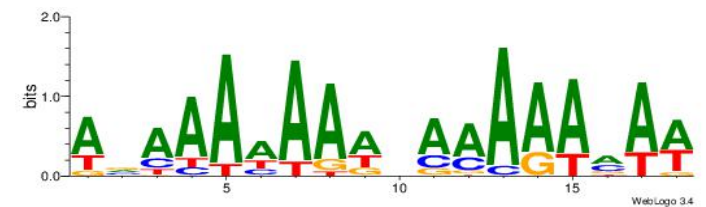
Alignment:

WKTTTTTHWTTTTTBT
 WWHTTTTTCABAAWTTWA

Original motif Consensus sequence: WKTTTTTHWTTTTTBT



Reverse complement motif Consensus sequence: ABAAAAAWHAAAAARAW



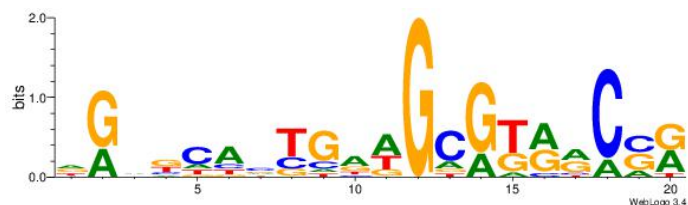
Dataset #: 3

Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 4
 Number of overlap: 17
 Similarity score: 0.561883

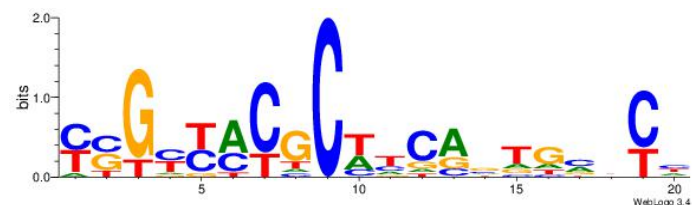
Alignment:

-MSGKKRCGCWDCABTGBBBCD
 WWHTTTTTTCABAAWTTWA---

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBBCD



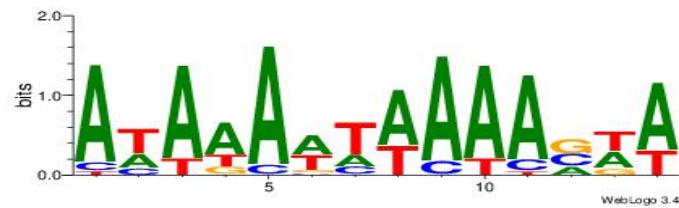
Dataset #: 2
 Motif ID: 3
 Motif name: Motif 3
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14

Similarity score: 2.04564

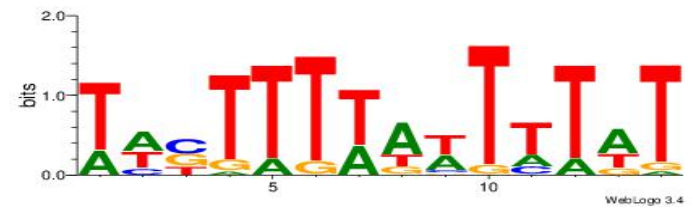
Alignment:

```
----TWSTTTWAWTTTWT  
WWHTTTTTTCABAAWTTWA
```

Original motif Consensus sequence: AWAAAWTWAAASWA



Reverse complement motif Consensus sequence: TWSTTTWAWTTTWT



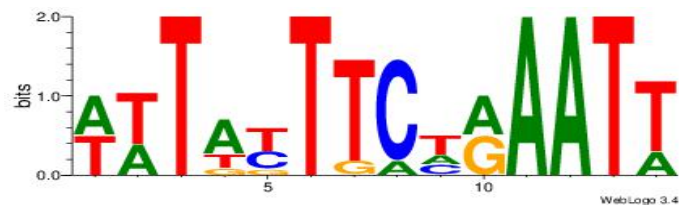
Dataset #: 2
Motif ID: 6
Motif name: Motif 6
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 2.04628

Alignment:

```
WWTAKTTCDKAATT----  
TWAAWTTVTGAAAAAHWW
```

Original motif Consensus sequence: AATTYDGAARTAWW

Reverse complement motif Consensus sequence: WWTAKTTCDKAATT

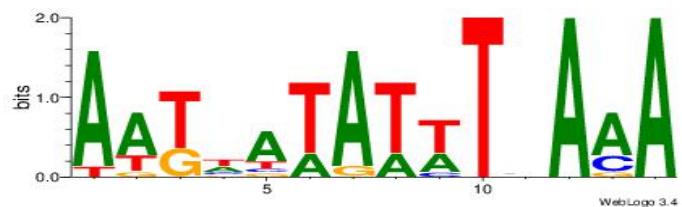


Dataset #: 2
 Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 2.04784

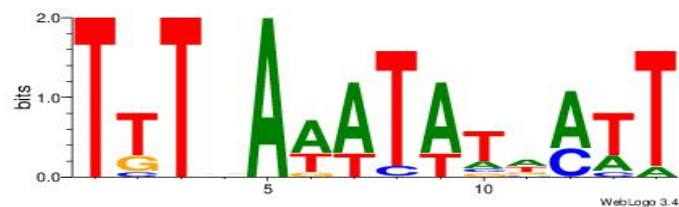
Alignment:

AATHATATWTHAAA-----
 WWHTTTTTTCABAAWTTWA

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT



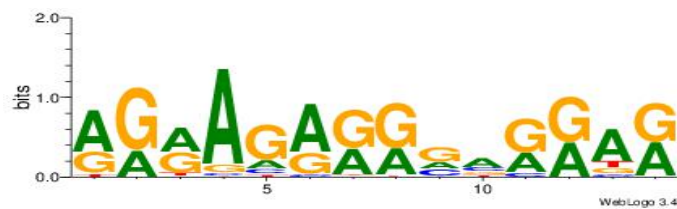
Dataset #: 2
 Motif ID: 2

Motif name: Motif 2
 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: 2.56928

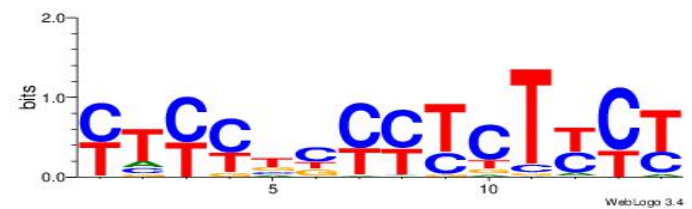
Alignment:

-----RGRAGARRGARRAR
 TWAAWTTVTGAAAAAHWW-

Original motif Consensus sequence: RGRAGARRGARRAR



Reverse complement motif Consensus sequence: MTMMTCMMTCTK

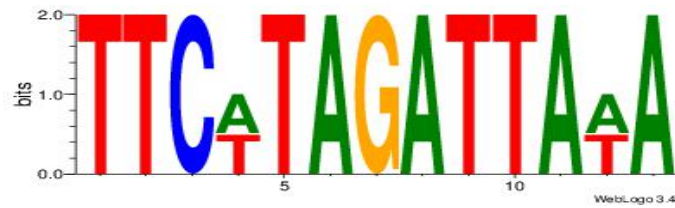


Dataset #: 2
 Motif ID: 19
 Motif name: Motif 19
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 13
 Similarity score: 2.56949

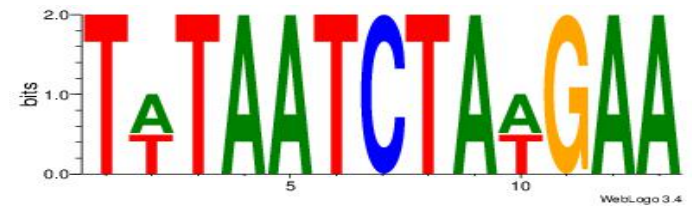
Alignment:

-----TWTAACTAWGAA
WWHTTTTTTCABAAWTTWA

Original motif Consensus sequence: TTCWTAGATTAWA



Reverse complement motif Consensus sequence: TWTAACTAWGAA



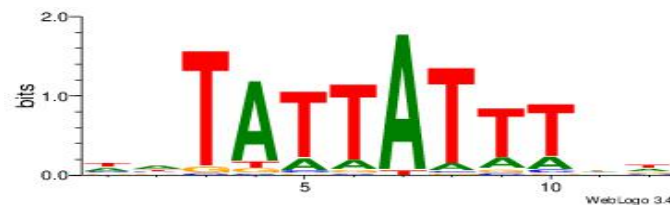
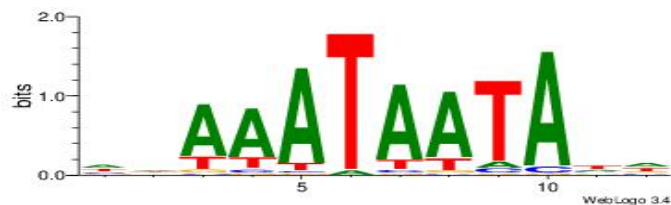
Dataset #: 4
Motif ID: 41
Motif name: wwAAATAATAtw
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 12
Similarity score: 3.0422

Alignment:

-----HDAAATAATADD
TWAAWTTVTGAAAAAHWW

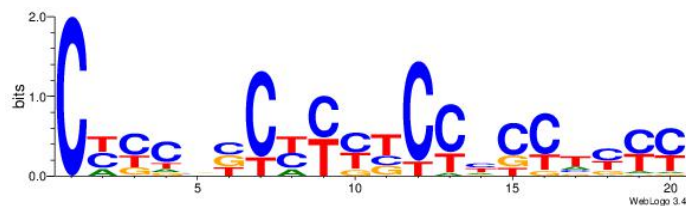
Original motif Consensus sequence: HDAAATAATADD

Reverse complement motif Consensus sequence: DDTATTATTDH

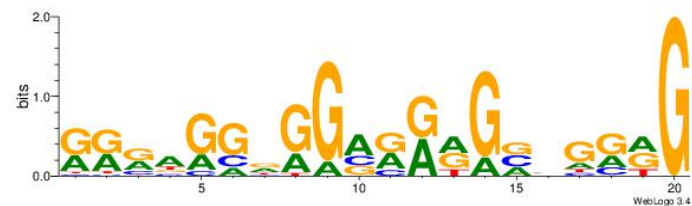


Dataset #: 5 Motif ID: 54 Motif name: TFM12

Original motif Consensus sequence: **CYYCBCYYYTCCHCCTYYY**



Reverse complement motif Consensus sequence: **KKKAGGDGGAKKMGBBGKMG**



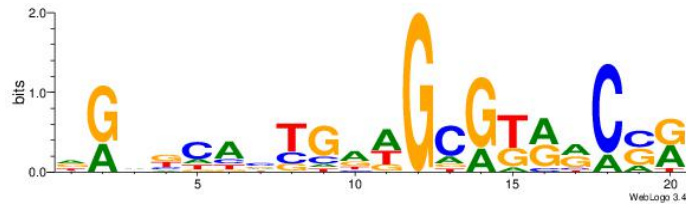
Best Matches for Motif ID 54 (Highest to Lowest)

Dataset #:	3
Motif ID:	31
Motif name:	Pax5
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	20
Similarity score:	0.0458155

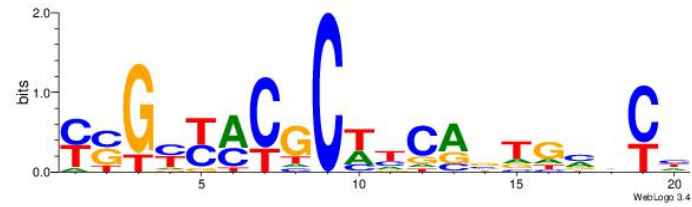
Alignment:

MSGKKRCGCWDCABTGBBCD
 CYYCBCYYYTCCHCCTYYY

Original motif Consensus sequence: DGVBCABTGDWGCGRRCR



Reverse complement motif Consensus sequence:
 MSGKKRCGCWDCABTGBBCD



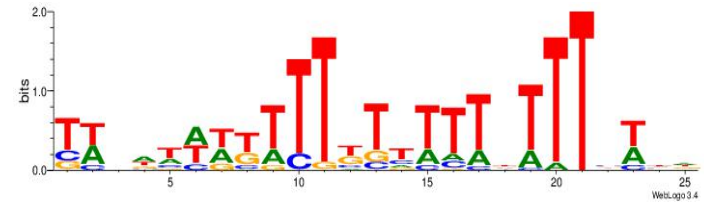
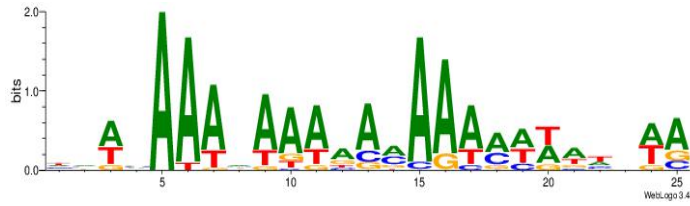
Dataset #: 5
 Motif ID: 56
 Motif name: TFM11
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 20
 Similarity score: 0.0573204

Alignment:

TWVHWWWYTTTTYTTTTTHTTTVWBH
 CYYCBCYYYTCCHCCTYYY-----

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA

Reverse complement motif Consensus sequence:
 TWVHWWWYTTTTYTTTTTHTTTVWBH



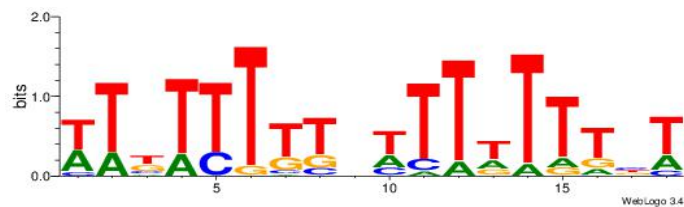
Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 17
 Similarity score: 1.56255

Alignment:

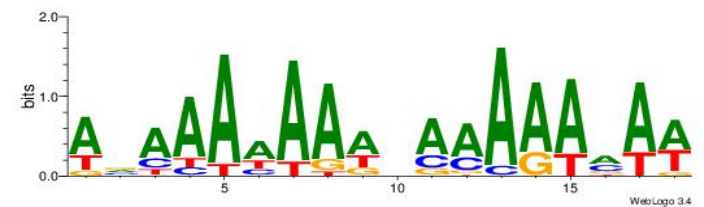
```

---WTKTTTTTHWTTTTTBT
CYYCBBCYYYTCCHCCTYYY-
  
```

Original motif Consensus sequence: WTKTTTTTHWTTTTTBT



Reverse complement motif Consensus sequence: ABAAAAAWHAAAAARAW



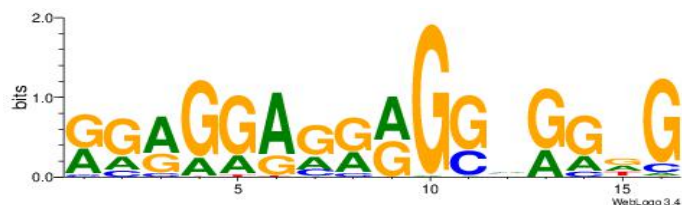
Dataset #: 5

Motif ID: 51
 Motif name: TFM2
 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: 2.01568

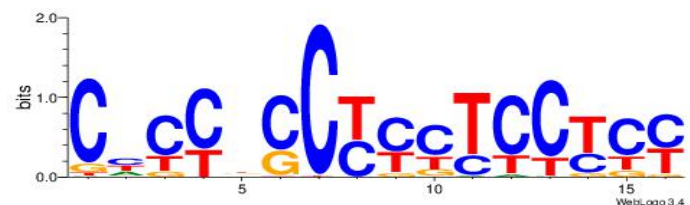
Alignment:

RGRGGAGRRGGHGGDG-----
 KKKAGGDGGAKKMGBBGKMG

Original motif Consensus sequence: RGRGGAGRRGGHGGDG



Reverse complement motif Consensus sequence: CHCCBCCKMCTCCKCM



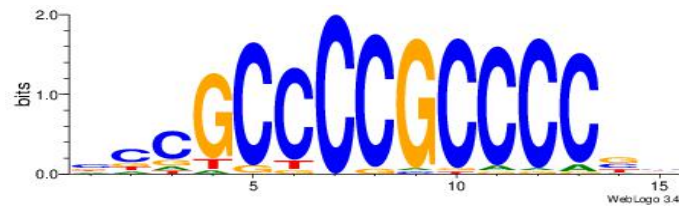
Dataset #: 4
 Motif ID: 38
 Motif name: cccGCCCCGCCCCsb
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 15

Similarity score: 2.55221

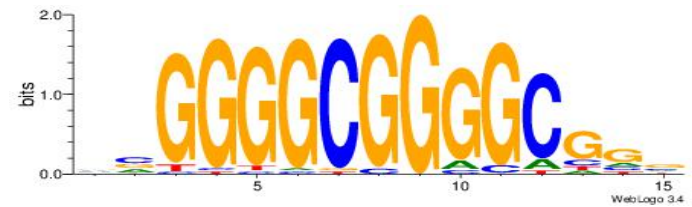
Alignment:

-----BCCGCCCCGCCCCBB
CYYCBBCYYTTCCHCCTYY

Original motif Consensus sequence: BCCGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB



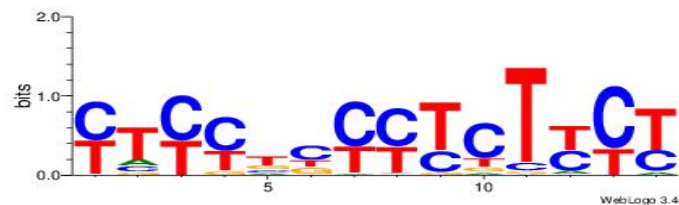
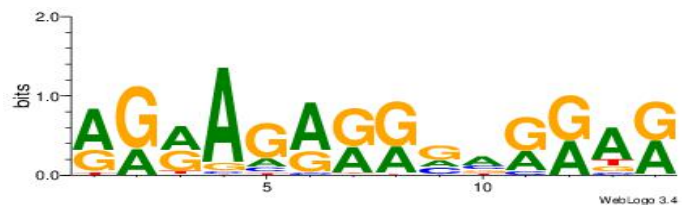
Dataset #: 2
Motif ID: 2
Motif name: Motif 2
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 3.0395

Alignment:

-----RGRAGARRGARRAR
KKKAGGDGGAKKMGBBGKMG

Original motif Consensus sequence: RGRAGARRGARRAR

Reverse complement motif Consensus sequence: MTMMTCMMTCTK



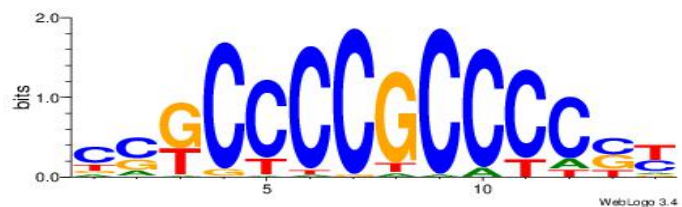
Dataset #: 2
 Motif ID: 7
 Motif name: Motif 7
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 3.04463

Alignment:

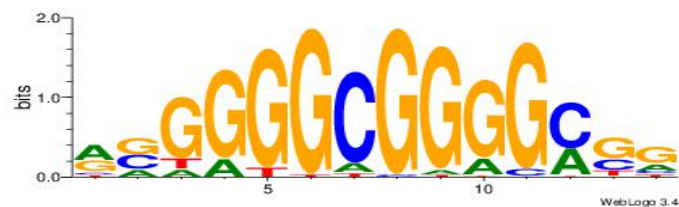
```

-----CSKCCCCGCCCSY
CYVCBBCYYYTCCHCCTYYY
  
```

Original motif Consensus sequence: CSKCCCCGCCCSY



Reverse complement motif Consensus sequence: MSGGGCGGGY



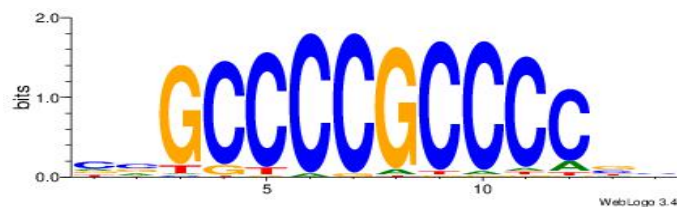
Dataset #: 4
 Motif ID: 36

Motif name: csGCCCCGCCCCsc
 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: 3.05024

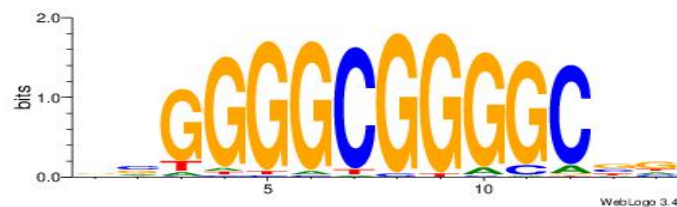
Alignment:

-----BBGGGGCGGGGCVD
 KKKAGGDGGAKKMGBBGKMG

Original motif Consensus sequence: HVGCCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGC

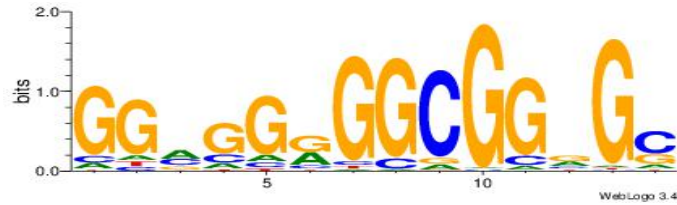


Dataset #: 5
 Motif ID: 50
 Motif name: TFF11
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 3.0542

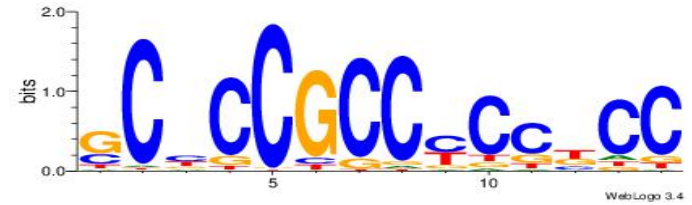
Alignment:

GGMGGRGGCGGVGC-----
KKKAGGDGGAKKMGBBGKMG

Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



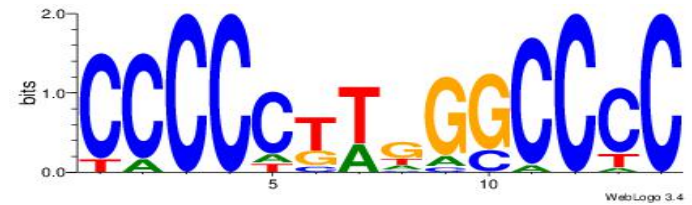
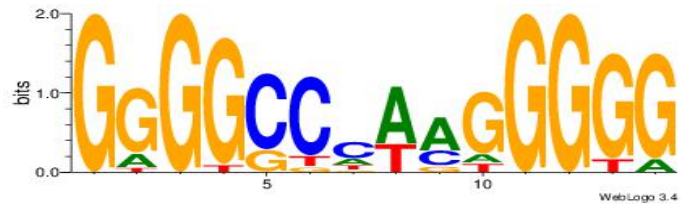
Dataset #: 3
Motif ID: 30
Motif name: PLAG1
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 3.06074

Alignment:

GGGGCCCAAGGGGG-----
KKKAGGDGGAKKMGBBGKMG

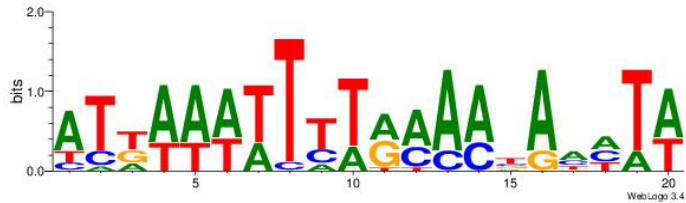
Original motif Consensus sequence: GGGGCCCAAGGGGG

Reverse complement motif Consensus sequence: CCCCTTGGGCC

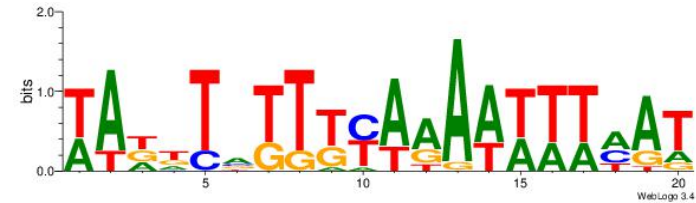


Dataset #: 5 Motif ID: 55 Motif name: TFM13

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



Reverse complement motif Consensus sequence: WAHHTVTTYKAAAATTRAT



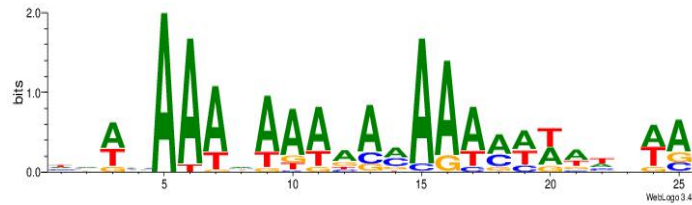
Best Matches for Motif ID 55 (Highest to Lowest)

Dataset #:	5
Motif ID:	56
Motif name:	TFM11
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	20
Similarity score:	0.0352451

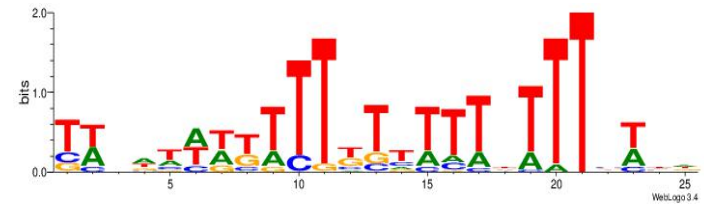
Alignment:

TWVHWWYTTTYTTTTHTTTVWBH
 ---WAHHTVTTYKAAAATTRAT-

Original motif Consensus sequence:
 HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
 TWVHWWYTTTYTTTTHTTTVWBH



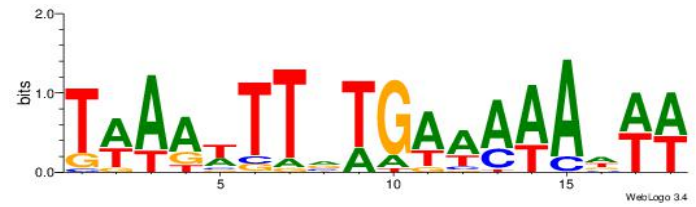
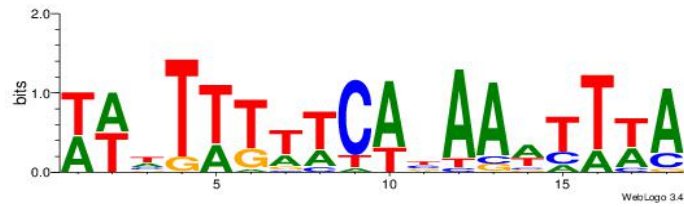
Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 18
 Similarity score: 1.02254

Alignment:

TWAAWTTVTGAAAAHWW--
 ATKAAWTTTTRMAABAHHTW

Original motif Consensus sequence: WWHTTTTTCABAAWTTWA

Reverse complement motif Consensus sequence:
 TWAAWTTVTGAAAAHWW



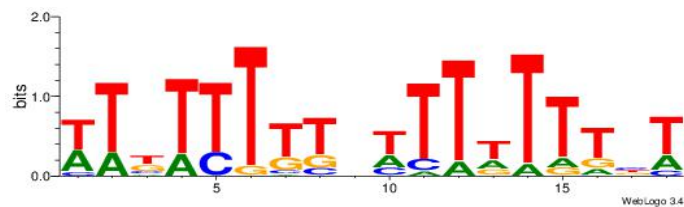
Dataset #: 5
 Motif ID: 52
 Motif name: TFM1
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 18
 Similarity score: 1.02868

Alignment:

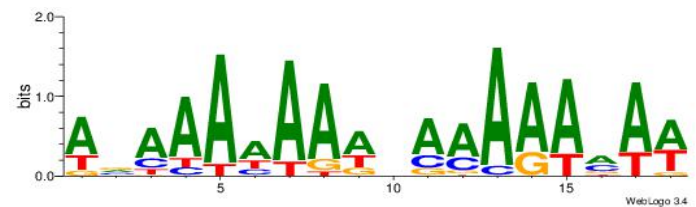
```

WKTTTTTTHWTTTTTTBT--
WAHHTVTTYKAAAATTRAT
  
```

Original motif Consensus sequence: WKTTTTTTHWTTTTTTBT



Reverse complement motif Consensus sequence: ABAAAAAWHAAAAARAW



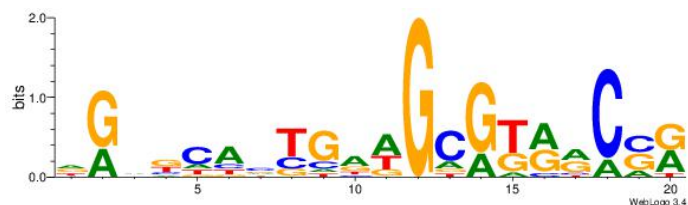
Dataset #: 3

Motif ID: 31
 Motif name: Pax5
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 6
 Number of overlap: 15
 Similarity score: 2.56565

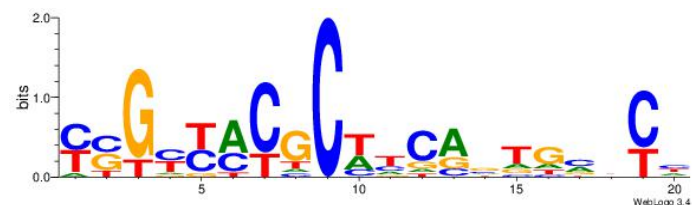
Alignment:

-----MSGKKRCGCWDCABTGBBCD
 WAHHTVTTYKAAAATTRAT-----

Original motif Consensus sequence: DGVBCABTGDWGCGRCSR



Reverse complement motif Consensus sequence: MSGKKRCGCWDCABTGBBCD



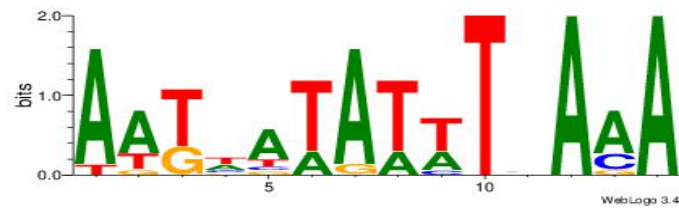
Dataset #: 2
 Motif ID: 9
 Motif name: Motif 9
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 1
 Number of overlap: 14

Similarity score: 3.02278

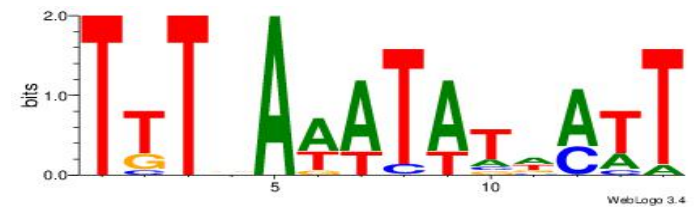
Alignment:

```
-----TTTDAWATATHATT  
WAHHTVTTYKAAAATTRAT
```

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT



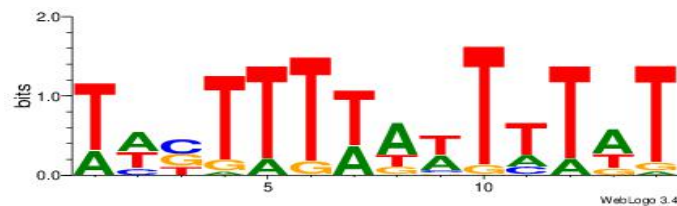
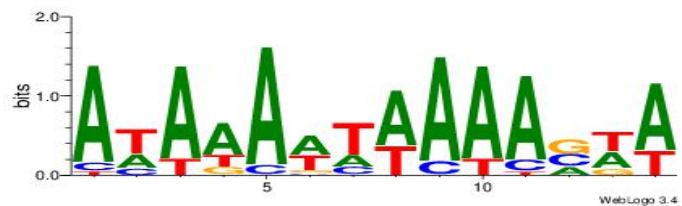
Dataset #: 2
Motif ID: 3
Motif name: Motif 3
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 3.04317

Alignment:

```
AWAAAWTWAAASW-----  
ATKAAWTTTTTRMAABAHHTW
```

Original motif Consensus sequence: AWAAAWTWAAASWA

Reverse complement motif Consensus sequence: TWSTTTWAWTTT



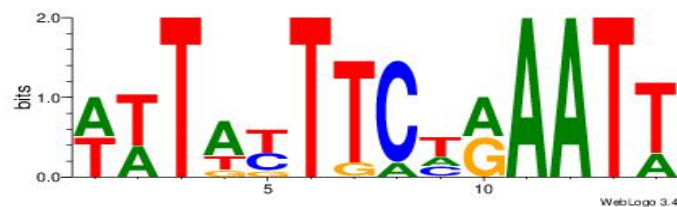
Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 3.05135

Alignment:
 WWTAKTTCDKAATT-----
 WAHHTVTTYKAAAATTRAT

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAT



Dataset #: 2
 Motif ID: 19

Motif name: Motif 19
 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: 3.56273

Alignment:

TTCWTAGATTAWA-----
 WAHHTVTTYKAAAATTRAT

Original motif Consensus sequence: TTCWTAGATTAWA



Reverse complement motif Consensus sequence: TWTAACTAWGAA

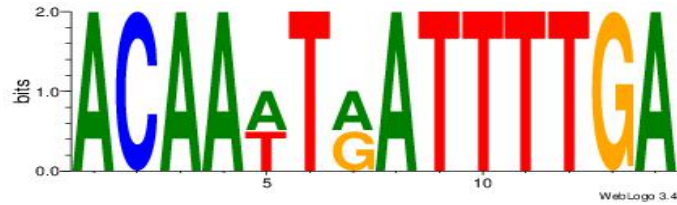


Dataset #: 2
 Motif ID: 16
 Motif name: Motif 16
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 2
 Number of overlap: 13
 Similarity score: 3.56529

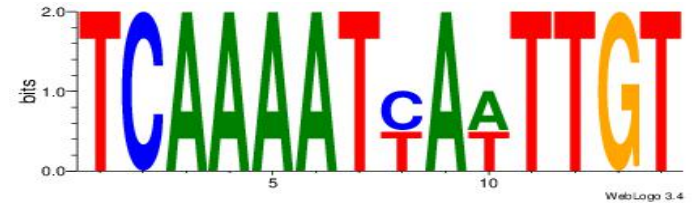
Alignment:

-----ACAAWTRATTTTGA
WAHHTVTTYKAAAATTRAT-

Original motif Consensus sequence: ACAAWTRATTTTGA



Reverse complement motif Consensus sequence: TCAAAATKAWTTG



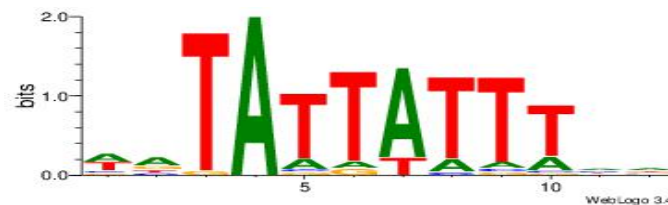
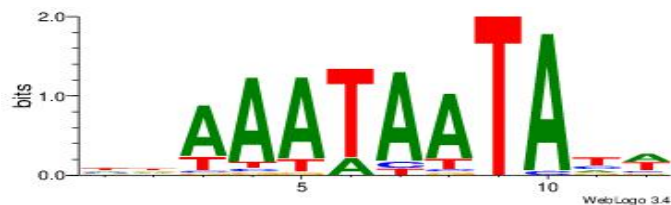
Dataset #: 4
Motif ID: 37
Motif name: tkAAATAATAtw
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 12
Similarity score: 4.03399

Alignment:

HDAAATAATAHW-----
WAHHTVTTYKAAAATTRAT

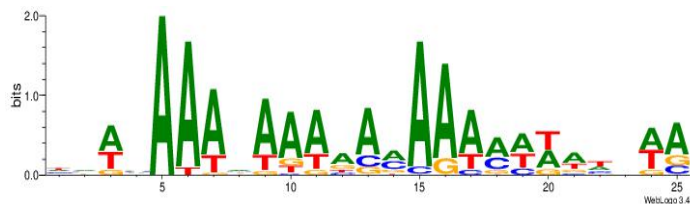
Original motif Consensus sequence: HDAAATAATAHW

Reverse complement motif Consensus sequence: WHTATTATTTDH

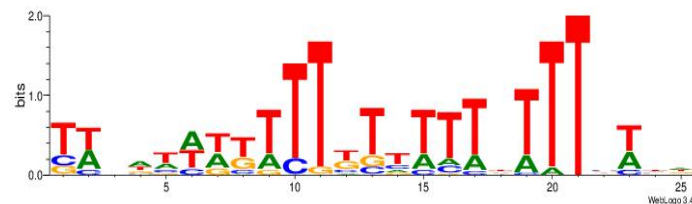


Dataset #: 5 Motif ID: 56 Motif name: TFM11

Original motif Consensus sequence:
HDWVAAAHAAAAAMAAAMWWWHBWA



Reverse complement motif Consensus sequence:
TWVHWWWYTTTTTTTTTHTTTVWBH



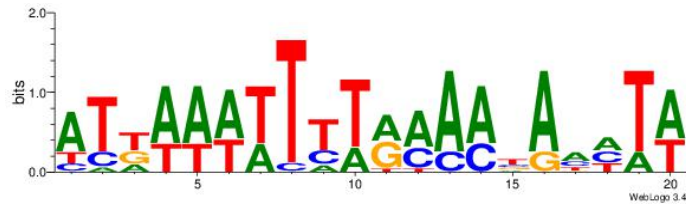
Best Matches for Motif ID 56 (Highest to Lowest)

Dataset #:	5
Motif ID:	55
Motif name:	TFM13
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	20
Similarity score:	0.0486765

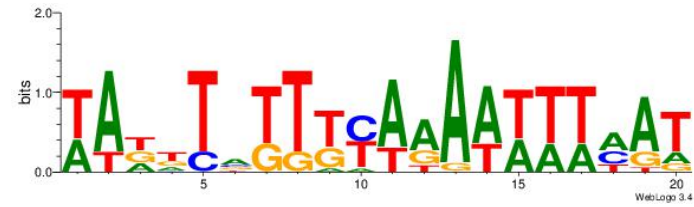
Alignment:

WAHHTVTTYKAAAATTRAT-----
 TWVHWWYTTTTYTTTTTHTTTVWBH

Original motif Consensus sequence: ATKAAWTTTTRMAABAHTW



Reverse complement motif Consensus sequence:
 WAHHTVTTYKAAAATTRAT



Dataset #: 5
 Motif ID: 54
 Motif name: TFM12
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 1
 Number of overlap: 20
 Similarity score: 0.0693284

Alignment:
 KKKAGGDGGAKKMGBBGKMG-----
 HDWVAAAHA AAAA MAAA MWWWHBWA

Original motif Consensus sequence: CYCBCYYYTCCHCCTYYY

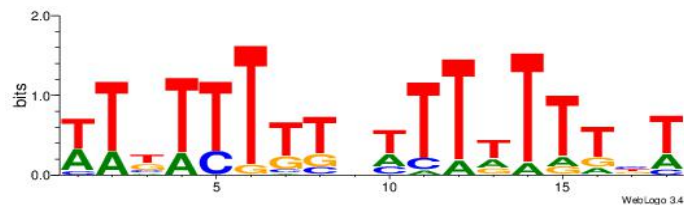
Reverse complement motif Consensus sequence:
 KKKAGGDGGAKKMGBBGKMG

Motif ID: 52
 Motif name: TFM1
 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: 1.0232

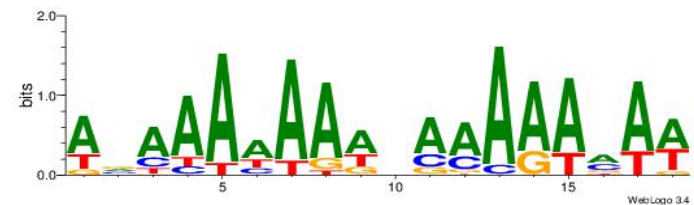
Alignment:

-----ABAAAAAWhAAAAARAW
 HDWVAAAHA AAAAMAAAMWWWHBWA

Original motif Consensus sequence: WTKTTTTTHWTTTTTTBT



Reverse complement motif Consensus sequence: ABAAAAAWhAAAAARAW



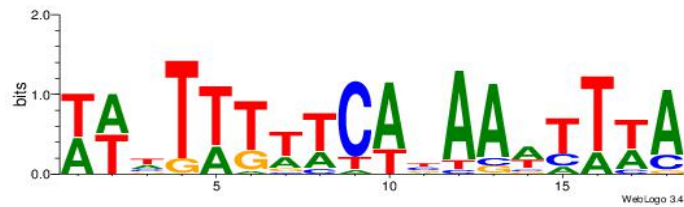
Dataset #: 5
 Motif ID: 53
 Motif name: TFM3
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 18

Similarity score: 1.05388

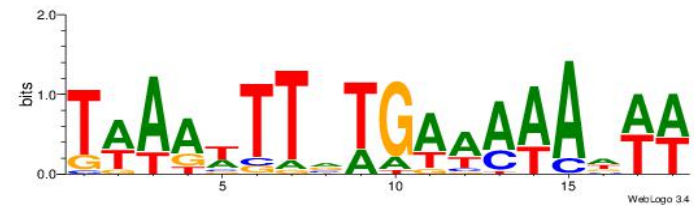
Alignment:

WWHTTTTTTCABAAWTTWA-----
TWVHWWWYTTTTYTTTTTHTTTVWBH

Original motif Consensus sequence: WWHTTTTTTCABAAWTTWA



Reverse complement motif Consensus sequence: TAAWTTVTGAAAAHWW



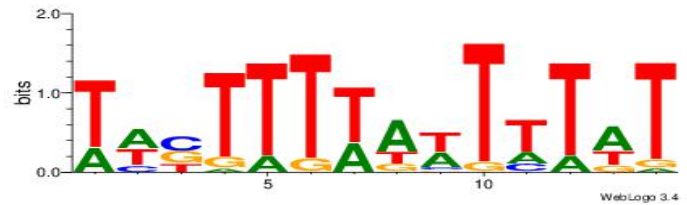
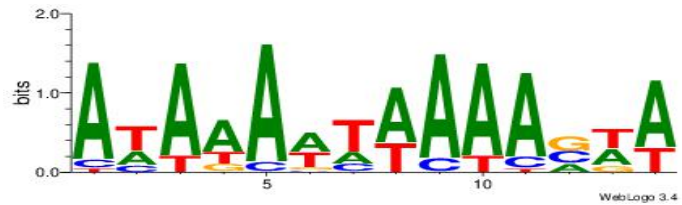
Dataset #: 2
Motif ID: 3
Motif name: Motif 3
Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 3.04236

Alignment:

TWSTTTWAWTTTWT-----
TWVHWWWYTTTTYTTTTTHTTTVWBH

Original motif Consensus sequence: AWAAWTWAAASWA

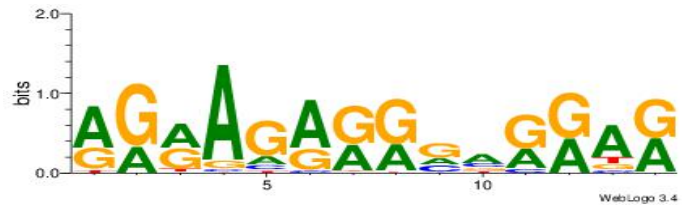
Reverse complement motif Consensus sequence: TWSTTTWAWTTTWT



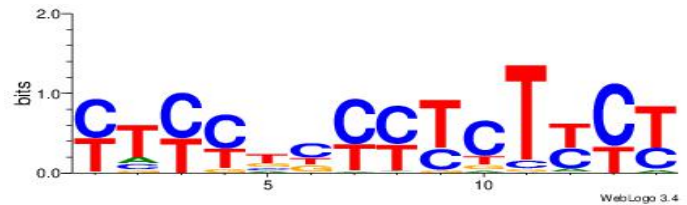
Dataset #: 2
 Motif ID: 2
 Motif name: Motif 2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 3.05212

Alignment:
 -----RGRAGARRGARRAR
 HDWVAAAHAAAAAMAAAMWWWHBWA

Original motif Consensus sequence: RGRAGARRGARRAR



Reverse complement motif Consensus sequence: MTMMTCMMTCTK



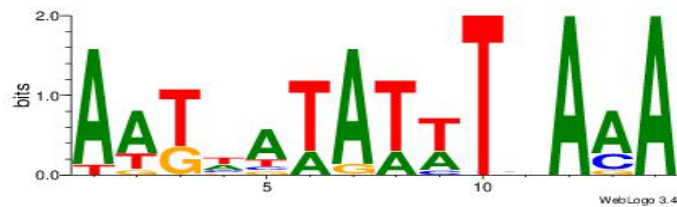
Dataset #: 2
 Motif ID: 9

Motif name: Motif 9
 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: 3.05326

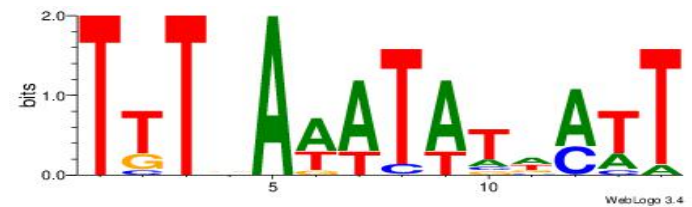
Alignment:

AATHATATWTHAAA-----
 TWVHWWWYTTYTTTTHTTTVWBH

Original motif Consensus sequence: AATHATATWTHAAA



Reverse complement motif Consensus sequence: TTTDAWATATHAT



Dataset #: 2
 Motif ID: 6
 Motif name: Motif 6
 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: 3.06919

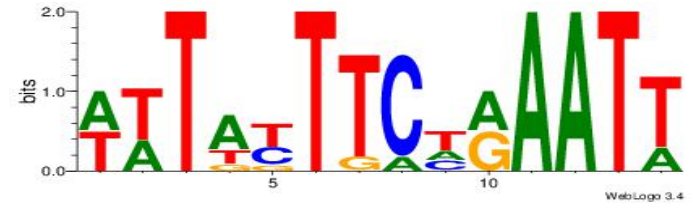
Alignment:

WWTAKTTCDKAATT-----
TWVHWWYTTTTYTTTTTHTTTVWBH

Original motif Consensus sequence: AATTYDGAARTAWW



Reverse complement motif Consensus sequence: WWTAKTTCDKAAT



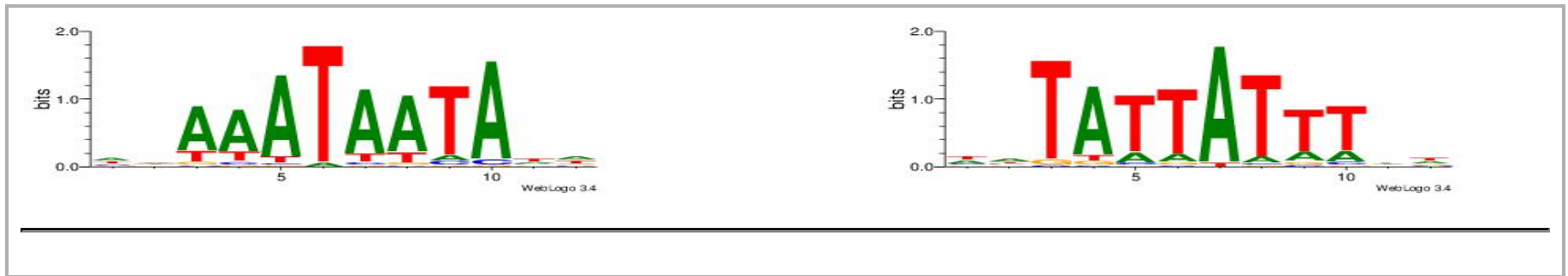
Dataset #: 4
Motif ID: 41
Motif name: wwAAATAATAtw
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 12
Similarity score: 4.03464

Alignment:

HDAAATAATADD-----
HDWVAAAHA AAAAAMAAAAMWWWHBWA

Original motif Consensus sequence: HDAAATAATADD

Reverse complement motif Consensus sequence: DDTATTATTDH



Results created by MOTIFSIM on 09-23-2015 12:50:42
Runtime: 75.0307 seconds.

MOTIFSIM is written by Ngoc Tam L. Tran
Motif logo generated by [weblogo](http://weblogo.threebio.com)