

MOTIFSIM - MOTIF SIMilarity Detection Tool

Version 2.1

INPUT

Input Parameters

Number of files:2Number of top significant motifs:10Number of best matches:10Similarity cutoff >=0.75

Matching motif database: UniProbe Mus Musculus

Phylogenetic tree: Yes
Combined similar motifs: Yes
Output file type: All
Output file format: All

Input files and motif counts

File nameCount of motifsDataset numberW-ChIPMotifs_DM230.txt111RSAT_peak-motifs_DM230.txt102

RESULTS

Top 10 Significant Motifs - Global Matching (Highest to Lowest)

Dataset #: 1 Motif ID: 1 Motif name: TFW1

Original motif Consensus sequence: GTCGCG



Reverse complement motif Consensus sequence: CGCGAC



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

Dataset #: 2

Motif ID: 18

Motif name: sSGTCACGTGACSs

Matching format of first motif:

Matching format of second motif:

Original Motif

Original Motif

Direction: Forward

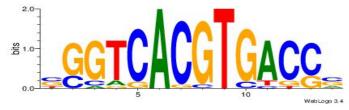
Position number: 3

Number of overlap: 6

Similarity score: 0.0375102

Alignment:

SGGTCACGTGACCS
--GTCGCG----



ESTOACCE STORY

Motif ID: 12

Motif name: csGCCCGCCCcsc

Matching format of first motif:

Matching format of second motif:

Original Motif

Original Motif

Direction: Backward

Position number: 7

Number of overlap: 6

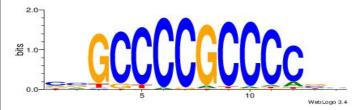
Similarity score: 0.0539

Alignment:

HVGCCCCGCCCBB

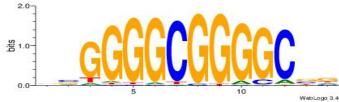
--GTCGCG----

Original motif Consensus sequence: HVGCCCCGCCCBB



Reverse complement motif Consensu

Consensus sequence: BBGGGGCGGGCC



Dataset #: 2

Motif ID: 14

Motif name: cccGCCCCGCCCsb

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

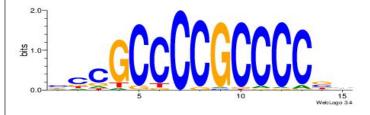
Direction: Backward

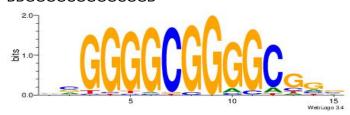
Position number: 3
Number of overlap: 6

Similarity score: 0.0558733

Alignment:

BCCGCCCGCCCCBB
----CGCGAC--





Dataset #: 2

Motif ID: 16

Motif name: kcACCTGCAgc

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: 0.0980422

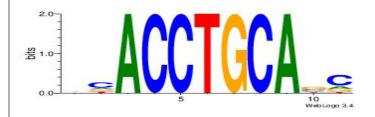
Alignment:

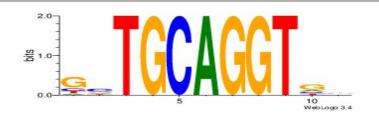
BCACCTGCABC ----CGCGAC

Original motif Consensus sequence: BCACCTGCABC

Reverse complement motif

Consensus sequence: GBTGCAGGTGB





Motif ID: 20

Motif name: dhACATTCTkh

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 8

Number of overlap: 4

Similarity score: 1.09467

Alignment:

HCAGAATGTHD--

----GTCGCG

Original motif Consensus sequence: DHACATTCTGH



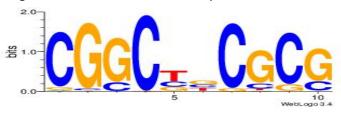
Reverse complement motif Conser

Consensus sequence: HCAGAATGTHD



Dataset #: 1 Motif ID: 3 Motif name: TFW3

Original motif Consensus sequence: CGGCYBCGCG



Reverse complement motif

Consensus sequence: CGCGBMGCCG



Best Matches for Top Significant Motif ID 3 (Highest to Lowest)

Dataset #: 2
Motif ID: 12

Motif name: csGCCCGCCCcsc

Matching format of first motif:

Matching format of second motif:

Original Motif

Original Motif

Direction: Backward

Position number: 5
Number of overlap: 10

Similarity score: 0.0718771

Alignment:

HVGCCCCGCCCBB CGGCYBCGCG----

Original motif Consensus sequence: HVGCCCCGCCCBB



Reverse complement motif

Consensus sequence: BBGGGGCGGGCC



Motif ID: 14

Motif name: cccGCCCCGCCCSb

Matching format of first motif: Original Motif
Matching format of second motif: Original Motif

Direction: Backward

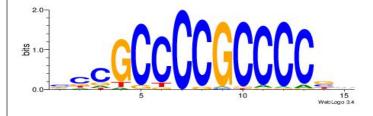
Position number: 5
Number of overlap: 10

Similarity score: 0.0719604

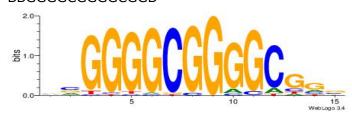
Alignment:

BCCGCCCGCCCBB
-CGGCYBCGCG----

Original motif Consensus sequence: BCCGCCCGCCCCBB



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB



Dataset #: 2

Motif ID: 18

Motif name: sSGTCACGTGACSs

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: 0.0895189

Alignment:

SGGTCACGTGACCS
---CGCGBMGCCG





Dataset #: 2

Motif ID: 16

Motif name: kcACCTGCAgc

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: 1.10343

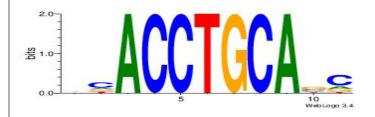
Alignment:

BCACCTGCABC----CGCGBMGCCG

Original motif Consensus sequence: BCACCTGCABC

Reverse complement motif

Consensus sequence: GBTGCAGGTGB





Motif ID: 15

Motif name: kCAGCCAATmr

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Backward

Position number: 5

Number of overlap: 7

Similarity score: 1.57732

Alignment:

---DCAGCCAATVR CGCGBMGCCG----

Original motif

Consensus sequence: DCAGCCAATVR



Reverse complement motif

Consensus sequence: MBATTGGCTGH



Dataset #: 2

Motif ID: 17

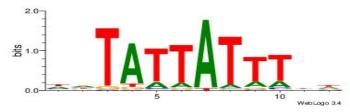
Motif name: wwAAATAATAtw

Original motif Consensus sequence: HDAAATAATADD





Consensus sequence: DDTATTATTTDH



Best Matches for Top Significant Motif ID 17 (Highest to Lowest)

Dataset #: 1

Motif ID: 7

Motif name: TFM1

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 7

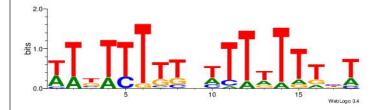
Number of overlap: 12

Similarity score: 0.0565705

Alignment:

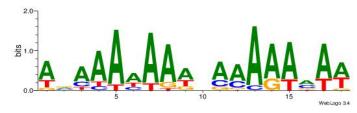
ABAAAAAWHAAAAARAW

Original motif Consensus sequence: WTKTTTTTHWTTTTTBT



Reverse complement motif ABAAAAAAWHAAAAAAW

Consensus sequence:



Motif ID: 11

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

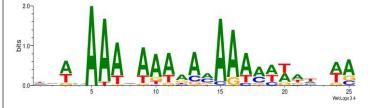
Similarity score: 0.0575935

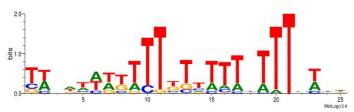
Alignment:

 $\verb|HDWVAAA| HAAAAAMAAAMWWWHBWA|$

--HDAAATAATADD-----

Original motif Consensus sequence: HDWVAAAHAAAAAMAAAMWWWHBWA





Dataset #:

Motif ID: 10

Motif name: TFM13

Matching format of first motif: Reverse Complement

Matching format of second motif:

Original Motif

Direction:

Backward

Position number: 1

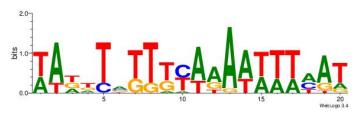
Number of overlap: 12

Similarity score: 0.0712963

Alignment:

ATKAAWTTTTRMAABAHHTW -----DDTATTATTTDH





Dataset #: 1

Motif ID: 8

Motif name: TFM3

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Backward

Position number: 1

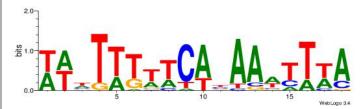
Number of overlap: 12

Similarity score: 0.0733516

Alignment:

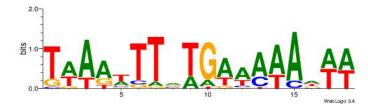
TWAAWTTVTGAAAAAHWW
-----HDAAATAATADD

Original motif Consensus sequence: WWHTTTTTCABAAWTTWA



Reverse complement motif
TWAAWTTVTGAAAAAHWW

Consensus sequence:



Dataset #: 1

Motif ID: 9

Motif name: TFM12

Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

Direction: Backward

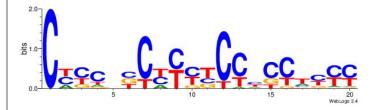
Position number: 16
Number of overlap: 5

Similarity score: 3.59569

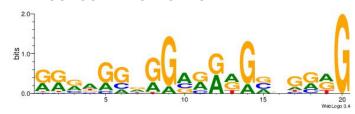
Alignment:

----KKKAGGDGGAKKMGBBGKMG

Original motif Consensus sequence: CYYCBBCYYYTCCHCCTYYY

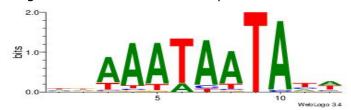


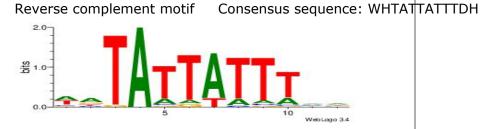
Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG



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

Original motif Consensus sequence: HDAAATAATAHW





Best Matches for Top Significant Motif ID 13 (Highest to Lowest)

Dataset #: 1

Motif ID: 11

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

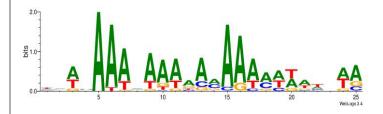
Similarity score: 0.0590505

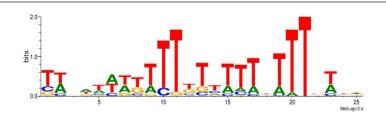
Alignment:

TWVHWWWYTTTYTTTTTHTTTVWBH
-----WHTATTATTTDH--

Original motif Consensus sequence: HDWVAAAHAAAAAMAAAMWWWHBWA

TWVHWWWYTTTYTTTTTHTTTVWBH





Motif ID: 7

Motif name: TFM1

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Forward

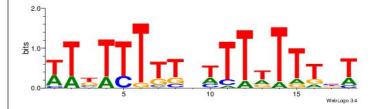
Position number: 1

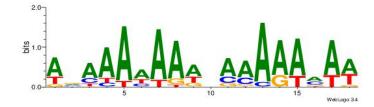
Number of overlap: 12

Similarity score: 0.0637702

Alignment:

WTKTTTTTHWTTTTTTBT WHTATTATTTDH-----





Dataset #: 1

Motif ID: 10

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

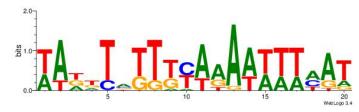
Similarity score: 0.0704475

Alignment:

ATKAAWTTTTRMAABAHHTW -----WHTATTATTTDH

Original motif Consensus sequence: ATKAAWTTTTRMAABAHHTW





Dataset #: 1

Motif ID: 8

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: 12

Similarity score: 0.0763819

Alignment:

TWAAWTTVTGAAAAAHWW
-----HDAAATAATAHW

Original motif Consensus sequence: WWHTTTTTCABAAWTTWA

20 TA TITTE A AA TITA
0.0 TA 115 Web Logo 34



Dataset #: 1

Motif ID: 9

Motif name: TFM12

Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

Direction: Backward

Position number: 16
Number of overlap: 5

Similarity score: 3.59273

Alignment:

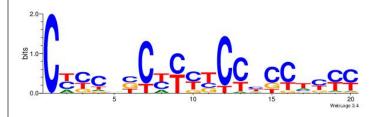
----KKKAGGDGGAKKMGBBGKMG
WHTATTATTTDH-----

Original motif Consensus sequence: CYYCBBCYYYTCCHCCTYYY

Reverse complement motif

Consensus sequence:

KKKAGGDGGAKKMGBBGKMG

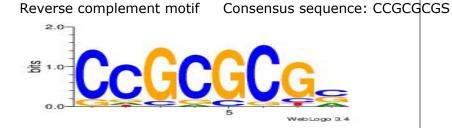




Dataset #: 1 Motif ID: 2 Motif name: TFW2

Original motif Consensus sequence: SCGCGCGG





Best Matches for Top Significant Motif ID 2 (Highest to Lowest)

Dataset #: 2

Motif ID: 12

Motif name: csGCCCGCCCcsc

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 2

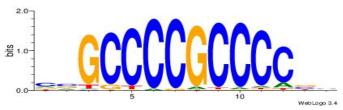
Number of overlap:

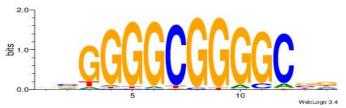
Similarity score: 0.0456233

Alignment:

BBGGGGGGGCVD
-SCGCGCGG----

Original motif Consensus sequence: HVGCCCCGCCCBB





Dataset #: 2

Motif ID: 14

Motif name: cccGCCCCGCCCSb

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Forward

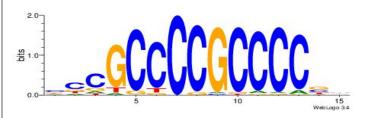
Position number: 7

Number of overlap: 8

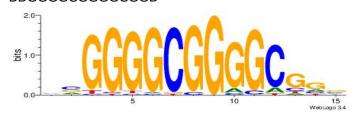
Similarity score: 0.045686

Alignment:

BCCGCCCGCCCCBB
----CCGCGCGS-



Reverse complement motif Consensus sequence: BBGGGGCGGGGCGGB



Motif ID: 18

Motif name: sSGTCACGTGACSs

Matching format of first motif:

Matching format of second motif:

Original Motif

Original Motif

Direction: Backward

Position number: 4

Number of overlap: 8

Similarity score: 0.0988223

Alignment:

SGGTCACGTGACCS
---SCGCGCGG---

Original motif Consensus sequence: SGGTCACGTGACCS





Dataset #: 2

Motif ID: 16

Motif name: kcACCTGCAgc Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Backward

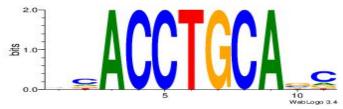
Position number: 8
Number of overlap: 4

Similarity score: 2.08456

Alignment:

----GBTGCAGGTGB SCGCGCGG-----

Original motif Consensus sequence: BCACCTGCABC







Dataset #: 2

Motif ID: 15

Motif name: kCAGCCAATmr

Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 8

Number of overlap: 4

Similarity score: 2.0901

Alignment:

MBATTGGCTGH----

Original motif Consensus sequence: DCAGCCAATVR

Reverse complement motif

Consensus sequence: MBATTGGCTGH

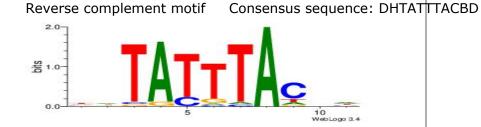




Dataset #: 2 Motif ID: 21 Motif name: wbgTAAATAww

Original motif Consensus sequence: DBGTAAATAHD





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

Dataset #: 1

Motif ID: 11

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

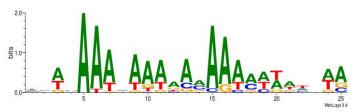
Similarity score: 0.0192768

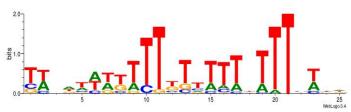
Alignment:

 ${\tt TWVHWWWYTTTYTTTTTTTTTVWBH}$

----DHTATTTACBD

Original motif Consensus sequence: HDWVAAAHAAAAAMAAAMWWWHBWA





Dataset #: 1

Motif ID: 7

Motif name: TFM1

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Forward

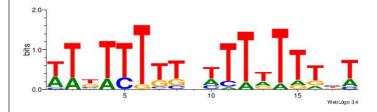
Position number: 1

Number of overlap: 11

Similarity score: 0.0283217

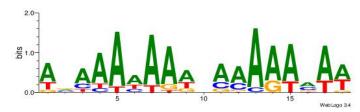
Alignment:

WTKTTTTTHWTTTTTTBT DHTATTTACBD-----



Reverse complement motif Conse

Consensus sequence:



Motif ID: 8

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: 11

Similarity score: 0.0308097

Alignment:

WWHTTTTTCABAAWTTWA
-----DHTATTTACBD-

Original motif Consensus sequence: WWHTTTTTCABAAWTTWA



Reverse complement motif
TWAAWTTVTGAAAAAHWW

Consensus sequence:



Dataset #: 1

Motif ID: 10

Motif name: TFM13

Matching format of first motif:

Matching format of second motif:

Original Motif

Direction:

Backward

Position number: 3

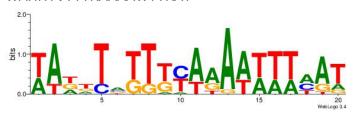
Number of overlap: 11

Similarity score: 0.0333874

Alignment:

ATKAAWTTTTRMAABAHHTW
-----DBGTAAATAHD--





Dataset #: 1

Motif ID: 9

Motif name: TFM12

Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

Direction: Backward

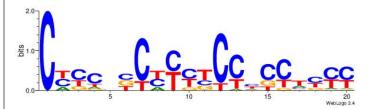
Position number: 14
Number of overlap: 7

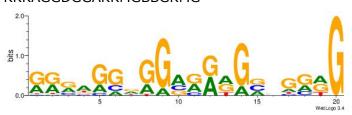
Similarity score: 2.0544

Alignment:

----KKKAGGDGGAKKMGBBGKMG
DHTATTTACBD-----

Original motif Consensus sequence: CYYCBBCYYYTCCHCCTYYY





Dataset #: 1

Motif ID: 6

Motif name: TFM2

Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

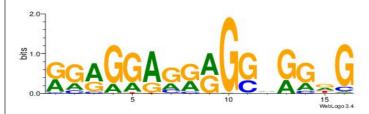
Direction: Backward

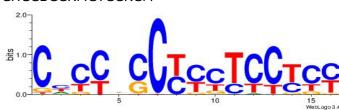
Position number: 12 Number of overlap: 5

Similarity score: 3.05714

Alignment:

----CHCCBCCKMCTCCKCM





Motif ID: 4

Motif name: TFF1

Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

Direction: Backward

Position number: 9

Number of overlap:

Similarity score: 3.54896

Alignment:

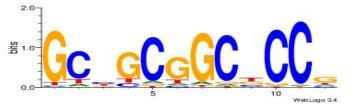
----GCVGCGGCBCCG

Original motif Consensus sequence: CGGVGCCGCVGC



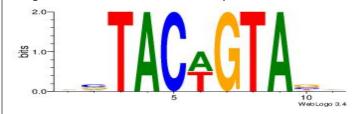
Reverse complement motif

Consensus sequence: GCVGCGGCBCCG



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

Original motif Consensus sequence: HVTACWGTABD





Best Matches for Top Significant Motif ID 19 (Highest to Lowest)

Dataset #: 1
Motif ID: 8

Motif name: TFM3

Matching format of first motif: Reverse Complement

Matching format of second motif:

Original Motif

Direction:

Backward

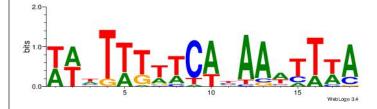
Position number: 5
Number of overlap: 11

Similarity score: 0.0413797

Alignment:

WWHTTTTTCABAAWTTWA
---DBTACWGTAVH----

Original motif Consensus sequence: WWHTTTTTCABAAWTTWA





Dataset #: 1
Motif ID: 10

Motif name: TFM13

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Backward

Position number: 3

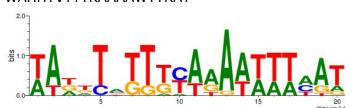
Number of overlap: 11

Similarity score: 0.0445707

Alignment:

WAHHTVTTYKAAAAWTTRAT
----HVTACWGTABD--





Dataset #: 1

Motif ID: 11

Motif name: TFM11

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Forward

Position number: 4

Number of overlap: 11

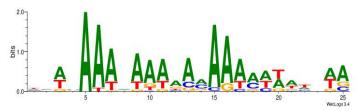
Similarity score: 0.0472742

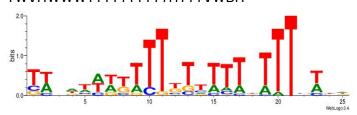
Alignment:

HDWVAAAHAAAAAMAAAMWWWHBWA

---DBTACWGTAVH-----

Original motif Consensus sequence: HDWVAAAHAAAAAMAAAMWWWHBWA





Dataset #: 1

Motif ID: 7

Motif name: TFM1

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Forward

Position number: 10

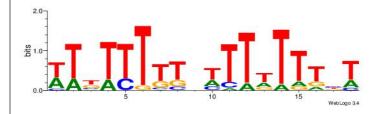
Number of overlap: 9

Similarity score: 1.04742

Alignment:

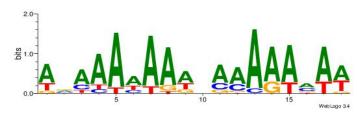
WTKTTTTHWTTTTTTBT------DBTACWGTAVH

Original motif Consensus sequence: WTKTTTTTHWTTTTTBT



Reverse complement motif
ABAAAAAAWHAAAAARAW

Consensus sequence:



Motif ID: 9

Motif name: TFM12

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Backward

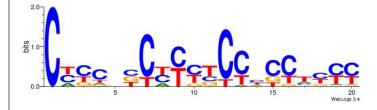
Position number: 15
Number of overlap: 6

Similarity score: 2.54736

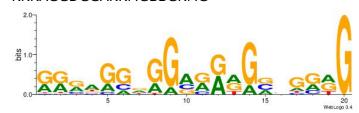
Alignment:

----CYYCBBCYYYTCCHCCTYYY
DBTACWGTAVH-----

Original motif Consensus sequence: CYYCBBCYYYTCCHCCTYYY



Reverse complement motif Consensus sequence: KKKAGGDGGAKKMGBBGKMG



Dataset #: 1

Motif ID: 5

Motif name: TFF11

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Forward

Position number: 10

Number of overlap: 5

Similarity score: 3.04599

Alignment:

GGMGGRGGCGGVGC-----





Dataset #: 1

Motif ID: 6

Motif name: TFM2

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Forward

Position number: 12

Number of overlap: 5

Similarity score: 3.04861

Alignment:

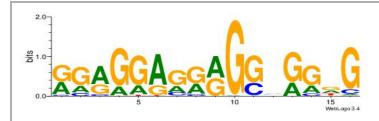
RGRGGAGRRGGHGGDG-----

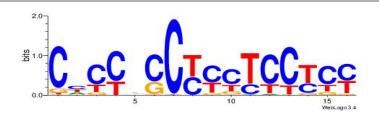
-----DBTACWGTAVH

Original motif Consensus sequence: RGRGGAGRRGGHGGDG

Reverse complement motif CHCCBCCKMCTCCKCM

Consensus sequence:

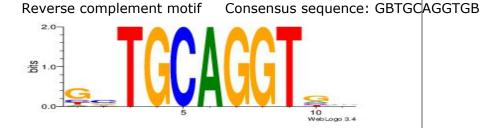




Dataset #: 2 Motif ID: 16 Motif name: kcACCTGCAgc

Original motif Consensus sequence: BCACCTGCABC





Best Matches for Top Significant Motif ID 16 (Highest to Lowest)

Dataset #: 1

Motif ID: 5

Motif name: TFF11

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Backward

Position number: 4

Number of overlap: 11

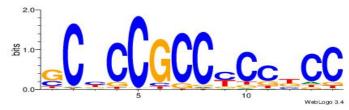
Similarity score: 0.0312321

Alignment:

GGMGGRGGCGGVGC GBTGCAGGTGB--- Original motif Consensus sequence: GGMGGRGGCGGVGC



Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



Dataset #: 1

Motif ID: 9

Motif name: TFM12

Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

Direction: Backward

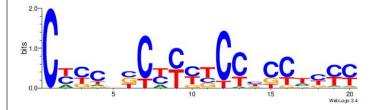
Position number: 6
Number of overlap: 11

Similarity score: 0.0444938

Alignment:

KKKAGGDGGAKKMGBBGKMG
----GBTGCAGGTGB----

Original motif Consensus sequence: CYYCBBCYYYTCCHCCTYYY





Motif ID: 6

Motif name: TFM2

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Backward

Position number: 7

Number of overlap: 10

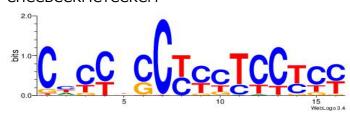
Similarity score: 0.538471

Alignment:

-RGRGGAGRRGGHGGDG GBTGCAGGTGB----



Reverse complement motif Consensus sequence: CHCCBCCKMCTCCKCM



Dataset #: 1

Motif ID: 4

Motif name: TFF1

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: 1.54364

Alignment:

GCVGCGGCBCCG-----BCACCTGCABC

Original motif Consensus sequence: CGGVGCCGCVGC





Dataset #: 1

Motif ID: 3

Motif name: TFW3

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: 1.5466

Alignment:

---CGGCYBCGCG GBTGCAGGTGB--

Original motif Consensus sequence: CGGCYBCGCG

Reverse complement motif

Consensus sequence: CGCGBMGCCG





Motif ID: 1

Motif name: TFW1

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 1

Number of overlap:

Similarity score: 2.54121

Alignment:

CGCGAC----

BCACCTGCABC

Original motif Consensus sequence: GTCGCG





Dataset #: 1

Motif ID: 2

Motif name: TFW2

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 5

Number of overlap:

Similarity score: 3.53211

Alignment:

CCGCGCGS-----

Original motif Consensus sequence: SCGCGCGG



Reverse complement motif Consensus

Consensus sequence: CCGCGCGS



Dataset #: 1

Motif ID: 11

Motif name: TFM11

Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

Direction: Backward

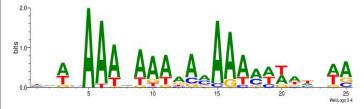
Position number: 22 Number of overlap: 4

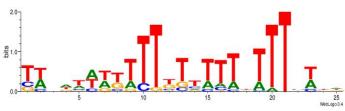
Similarity score: 3.53789

Alignment:

----TWVHWWWYTTTYTTTTTTTTTVWBH

Original motif Consensus sequence: HDWVAAAHAAAAAMAAAMWWWHBWA





Dataset #: 1 Motif ID: 4 Motif name: TFF1

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif Consensus sequence: GCVGCGGCBCCG



Best Matches for Top Significant Motif ID 4 (Highest to Lowest)

Dataset #: 2

Motif ID: 12

Motif name: csGCCCGCCCcsc

Matching format of first motif:

Matching format of second motif:

Original Motif

Original Motif

Direction: Forward

Position number: 1

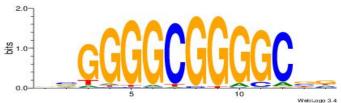
Number of overlap: 12

Similarity score: 0.0542674

Alignment:

HVGCCCGCCCCBB CGGVGCCGCVGC--





Dataset #: 2

Motif ID: 14

Motif name: cccGCCCCGCCCsb

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Forward

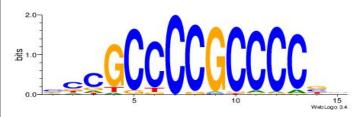
Position number: 4

Number of overlap: 12

Similarity score: 0.0548371

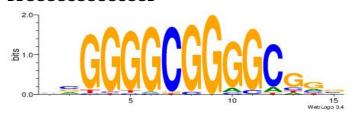
Alignment:

BCCGCCCGCCCCBB
---GCVGCGGCBCCG



Reverse complement motif Consense BBGGGGGGGGGGGGGGG

Consensus sequence:



Dataset #: 2

Motif ID: 18

Motif name: sSGTCACGTGACSs

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: 0.0777862

Alignment:

SGGTCACGTGACCS
--GCVGCGGCBCCG

Original motif Consensus sequence: SGGTCACGTGACCS



Reverse complement motif

Consensus sequence: SGGTCACGTGACC



Motif ID: 16

Motif name: kcACCTGCAgc
Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Backward

Position number: 4

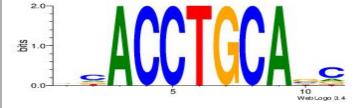
Number of overlap: 8

Similarity score: 2.08028

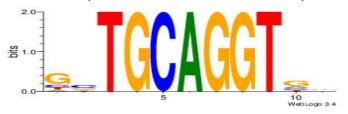
Alignment:

----GBTGCAGGTGB CGGVGCCGCVGC---

Original motif Consensus sequence: BCACCTGCABC



Reverse complement motif Consensus sequence: GBTGCAGGTGB



Dataset #: 2

Motif ID: 15

Motif name: kCAGCCAATmr
Matching format of first motif: Original Motif

Matching format of second motif: Original Motif

Direction: Backward

Position number: 7
Number of overlap: 5

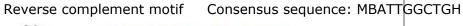
Similarity score: 3.54126

Alignment:

-----DCAGCCAATVR

Original motif Consensus sequence: DCAGCCAATVR







Dataset #: 2

Motif ID: 20

Motif name: dhACATTCTkh

Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 8

Number of overlap: 4

Similarity score: 4.07107

Alignment:

HCAGAATGTHD-----

Original motif Consensus sequence: DHACATTCTGH

Reverse complement motif

Consensus sequence: HCAGAATGTHD





Motif ID: 21

Motif name: wbgTAAATAww

Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

Direction: Forward

Position number: 8

Number of overlap: 4

Similarity score: 4.0742

Alignment:

DHTATTTACBD-----

Original motif Consensus sequence: DBGTAAATAHD



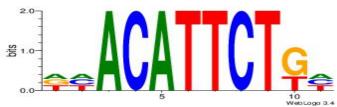
Reverse complement motif

Consensus sequence: DHTATITACBD



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

Original motif Consensus sequence: DHACATTCTGH





Best Matches for Top Significant Motif ID 20 (Highest to Lowest)

Dataset #: 1

Motif ID: 8

Motif name: TFM3

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Backward

Position number: 8

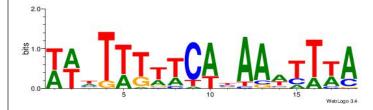
Number of overlap: 11

Similarity score: 0.00522383

Alignment:

WWHTTTTTCABAAWTTWA HCAGAATGTHD-----

Original motif Consensus sequence: WWHTTTTTCABAAWTTWA



Reverse complement motif TWAAWTTVTGAAAAAHWW

Consensus sequence:



Motif ID: 11

Motif name: TFM11

Matching format of first motif: Reverse Complement

Matching format of second motif: Original Motif

Direction: Backward

Position number: 11
Number of overlap: 11

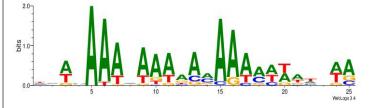
Similarity score: 0.014258

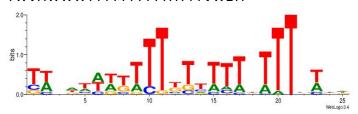
Alignment:

HDWVAAAHAAAAAMAAAMWWWHBWA

----HCAGAATGTHD-----

Original motif Consensus sequence: HDWVAAAHAAAAAMAAAMWWWHBWA





Dataset #: 1

Motif ID: 10

Motif name: TFM13

Matching format of first motif:

Matching format of second motif:

Original Motif

Direction:

Backward

Position number: 9

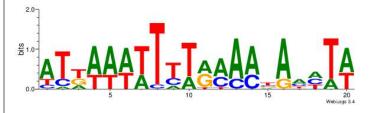
Number of overlap: 11

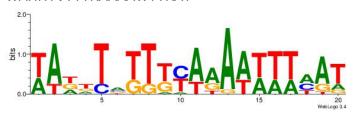
Similarity score: 0.0192045

Alignment:

ATKAAWTTTTRMAABAHHTW -DHACATTCTGH-----

Original motif Consensus sequence: ATKAAWTTTTRMAABAHHTW





Dataset #: 1

Motif ID: 7

Motif name: TFM1

Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

Direction: Forward

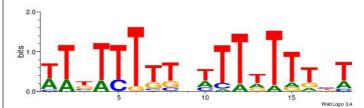
Position number: 9
Number of overlap: 10

Similarity score: 0.519904

Alignment:

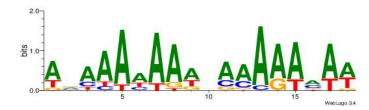
ABAAAAAWHAAAAARAW------HCAGAATGTHD

Original motif Consensus sequence: WTKTTTTTHWTTTTTBT



Reverse complement motif
ABAAAAAAWHAAAAARAW

Consensus sequence:



Dataset #: 1

Motif ID: 9

Motif name: TFM12

Matching format of first motif:

Matching format of second motif:

Original Motif

Original Motif

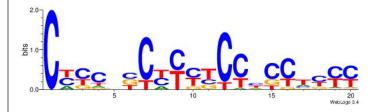
Direction: Backward

Position number: 17
Number of overlap: 4
Similarity score: 3.5

Alignment:

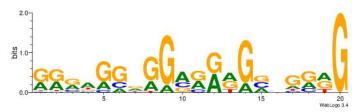
----CYYCBBCYYYTCCHCCTYYY

Original motif Consensus sequence: CYYCBBCYYYTCCHCCTYYY



Reverse complement motif C KKKAGGDGGAKKMGBBGKMG

Consensus sequence:



Motif ID: 4

Motif name: TFF1

Matching format of first motif: Reverse Complement
Matching format of second motif: Reverse Complement

Direction: Backward

Position number: 9

Number of overlap:

Similarity score: 3.51958

Alignment:

-----GCVGCGGCBCCG

HCAGAATGTHD-----

Original motif Consensus sequence: CGGVGCCGCVGC



Reverse complement motif

Consensus sequence: GCVGCGGCBCCG



Dataset #:

Motif ID: 1

Motif name: TFW1

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Backward

Position number: 3
Number of overlap: 4

Similarity score: 3.52299

Alignment:

-----CGCGAC
DHACATTCTGH--

Original motif Consensus sequence: GTCGCG



Reverse complement motif Consensus sequence: CGCGAC



Dataset #: 1

Motif ID: 5

Motif name: TFF11

Matching format of first motif: Original Motif

Matching format of second motif: Reverse Complement

Direction: Backward

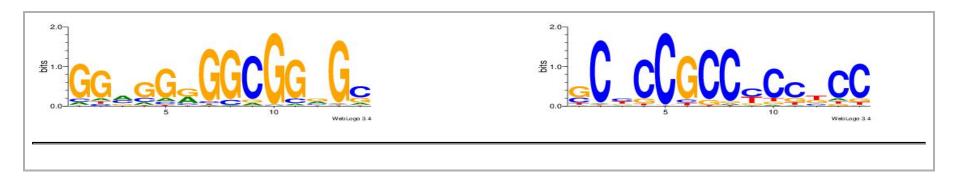
Position number: 11
Number of overlap: 4

Similarity score: 3.52554

Alignment:

----GCVCCGCCMCCYCC
DHACATTCTGH-----

Original motif Consensus sequence: GGMGGRGGCGGVGC Reverse complement motif Consensus sequence: GCVCCGCCMCCYC



Results created by MOTIFSIM on 11-20-2016 20:47:38

Runtime: 651.925 seconds

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