



MOTIFSIM - MOTIF SIMilarity Detection Tool

Version 2.2

INPUT

Input Parameters		
Number of files:	1	
Number of top significant motifs:	4	
Number of best matches:	4	
Similarity cutoff >=	0.5	
Matching motif database:	Jaspar Core	
Motif tree:	Yes	
Combined similar motifs:	No	
Output file type:	All	
Output file format:	All	
Input files and motif counts		
File name	Count of motifs	Dataset number
U20240419_R_04-19-24_1712_InsertFile1.txt	3	1

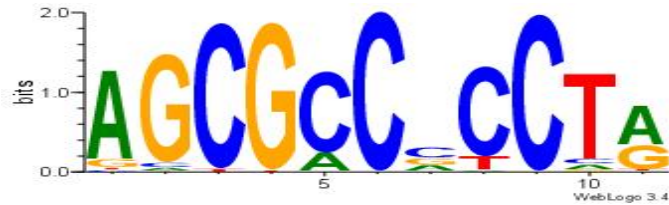
RESULTS

Top 4 Significant Motifs - Global Matching (Highest to Lowest)
There is no global matching for 1 motif file.

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

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

Original motif Consensus sequence: AGCGCCVCCTR



Reverse complement motif Consensus sequence: KAGGVGGCGCT



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

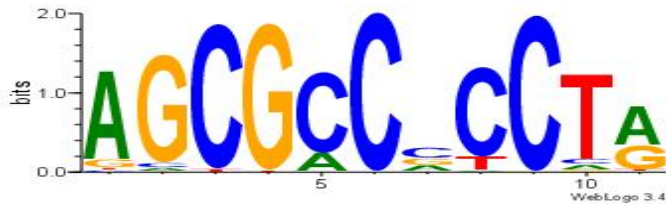
Dataset #:	1
Motif ID:	3
Motif name:	Motif 3
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	11
Similarity score:	0

Alignment:

```
AGCGCCVCCTR
AGCGCCVCCTR
```

Original motif Consensus sequence: AGCGCCVCCTR

Reverse complement motif Consensus sequence: KAGGVGGCGCT

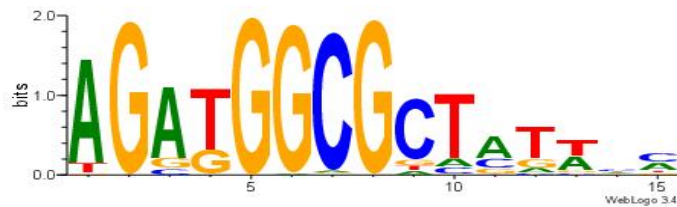


Dataset #: 1
 Motif ID: 1
 Motif name: Motif 1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.120204

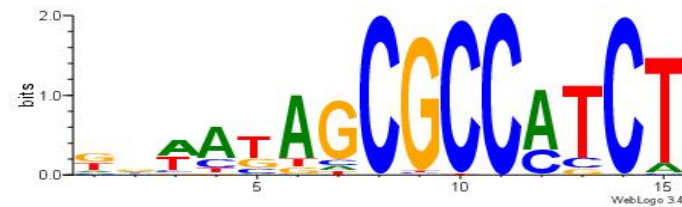
Alignment:

AGATGGCGCTATWHM
 ----AGCGCCVCCTR

Original motif Consensus sequence: AGATGGCGCTATWHM

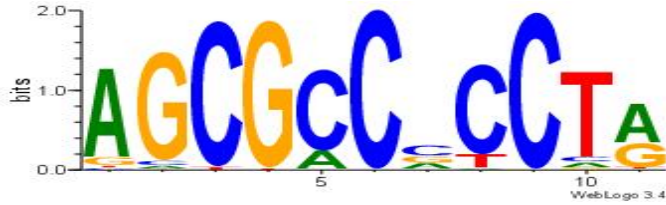


Reverse complement motif Consensus sequence: RDWATAGCGCCA



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

Original motif Consensus sequence: AGCGCCVCCTR



Reverse complement motif Consensus sequence: KAGGVGGCGCT



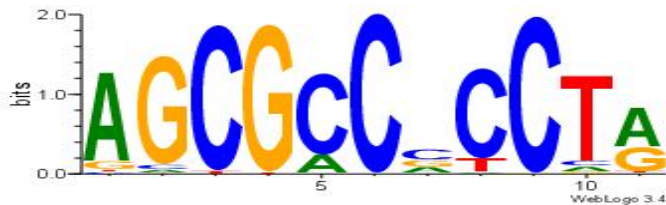
Best Matches for Significant Motif ID 3 (Highest to Lowest)

Dataset #:	1
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:	11
Similarity score:	0

Alignment:

AGCGCCVCCTR
AGCGCCVCCTR

Original motif Consensus sequence: AGCGCCVCCTR



Reverse complement motif Consensus sequence: KAGGVGGCGCT

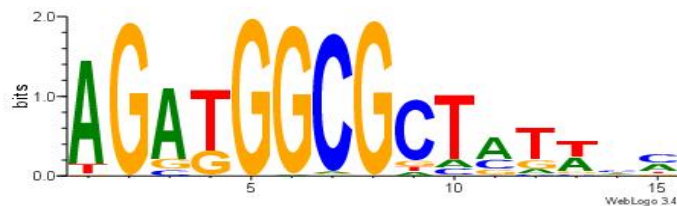


Dataset #: 1
 Motif ID: 1
 Motif name: Motif 1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.120204

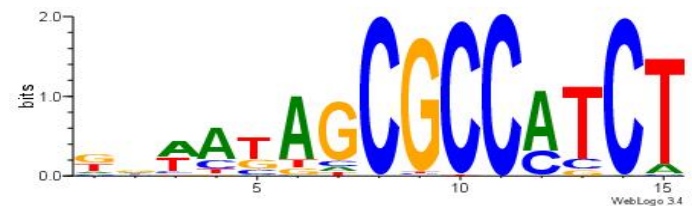
Alignment:

AGATGGCGCTATWHM
 ----AGCGCCVCCTR

Original motif Consensus sequence: AGATGGCGCTATWHM

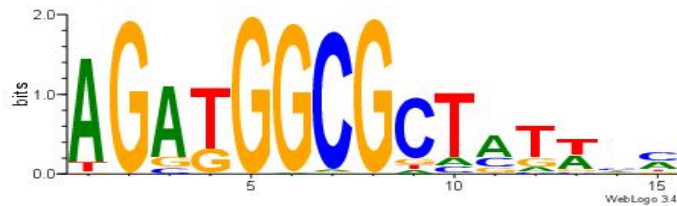


Reverse complement motif Consensus sequence: RDWATAGCGCCA

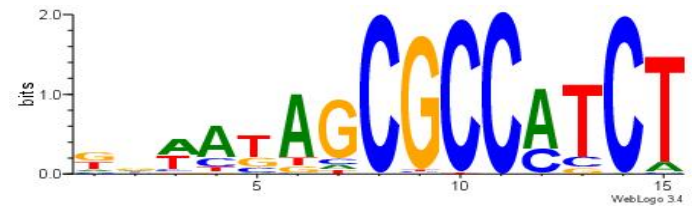


Dataset #: 1 Motif ID: 1 Motif name: Motif 1

Original motif Consensus sequence: AGATGGCGCTATWHM



Reverse complement motif Consensus sequence: RDWATAGCGCCA



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

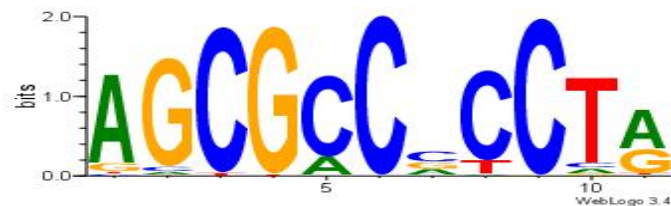
Dataset #: 1
 Motif ID: 2
 Motif name: Motif 2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.0742905

Alignment:

```

----AGCGCCVCCTR
AGATGGCGCTATWHM
  
```

Original motif Consensus sequence: AGCGCCVCCTR



Reverse complement motif Consensus sequence: KAGGVGGCGCT



Dataset #: 1
 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: 1
 Number of overlap: 11
 Similarity score: 0.0742905

Alignment:

----AGCGCCVCCTR
 AGATGGCGCTATWHM

Original motif Consensus sequence: AGCGCCVCCTR



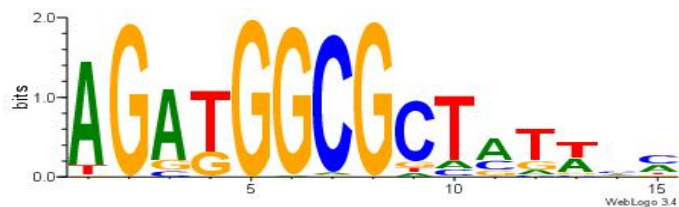
Reverse complement motif Consensus sequence: KAGVGGCGCT



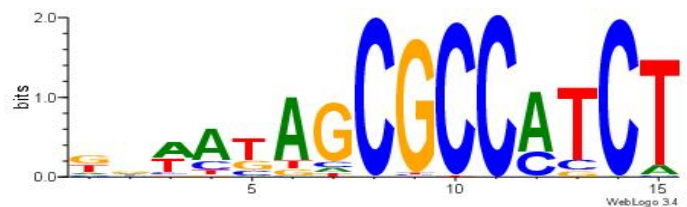
Best Matches for Each Motif (Highest to Lowest)

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

Original motif Consensus sequence: AGATGGCGCTATWHM



Reverse complement motif Consensus sequence: RDWATAGCGCCA



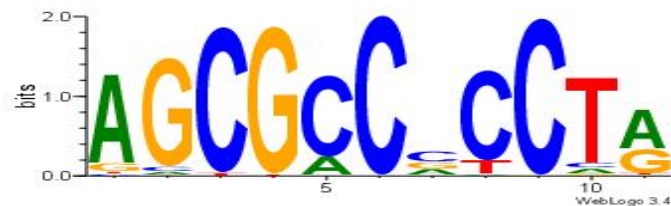
Best Matches for Motif ID 1 (Highest to Lowest)

Dataset #: 1
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: 11
Similarity score: 0.0742905

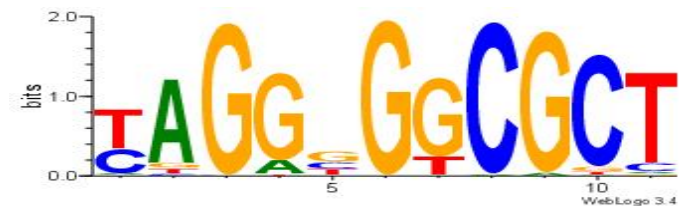
Alignment:

```
----AGCGCCVCCTR  
AGATGGCGCTATWHM
```

Original motif Consensus sequence: AGCGCCVCCTR



Reverse complement motif Consensus sequence: KAGGVGGCGCT



Dataset #: 1
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: 1
 Number of overlap: 11
 Similarity score: 0.0742905

Alignment:

----AGCGCCVCCTR
 AGATGGCGCTATWHM

Original motif Consensus sequence: AGCGCCVCCTR



Reverse complement motif Consensus sequence: KAGGVGGCGCT



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

Original motif Consensus sequence: AGCGCCVCCTR



Reverse complement motif Consensus sequence: KAGGVGGCGCT



Best Matches for Motif ID 2 (Highest to Lowest)

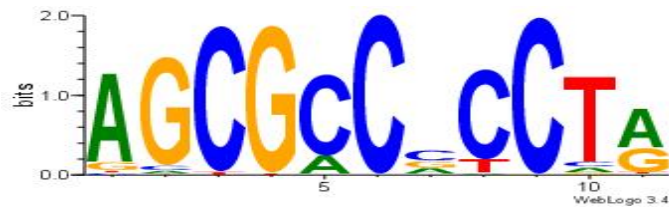
Dataset #: 1
 Motif ID: 3
 Motif name: Motif 3

Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0

Alignment:

AGCGCCVCCTR
 AGCGCCVCCTR

Original motif Consensus sequence: AGCGCCVCCTR



Reverse complement motif Consensus sequence: KAGVGGCGCT

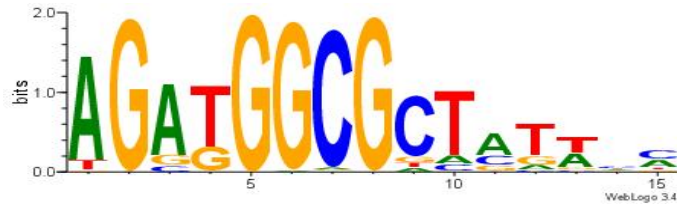


Dataset #: 1
 Motif ID: 1
 Motif name: Motif 1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 11
 Similarity score: 0.120204

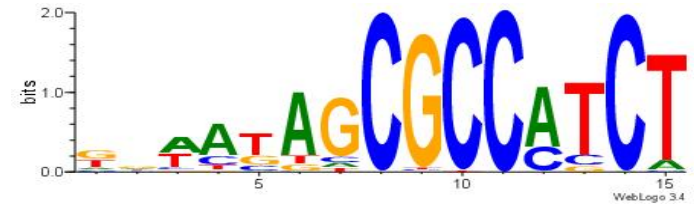
Alignment:

AGATGGCGCTATWHM
 ----AGCGCCVCCTR

Original motif Consensus sequence: AGATGGCGCTATWHM

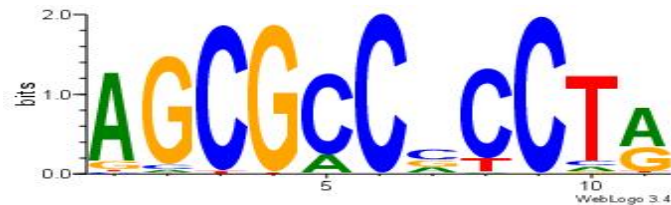


Reverse complement motif Consensus sequence: RDWATAGCGCCA



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

Original motif Consensus sequence: AGCGCCVCCTR



Reverse complement motif Consensus sequence: KAGVGGCGCT



Best Matches for Motif ID 3 (Highest to Lowest)

Dataset #:	1
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:	11
Similarity score:	0

Alignment:

AGCGCCVCCTR
AGCGCCVCCTR

Original motif Consensus sequence: AGCGCCVCCTR



Reverse complement motif Consensus sequence: KAGGVGGCGCT



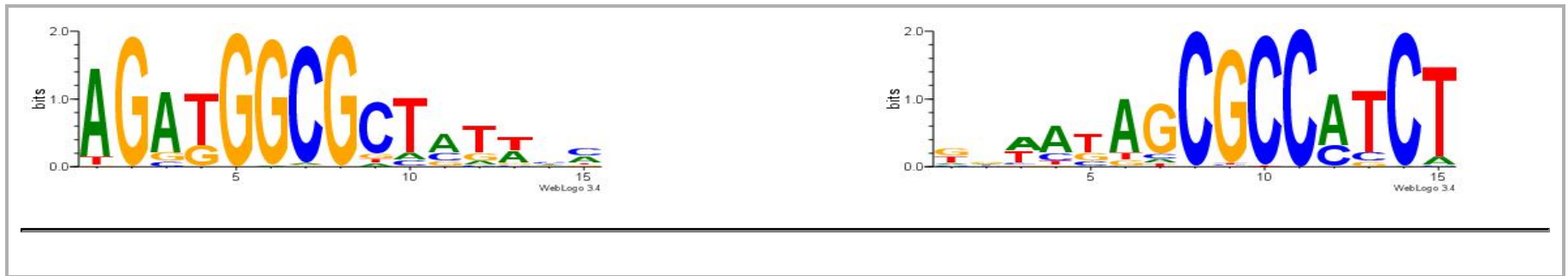
Dataset #: 1
Motif ID: 1
Motif name: Motif 1
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 11
Similarity score: 0.120204

Alignment:

AGATGGCGCTATWHM
----AGCGCCVCCTR

Original motif Consensus sequence: AGATGGCGCTATWHM

Reverse complement motif Consensus sequence: RDWATAGCGCCA



Results created by MOTIFSIM on 04-19-2024 14:13:07
Runtime: 532.394 seconds

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