



MOTIFSIM - MOTIF SIMilarity Detection Tool

Version 2.2

INPUT

Input Parameters

Number of files:	2
Number of top significant motifs:	5
Number of best matches:	5
Similarity cutoff >=	0.75
Matching motif database:	UniProbe Homo Sapiens
Motif tree:	Yes
Combined similar motifs:	No
Output file type:	All
Output file format:	PDF

Input files and motif counts

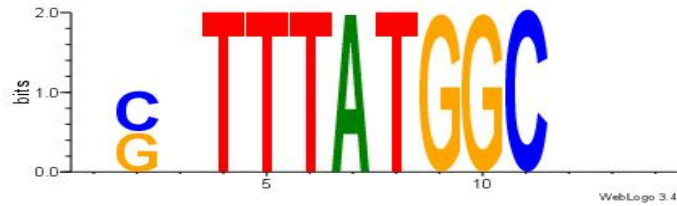
File name	Count of motifs	Dataset number
Abdominal-B.txt	2	1
Abdominal-B.txt	2	2

RESULTS

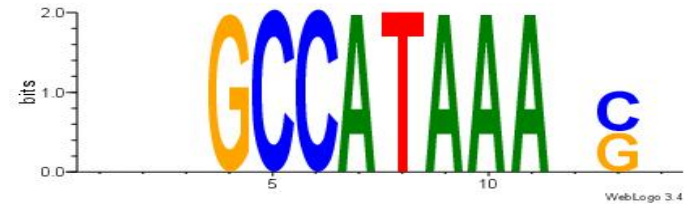
Top 5 Significant Motifs - Global Matching (Highest to Lowest)

Dataset #: 1	Motif ID: 1	Motif name: Abdominal-B_1
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Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



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

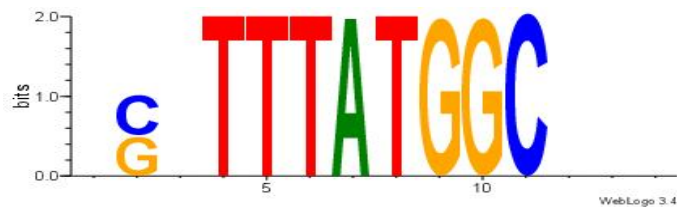
Dataset #: 2
Motif ID: 3
Motif name: Abdominal-B_1
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0

Alignment:

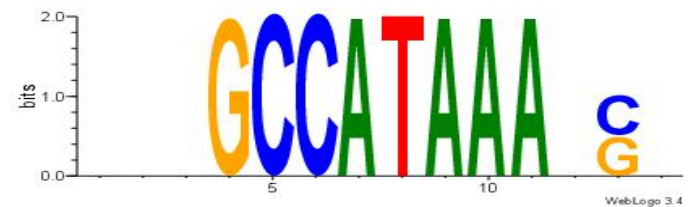
NSNTTTATGGCNNN

NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

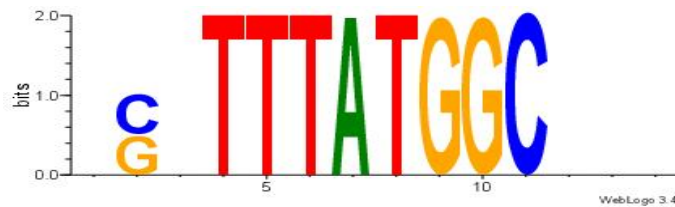


Dataset #: 2
 Motif ID: 4
 Motif name: Abdominal-B_2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

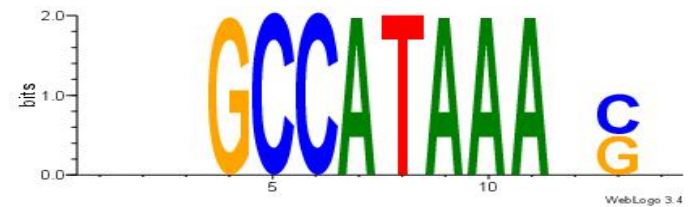
Alignment:

NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

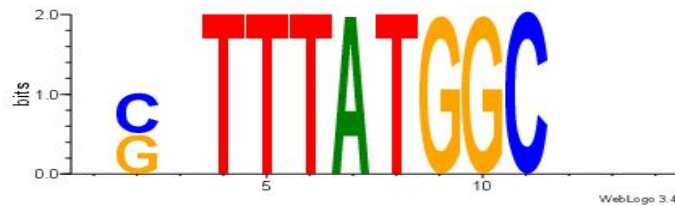


Reverse complement motif Consensus sequence: NNNGCCATAAANS

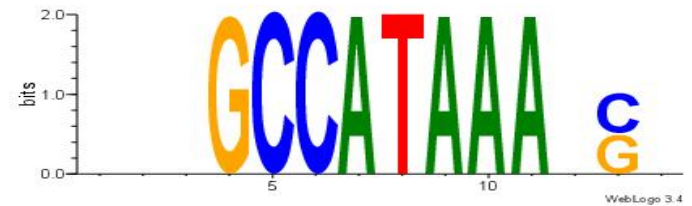


Dataset #: 1 Motif ID: 2 Motif name: Abdominal-B_2

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



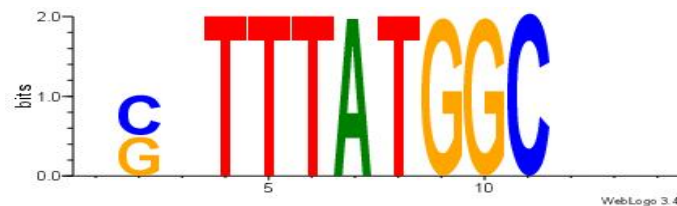
Best Matches for Top Significant Motif ID 2 (Highest to Lowest)

Dataset #: 2
Motif ID: 3
Motif name: Abdominal-B_1
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

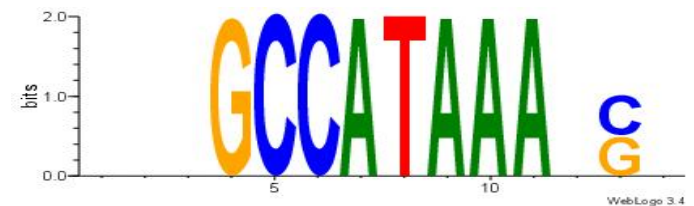
Alignment:

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NSNTTTATGGCNNN  
NSNTTTATGGCNNN
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Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

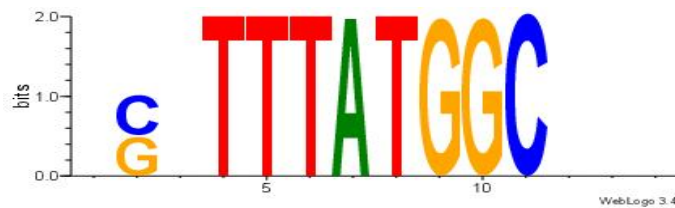


Dataset #: 2
Motif ID: 4
Motif name: Abdominal-B_2
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif

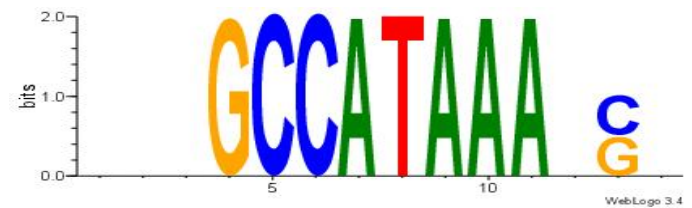
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0

Alignment:
NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

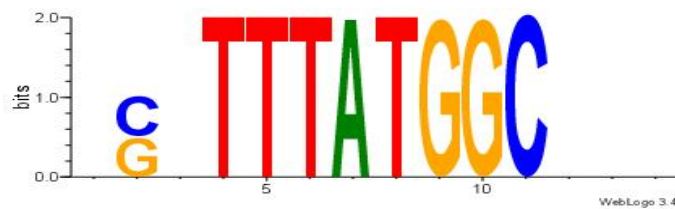


Reverse complement motif Consensus sequence: NNNGCCATAAANS

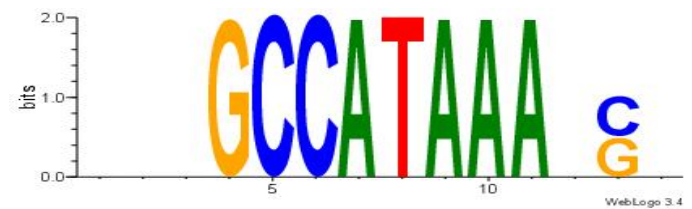


Dataset #: 2 Motif ID: 3 Motif name: Abdominal-B_1

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



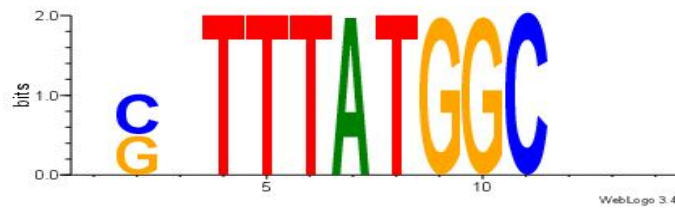
Best Matches for Top Significant Motif ID 3 (Highest to Lowest)

Dataset #: 1
Motif ID: 1
Motif name: Abdominal-B_1

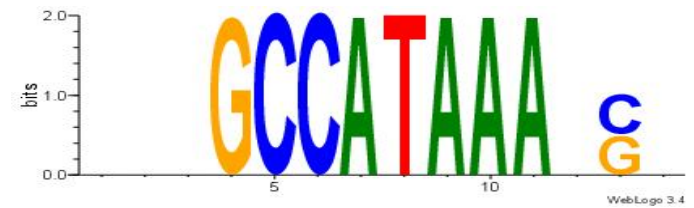
Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

Alignment:
 NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

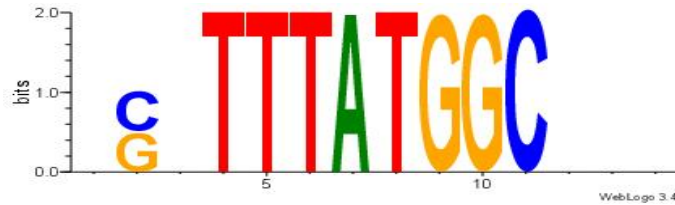


Dataset #: 1
 Motif ID: 2
 Motif name: Abdominal-B_2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

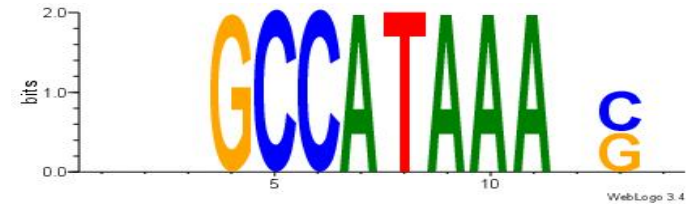
Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

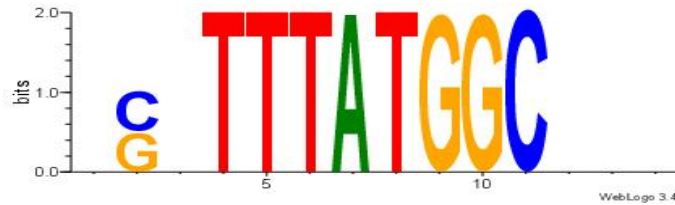


Reverse complement motif Consensus sequence: NNNGCCATAAANS

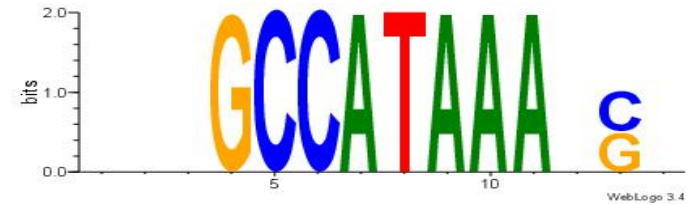


Dataset #: 2 Motif ID: 4 Motif name: Abdominal-B_2

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



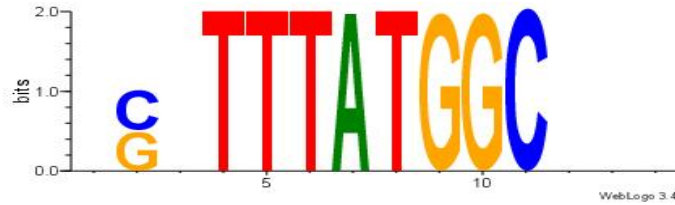
Best Matches for Top Significant Motif ID 4 (Highest to Lowest)

Dataset #:	1
Motif ID:	1
Motif name:	Abdominal-B_1
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

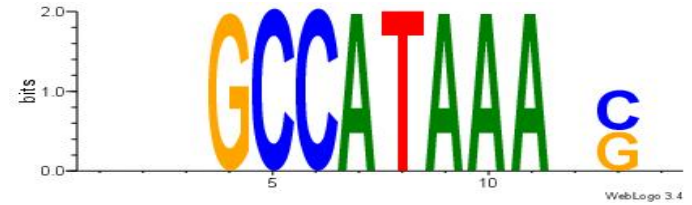
Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



Dataset #: 1
Motif ID: 2
Motif name: Abdominal-B_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

Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

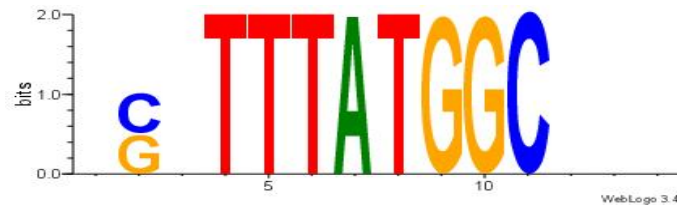
Reverse complement motif Consensus sequence: NNNGCCATAAANS



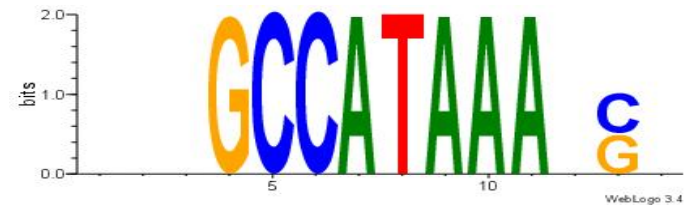
Significant Motifs - Global and Local Matching (Highest to Lowest)

Dataset #: 1 Motif ID: 1 Motif name: Abdominal-B_1

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



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

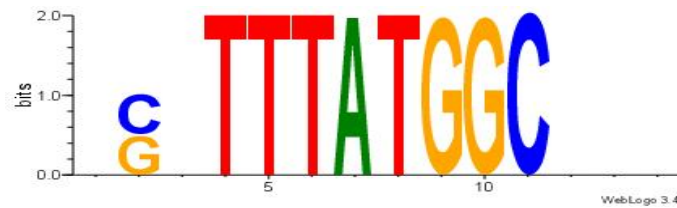
Dataset #:	1
Motif ID:	2
Motif name:	Abdominal-B_2
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	14

Similarity score: 0

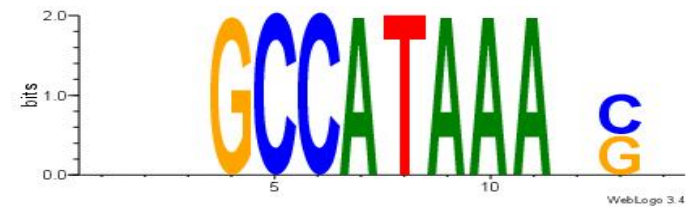
Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNGCCATAAANS



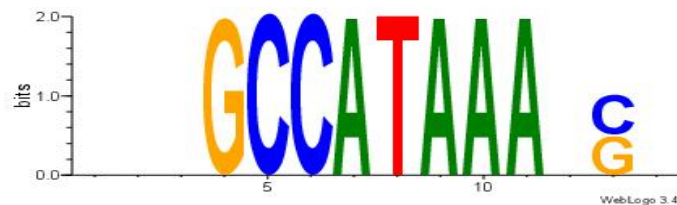
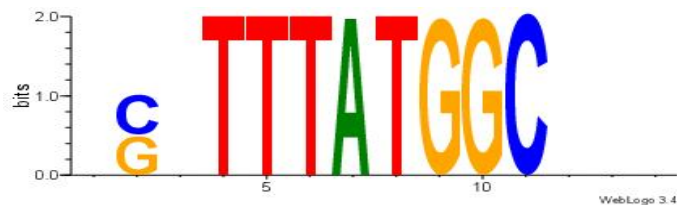
Dataset #: 2
Motif ID: 4
Motif name: Abdominal-B_2
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0

Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

Reverse complement motif Consensus sequence: NNGCCATAAANS

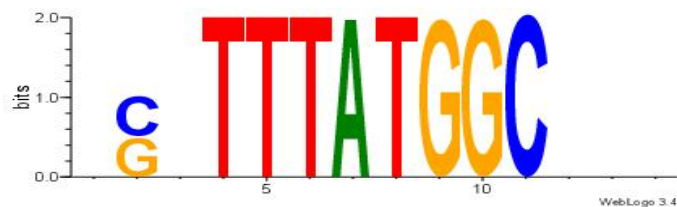


Dataset #: 2
 Motif ID: 3
 Motif name: Abdominal-B_1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

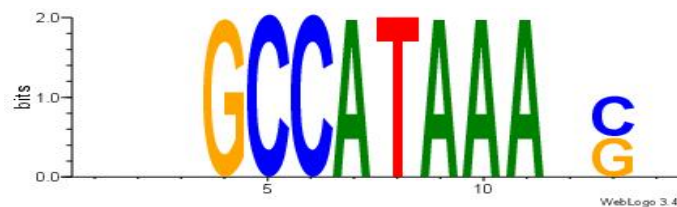
Alignment:

NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

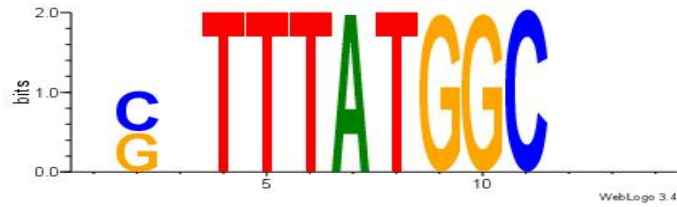


Reverse complement motif Consensus sequence: NNNGCCATAAANS

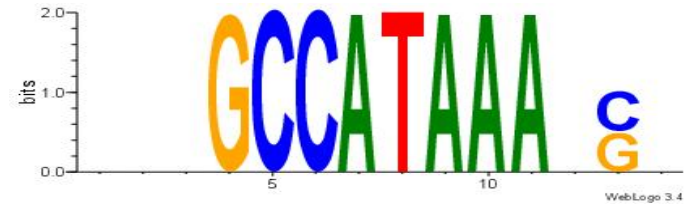


Dataset #: 1 Motif ID: 2 Motif name: Abdominal-B_2

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



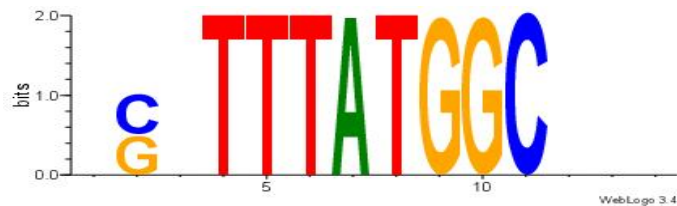
Best Matches for Significant Motif ID 2 (Highest to Lowest)

Dataset #:	1
Motif ID:	1
Motif name:	Abdominal-B_1
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

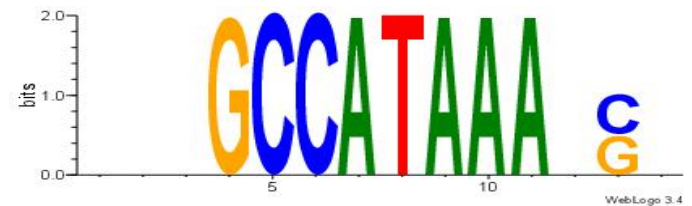
Alignment:

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NSNTTTATGGCNNN
NSNTTTATGGCNNN
```

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

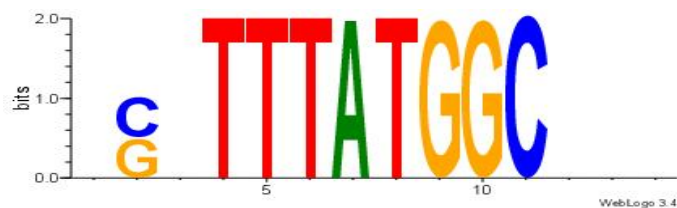


Dataset #: 2
 Motif ID: 4
 Motif name: Abdominal-B_2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

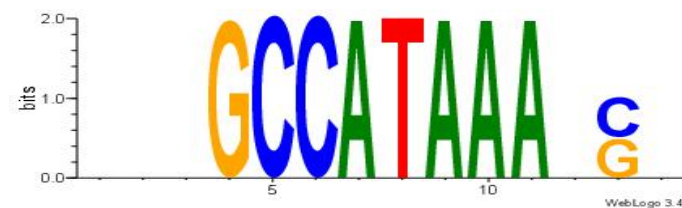
Alignment:

NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNGCCATAAANS



Dataset #: 2
 Motif ID: 3
 Motif name: Abdominal-B_1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14

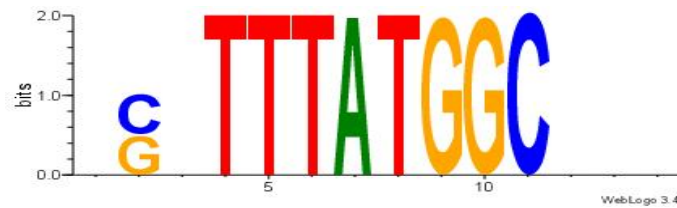
Similarity score: 0

Alignment:

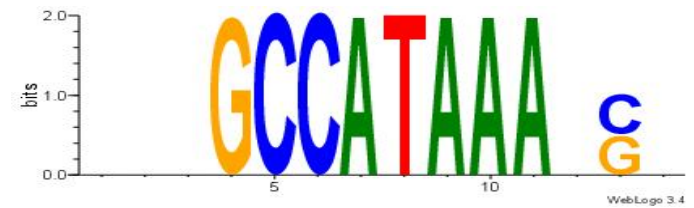
NSNTTTATGGCNNN

NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

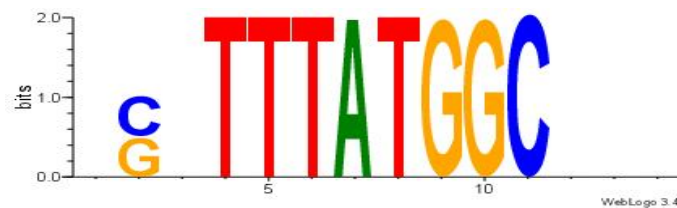


Reverse complement motif Consensus sequence: NNNGCCATAAANS

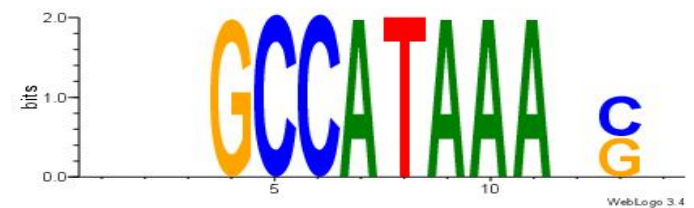


Dataset #: 2 Motif ID: 3 Motif name: Abdominal-B_1

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



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

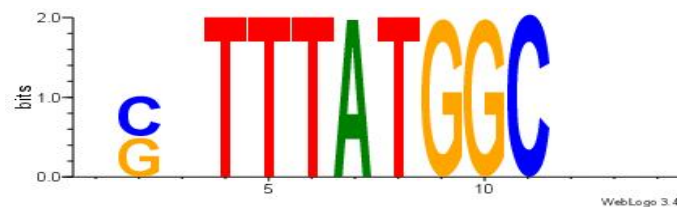
Dataset #:	1
Motif ID:	1
Motif name:	Abdominal-B_1
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward

Position number: 1
Number of overlap: 14
Similarity score: 0

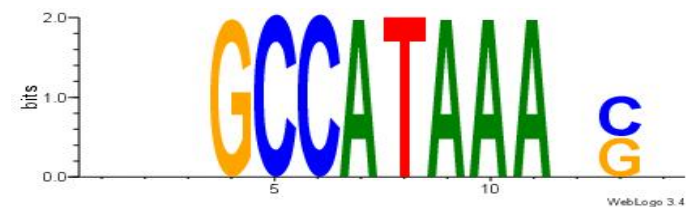
Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



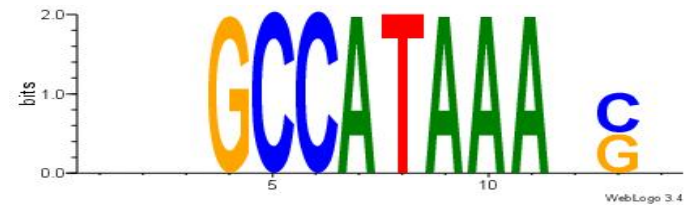
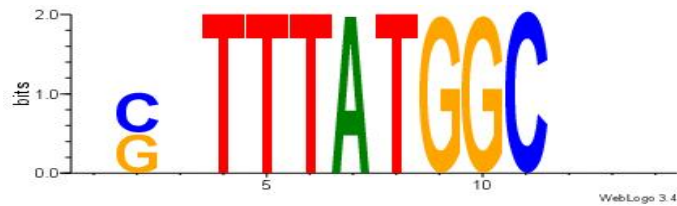
Dataset #: 2
Motif ID: 4
Motif name: Abdominal-B_2
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0

Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

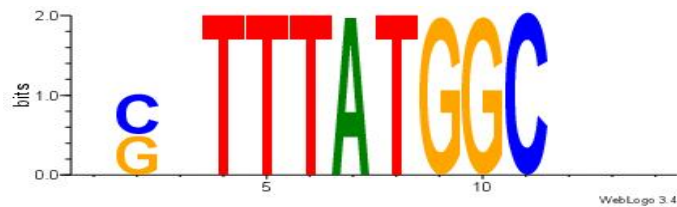
Reverse complement motif Consensus sequence: NNNGCCATAAANS



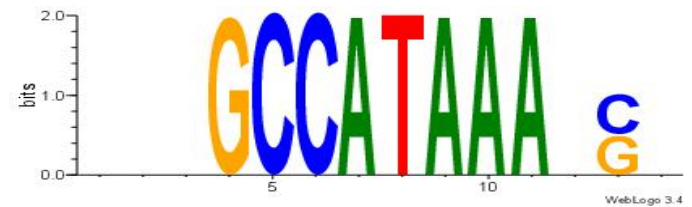
Dataset #: 1
 Motif ID: 2
 Motif name: Abdominal-B_2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

Alignment:
 NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

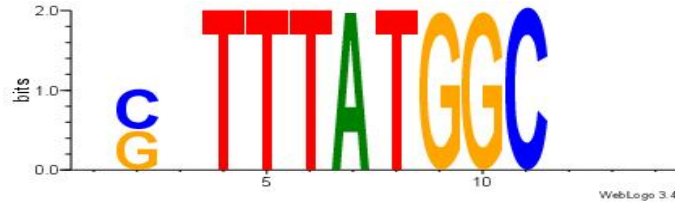


Reverse complement motif Consensus sequence: NNNGCCATAAANS

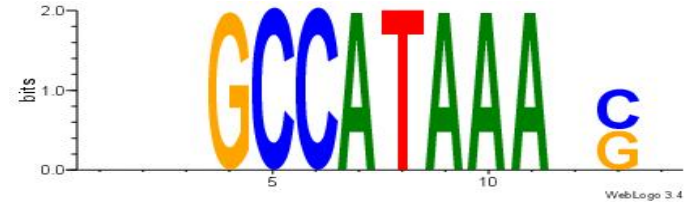


Dataset #: 2 Motif ID: 4 Motif name: Abdominal-B_2

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



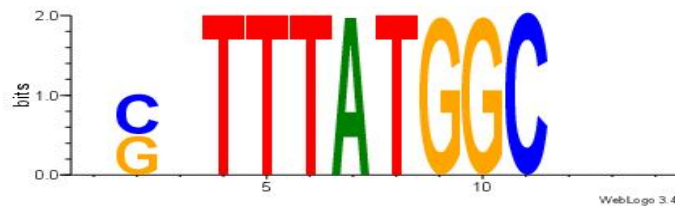
Best Matches for Significant Motif ID 4 (Highest to Lowest)

Dataset #: 1
Motif ID: 1
Motif name: Abdominal-B_1
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

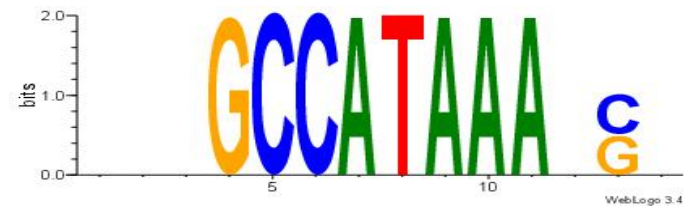
Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

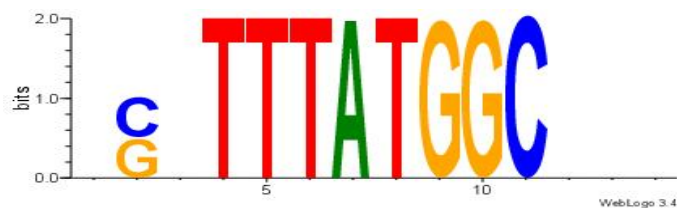


Dataset #: 2
 Motif ID: 3
 Motif name: Abdominal-B_1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

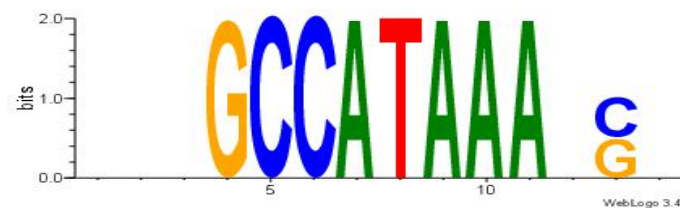
Alignment:

NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNGCCATAAANS



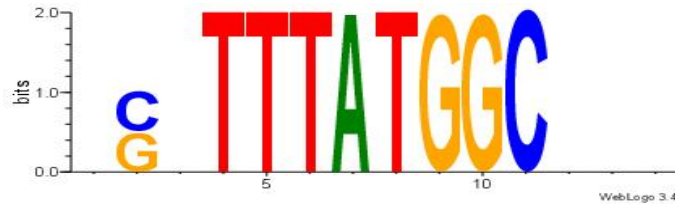
Dataset #: 1
 Motif ID: 2
 Motif name: Abdominal-B_2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14

Similarity score: 0

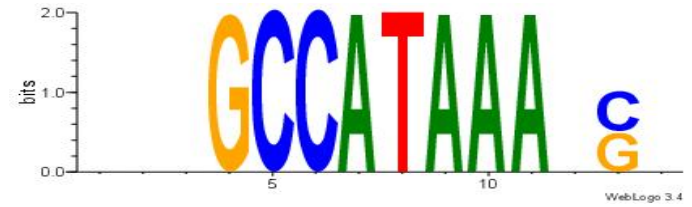
Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



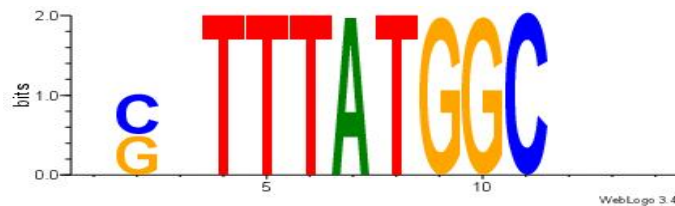
Reverse complement motif Consensus sequence: NNNGCCATAAANS



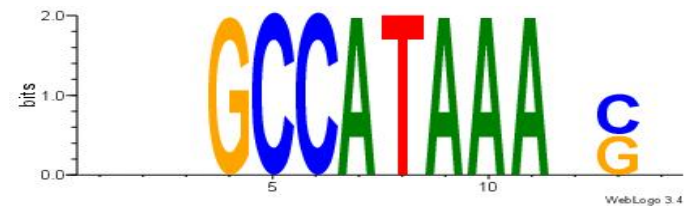
Best Matches for Each Motif (Highest to Lowest)

Dataset #: 1 Motif ID: 1 Motif name: Abdominal-B_1

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



Best Matches for Motif ID 1 (Highest to Lowest)

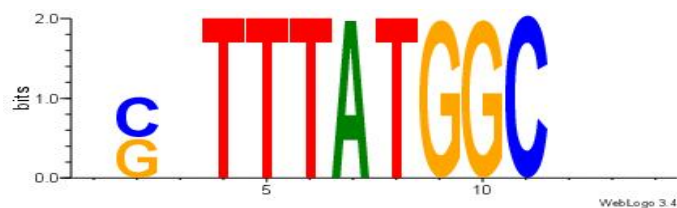
Dataset #: 1

Motif ID: 2
 Motif name: Abdominal-B_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

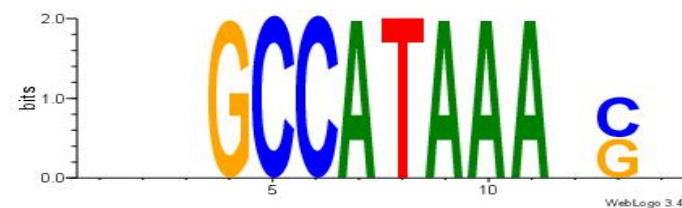
Alignment:

NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

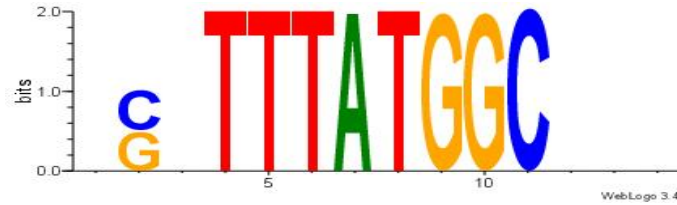


Dataset #: 2
 Motif ID: 4
 Motif name: Abdominal-B_2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

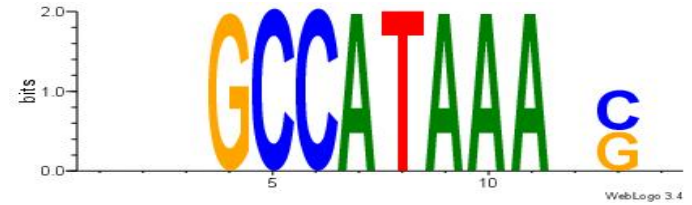
Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



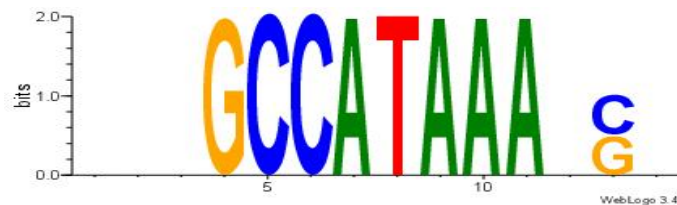
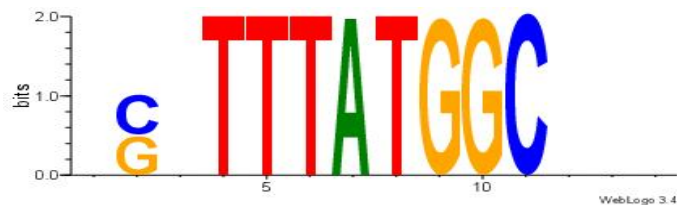
Dataset #: 2
Motif ID: 3
Motif name: Abdominal-B_1
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0

Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

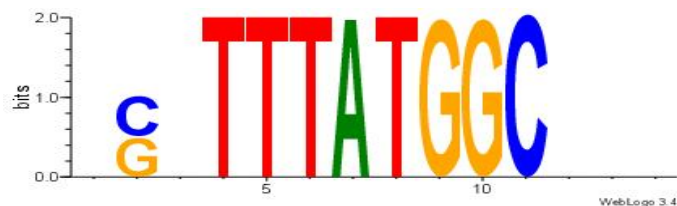
Original motif Consensus sequence: NSNTTTATGGCNNN

Reverse complement motif Consensus sequence: NNNGCCATAAANS

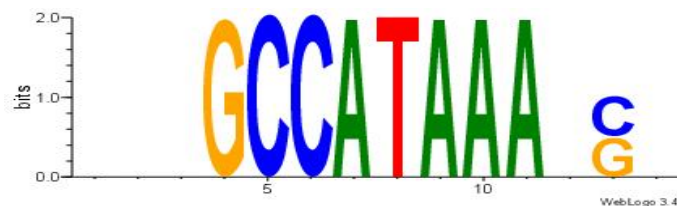


Dataset #: 1 Motif ID: 2 Motif name: Abdominal-B_2

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

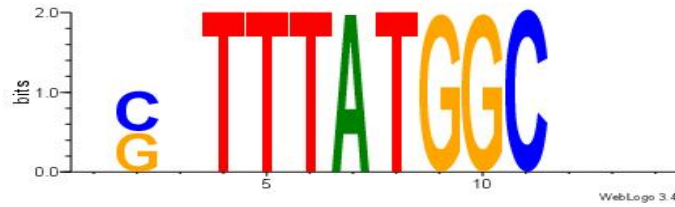


Best Matches for Motif ID 2 (Highest to Lowest)

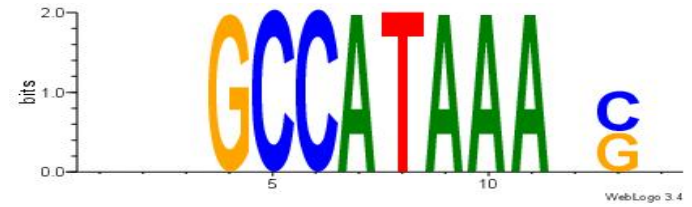
Dataset #:	1
Motif ID:	1
Motif name:	Abdominal-B_1
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	1
Number of overlap:	14
Similarity score:	0

Alignment:
 NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

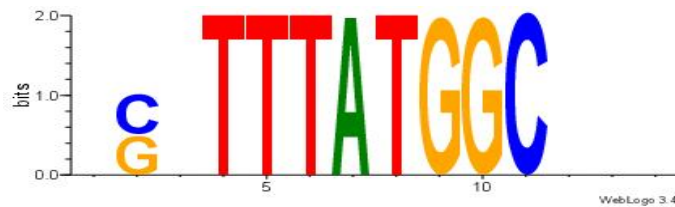


Dataset #: 2
Motif ID: 4
Motif name: Abdominal-B_2
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0

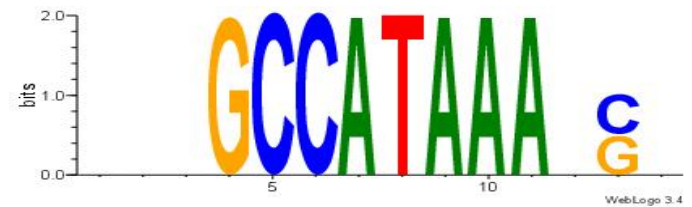
Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

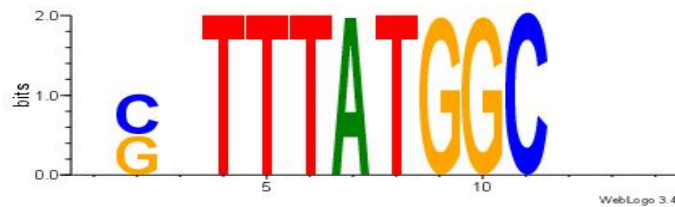


Dataset #: 2
 Motif ID: 3
 Motif name: Abdominal-B_1
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

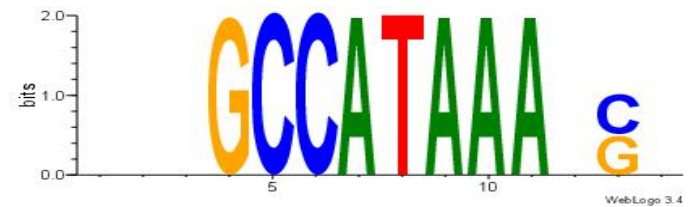
Alignment:

NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

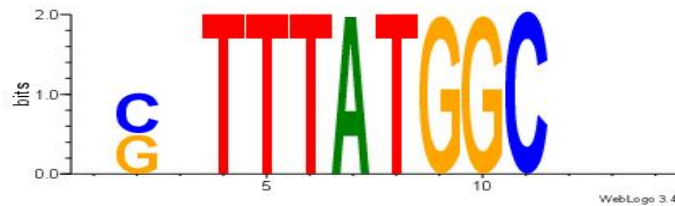


Reverse complement motif Consensus sequence: NNGCCATAAANS

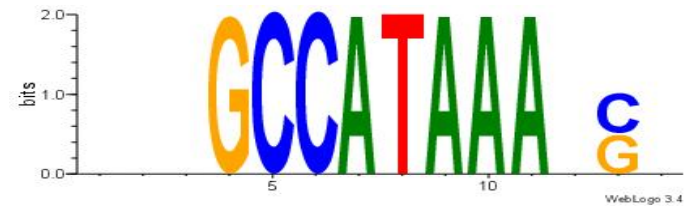


Dataset #: 2 Motif ID: 3 Motif name: Abdominal-B_1

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNGCCATAAANS



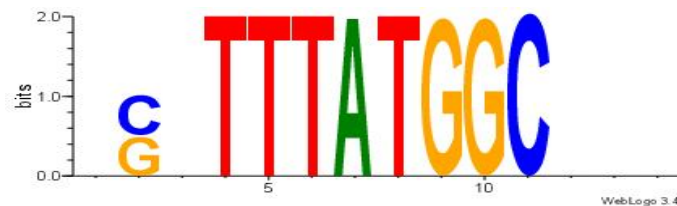
Best Matches for Motif ID 3 (Highest to Lowest)

Dataset #: 1
Motif ID: 1
Motif name: Abdominal-B_1
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

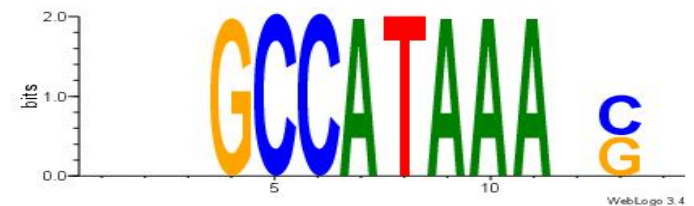
Alignment:

```
NSNTTTATGGCNNN  
NSNTTTATGGCNNN
```

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

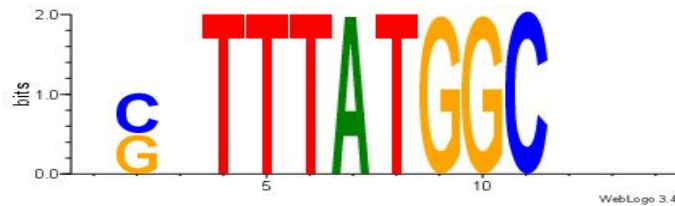


Dataset #: 2
Motif ID: 4
Motif name: Abdominal-B_2
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif

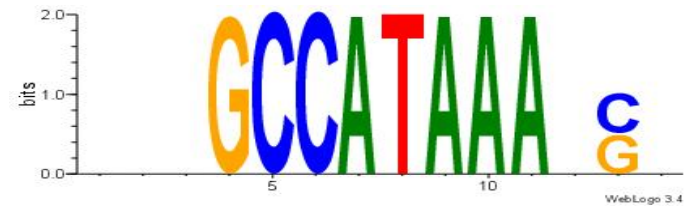
Direction: Backward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

Alignment:
 NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



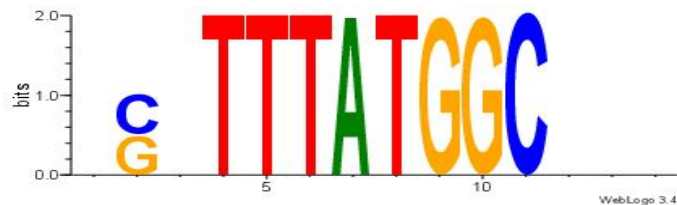
Reverse complement motif Consensus sequence: NNGCCATAAANS



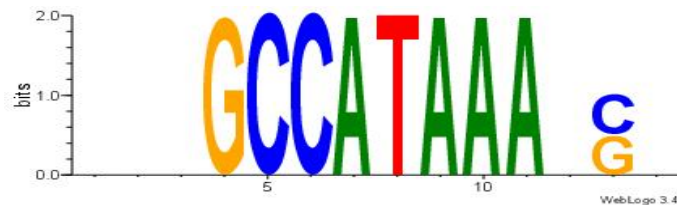
Dataset #: 1
 Motif ID: 2
 Motif name: Abdominal-B_2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

Alignment:
 NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

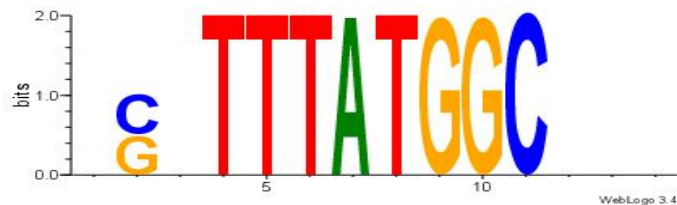


Reverse complement motif Consensus sequence: NNNGCCATAAANS

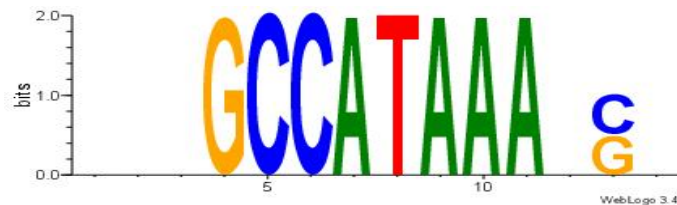


Dataset #: 2 Motif ID: 4 Motif name: Abdominal-B_2

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



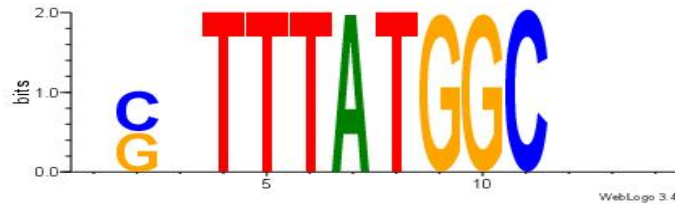
Best Matches for Motif ID 4 (Highest to Lowest)

Dataset #:	1
Motif ID:	1
Motif name:	Abdominal-B_1
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

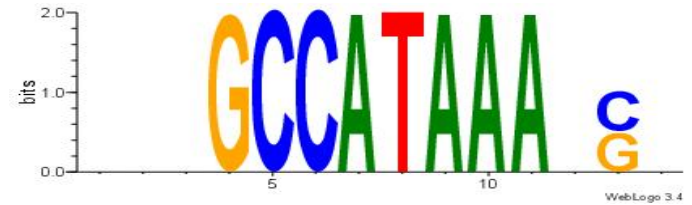
Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

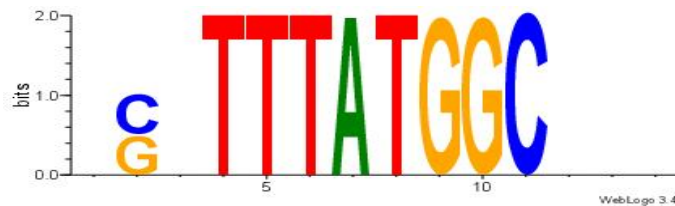


Dataset #: 2
Motif ID: 3
Motif name: Abdominal-B_1
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 1
Number of overlap: 14
Similarity score: 0

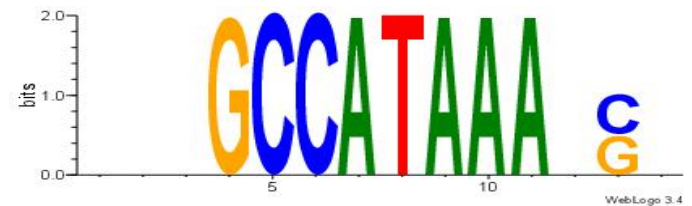
Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

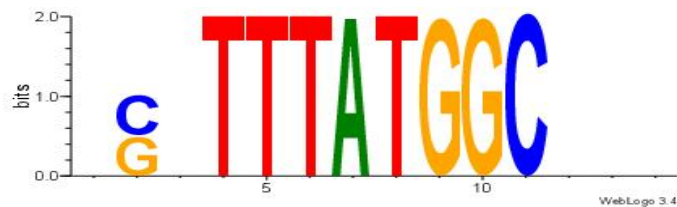


Dataset #: 1
Motif ID: 2
Motif name: Abdominal-B_2
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0

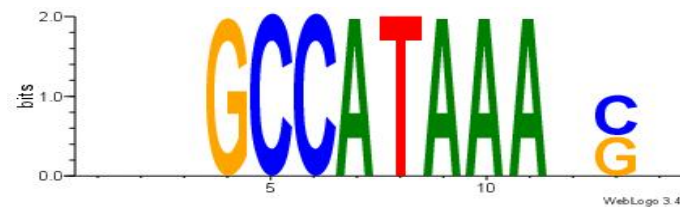
Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



Results created by MOTIFSIM on 06-24-2023 15:32:23
Runtime: 60.2328 seconds

MOTIFSIM is written by Ngoc Tam L. Tran
Motif logo generated by [weblogo](http://weblogo.threeplusone.com)