



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

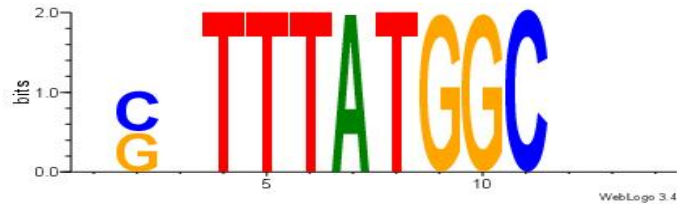
| File name | Count of motifs | Dataset number |
|-----------------|-----------------|----------------|
| Abdominal-B.txt | 2 | 1 |
| Abdominal-B.txt | 2 | 2 |

RESULTS

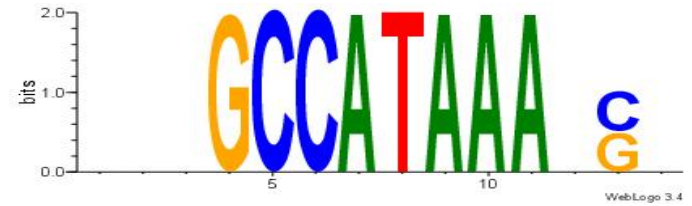
Top 5 Significant Motifs - Global Matching (Highest to Lowest)

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

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



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

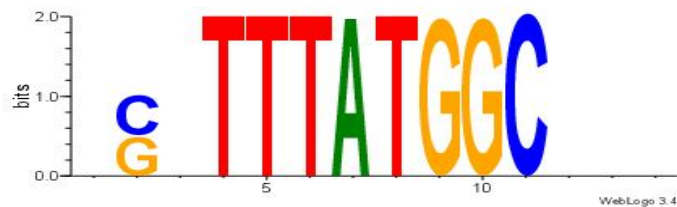
Dataset #: 2
Motif ID: 3
Motif name: Abdominal-B_1
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Forward
Position number: 1
Number of overlap: 14
Similarity score: 0

Alignment:

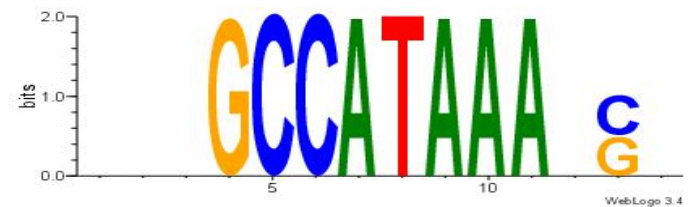
NSNTTTATGGCNNN

NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

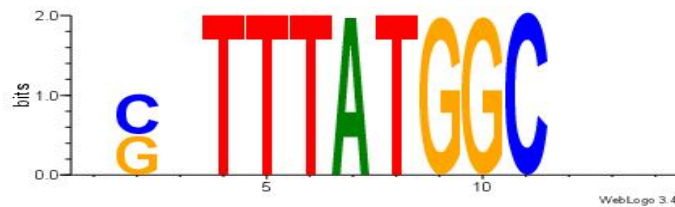


Dataset #: 2
 Motif ID: 4
 Motif name: Abdominal-B_2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

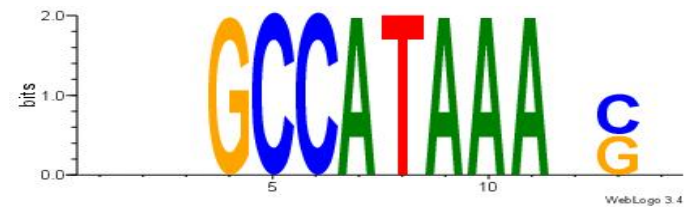
Alignment:

NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

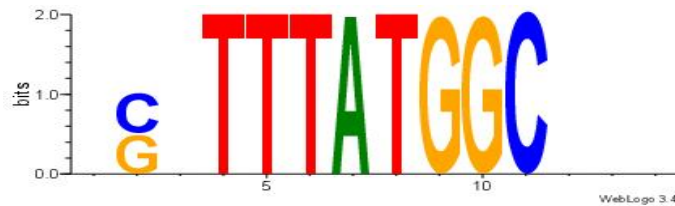


Reverse complement motif Consensus sequence: NNNGCCATAAANS

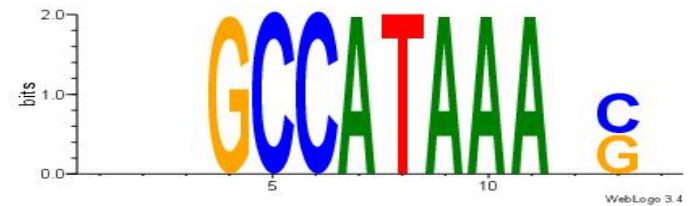


Dataset #: 1 Motif ID: 2 Motif name: Abdominal-B_2

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



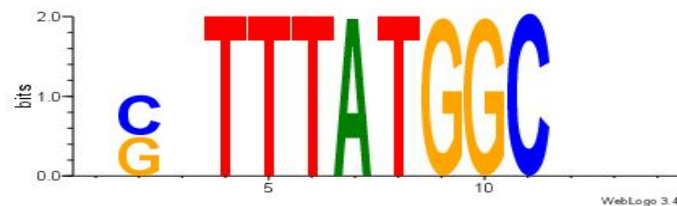
Best Matches for Top Significant Motif ID 2 (Highest to Lowest)

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

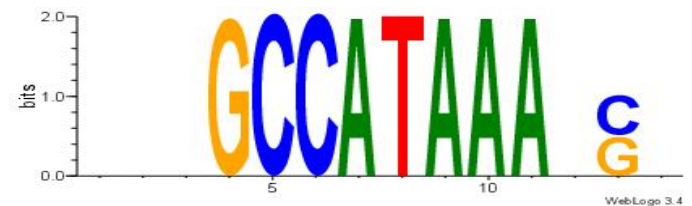
Alignment:

```
NSNTTTATGGCNNN  
NSNTTTATGGCNNN
```

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

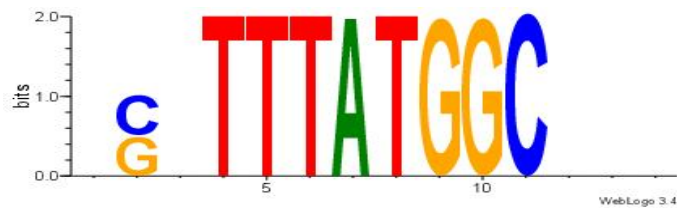


Dataset #: 2
Motif ID: 4
Motif name: Abdominal-B_2
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif

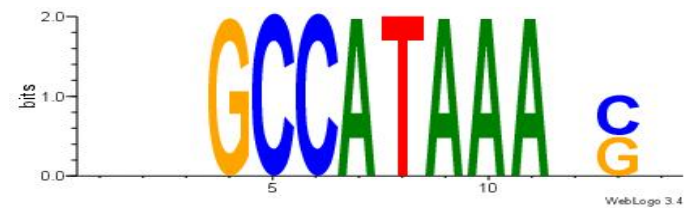
Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

Alignment:
 NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

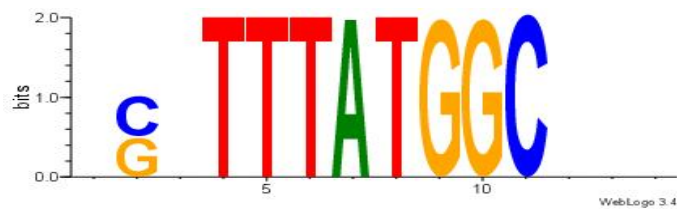


Reverse complement motif Consensus sequence: NNNGCCATAAANS

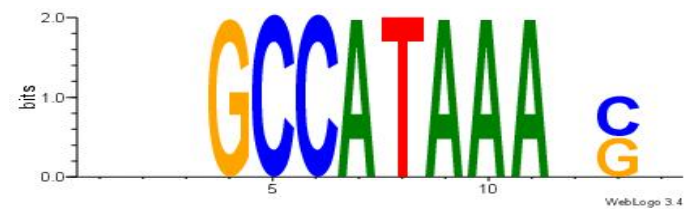


Dataset #: 2 Motif ID: 3 Motif name: Abdominal-B_1

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



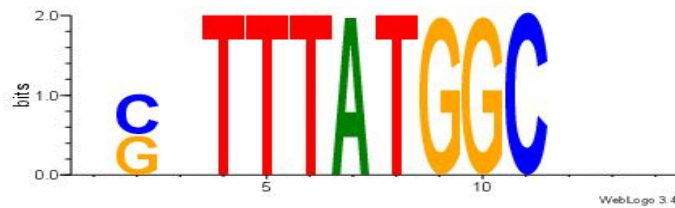
Best Matches for Top Significant Motif ID 3 (Highest to Lowest)

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

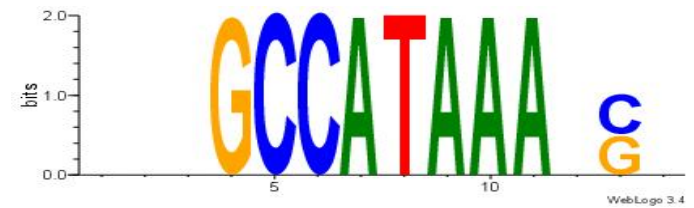
Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

Alignment:
 NSNTTTATGGCNNN
 NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS

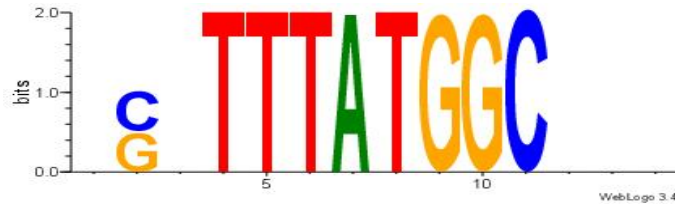


Dataset #: 1
 Motif ID: 2
 Motif name: Abdominal-B_2
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 1
 Number of overlap: 14
 Similarity score: 0

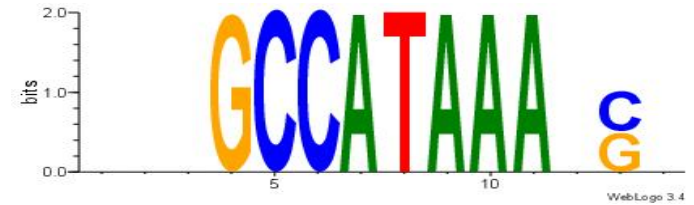
Alignment:

NSNTTTATGGCNNN
NSNTTTATGGCNNN

Original motif Consensus sequence: NSNTTTATGGCNNN

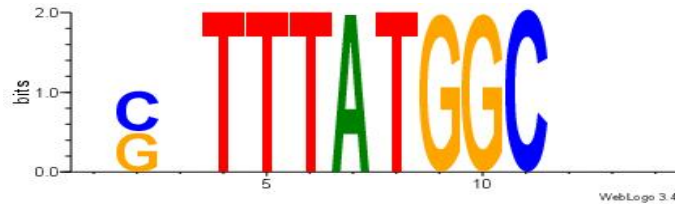


Reverse complement motif Consensus sequence: NNNGCCATAAANS

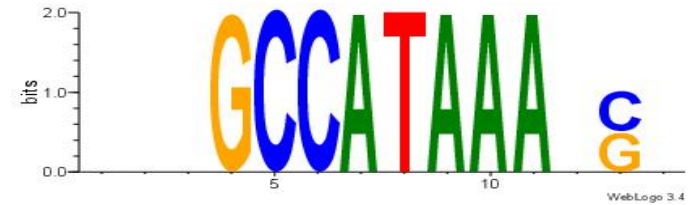


Dataset #: 2 Motif ID: 4 Motif name: Abdominal-B_2

Original motif Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif Consensus sequence: NNNGCCATAAANS



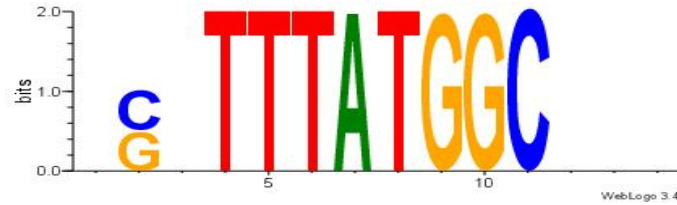
Best Matches for Top Significant Motif ID 4 (Highest to Lowest)

| | |
|----------------------------------|----------------|
| 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 |

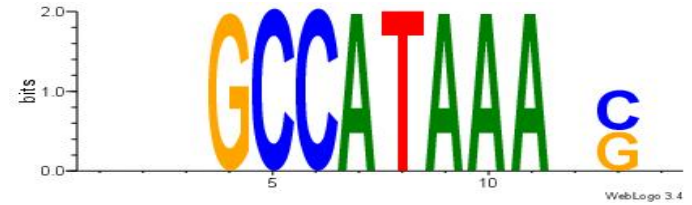
Alignment:

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



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

MOTIFSIM is written by Ngoc Tam L. Tran
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