



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 \geq	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

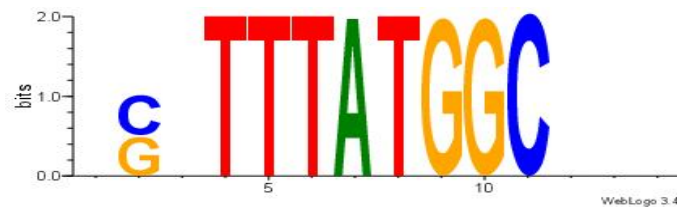
RESULTS

Best Matches in Database for Each Motif (Highest to Lowest)

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

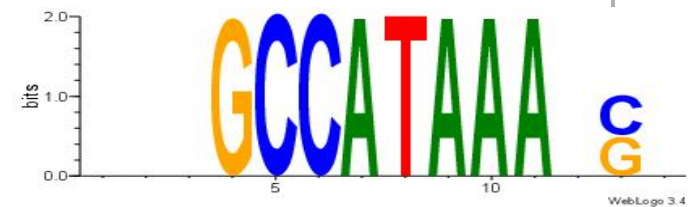
Original motif

Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif

Consensus sequence: NNNGCCATAAANSN



Best Matches for Motif ID 1 (Highest to Lowest)

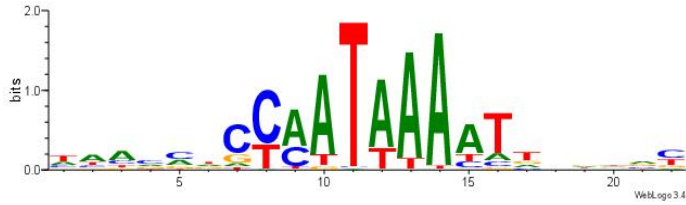
Motif ID:	UP00597
Motif name:	HOXD13_S316C_R2
Species:	Homo sapiens
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	14
Similarity score:	0.0318246

Alignment:

```
HHAVVDCCMATAAAAATDBDDVY  
---NNNGCCATAAANSN-----
```

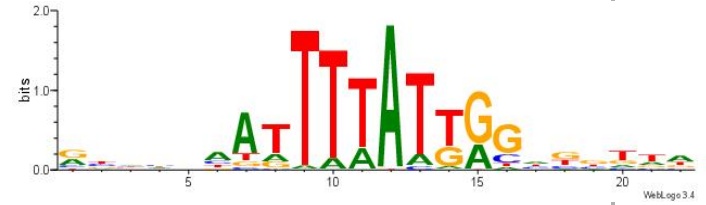
Original motif

Consensus sequence: HHAVVDCCMATAAAAATDBDDVY



Reverse complement motif

Consensus sequence: KBDHVDATTTTATYGGDVVTHH



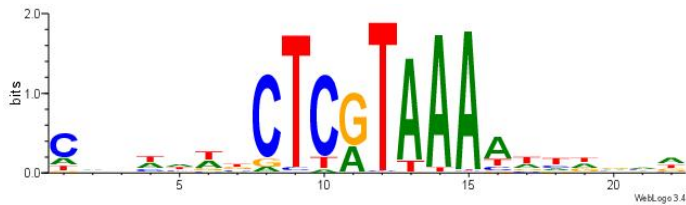
Motif ID: [UP00597](#)
 Motif name: HOXD13_S316C_R1
 Species: Homo sapiens
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 14
 Similarity score: 0.0401476

Alignment:

```
CDDHHWBCTCGTAAAADHDVHD
----NNGCCATAAANSN----
```

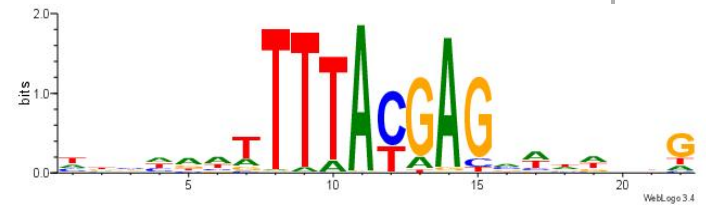
Original motif

Consensus sequence: CDDHHWBCTCGTAAAADHDVHD



Reverse complement motif

Consensus sequence: DHVDHDTTTTACGAGVWHHDDG



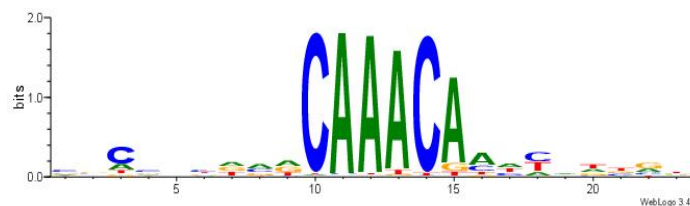
Motif ID: [UP00523](#)
Motif name: FOXR1_primary
Species: Homo sapiens
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 14
Similarity score: 0.0459944

Alignment:

DVVD BKHTTGT TTTGDBDBHVG VV
-----NSNTTTATGCCNN-----

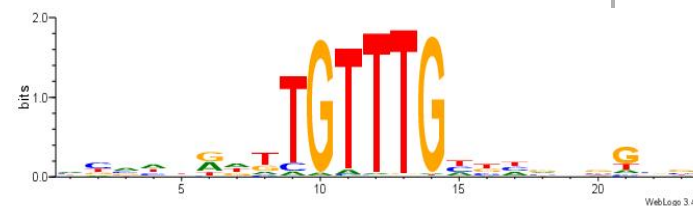
Original motif

Consensus sequence: VVCVHBDVDCAAACAAHYVDBVD



Reverse complement motif

Consensus sequence: DVVD BKHTTGT TTTGDBDBHVG VV



Motif ID: [UP00616](#)
Motif name: POU3F4
Species: Homo sapiens
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward

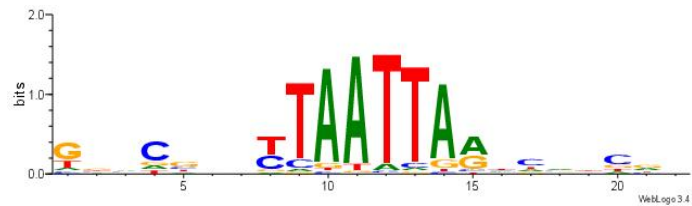
Position number: 5
Number of overlap: 14
Similarity score: 0.0475739

Alignment:

BHGDBDHKTAATTAMBBBGHBC
-----NSNTTTTATGGCNNN-----

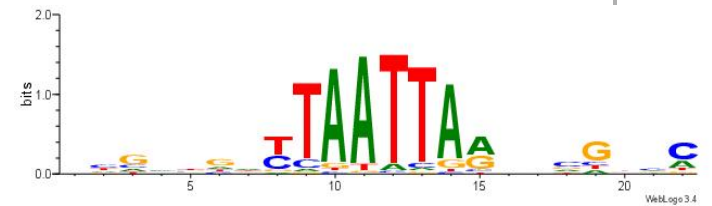
Original motif

Consensus sequence: GBHCBBBYTAATTARHHVDCDB



Reverse complement motif

Consensus sequence: BHGDBDHKTAATTAMBBBGHBC



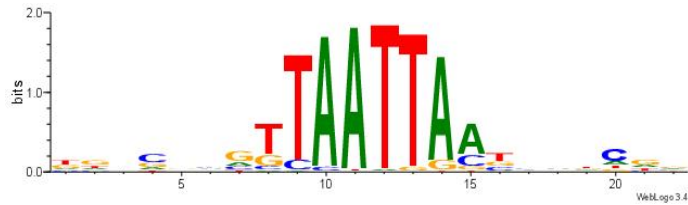
Motif ID: [UP00596](#)
Motif name: HOXC4_R158L_R2
Species: Homo sapiens
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 14
Similarity score: 0.0493444

Alignment:

DDVVVVGTTAATTAABHVDCDV
-----NSNTTTTATGGCNNN-----

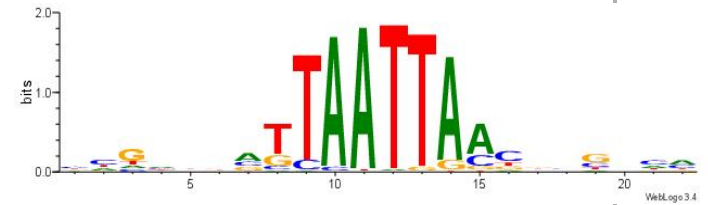
Original motif

Consensus sequence: DDVVVVGTTAATTAABHVDCDV



Reverse complement motif

Consensus sequence: VHGBBDVTTAATTAACVVVVHD



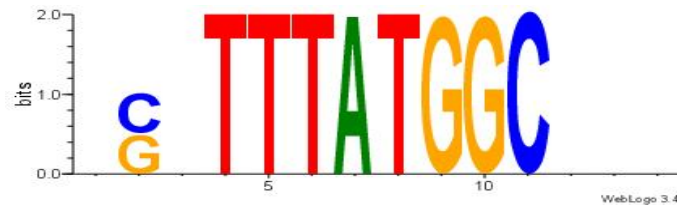
Dataset #: 1

Motif ID: 2

Motif name: Abdominal-B_2

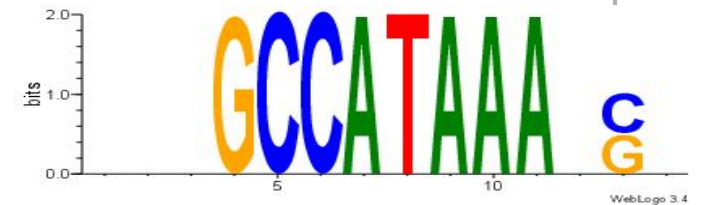
Original motif

Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif

Consensus sequence: NNGCCATAAANSN



Best Matches for Motif ID 2 (Highest to Lowest)

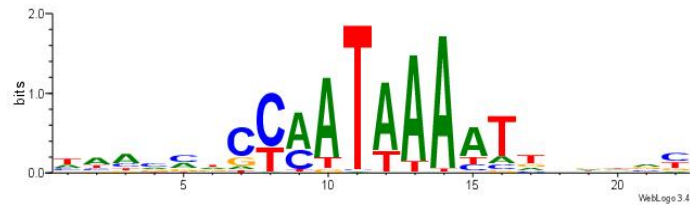
Motif ID:	UP00597
Motif name:	HOXD13_S316C_R2
Species:	Homo sapiens
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	4
Number of overlap:	14
Similarity score:	0.0318246

Alignment:

HHAVVDCCMATAAAATDBDDVY
---NNNGCCATAAANSN-----

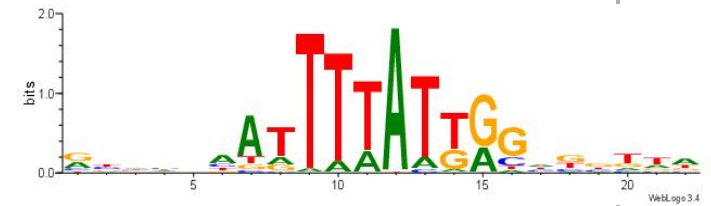
Original motif

Consensus sequence: HHAVVDCCMATAAAATDBDDVY



Reverse complement motif

Consensus sequence: KBDHVDATTTTATYGGDVVTHH



Motif ID: [UP00597](#)
Motif name: HOXD13_S316C_R1
Species: Homo sapiens
Matching format of first motif: Reverse Complement
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 14
Similarity score: 0.0401476

Alignment:

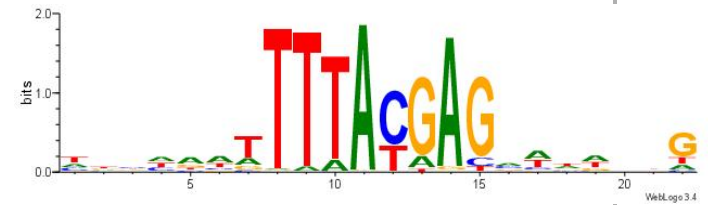
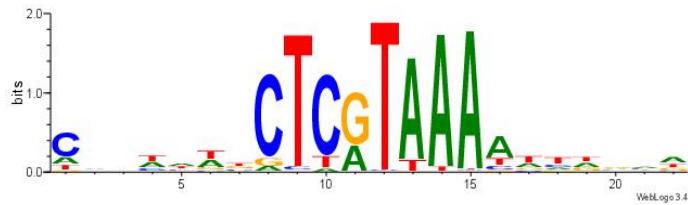
CDDHHWBCTCGTAAAADHDVHD
----NNNGCCATAAANSN----

Original motif

Consensus sequence: CDDHHWBCTCGTAAAADHDVHD

Reverse complement motif

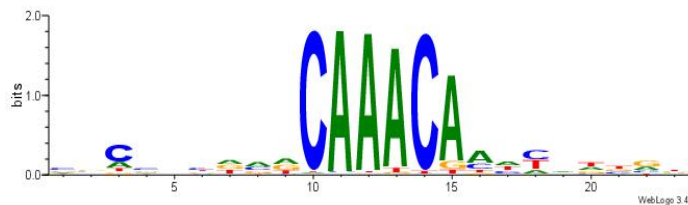
Consensus sequence: DHVDHDTTTTACGAGVWHHDDG



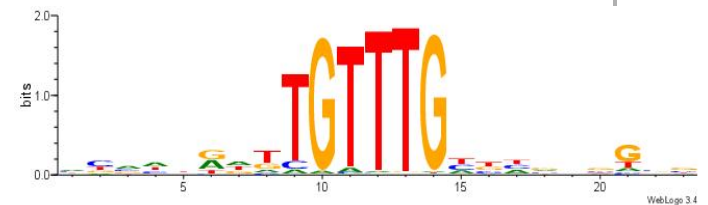
Motif ID: [UP00523](#)
 Motif name: FOXR1_primary
 Species: Homo sapiens
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6
 Number of overlap: 14
 Similarity score: 0.0459944

Alignment:
 DVVDBKHHTTGTGGDBDBHVGVV
 -----NSNTTTATGGCNNN-----

Original motif
 Consensus sequence: VVCVHBDVDCAAACAAHYVDBVD



Reverse complement motif
 Consensus sequence: DVVDBKHHTTGTGGDBDBHVGVV



Motif ID: [UP00616](#)

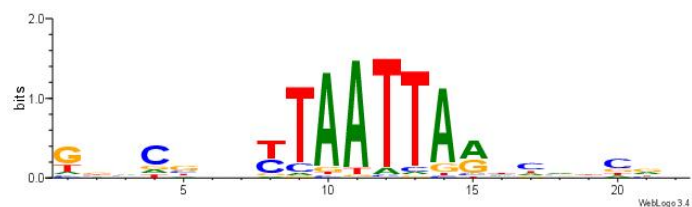
Motif name: POU3F4
 Species: Homo sapiens
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 14
 Similarity score: 0.0475739

Alignment:

BHGDBDHKTAATTAMBBBGHBC
 ----NSNTTTATGGCNNN----

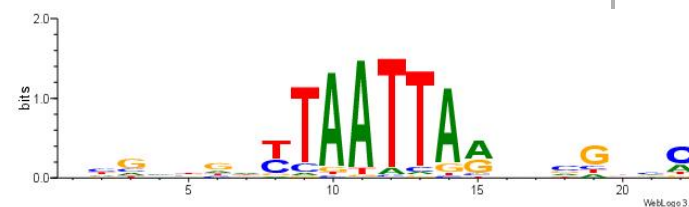
Original motif

Consensus sequence: GBHCBBBYTAATTARHHVDCDB



Reverse complement motif

Consensus sequence: BHGDBDHKTAATTAMBBBGHBC



Motif ID: [UP00596](#)
 Motif name: HOXC4_R158L_R2
 Species: Homo sapiens
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 14

Similarity score:

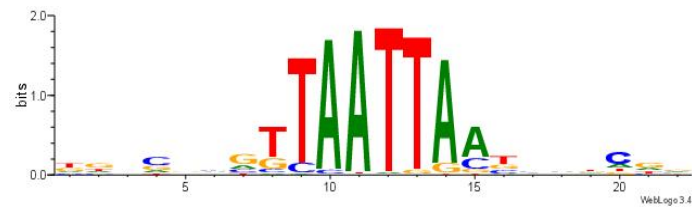
0.0493444

Alignment:

```
DDVVVVGTTAATTAABHVDCDV  
----NSNTTTATGGCNNN----
```

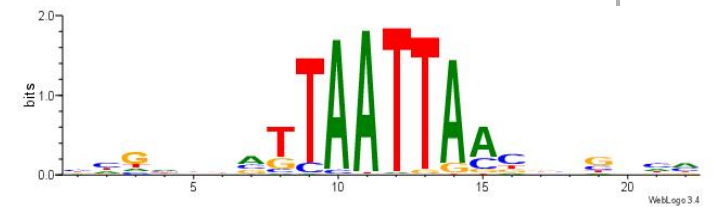
Original motif

Consensus sequence: DDVVVVGTTAATTAABHVDCDV



Reverse complement motif

Consensus sequence: VHGDBDVTTAATTAACVVVHVD



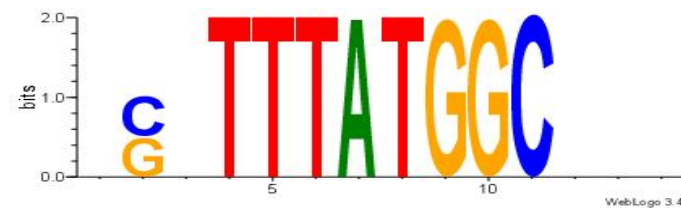
Dataset #: 2

Motif ID: 3

Motif name: Abdominal-B_1

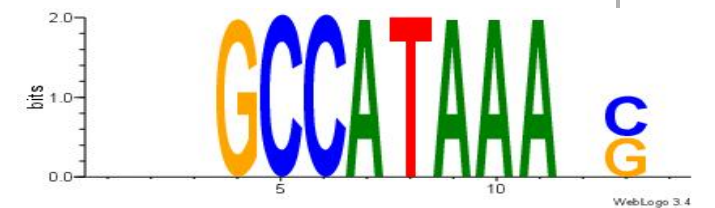
Original motif

Consensus sequence: NSNTTTATGGCNNN



Reverse complement motif

Consensus sequence: NNNGCCATAAANSN



Best Matches for Motif ID 3 (Highest to Lowest)

Motif ID:

[UP00597](#)

Motif name:

HOXD13_S316C_R2

Species:

Homo sapiens

Matching format of first motif:

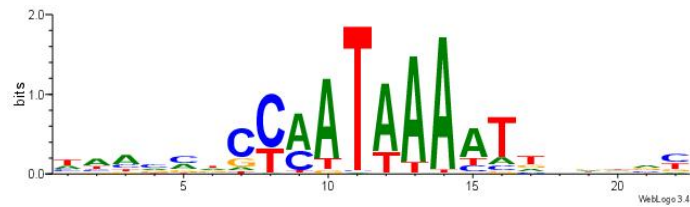
Reverse Complement

Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0318246

Alignment:
 HHAVVDCCMATAAAATDBDDVY
 ---NNNGCCATAAANSN-----

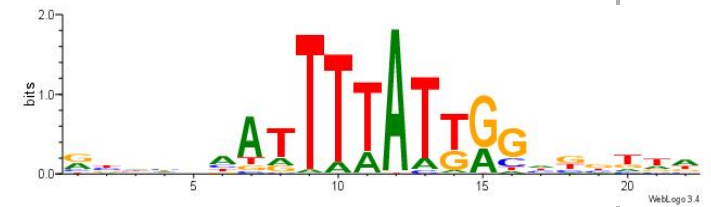
Original motif

Consensus sequence: HHAVVDCCMATAAAATDBDDVY



Reverse complement motif

Consensus sequence: KBDHVDATTTTATYGGDVVTHH



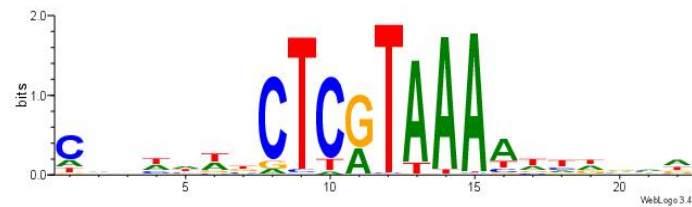
Motif ID: [UP00597](#)
 Motif name: HOXD13_S316C_R1
 Species: Homo sapiens
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 14
 Similarity score: 0.0401476

Alignment:

CDDHHWBCTCGTAAAADHDVHD
-----NNGCCATAAANSN-----

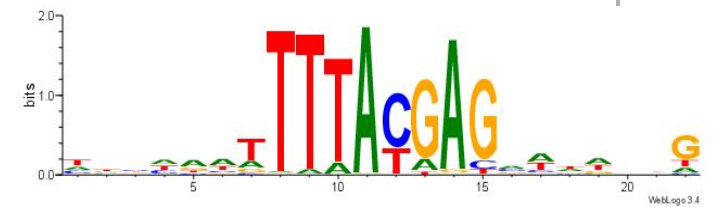
Original motif

Consensus sequence: CDDHHWBCTCGTAAAADHDVHD



Reverse complement motif

Consensus sequence: DHVDHDTTTTACGAGVWHHDDG



Motif ID: [UP00523](#)
Motif name: FOXR1_primary
Species: Homo sapiens
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Forward
Position number: 6
Number of overlap: 14
Similarity score: 0.0459944

Alignment:

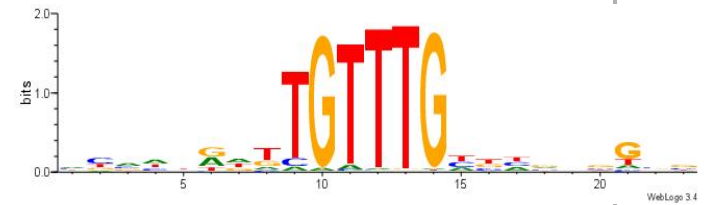
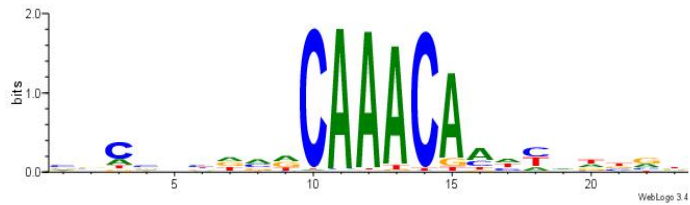
DVVD BKHTTGT TTTGDBDBHVG VV
-----NSNTTTATGGC NNN-----

Original motif

Consensus sequence: VVCVHBDVDCAAACAAHYVDBVD

Reverse complement motif

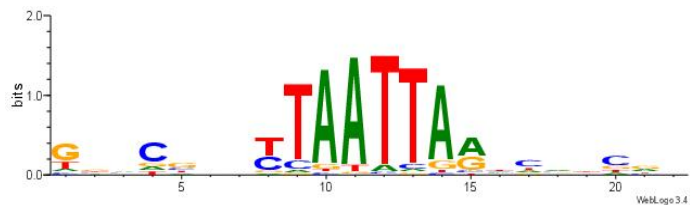
Consensus sequence: DVVD BKHTTGT TTTGDBDBHVG VV



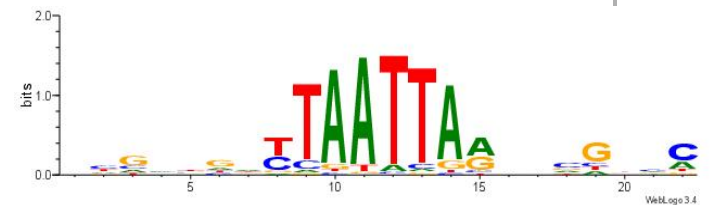
Motif ID: [UP00616](#)
 Motif name: POU3F4
 Species: Homo sapiens
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Backward
 Position number: 5
 Number of overlap: 14
 Similarity score: 0.0475739

Alignment:
 BHGDBDHKTAATTAMBBBGHBC
 ----NSNTTTATGGCNNN----

Original motif
 Consensus sequence: GBHCBBBYTAATTARHHVDCDB



Reverse complement motif
 Consensus sequence: BHGDBDHKTAATTAMBBBGHBC



Motif ID: [UP00596](#)

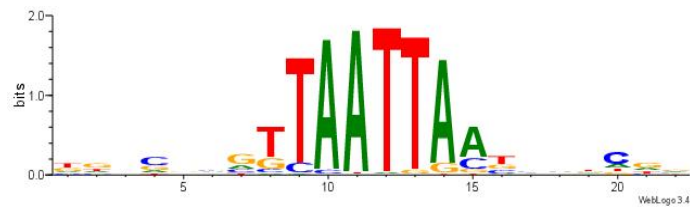
Motif name: HOXC4_R158L_R2
 Species: Homo sapiens
 Matching format of first motif: Original Motif
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 14
 Similarity score: 0.0493444

Alignment:

DDVVVVGTTAATTAABHVDCDV
 ----NSNTTTATGGCNNN----

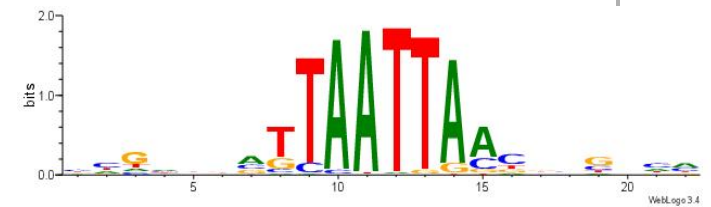
Original motif

Consensus sequence: DDVVVVGTTAATTAABHVDCDV



Reverse complement motif

Consensus sequence: VHGDBDVTTAATTAACVWVHHD



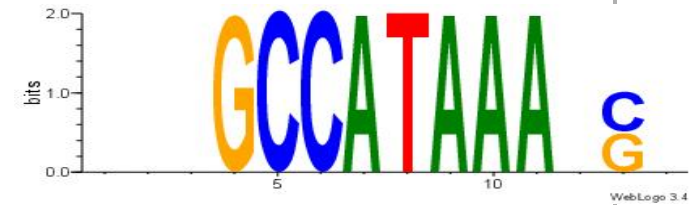
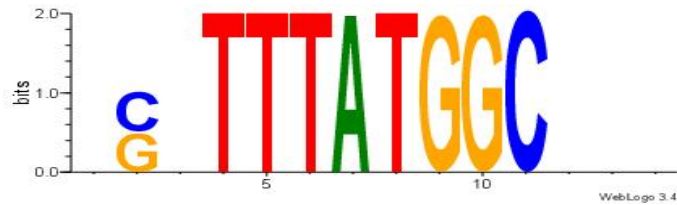
Dataset #: 2 Motif ID: 4 Motif name: Abdominal-B_2

Original motif

Consensus sequence: NSNTTTATGGCNNN

Reverse complement motif

Consensus sequence: NNNGCCATAAANSN



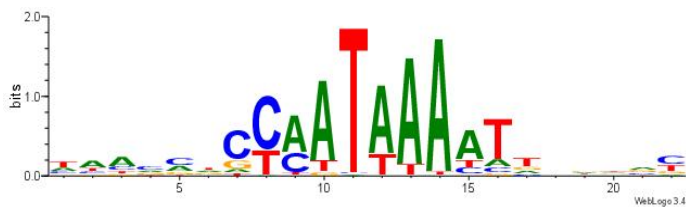
Best Matches for Motif ID 4 (Highest to Lowest)

Motif ID: [UP00597](#)
 Motif name: HOXD13_S316C_R2
 Species: Homo sapiens
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Forward
 Position number: 4
 Number of overlap: 14
 Similarity score: 0.0318246

Alignment:
 HHAVVDCCMATAAAAATDBDDVY
 ---NNNGCCATAAANSN-----

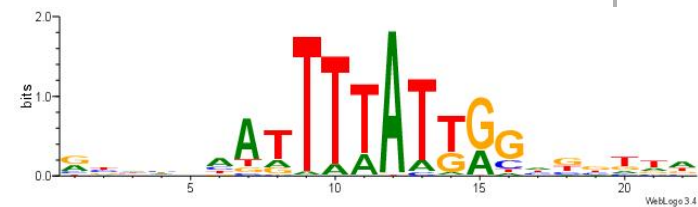
Original motif

Consensus sequence: HHAVVDCCMATAAAAATDBDDVY



Reverse complement motif

Consensus sequence: KBDHVDATTTTATYGGDVVTHH



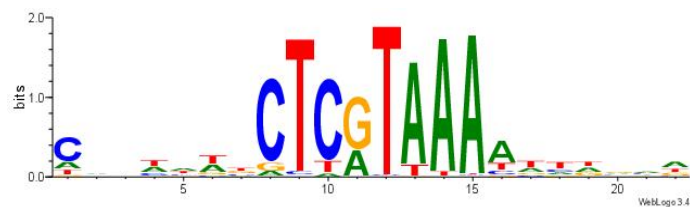
Motif ID: [UP00597](#)
 Motif name: HOXD13_S316C_R1
 Species: Homo sapiens
 Matching format of first motif: Reverse Complement
 Matching format of second motif: Original Motif
 Direction: Backward
 Position number: 5
 Number of overlap: 14
 Similarity score: 0.0401476

Alignment:

CDDHHWBCTCGTAAAADHDVHD
 ----NNGCCATAAANSN----

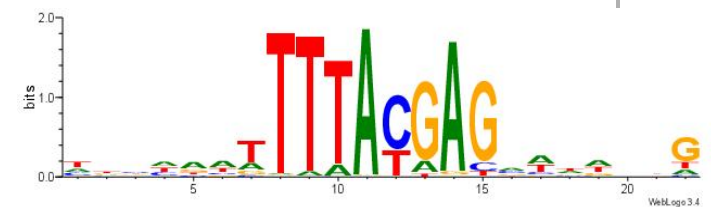
Original motif

Consensus sequence: CDDHHWBCTCGTAAAADHDVHD



Reverse complement motif

Consensus sequence: DHVDHDTTTTACGAGVWHHDDG



Motif ID: [UP00523](#)
 Motif name: FOXR1_primary
 Species: Homo sapiens
 Matching format of first motif: Original Motif
 Matching format of second motif: Reverse Complement
 Direction: Forward
 Position number: 6

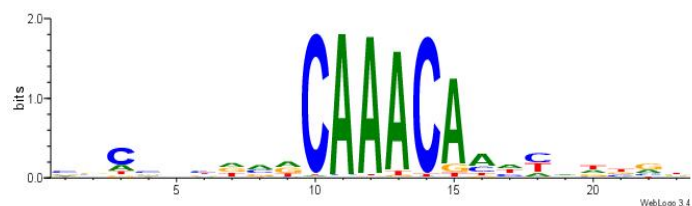
Number of overlap: 14
Similarity score: 0.0459944

Alignment:

DVVD BKHTT GTTT GDBDBHVG VV
-----NSNTTTATGCCNNN-----

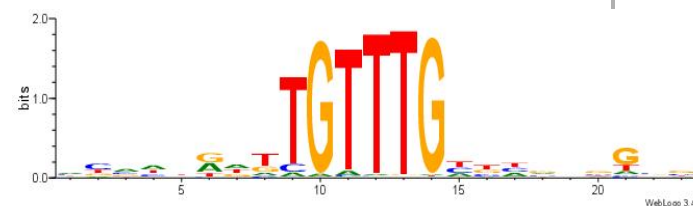
Original motif

Consensus sequence: VVCVHBDVDCAAACAAHYVDBVD



Reverse complement motif

Consensus sequence: DVVD BKHTT GTTT GDBDBHVG VV



Motif ID: [UP00616](#)
Motif name: POU3F4
Species: Homo sapiens
Matching format of first motif: Original Motif
Matching format of second motif: Reverse Complement
Direction: Backward
Position number: 5
Number of overlap: 14
Similarity score: 0.0475739

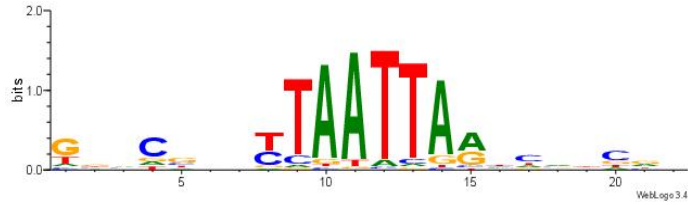
Alignment:

BHGDBDHKTAATTAMBBBGHBC
-----NSNTTTATGCCNNN-----

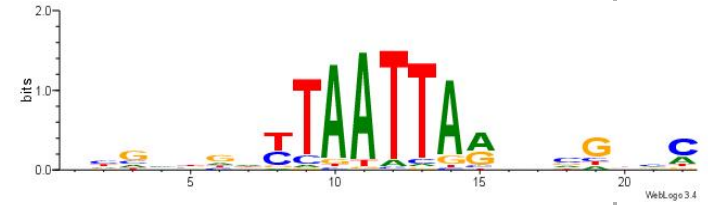
Original motif

Reverse complement motif

Consensus sequence: GBHCBBBYTAATTARHHVDCDB



Consensus sequence: BHGDBDHKTAATTAMBBBGHBC



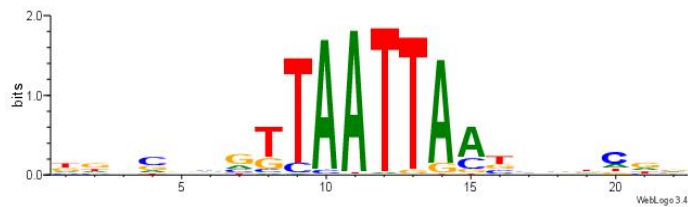
Motif ID: [UP00596](#)
Motif name: HOXC4_R158L_R2
Species: Homo sapiens
Matching format of first motif: Original Motif
Matching format of second motif: Original Motif
Direction: Backward
Position number: 5
Number of overlap: 14
Similarity score: 0.0493444

Alignment:

```
DDVVVVGTTAATTAABHVDCDV  
----NSNTTTATGGCNNN----
```

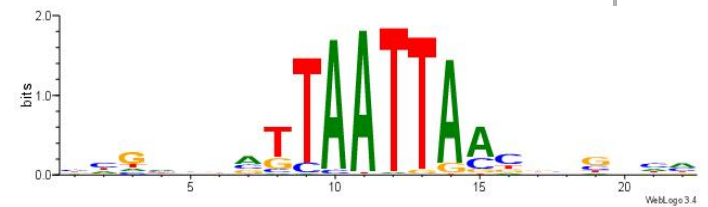
Original motif

Consensus sequence: DDVVVVGTTAATTAABHVDCDV



Reverse complement motif

Consensus sequence: VHGBBDVTTAATTAACVVVHHD



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 [weblago](#)