



MOTIFSIM - MOTIF SIMilarity Detection Tool

Version 2.2

INPUT

Input Parameters

Number of files:	2
Number of top significant motifs:	1
Number of best matches:	1
Similarity cutoff \geq	0.75
Matching motif database:	Jaspar Core
Motif tree:	Yes
Combined similar motifs:	Yes
Output file type:	All
Output file format:	All

Input files and motif counts

File name	Count of motifs	Dataset number
U20231121_R_11-21-23_1450_InsertFile1.txt	57	1
U20231121_R_11-21-23_1450_InsertFile2.txt	57	2

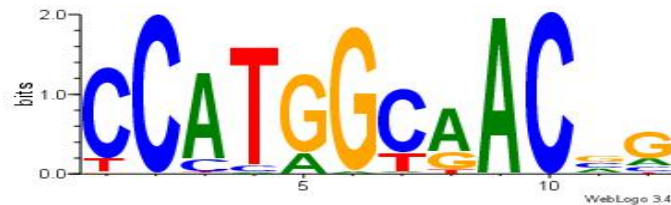
RESULTS

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

Dataset #: 2 **Motif ID: 72** **Motif name: Motif 72**

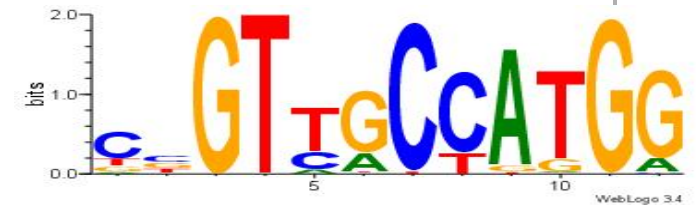
Original motif

Consensus sequence: CCATGGCAACVG



Reverse complement motif

Consensus sequence: CVGTTGCCATGG



Best Matches for Motif ID 72 (Highest to Lowest)

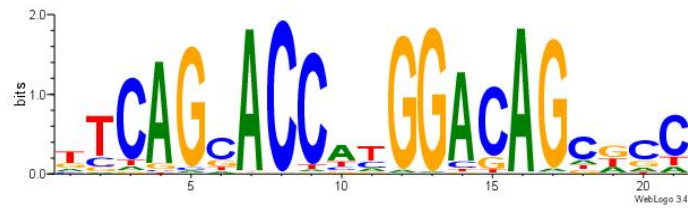
Motif ID:	MA0138.2
Motif name:	REST
Taxon:	Vertebrates
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	3
Number of overlap:	12
Similarity score:	0.0637808

Alignment:

```
GGYGCTGTCCATGGTGCTGAA  
--CVGTTGCCATGG-----
```

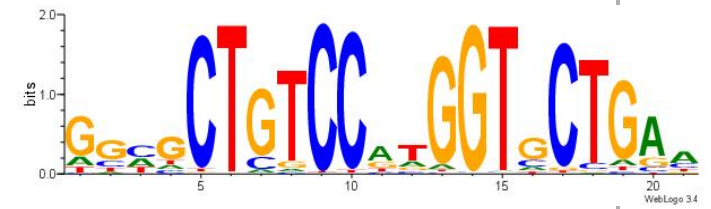
Original motif

Consensus sequence: TTCAGCACCATGGACAGCKCC



Reverse complement motif

Consensus sequence: GGYGCTGTCCATGGTGCTGAA



Results created by MOTIFSIM on 11-21-2023 16:21:43

Runtime: 3497.06 seconds

MOTIFSIM is written by Ngoc Tam L. Tran

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