

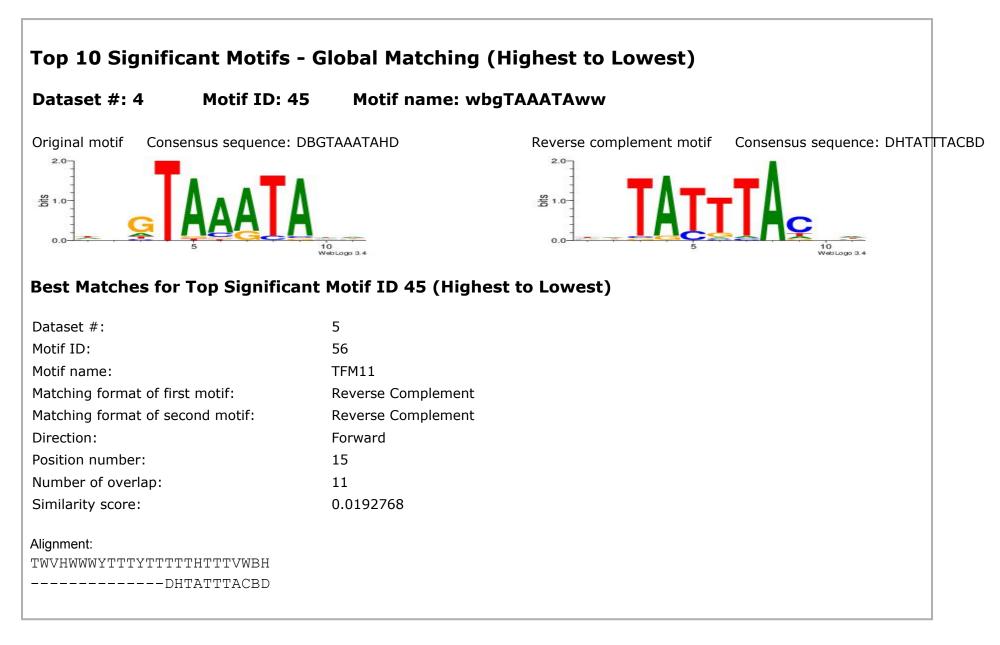
MOTIFSIM - MOTIF SIMilarity Detection Tool

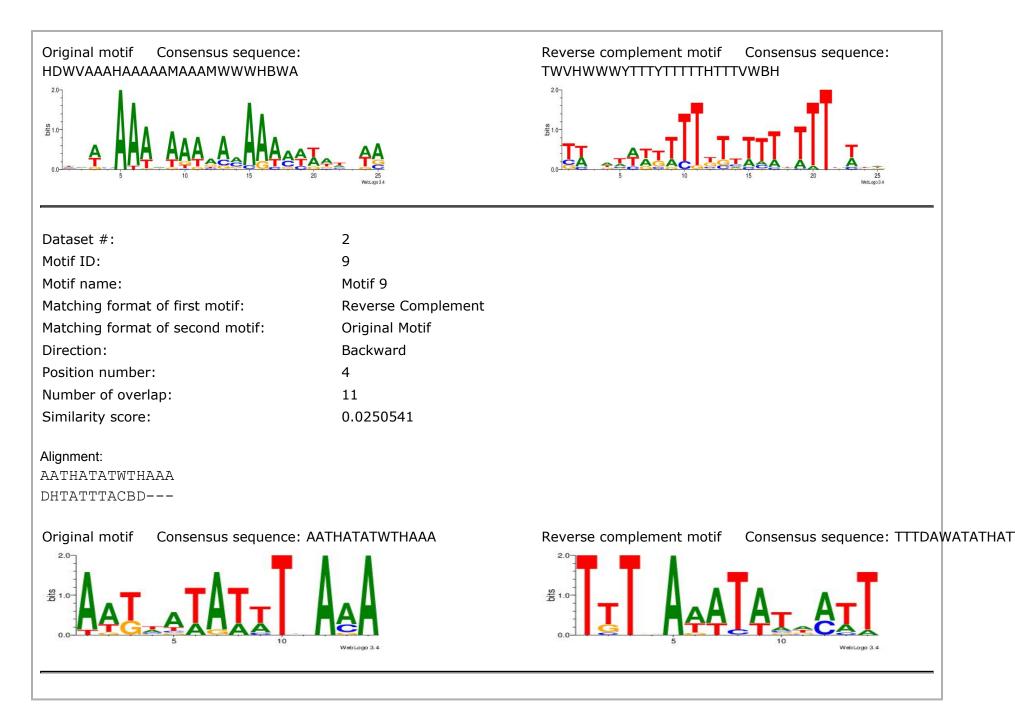
Version 2.2

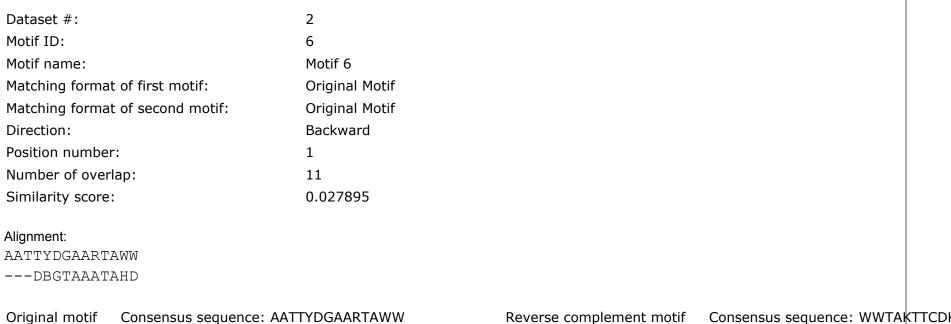
INPUT

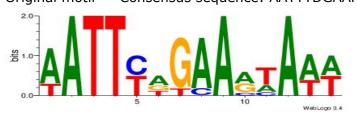
Input Parameters			
Number of files:	5		
Number of top significant motifs:	10		
Number of best matches:	10		
Similarity cutoff >=	0.75		
Matching motif database:	UniProbe Mus	s Musculus	
Motif tree:	Yes		
Combined similar motifs:	Yes		
Output file type:	All		
Output file format:	All		
Input files and motif counts			
File name		Count of motifs	Dataset number
DREME_DM230.txt		1	1
MEME_DM230.txt		20	2
PScanChIP_DM230.txt		14	3
RSAT_peak-motifs_DM230.txt		10	4
W-ChIPMotifs_DM230.txt		11	5

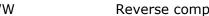
RESULTS

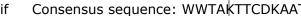


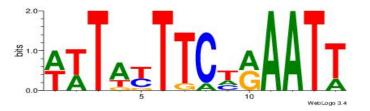




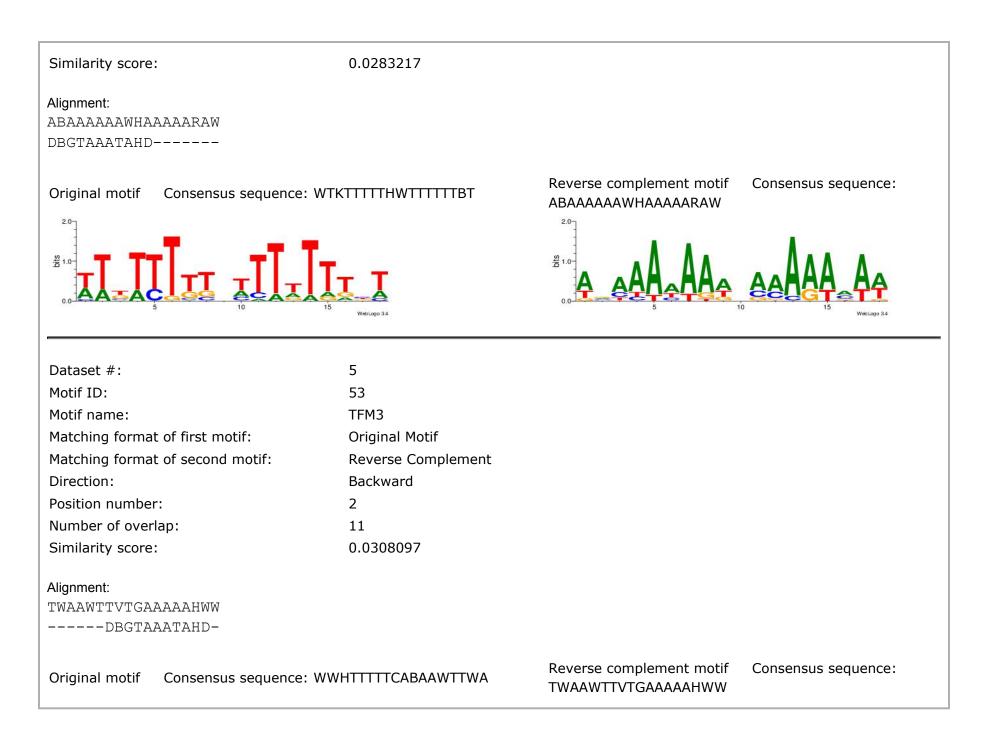


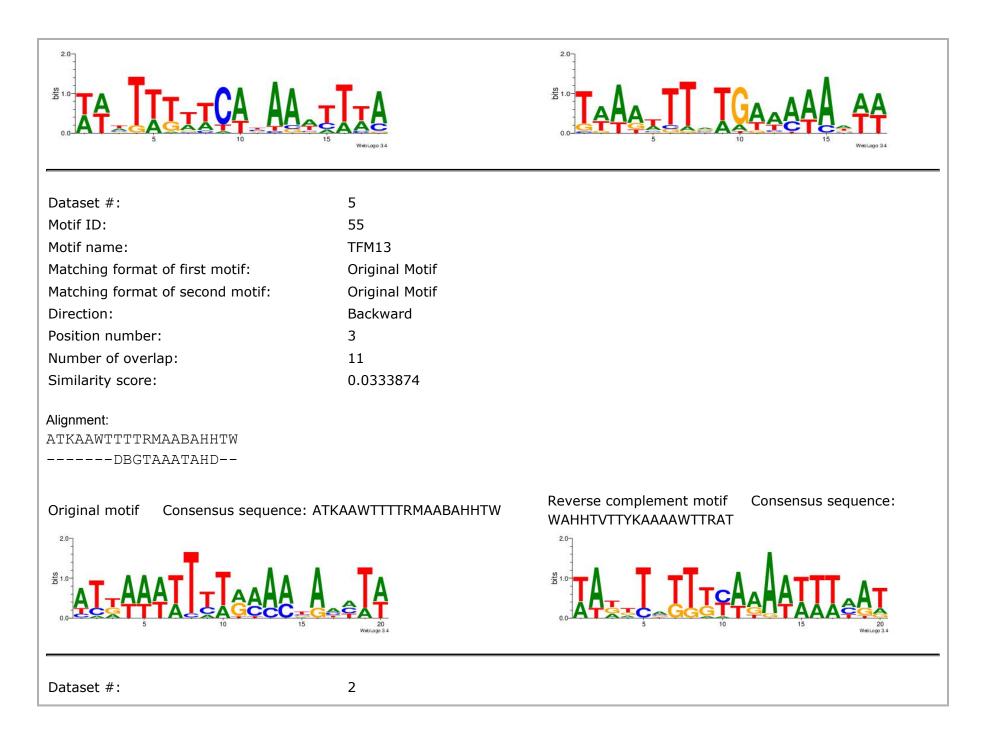


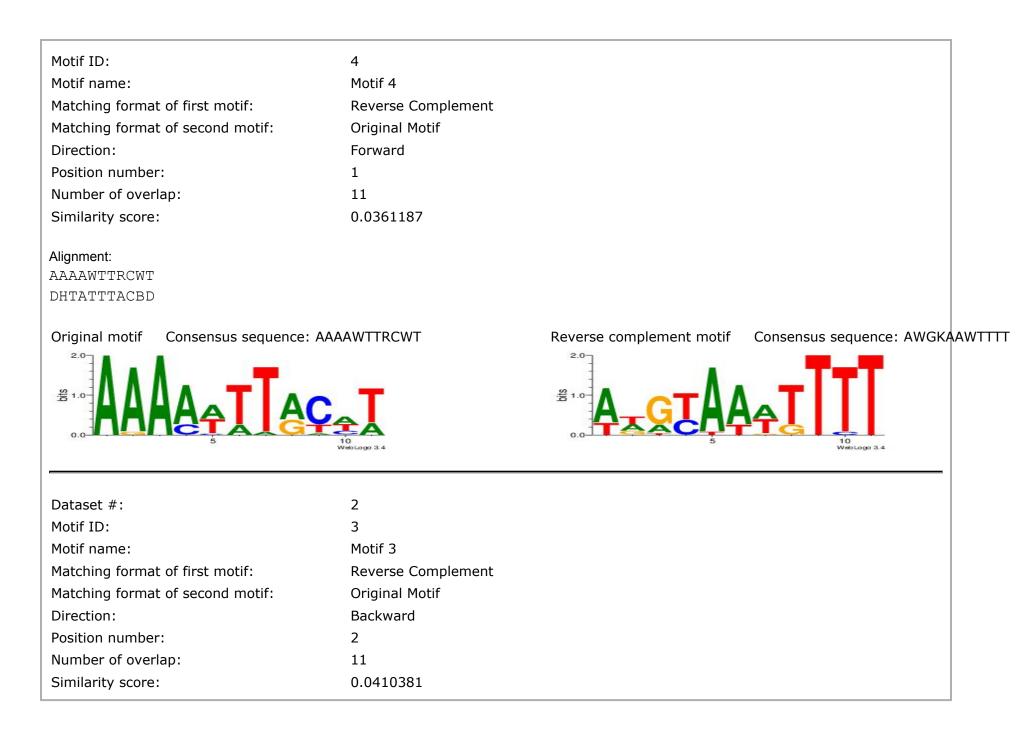


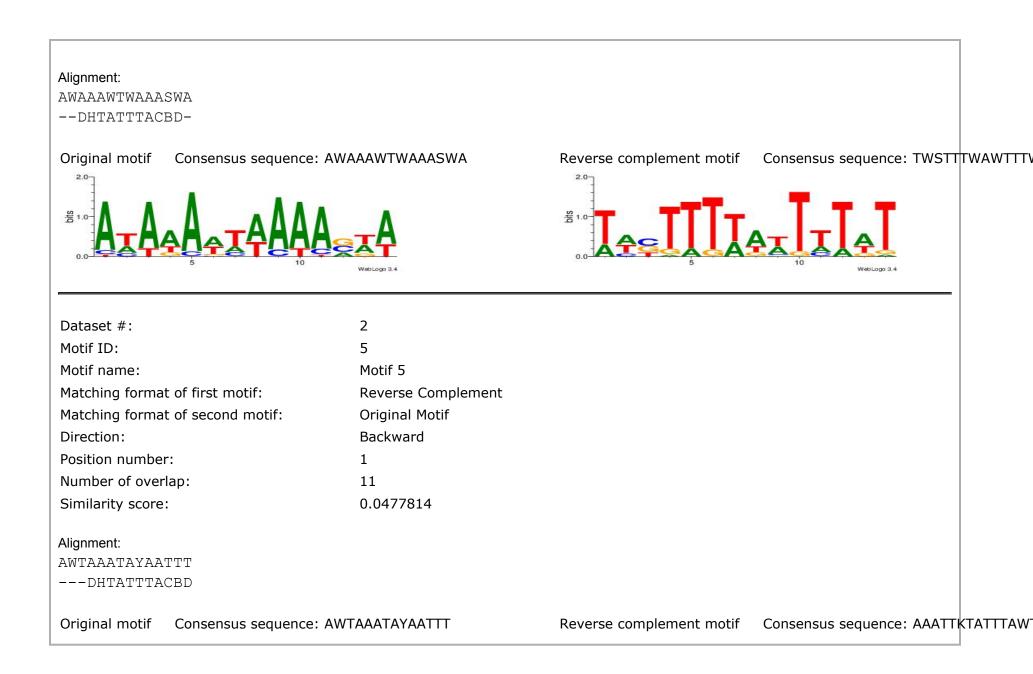


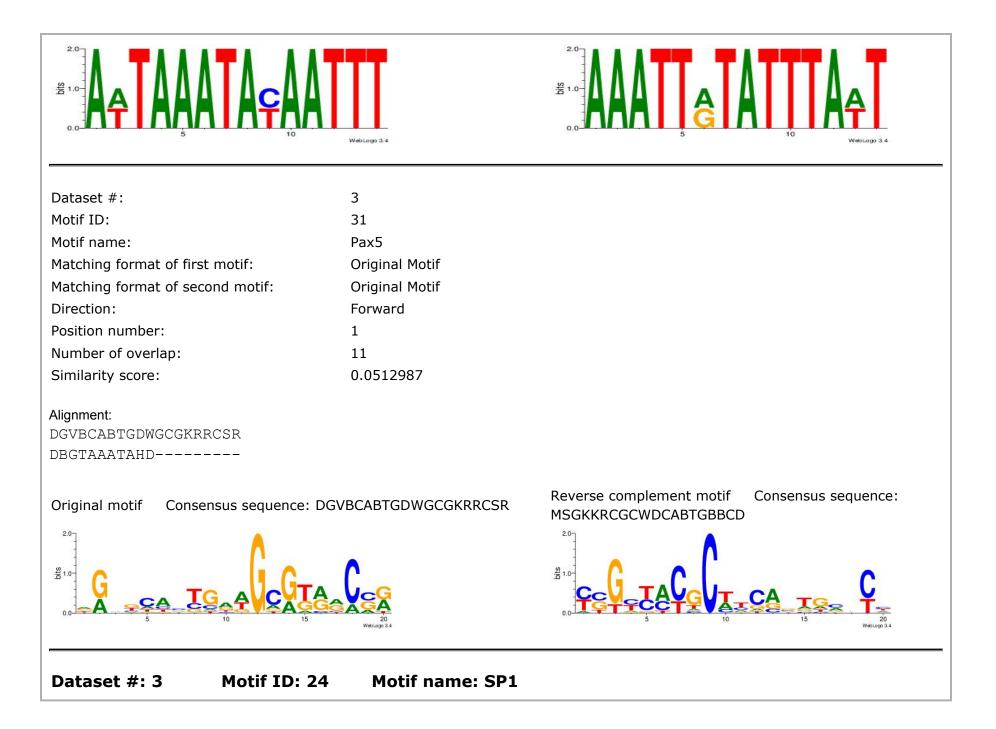
Dataset #:	5
Motif ID:	52
Motif name:	TFM1
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	1
Number of overlap:	11

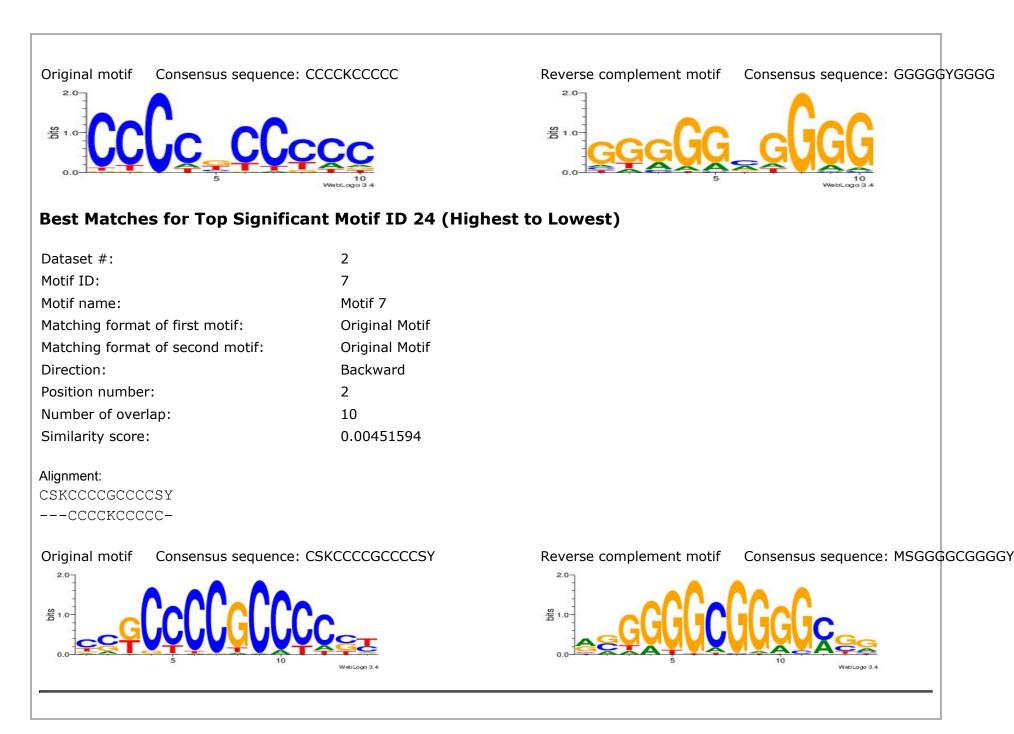


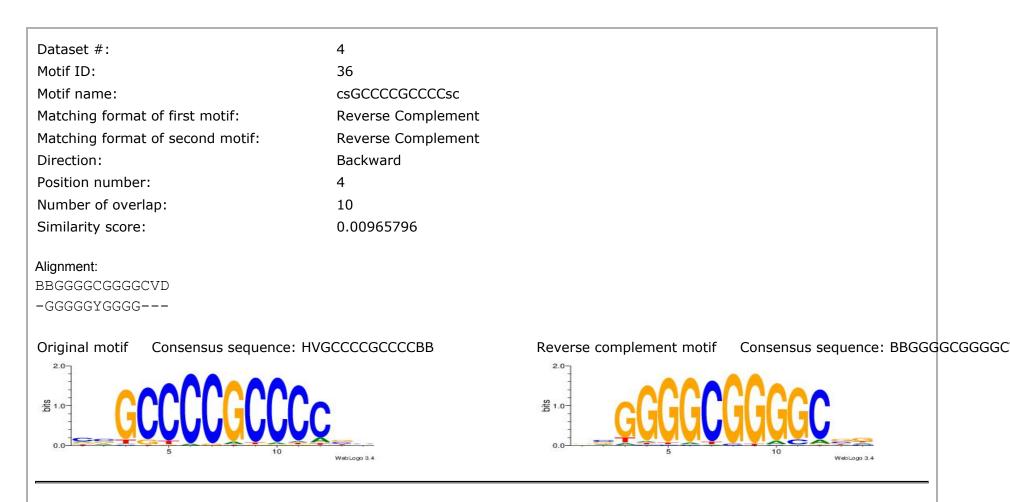




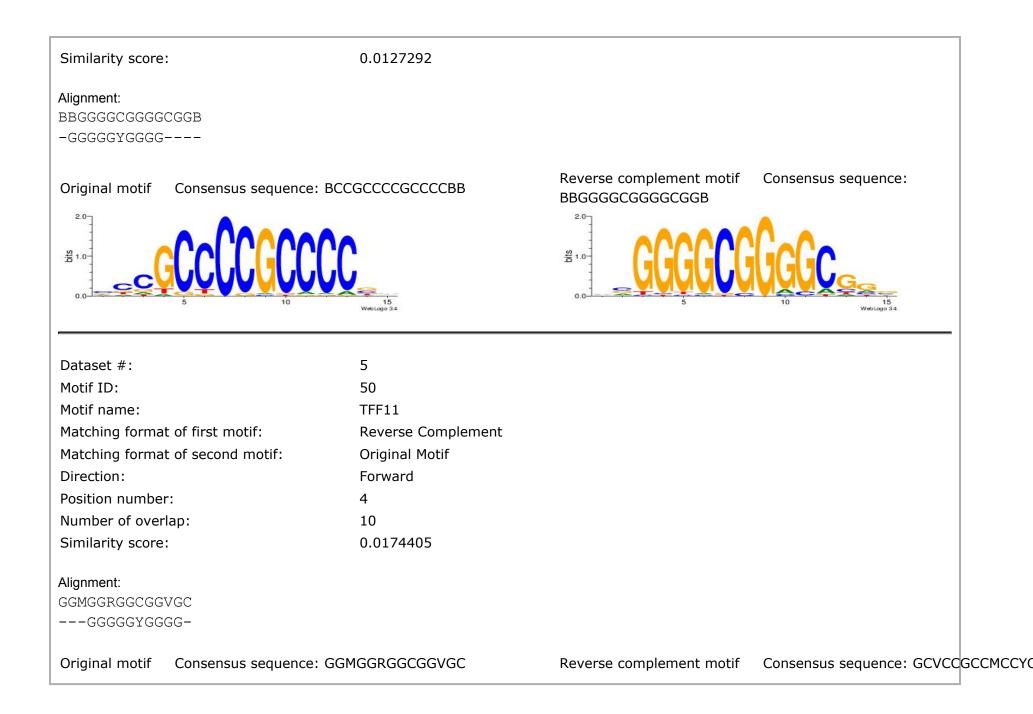


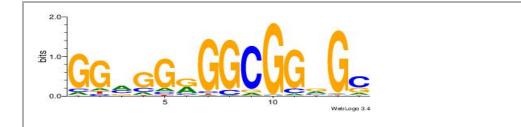






Dataset #:	4
Motif ID:	38
Motif name:	cccGCCCGCCCCsb
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	5
Number of overlap:	10
I	



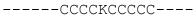


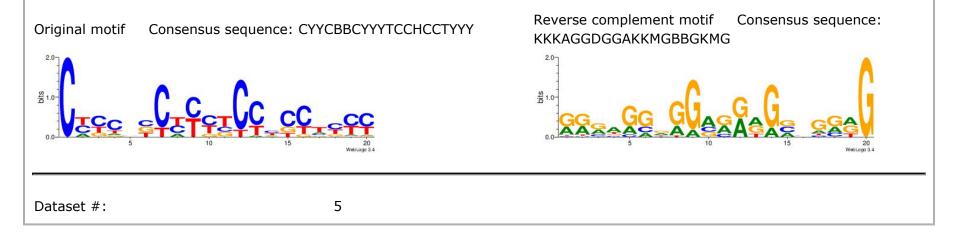


Dataset #:	5
Motif ID:	54
Motif name:	TFM12
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	7
Number of overlap:	10
Similarity score:	0.0301548

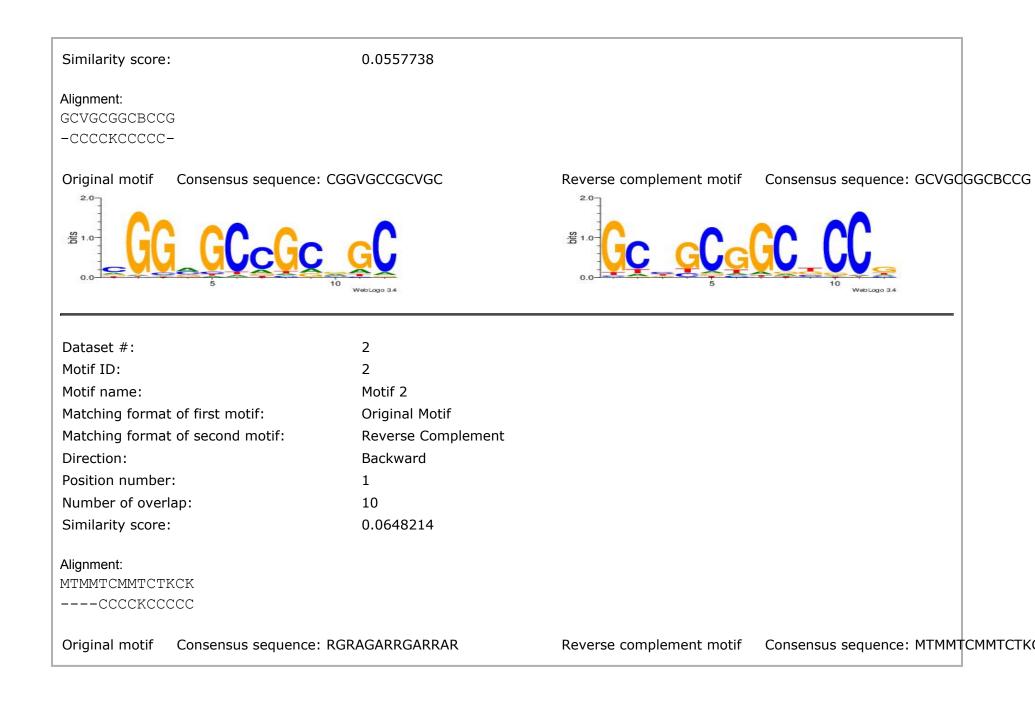
Alignment:

CYYCBBCYYYTCCHCCTYYY

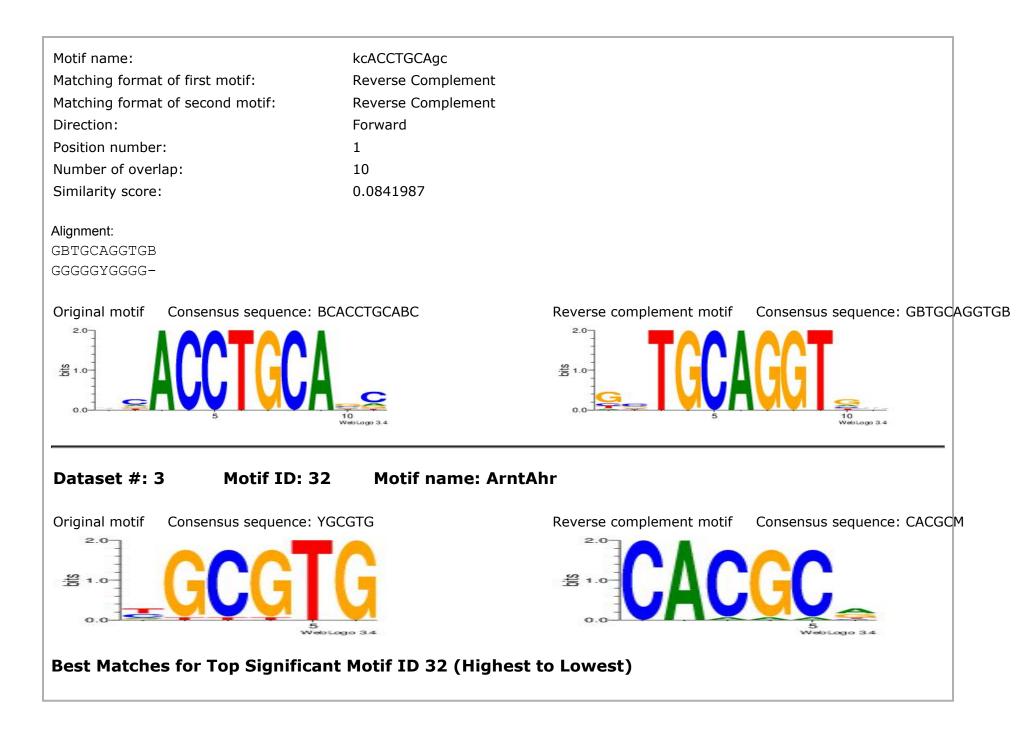


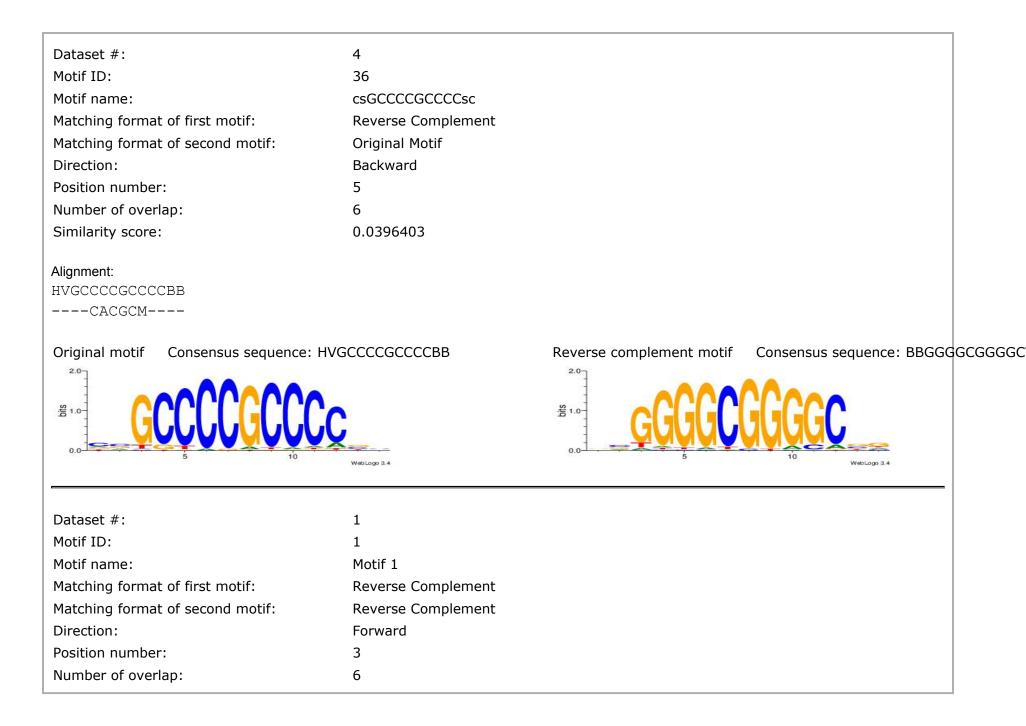


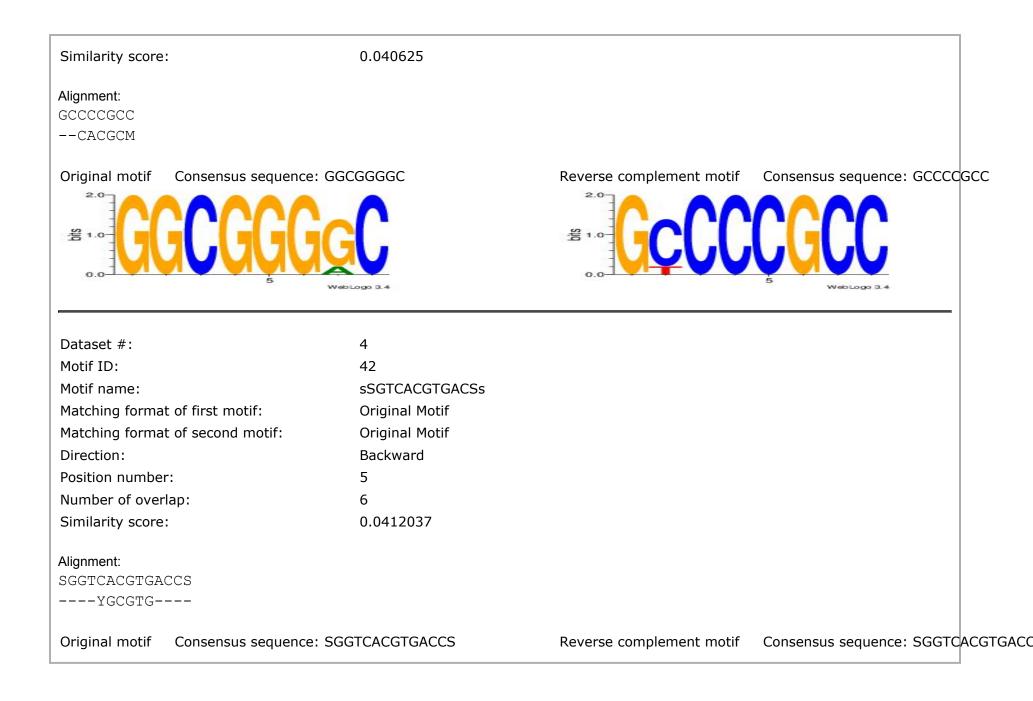
Motif ID:	51	
Motif name:	TFM2	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Original Motif	
Direction:	Backward	
Position number:	1	
Number of overlap:	10	
Similarity score:	0.0329167	
Alignment: RGRGGAGRRGGHGGDG GGGGGYGGGG		
2.0	RGRGGAGRRGGHGGDG	Reverse complement motif Consensus sequence: CHCCBCCKMCTCCKCM
SCACCACCACCACCACCACCACCACCACCACCACCACCAC	IS WebLago 3.4	
GGAUGAGGAUG	S	
Dataset #:		
Dataset #: Motif ID:	5	
Dataset #: Motif ID: Motif name:	5 49	
Dataset #: Motif ID: Motif name: Matching format of first motif:	5 49 TFF1	
Dataset #: Motif ID: Motif name: Matching format of first motif: Matching format of second motif:	5 49 TFF1 Original Motif	
Dataset #: Motif ID: Motif name: Matching format of first motif: Matching format of second motif: Direction: Position number:	5 49 TFF1 Original Motif Reverse Complement	

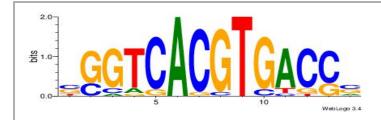


En lo	WebLogo 3.4	
Dataset #:	5	
Motif ID:	48	
Motif name:	TFW3	
Matching format of first motif:	Original Motif	
Matching format of second motif:	Original Motif	
Direction:	Backward	
Position number:	1	
Number of overlap:	10	
Similarity score:	0.0762976	
Alignment: CGGCYBCGCG CCCCKCCCCC		
Original motif Consensus sequence:	CGGCYBCGCG	Reverse complement motif Consensus sequence: CGCGBMGC
Dataset #:	4	
Motif ID:	40	



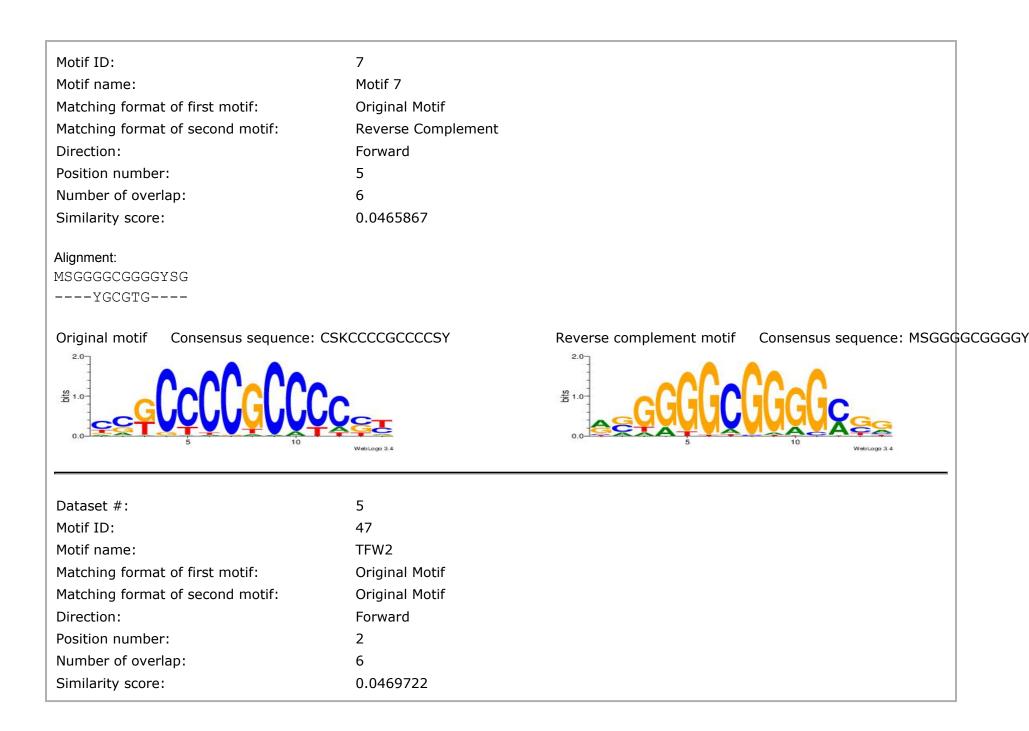


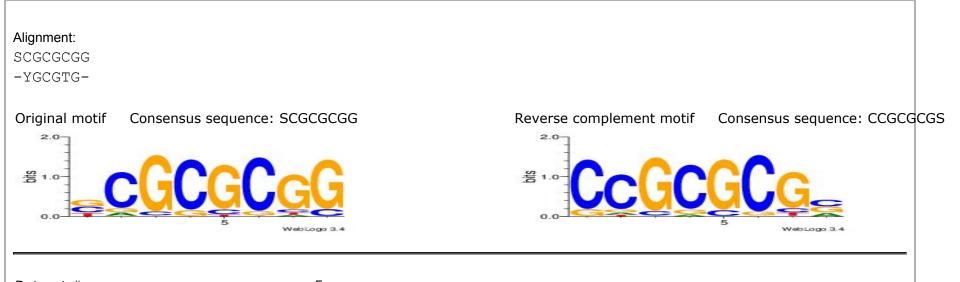




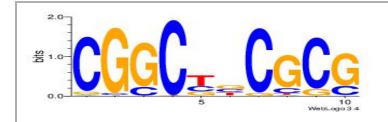


Dataset #:	4
Motif ID:	38
Motif name:	cccGCCCGCCCsb
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	5
Number of overlap:	6
Similarity score:	0.0425089
BCCGCCCGCCCCBB CACGCM Original motif Consensus sequence: BC	DDGGGGGGGGGGG
	20 GCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Dataset #:	2





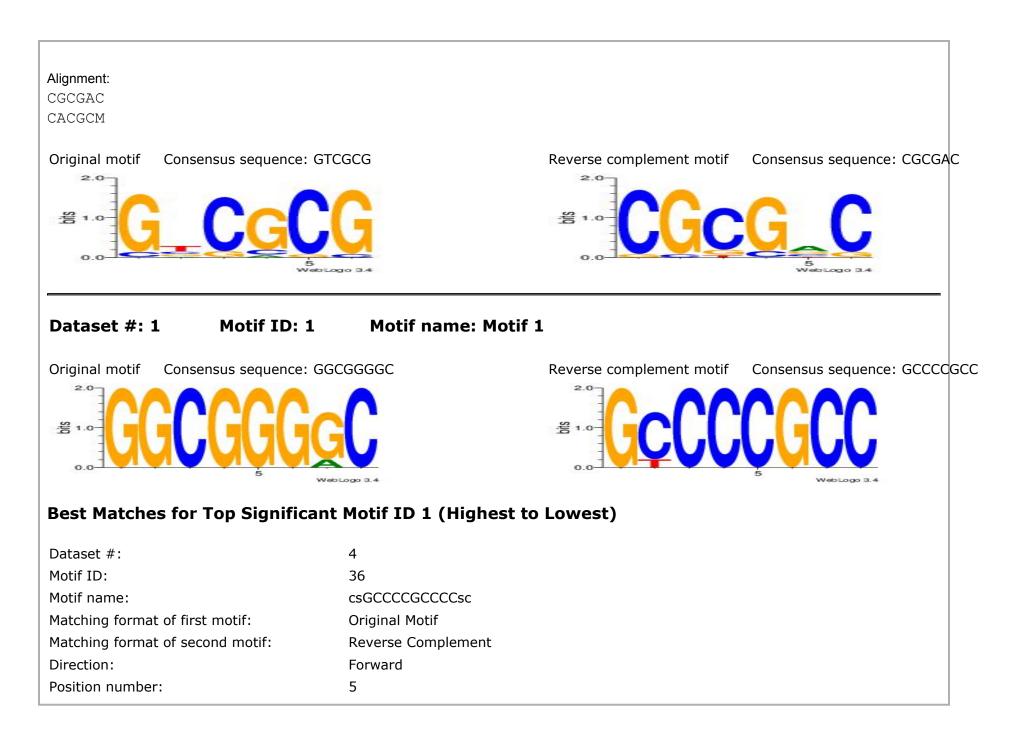
Conginal motil Consensus sequence. Co		Reverse complement moul	Consensus sequence. CGCGBM	JUU
Original motif Consensus sequence: CG		Reverse complement motif	Consensus sequence: CGCGBM	
CACGCM				
CGCGBMGCCG				
Alignment:				
	0.000000			
Similarity score:	0.0586806			
Number of overlap:	6			
Position number:	1			
Direction:	Forward			
Matching format of second motif:	Reverse Complement			
Matching format of first motif:	Reverse Complement			
Motif name:	TFW3			
Motif ID:	48			
Dataset #:	5			

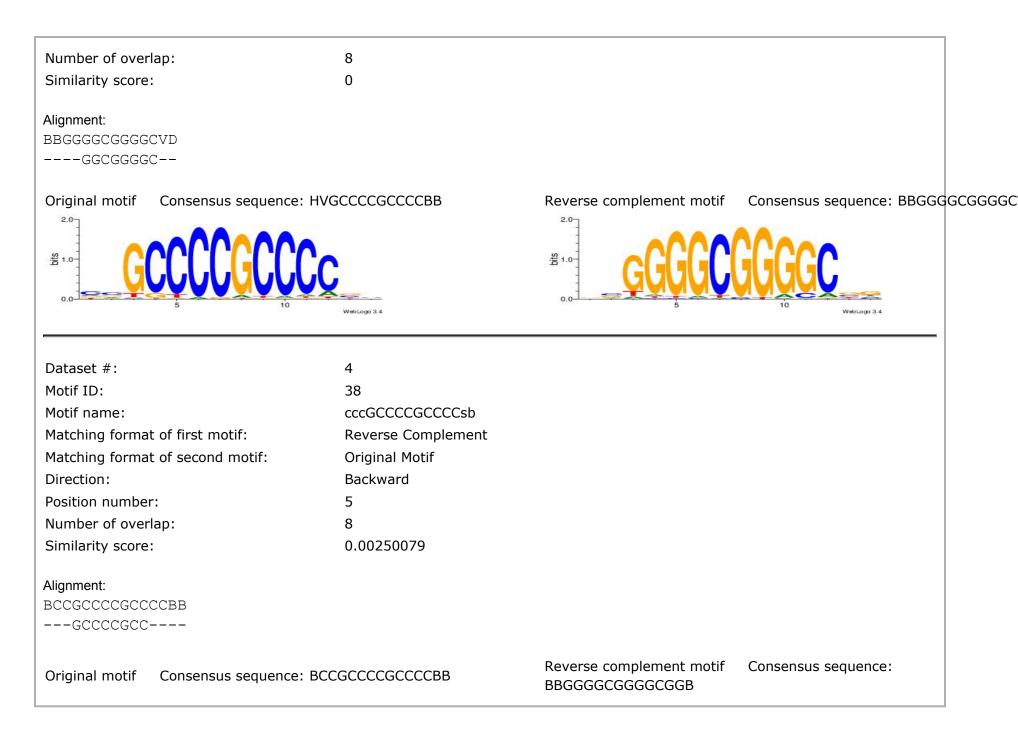


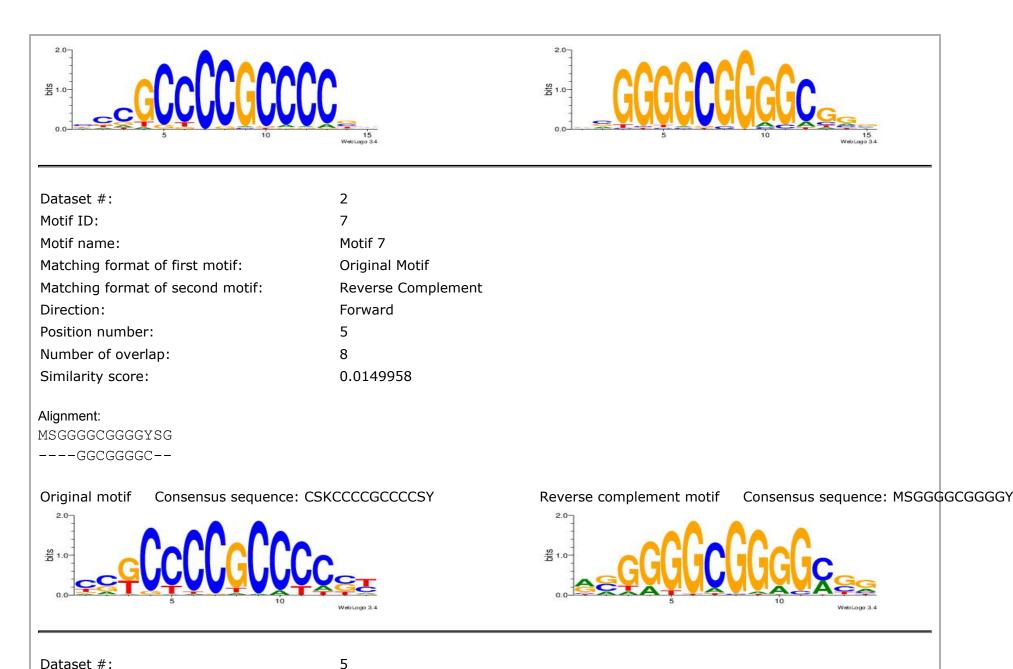


Dataset #:	4	
Motif ID:	40	
Motif name:	kcACCTGCAgc	
Matching format of first motif:	Original Motif	
Matching format of second motif:	Original Motif	
Direction:	Backward	
Position number:	5	
Number of overlap:	6	
Similarity score:	0.0637286	
Alignment: BCACCTGCABC -YGCGTG Original motif Consensus sequence: BC	Ç	Reverse complement motif Consensus sequence: GBTGCAGGTGB
Dataset #: Motif ID:	10 WebLogo 3.4 5 50	5 10 WebLogo 3.4

Motif name:	TFF11			
Matching format of first motif:	Reverse Complement			
Matching format of second motif:	Reverse Complement			
Direction:	Backward			
Position number:	7			
Number of overlap:	6			
Similarity score:	0.066121			
Alignment:				
GCVCCGCCMCCYCC				
CACGCM				
Original motif Consensus sequence:	GGMGGRGGCGGVGC	Reverse complement motif	Consensus sequence:	GCVCCGCCMCCY
End GG_GG_GGGGGG	GGe			
	WebLogo 3.4			
	vebLogo 3.4		Ccccccc 10 WebLogo 3.4	
Dataset #:			Ccccccc 10 WebLogo 3.4	
Dataset #: Motif ID:	5		to WebLogo 3.4	
Dataset #: Motif ID: Motif name:	5 46		to weblogo 3.4	
Dataset #: Motif ID: Motif name: Matching format of first motif:	5 46 TFW1		Cccccc 10 WebLogo 3.4	
Dataset #: Motif ID: Motif name: Matching format of first motif: Matching format of second motif:	5 46 TFW1 Reverse Complement		Ccccccc 10 WebLogo 3.4	
Dataset #: Motif ID: Motif name: Matching format of first motif: Matching format of second motif: Direction:	5 46 TFW1 Reverse Complement Reverse Complement		CCCCCCC 10 WebLogo 3.4	
EGG GG GGCG	5 46 TFW1 Reverse Complement Reverse Complement Backward		CCCCCCC 10 WebLogo 3.4	



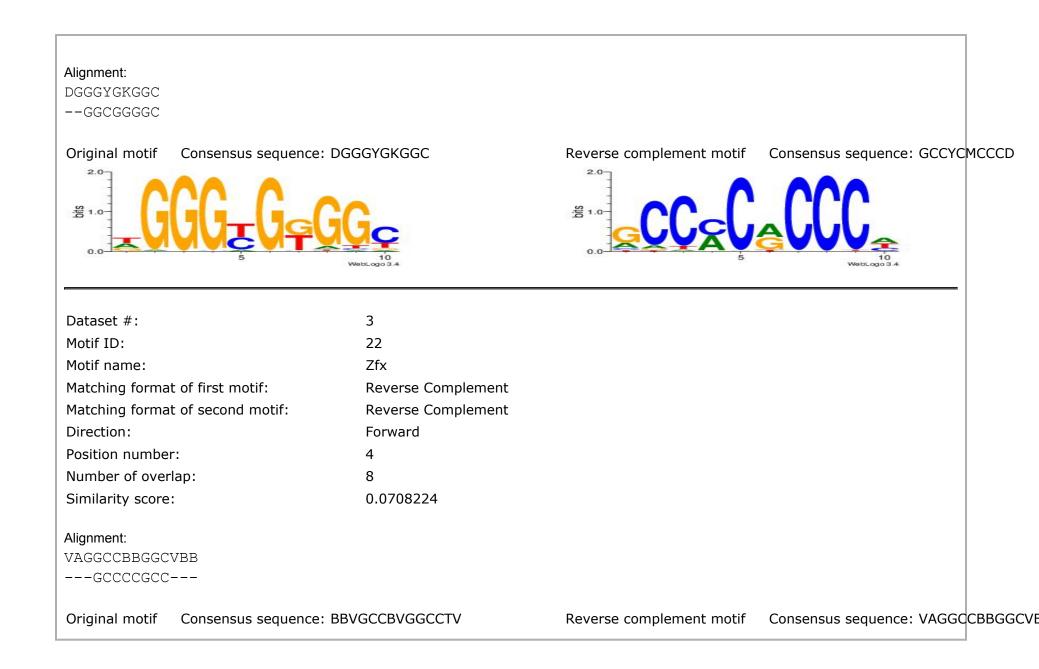


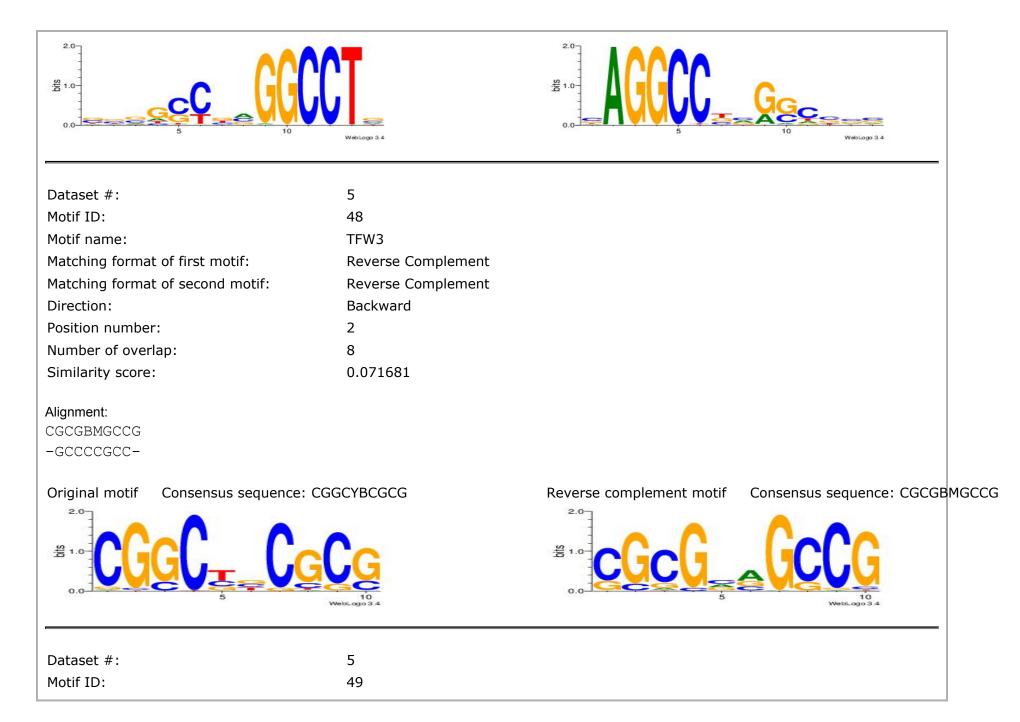


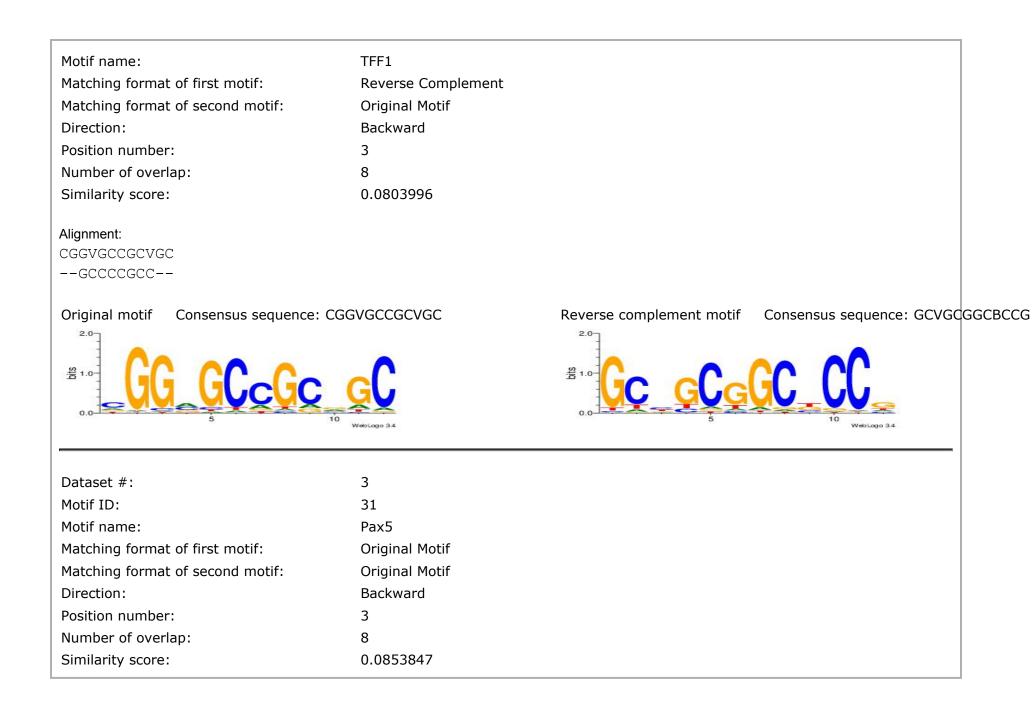
Motif ID:

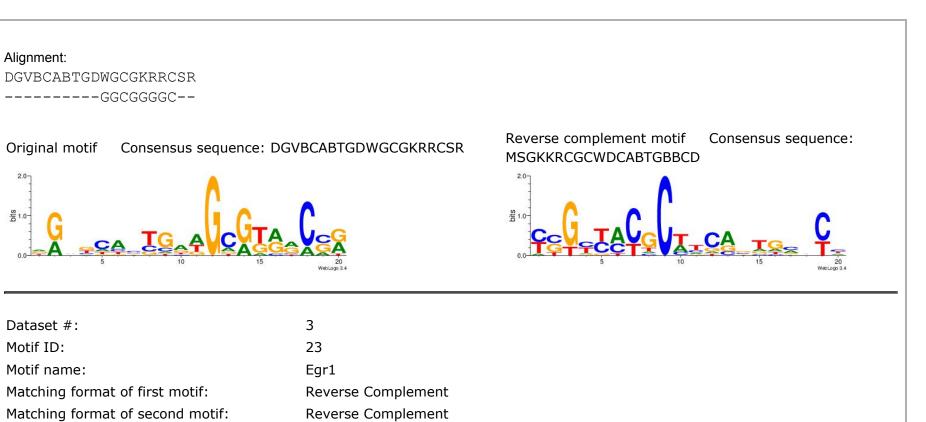
50

Motif name:	TFF11			
Matching format of first motif:	Original Motif			
Matching format of second motif:	Original Motif			
Direction:	Forward			
Position number:	7			
Number of overlap:	8			
Similarity score:	0.0348969			
Alignment:				
GGMGGRGGCGGVGC				
GGCGGGGC				
Original motif Consensus sequence: (GGMGGRGGCGGVGC	Reverse complement motif	Consensus sequence:	GCVCCGCCMC
E 1.0 GG GG GGCGG	WebLogo 3.4			
Dataset #:	3			
	3 27			
Motif ID:				
Dataset #: Motif ID: Motif name: Matching format of first motif:	27			
Motif ID: Motif name:	27 Klf4			
Motif ID: Motif name: Matching format of first motif:	27 Klf4 Original Motif			
Motif ID: Motif name: Matching format of first motif: Matching format of second motif:	27 Klf4 Original Motif Original Motif			
Motif ID: Motif name: Matching format of first motif: Matching format of second motif: Direction:	27 Klf4 Original Motif Original Motif Forward			









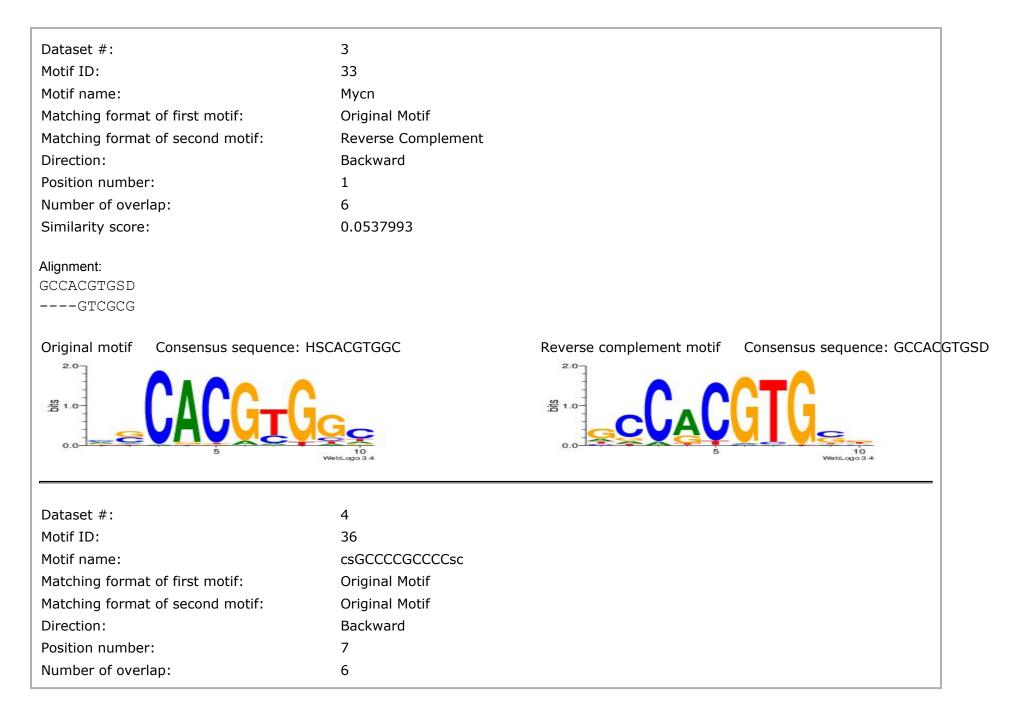
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Reverse Complement	
Direction:	Backward	
Position number:	1	
Number of overlap:	8	
Similarity score:	0.0878731	
Alignment: YCGCCCACGCH GCCCCGCC		
Original motif Consensus sequence:	HGCGTGGGCGK Reverse complement motif Consensus sequence: YCGCCCACGCH	

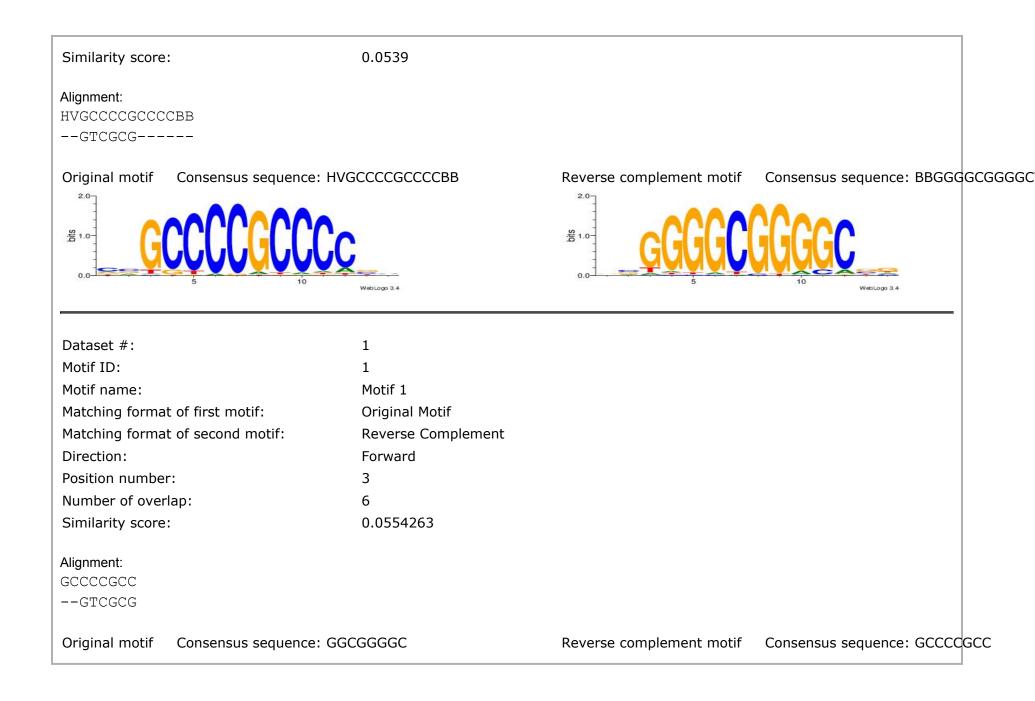




Dataset #:	5		
Motif ID:	51		
Motif name:	TFM2		
Matching format of first motif:	Reverse Complement		
Matching format of second motif:	Reverse Complement		
Direction:	Forward		
Position number:	3		
Number of overlap:	8		
Similarity score:	0.0928252		
GCCCCGCC Original motif Consensus sequence: RGRGGAGRRGGHGGDG		Reverse complement motif CHCCBCCKMCTCCKCM	Consensus sequence:
20 3 1.0 COMPACT OF TO	IS WebLogo 3.4		io 15 WebLogo 3.4
Dataset #: 5 Motif ID: 46 Motif name: TFW1			



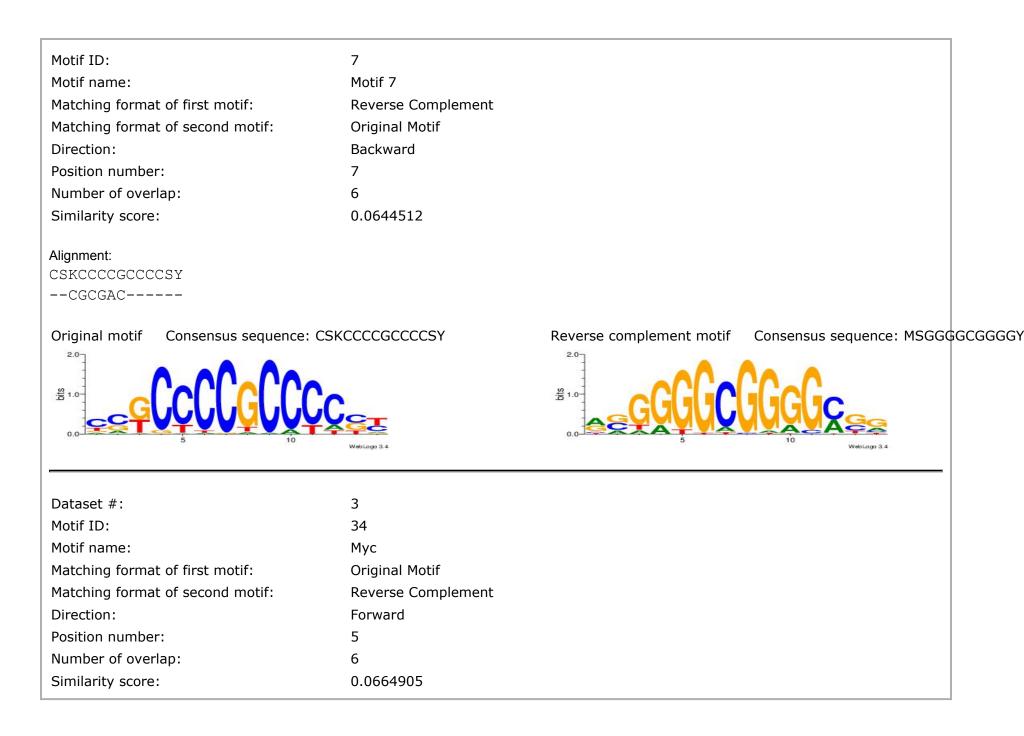


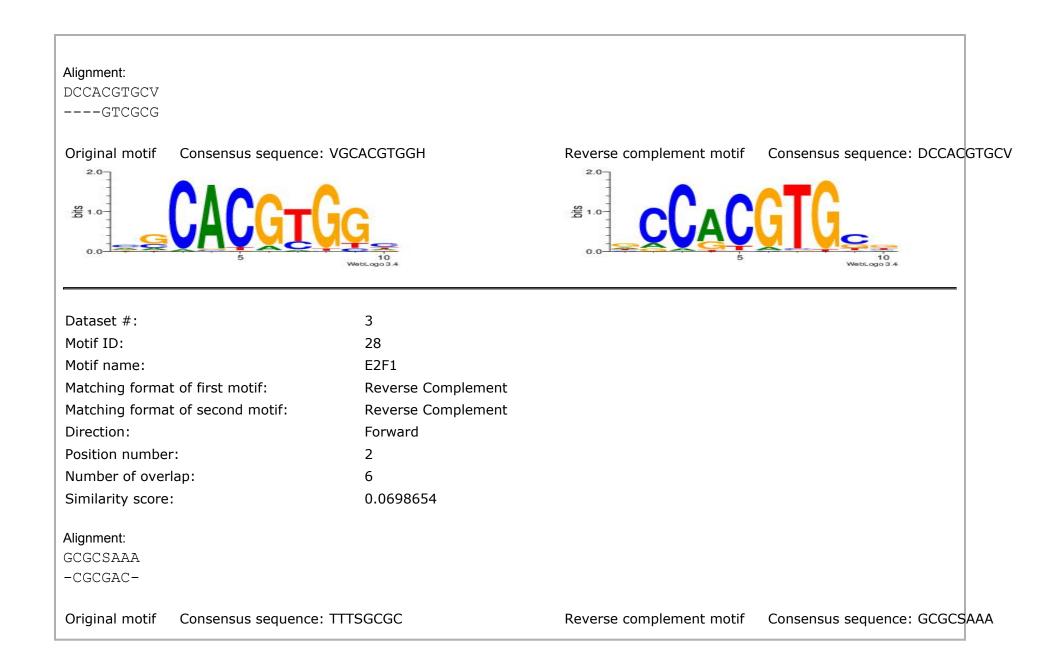


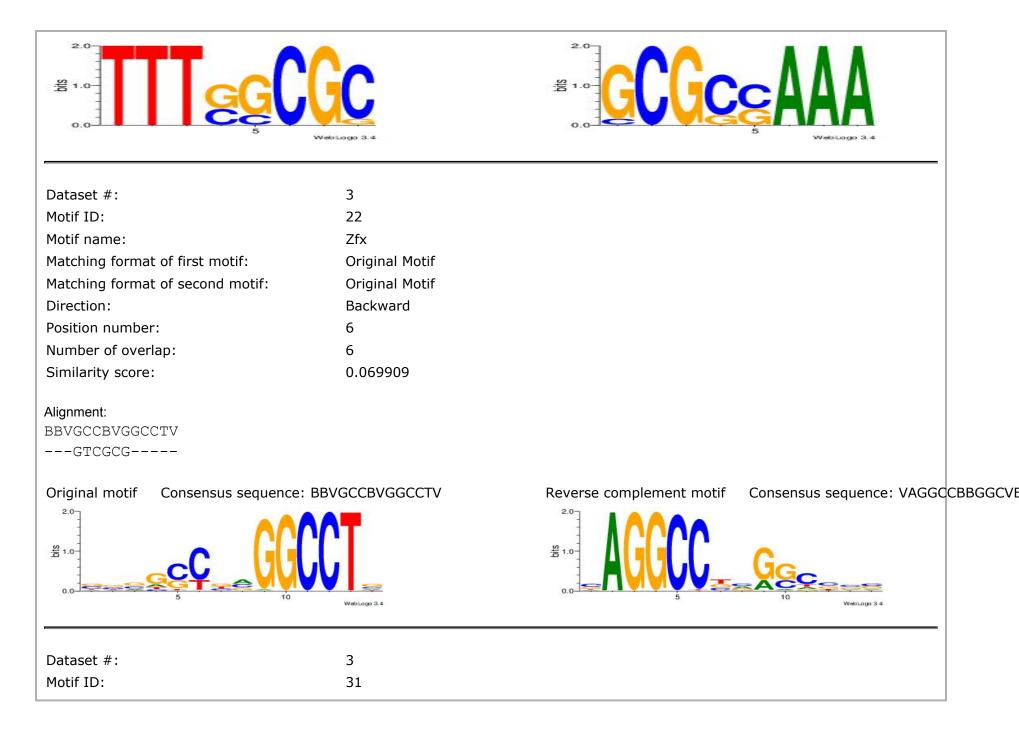


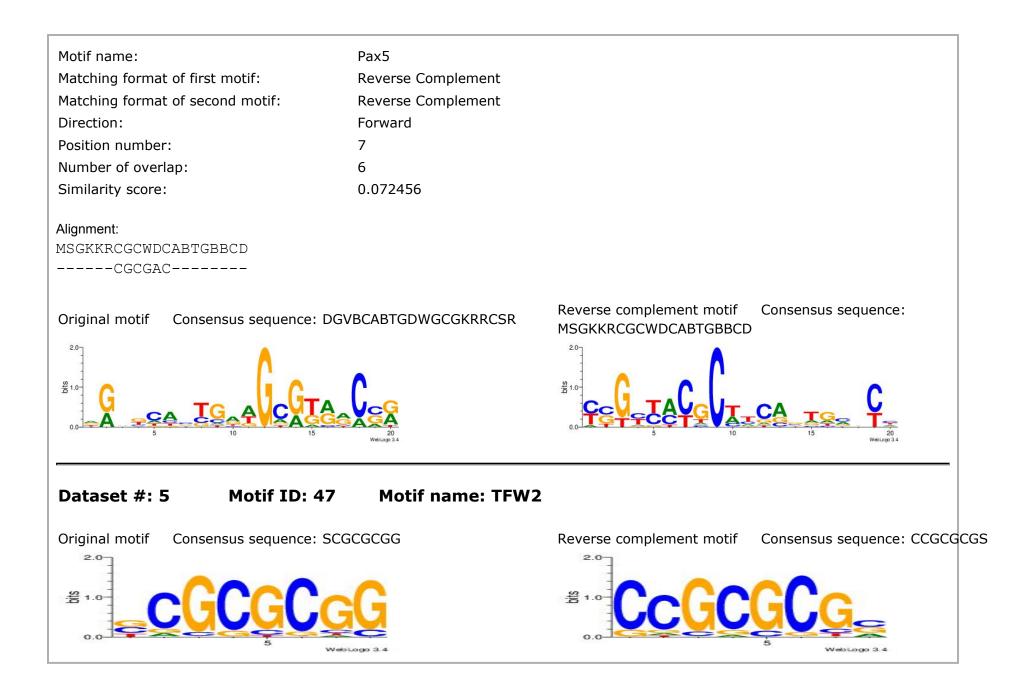


Dataset #:	4
Motif ID:	38
Motif name:	cccGCCCGCCCsb
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	8
Number of overlap:	6
Similarity score:	0.0558733
BBGGGGCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	CGCCCCGCCCBB Reverse complement motif Consensus sequence: BBGGGGCGGGGGGGGB
	bbGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
Dataset #:	2

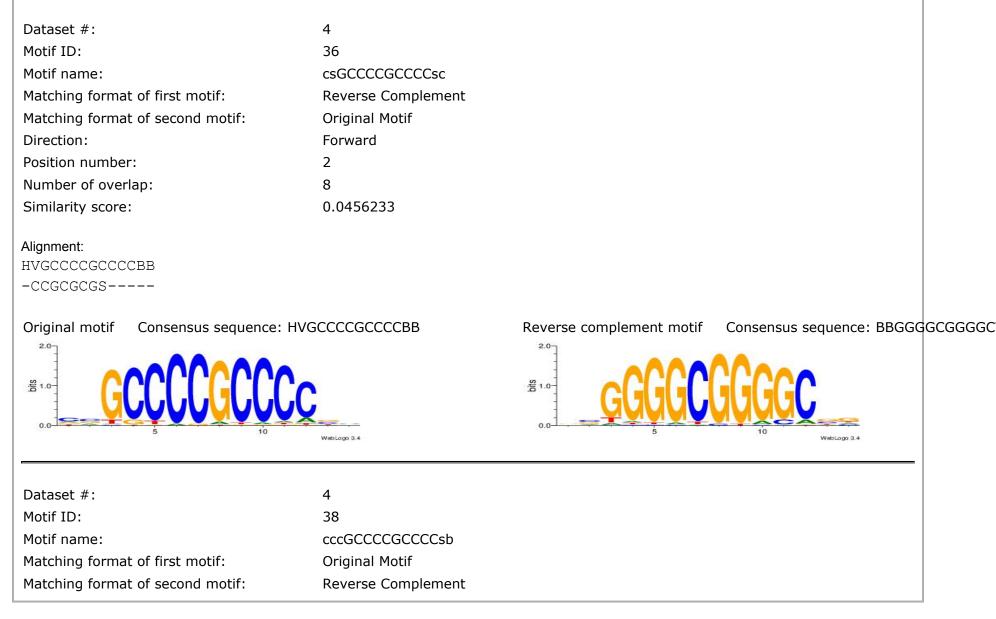




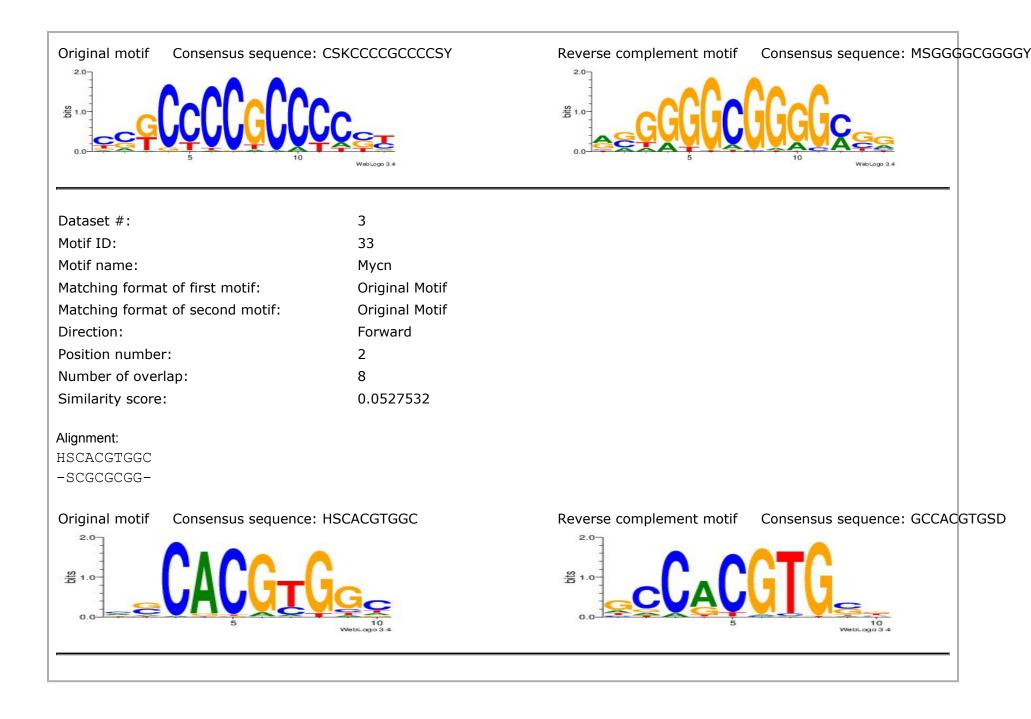


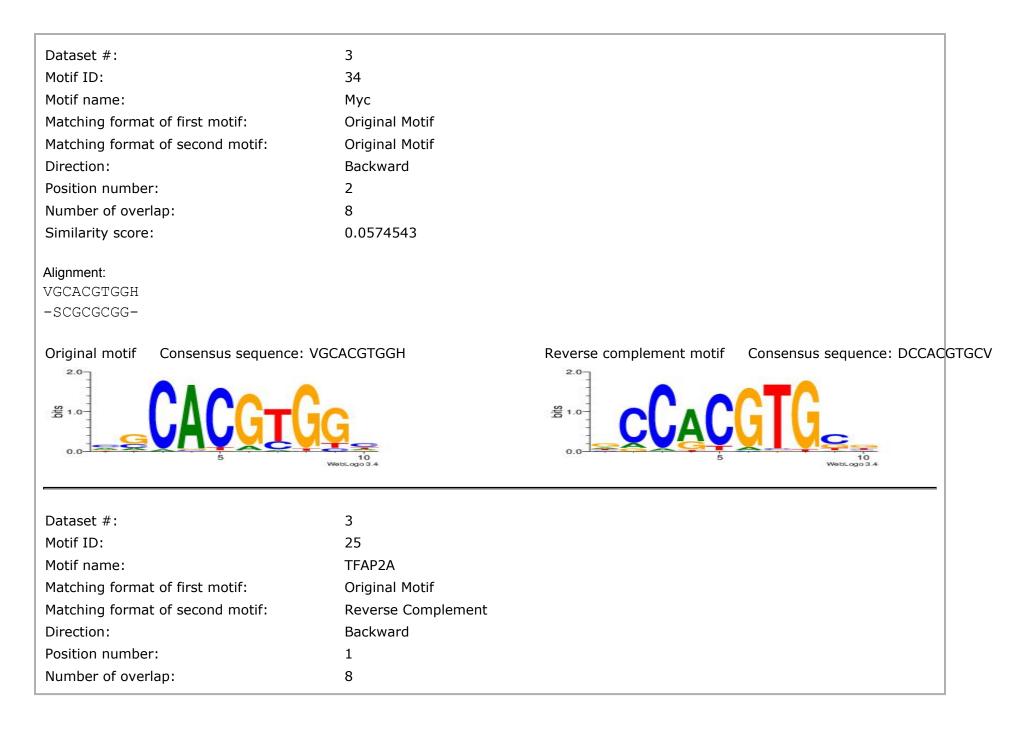


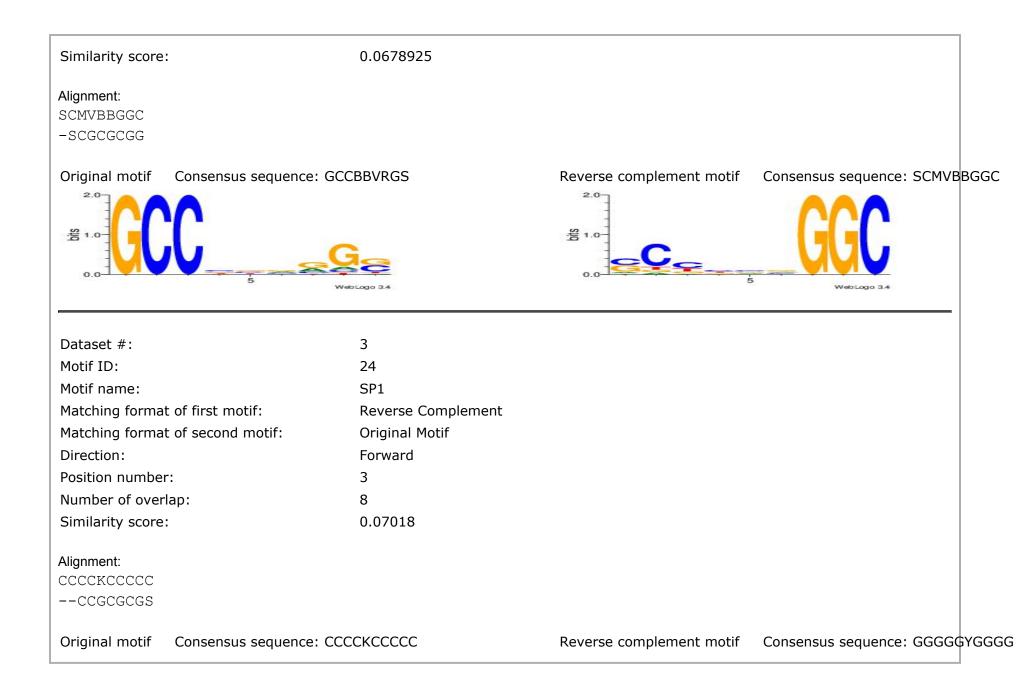
Best Matches for Top Significant Motif ID 47 (Highest to Lowest)

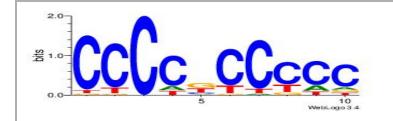


Direction:	Forward		
Position number:	7		
Number of overlap:	8		
Similarity score:	0.045686		
Alignment:			
BBGGGGCGGGGCGGB			
SCGCGCGG-			
Original motif Consensus sequence	e: BCCGCCCCGCCCCBB	Reverse complement motif BBGGGGCGGGGCGGB	Consensus sequence:
	00		Coco
ରା ଅବସ 	WebLogo 3.4	5	WebLogo 34
Dataset #:	2		
Motif ID:	7		
Motif ID: Motif name:	7 Motif 7		
Motif ID: Motif name: Matching format of first motif:	7 Motif 7 Reverse Complement		
Motif ID: Motif name: Matching format of first motif: Matching format of second motif:	7 Motif 7 Reverse Complement Original Motif		
Motif ID: Motif name: Matching format of first motif: Matching format of second motif: Direction:	7 Motif 7 Reverse Complement Original Motif Backward		
Motif ID: Motif name: Matching format of first motif: Matching format of second motif: Direction: Position number:	7 Motif 7 Reverse Complement Original Motif Backward 6		
Motif ID: Motif name: Matching format of first motif: Matching format of second motif: Direction:	7 Motif 7 Reverse Complement Original Motif Backward		
Motif ID: Motif name: Matching format of first motif: Matching format of second motif: Direction: Position number:	7 Motif 7 Reverse Complement Original Motif Backward 6		
Motif ID: Motif name: Matching format of first motif: Matching format of second motif: Direction: Position number: Number of overlap: Similarity score:	7 Motif 7 Reverse Complement Original Motif Backward 6 8		
Motif ID: Motif name: Matching format of first motif: Matching format of second motif: Direction: Position number: Number of overlap:	7 Motif 7 Reverse Complement Original Motif Backward 6 8		



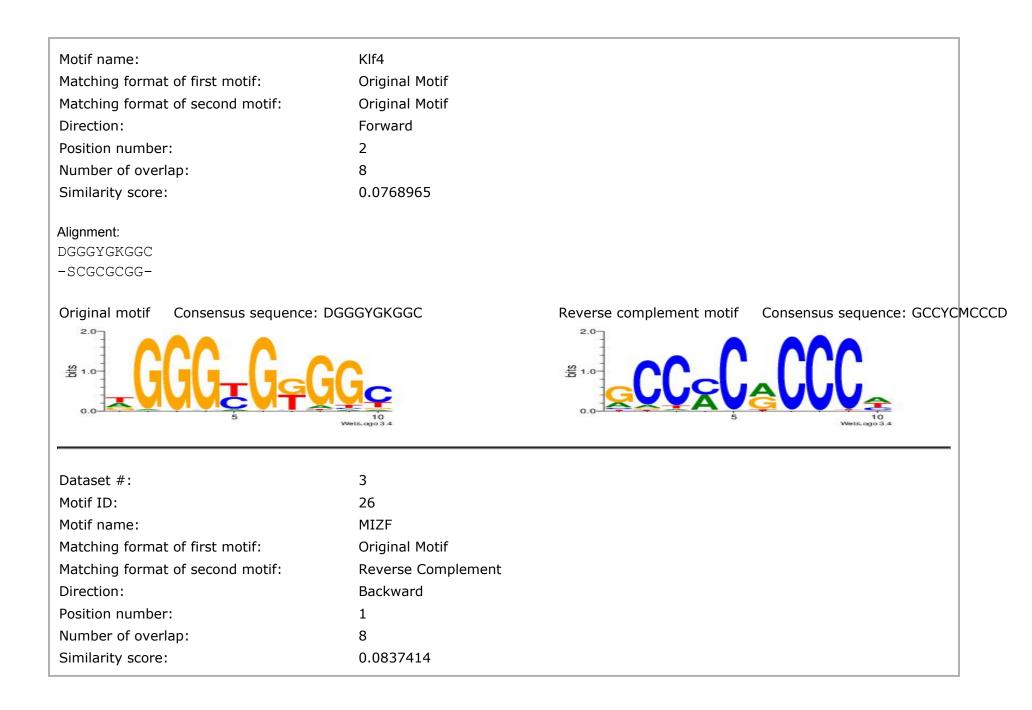


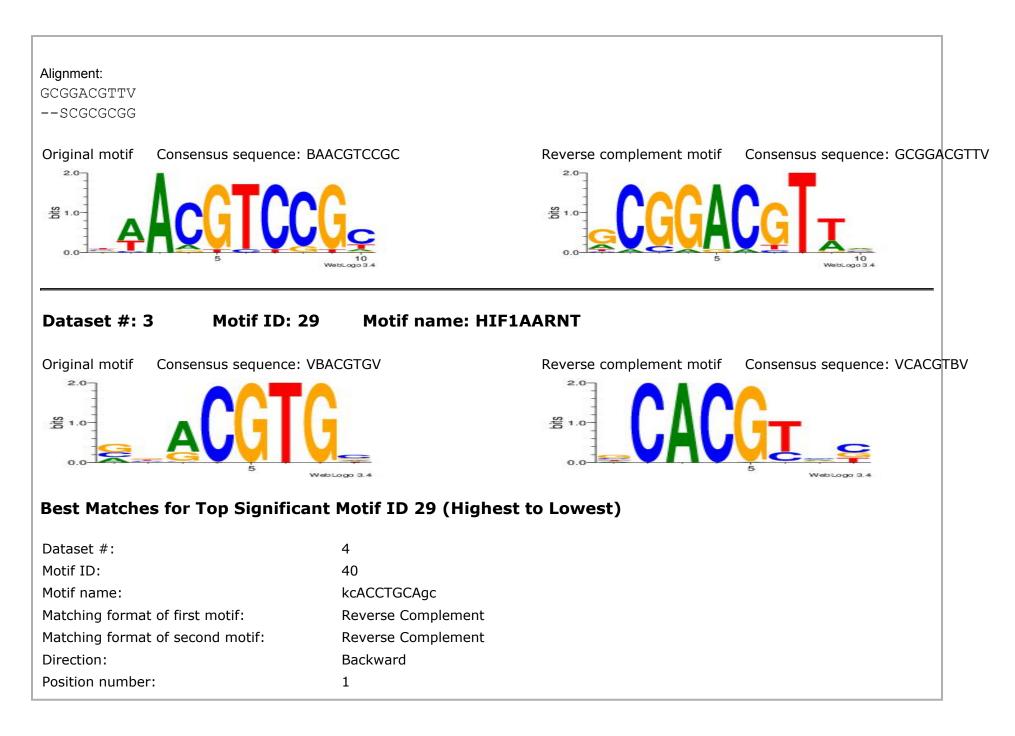


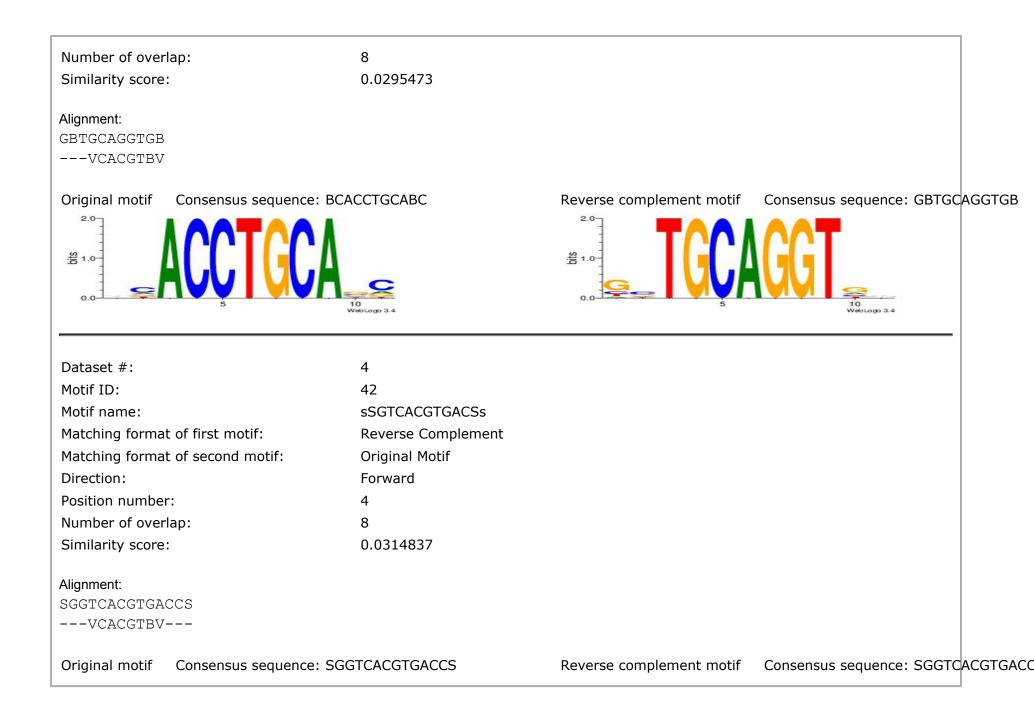


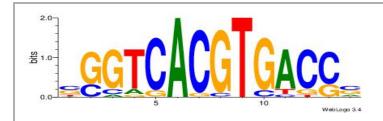


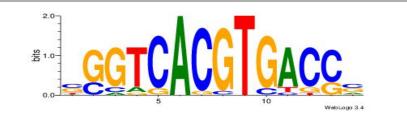
Dataset #:	3			
Motif ID:	22			
Motif name:	Zfx			
Matching format of first motif:	Original Motif			
Matching format of second motif:	Original Motif			
Direction:	Forward			
Position number:	3			
Number of overlap:	8			
Similarity score:	0.0710499			
Alignment: BBVGCCBVGGCCTV SCGCGCGG Original motif Consensus sequence:	BBVGCCBVGGCCTV	Reverse complement motif	Consensus sequence: VAGGC	CCBBGGCVE
Dataset #:	3			
Motif ID:	27			
l.				



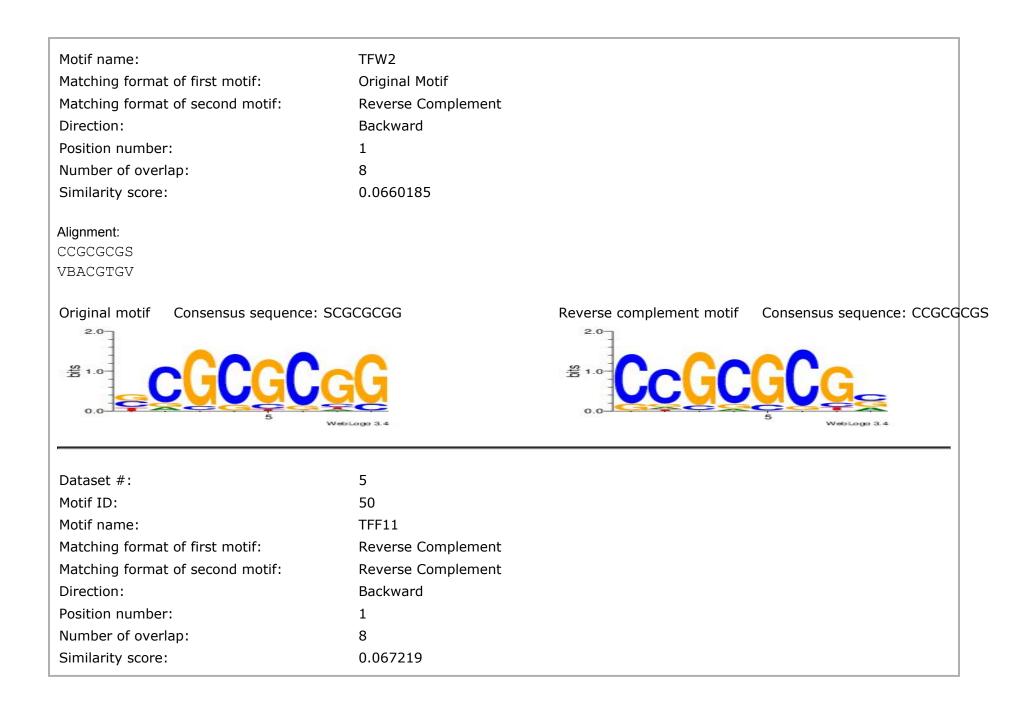








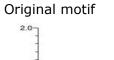
Dataset #:	4			
Motif ID:	44			
Motif name:	dhACATTCTkh			
Matching format of first motif:	Reverse Complement			
Matching format of second motif:	Original Motif			
Direction:	Forward			
Position number:	1			
Number of overlap:	8			
Similarity score:	0.0640024			
Alignment: DHACATTCTGH				
VCACGTBV				
Original motif Consensus sequence: I	DHACATTCTGH	Reverse complement motif	Consensus sequence: HCAGA	ATGTHD
		2.0		
≝1.0-		≝1.0- ¹		
	G			
		₽ĂŊŲ		
5	WebLogo 3.4	5	WebLogo 3.4	
Dataset #:	5			
Motif ID:	47			



Alignment:

GCVCCGCCMCCYCC

----VCACGTBV



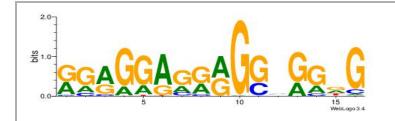
Consensus sequence: GGMGGRGGCGGVGC

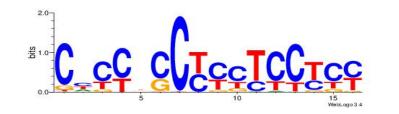


Reverse complement motif Consensus sequence: GCVCCGCCMCCYC 2.0-

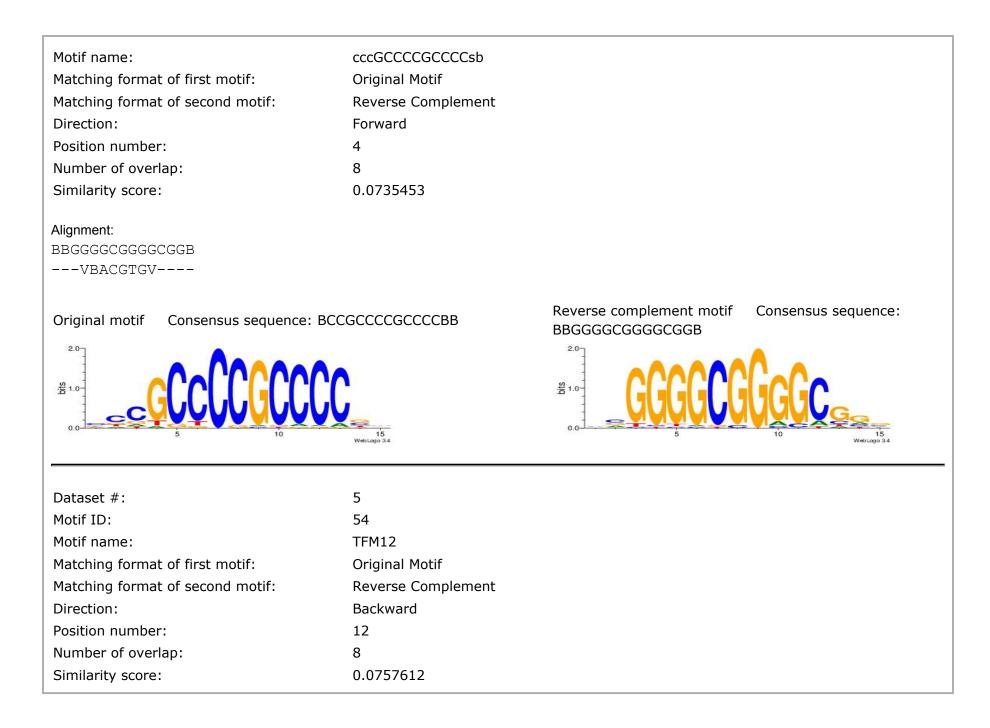


Original motif C	Consensus sequence: RGF	RGGAGRRGGHGGDG	Reverse complement motif CHCCBCCKMCTCCKCM	Consensus sequence:
Alignment: RGRGGAGRRGGHG VBACGTGV				
Similarity score:		0.0698117		
Number of overlag):	8		
Position number:		4		
Direction:		Forward		
Matching format o	f second motif:	Original Motif		
Matching format o	f first motif:	Original Motif		
Motif name:		TFM2		
Motif ID:		51		
Dataset #:		5		





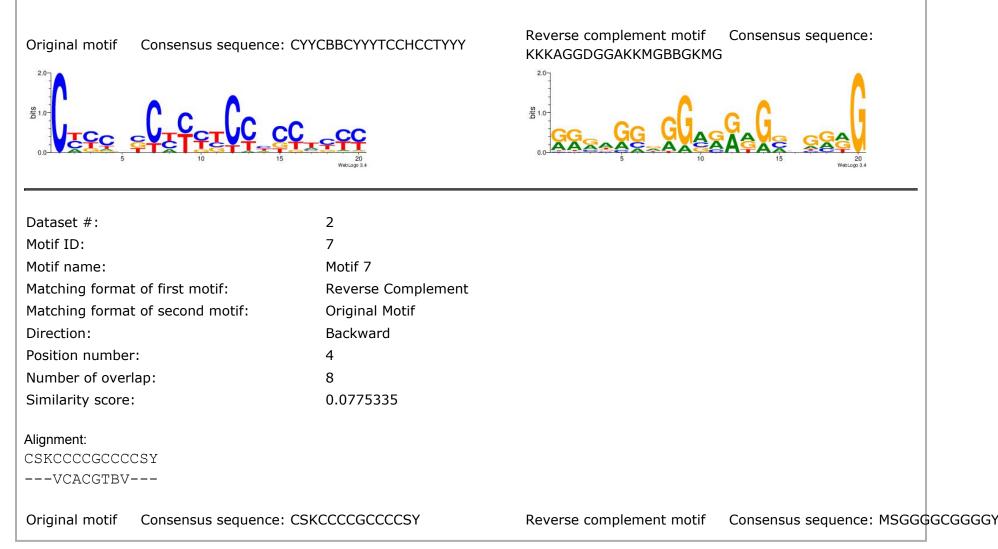
Dataset #:	4			
Motif ID:	36			
Motif name:	csGCCCCGCCCCsc			
Matching format of first motif:	Original Motif			
Matching format of second motif:	Reverse Complement			
Direction:	Backward			
Position number:	4			
Number of overlap:	8			
Similarity score:	0.0711168			
BBGGGGCGGGGGCVD VBACGTGV Original motif Consensus sequence	: HVGCCCCGCCCBB	Reverse complement motif	Consensus sequence: BBGG	GGCGGGGC
Dataset #:	4			
Motif ID:	38			

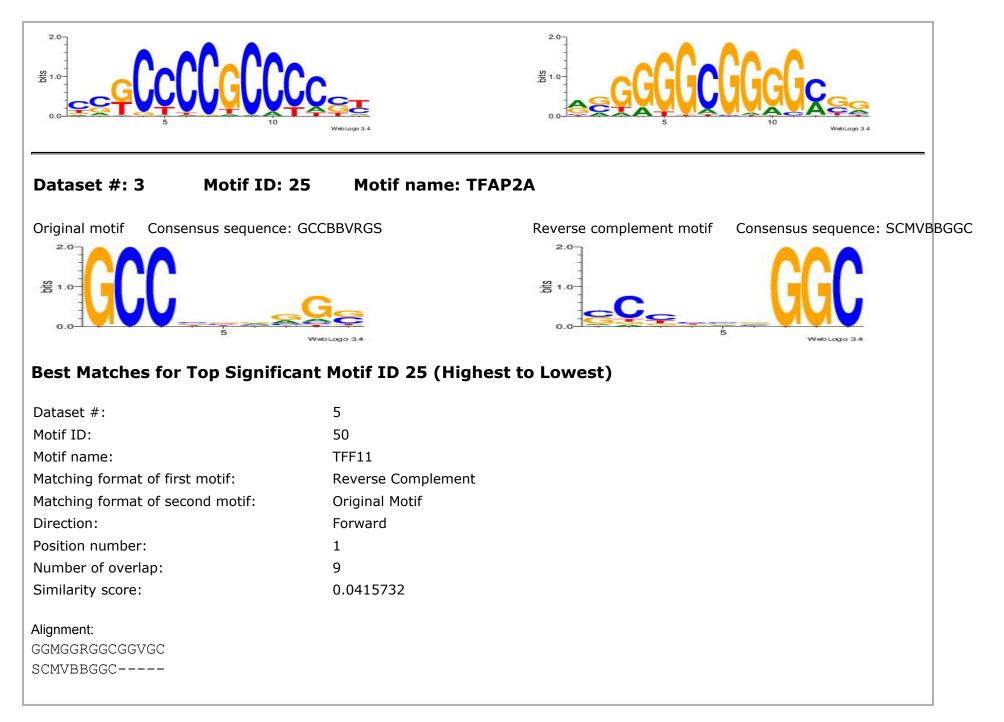


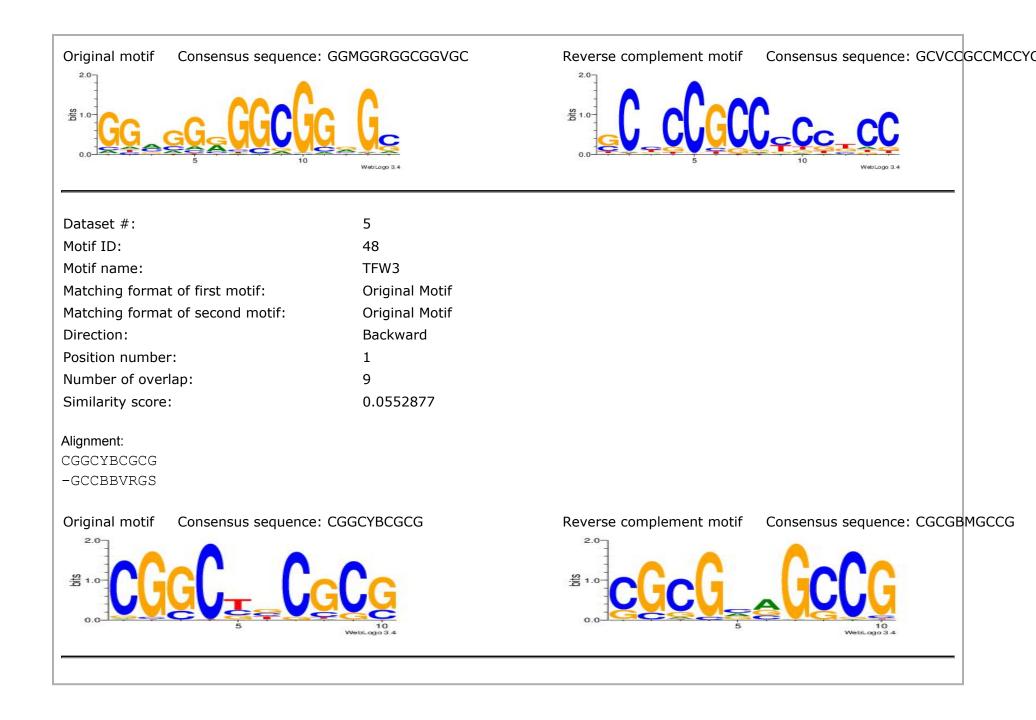
Alignment:

KKKAGGDGGAKKMGBBGKMG

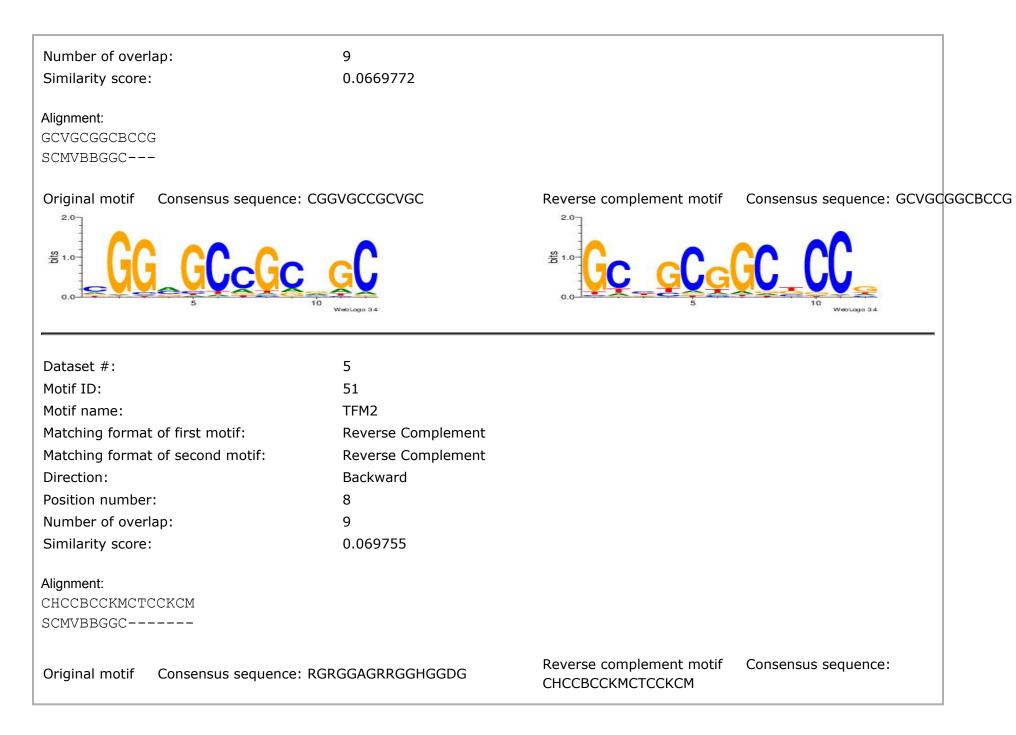
-VBACGTGV------

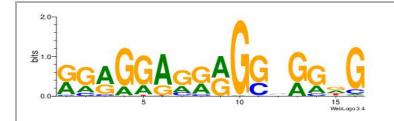


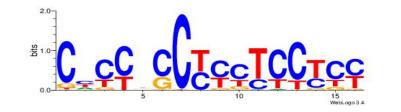




Dataset #:	5	
Motif ID:	54	
Motif name:	TFM12	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Reverse Complement	
Direction:	Backward	
Position number:	11	
Number of overlap:	9	
Similarity score:	0.0630429	
Alignment:		
KKKAGGDGGAKKMGBBGKMG		
-SCMVBBGGC		
	20 Weblop 3.4	KKKAGGDGGAKKMGBBGKMG
Dataset #:	5	
Motif ID:	49	
Motif name:	TFF1	
Matching format of first motif:	Reverse Complement	
Matching format of first motif: Matching format of second motif:	Reverse Complement Reverse Complement	
Matching format of first motif: Matching format of second motif: Direction: Position number:	Reverse Complement	





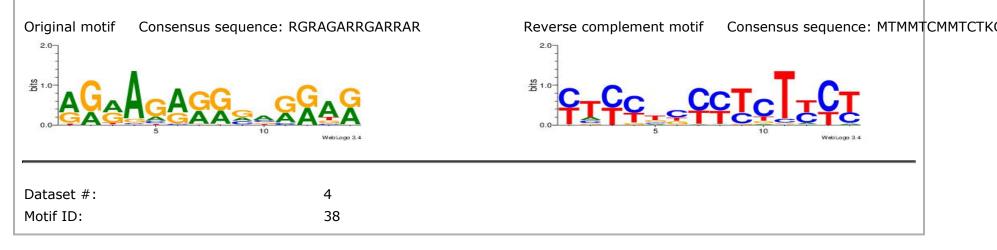


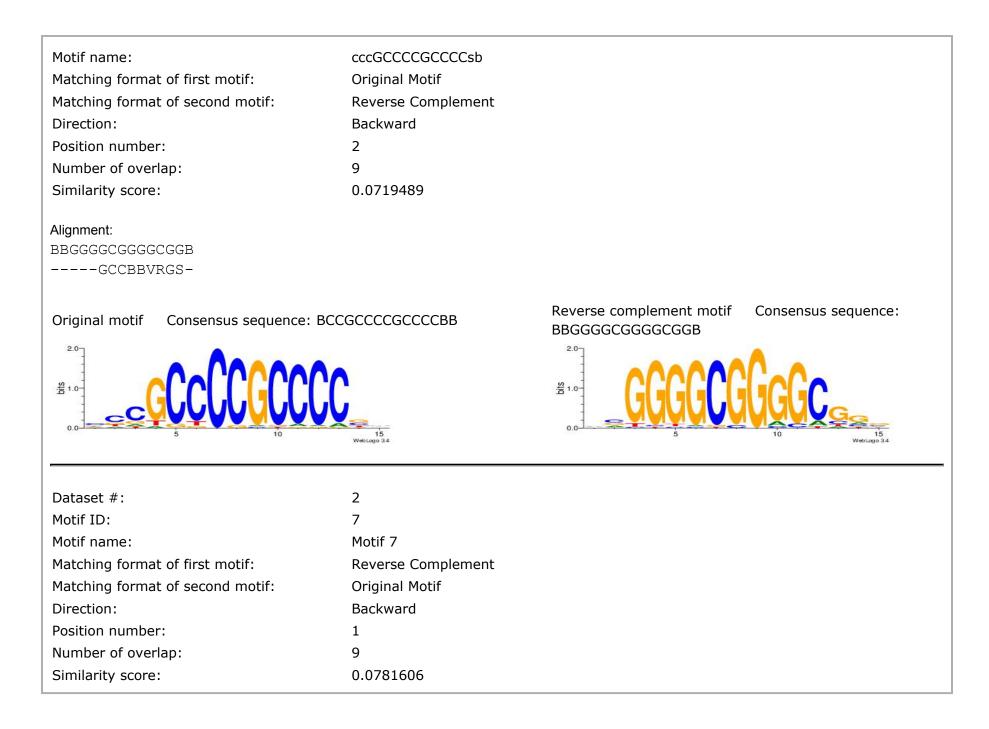
Dataset #:	2
Motif ID:	2
Motif name:	Motif 2
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	2
Number of overlap:	9
Similarity score:	0.0715961

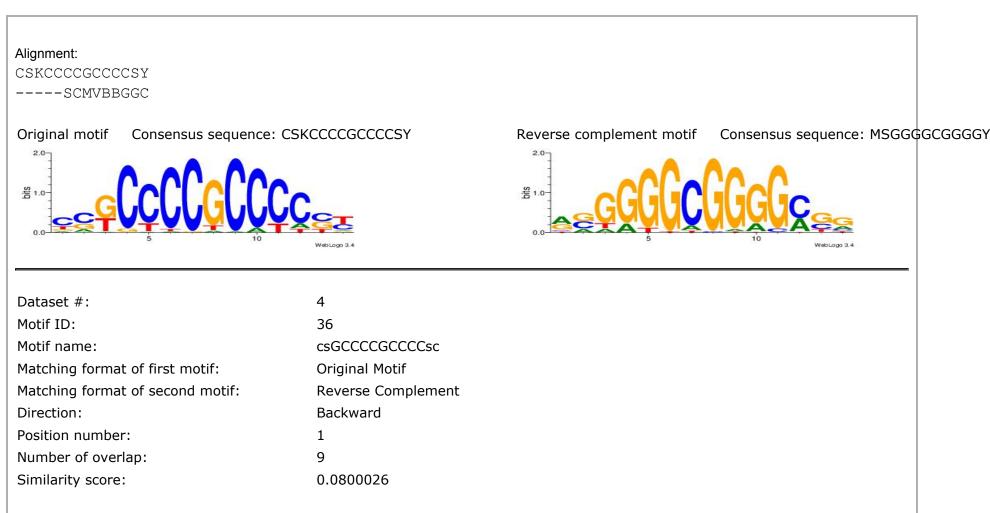
Alignment:

MTMMTCMMTCTKCK

----SCMVBBGGC-





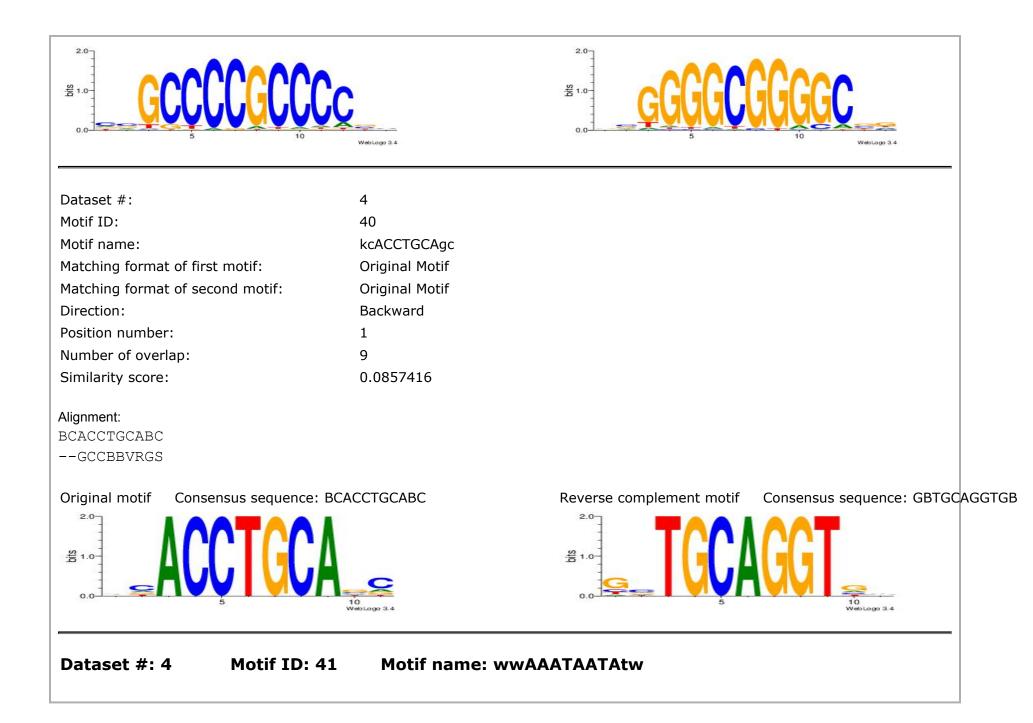


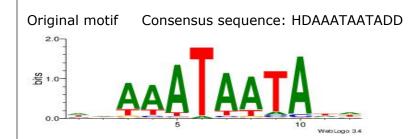
Alignment: BBGGGGCGGGGCVD

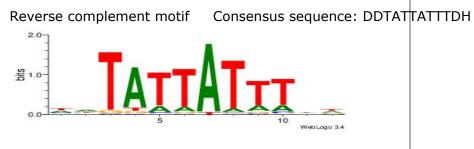
----GCCBBVRGS

Original motif Consensus sequence: HVGCCCCGCCCBB

Reverse complement motif Consensus sequence: BBGGGGCGGGGC





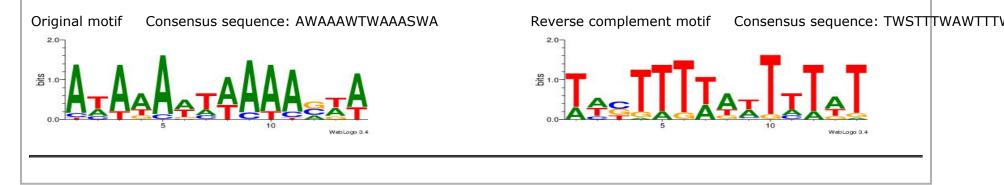


Best Matches for Top Significant Motif ID 41 (Highest to Lowest)

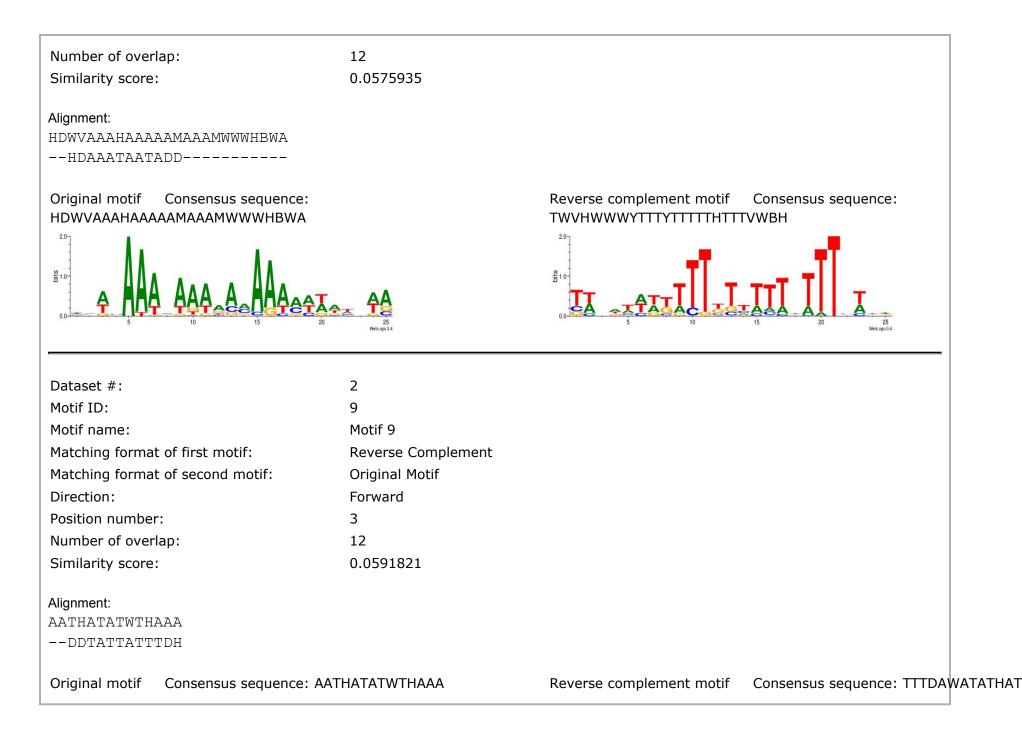
Dataset #:	2
Motif ID:	3
Motif name:	Motif 3
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	12
Similarity score:	0.0536028

Alignment:

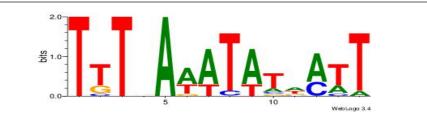
AWAAAWTWAAASWA -HDAAATAATADD-



Dataset #:	5	
Motif ID:	52	
Motif name:	TFM1	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Original Motif	
Direction:	Forward	
Position number:	7	
Number of overlap:	12	
Similarity score:	0.0565705	
Alignment:		
WTKTTTTTHWTTTTTTBT		
DDTATTATTTDH		
Original motif Consensus sequence:	: WTKTTTTTHWTTTTTTBT	Reverse complement motif Consensus sequence: ABAAAAAWHAAAAARAW
	15 WebLogo 34	
Dataset #:	5	
Motif ID:	56	
Motif name:	TFM11	
Matching format of first motif:	Original Motif	
Matching format of second motif:	Original Motif	
Direction:	Forward	
Position number:	3	



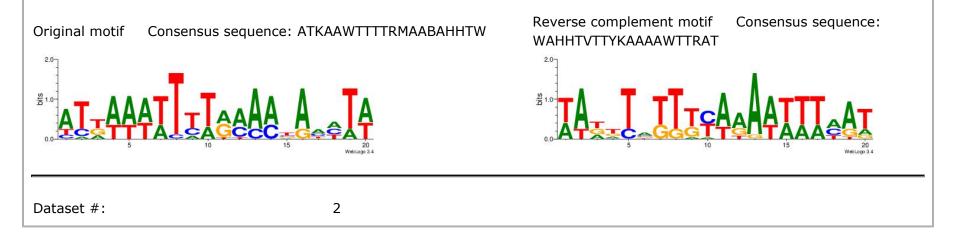


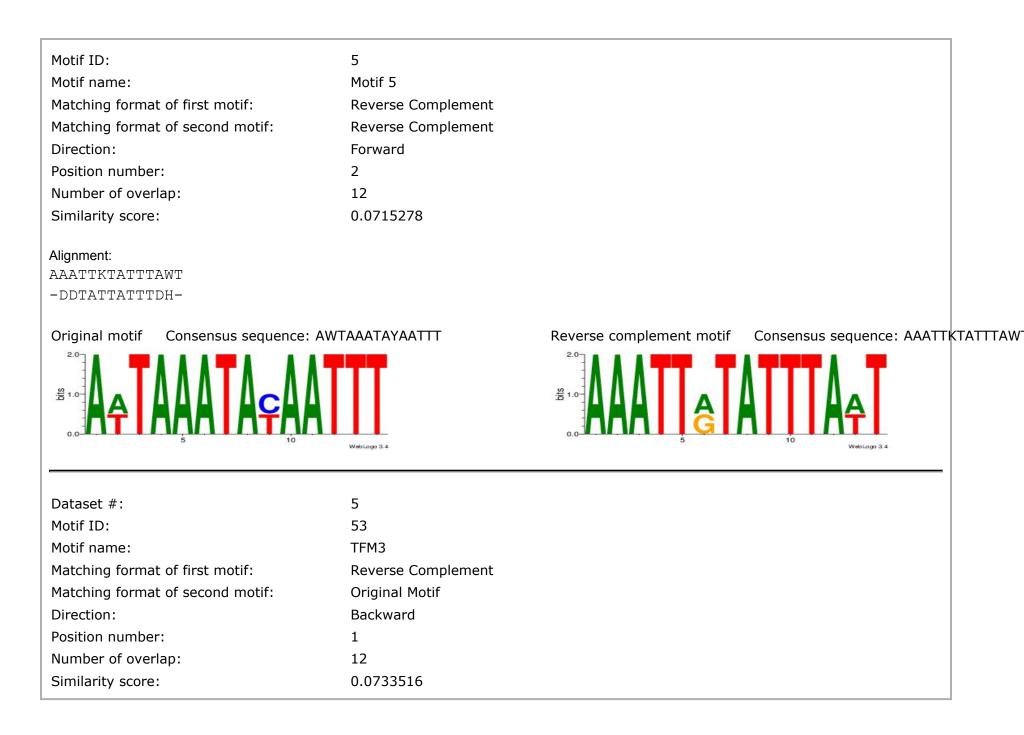


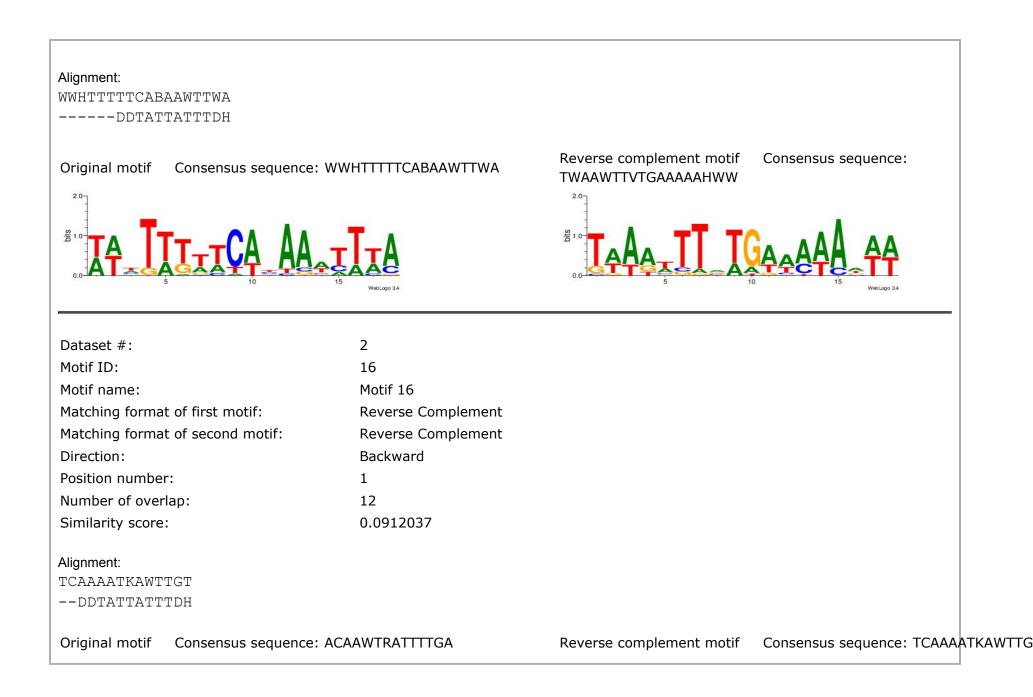
Dataset #:	5
Motif ID:	55
Motif name:	TFM13
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	1
Number of overlap:	12
Similarity score:	0.0712963

Alignment: WAHHTVTTYKAAAAWTTRAT

-----HDAAATAATADD





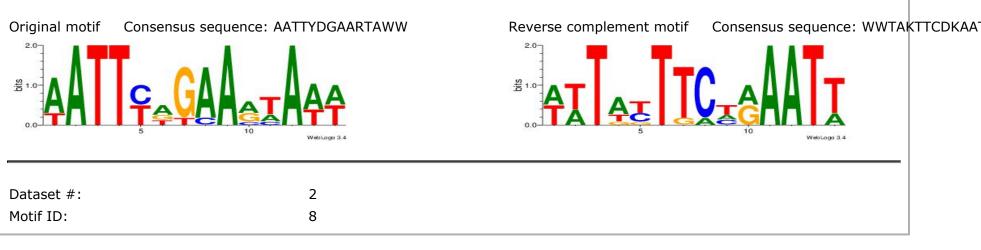


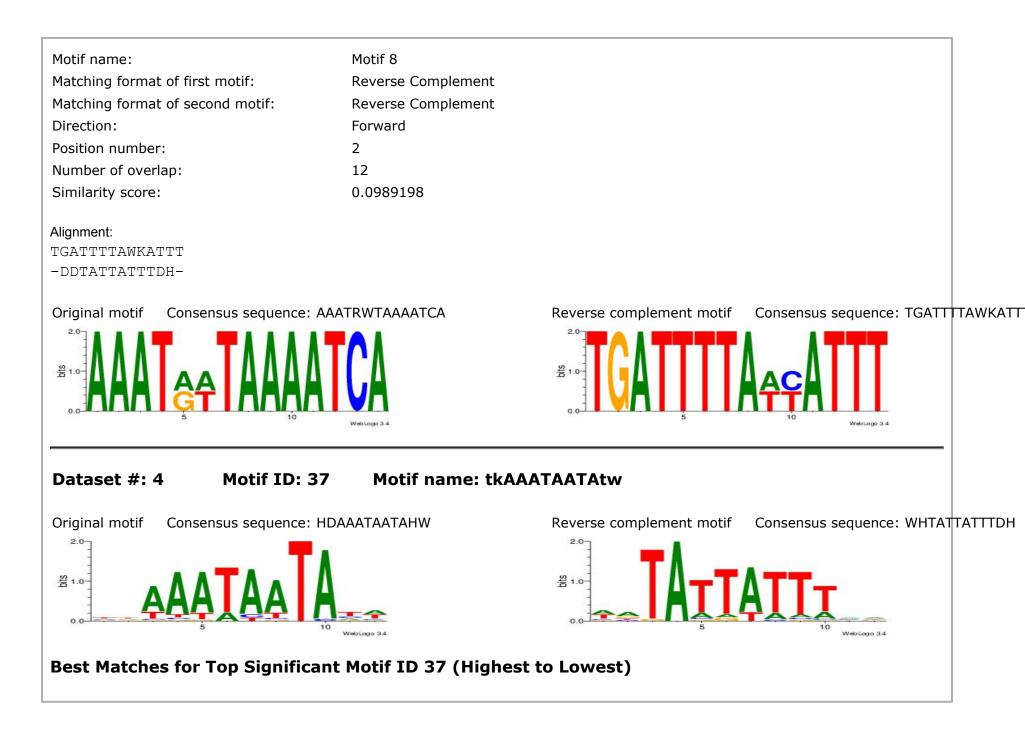


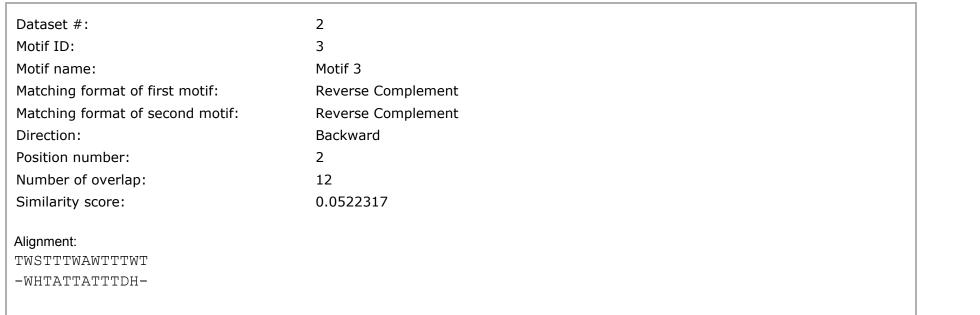


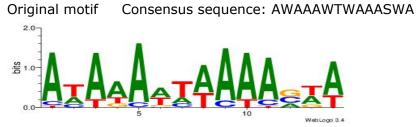
Dataset #:	2
Motif ID:	6
Motif name:	Motif 6
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	3
Number of overlap:	12
Similarity score:	0.0924576

Alignment: WWTAKTTCDKAATT DDTATTATTTDH--

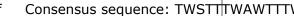


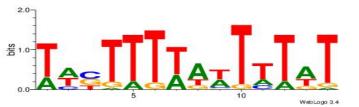




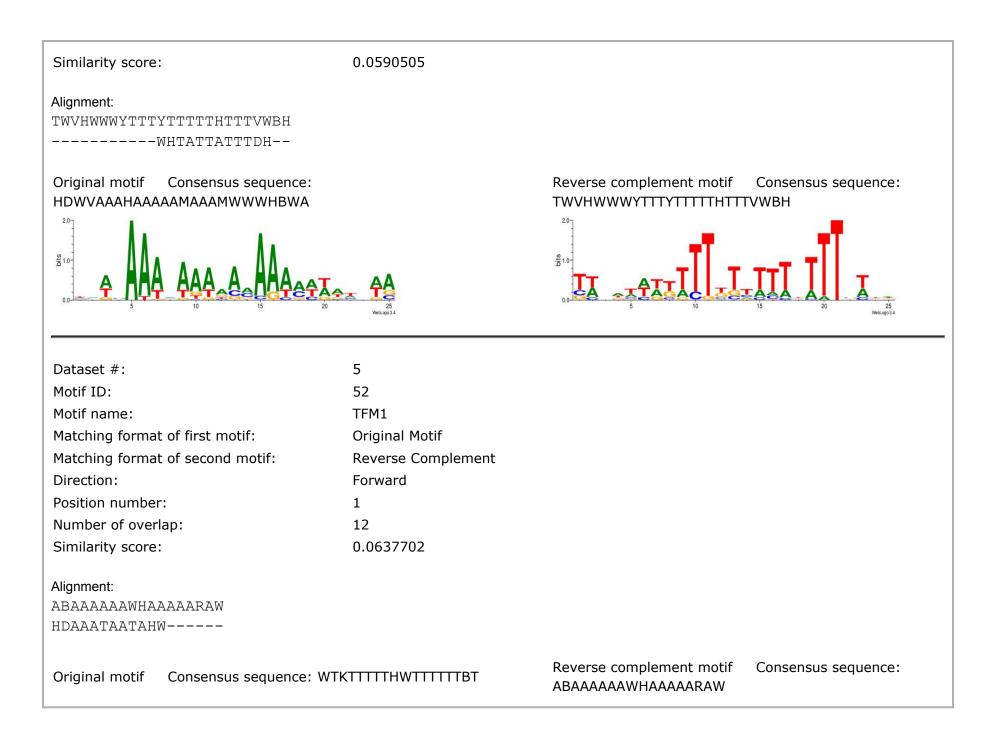


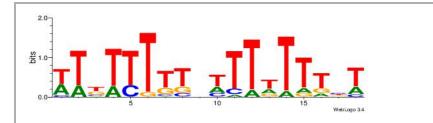


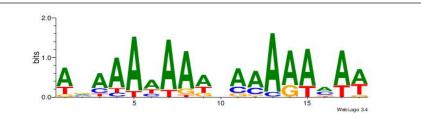


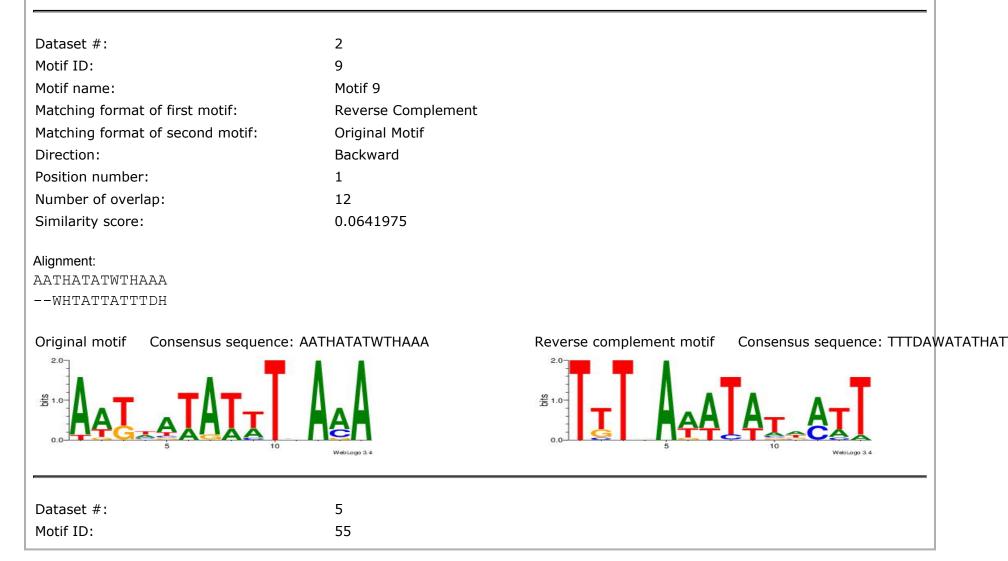


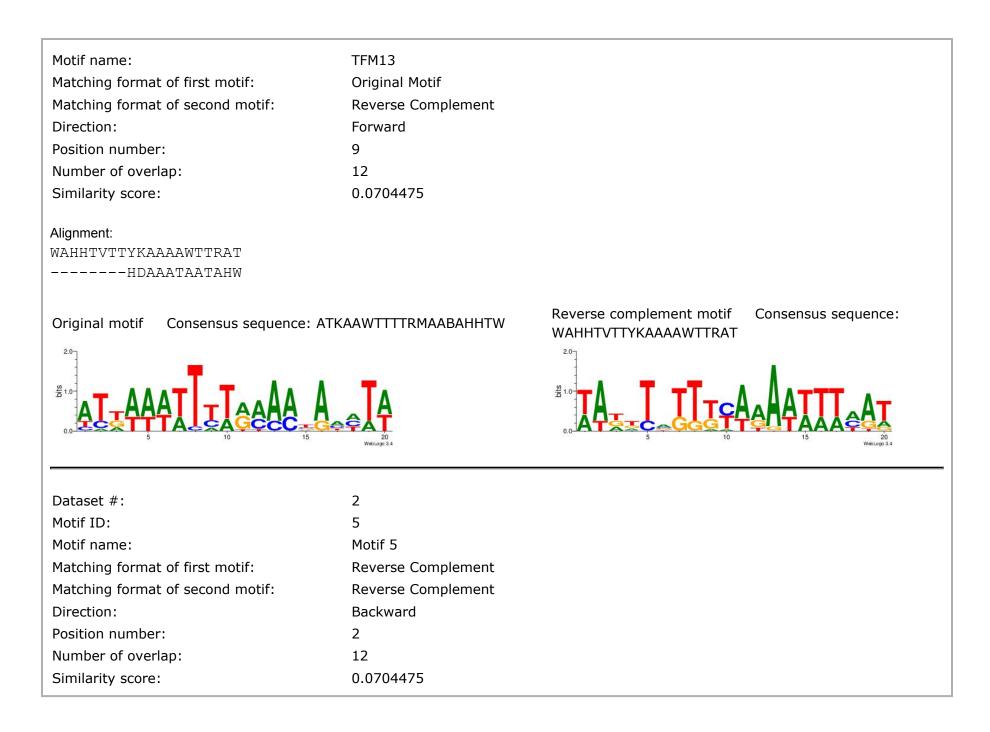
Dataset #:	5
Motif ID:	56
Motif name:	TFM11
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	12
Number of overlap:	12

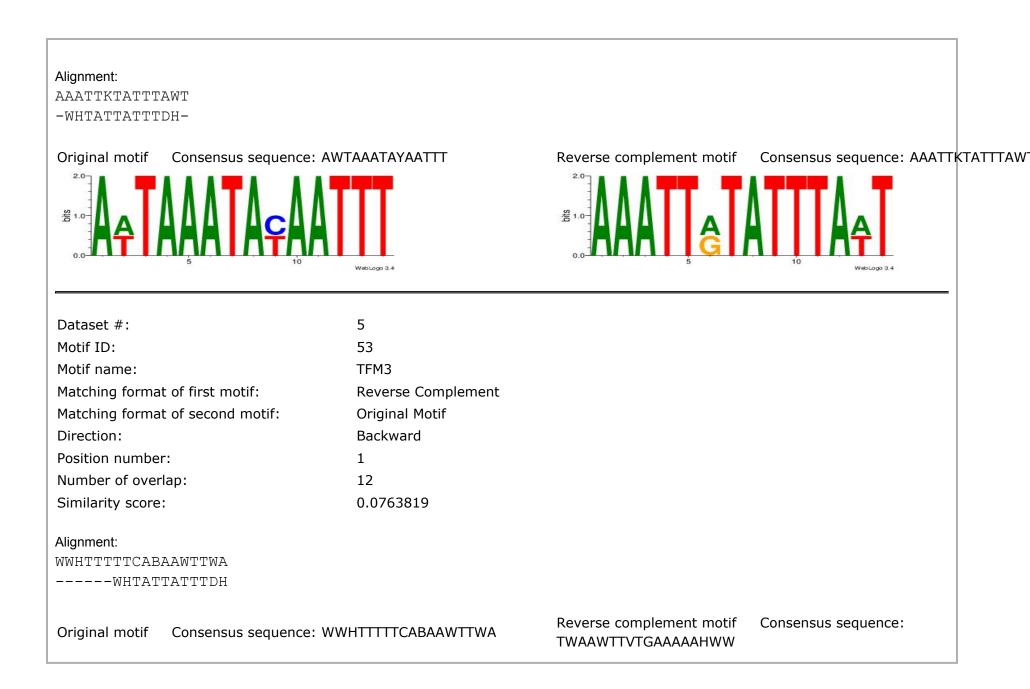


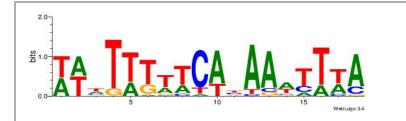


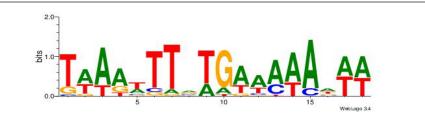






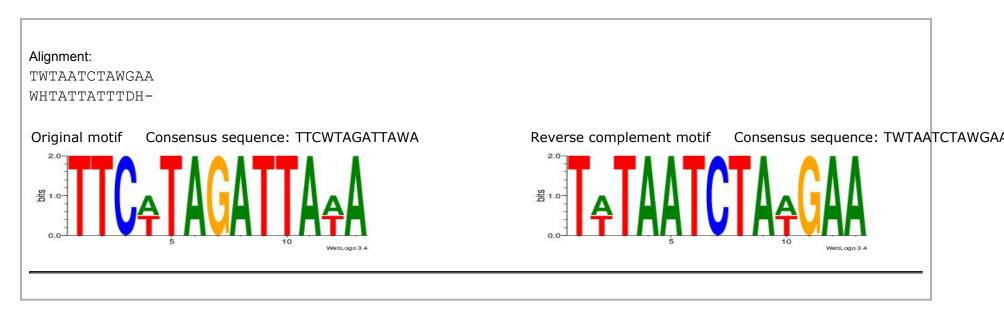






Dataset #:	2			
Motif ID:	16			
Motif name:	Motif 16			
Matching format of first motif:	Reverse Complement			
Matching format of second motif:	Reverse Complement			
Direction:	Backward			
Position number:	1			
Number of overlap:	12			
Similarity score:	0.0864198			
Alignment:				
TCAAAATKAWTTGT				
WHTATTATTTDH				
Original motif Consensus sequence: ACA	AWIRATITIGA	Reverse complement motif	Consensus sequence: TCAAA	AIKAWIIG
≝ 1.0-		≝1.0-		
5 10	WebLogo 3.4	5	10 WebLogo 3.4	
Dataset #:	2			
Motif ID:	6			
	-			

Motif name:	Motif 6	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Reverse Complement	
Direction:	Forward	
Position number:	1	
Number of overlap:	12	
Similarity score:	0.09076	
Alignment:		
WWTAKTTCDKAATT		
WHTATTATTTDH		
	WebLogo 3.4	VebLoge 3.4
Dataset #:	WebLogo 3.4	The second secon
Dataset #:		vebloge 3.4
Dataset #:	2	to weblogs 3.4
Dataset #: Motif ID:	2 19	vebloge 3.4
Dataset #: Motif ID: Motif name:	2 19 Motif 19	vebloga 34
Dataset #: Motif ID: Motif name: Matching format of first motif: Matching format of second motif:	2 19 Motif 19 Reverse Complement	veblogs 3.4
Dataset #: Motif ID: Motif name: Matching format of first motif: Matching format of second motif:	2 19 Motif 19 Reverse Complement Reverse Complement	Vebloge 3.4
Dataset #: Motif ID: Motif name: Matching format of first motif: Matching format of second motif: Direction:	2 19 Motif 19 Reverse Complement Reverse Complement Backward	veblogs 3.4



Results created by MOTIFSIM on 06-19-2018 08:41:08 Runtime: 819.17 seconds

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