

MOTIFSIM - MOTIF SIMilarity Detection Tool

Version 2.1

INPUT

Input Parameters			
Number of files:	2		
Number of top significant motifs:	10		
Number of best matches:	10		
Similarity cutoff >=	0.75		
Matching motif database:	UniProbe Mu	s Musculus	
Phylogenetic 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
W-ChIPMotifs_DM230.txt		11	1
RSAT_peak-motifs_DM230.txt		10	2

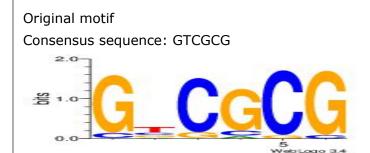
RESULTS

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

Dataset #: 1

Motif ID: 1

Motif name: TFW1



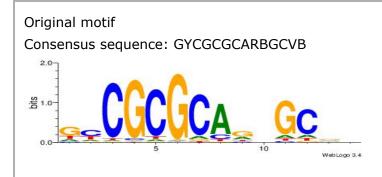
Reverse complement motif Consensus sequence: CGCGAC

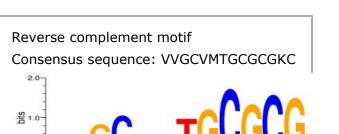


Best Matches for Motif ID 1 (Highest to Lowest)

Motif ID:	<u>UP00065</u>
Motif name:	Zfp161_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	9
Number of overlap:	6
Similarity score:	0
Alignment:	

GYCGCGCARBGCVB GTCGCG-----



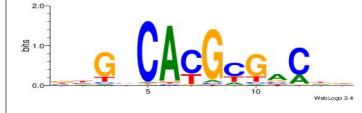


Motif ID:	<u>UP00060</u>
Motif name:	Max_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward
Position number:	3
Number of overlap:	6
Similarity score:	0.00875457

Alignment: BBGHCACGCGACDD

Original motif

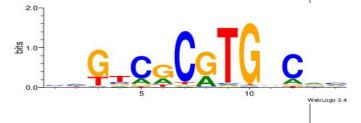
Consensus sequence: BBGHCACGCGACDD



Reverse complement motif

0.0

Consensus sequence: HDGTCGCGTGDCVB



Webl ogo 2

Motif ID:	<u>UP00003</u>	
Motif name:	E2F3_primary	
Species:	Mus musculus	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Reverse Complement	
Direction:	Backward	
Position number:	6	
Number of overlap:	6	
Similarity score:	0.0102952	

Alignment:

WHSGCGCGCCHTDHB

----CGCGAC-----

Original motif

Consensus sequence: VHDADGGCGCGCSHW

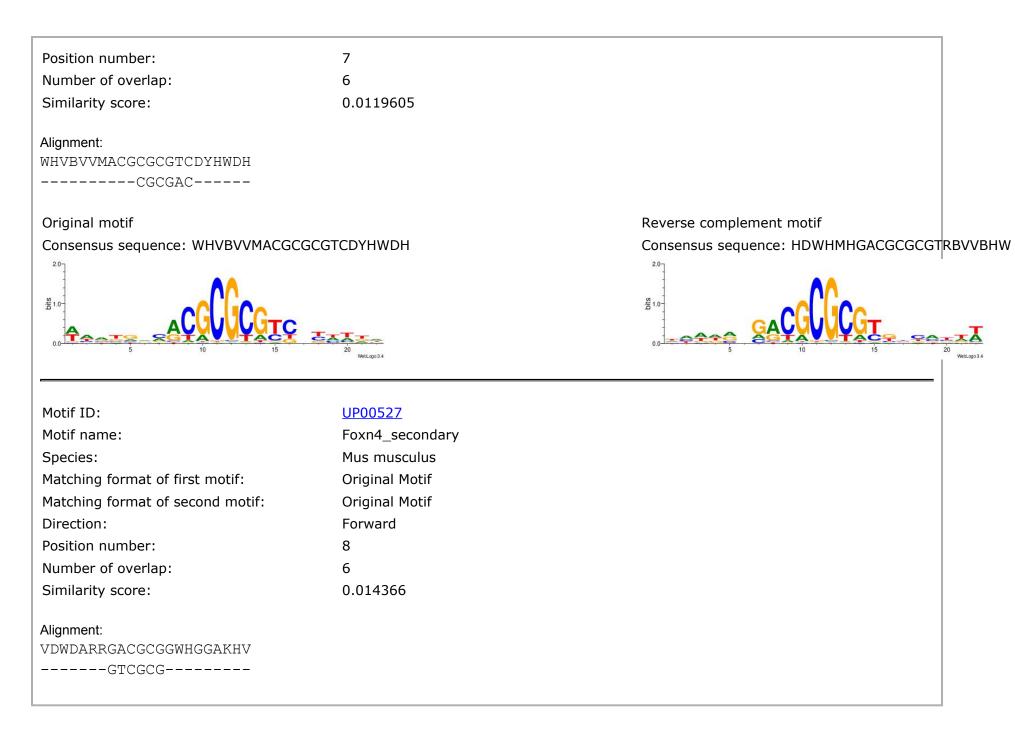


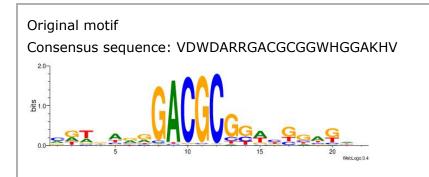
Reverse complement motif

Consensus sequence: WHSGCGCGCCHTDHB



Motif ID:	<u>UP00526</u>
Motif name:	Foxn1_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Backward





<u>UP00065</u>

Forward

0.0143989

10

6

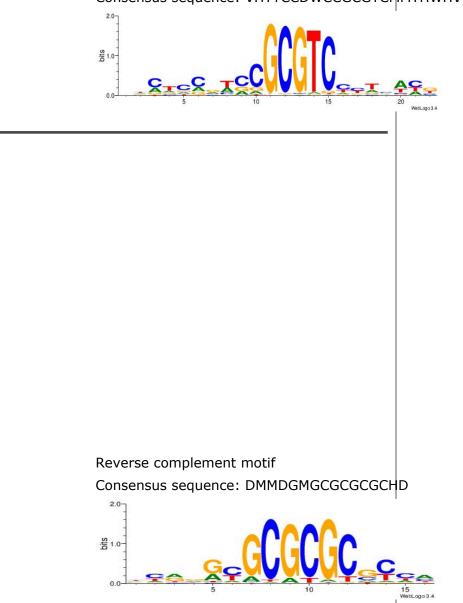
Zfp161_primary

Reverse Complement

Reverse Complement

Mus musculus

Reverse complement motif Consensus sequence: VHYTCCDWCCGCGTCMMTHWHV



Alignment: DMMDGMGCGCGCGCHD

Matching format of first motif:

Matching format of second motif:

Original motif

Motif ID:

Species:

Direction:

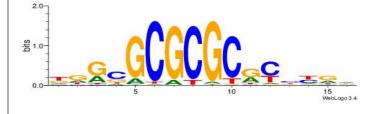
Position number:

Similarity score:

Number of overlap:

Motif name:

Consensus sequence: DDGCGCGCGCGCRCHYRD



Motif ID:	<u>UP00001</u>
Motif name:	E2F2_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	5
Number of overlap:	6
Similarity score:	0.0147239

Alignment:

HHVGCGCGCCKTDHB

----CGCGAC-----

Original motif

Consensus sequence: VHDARGGCGCGCVHH

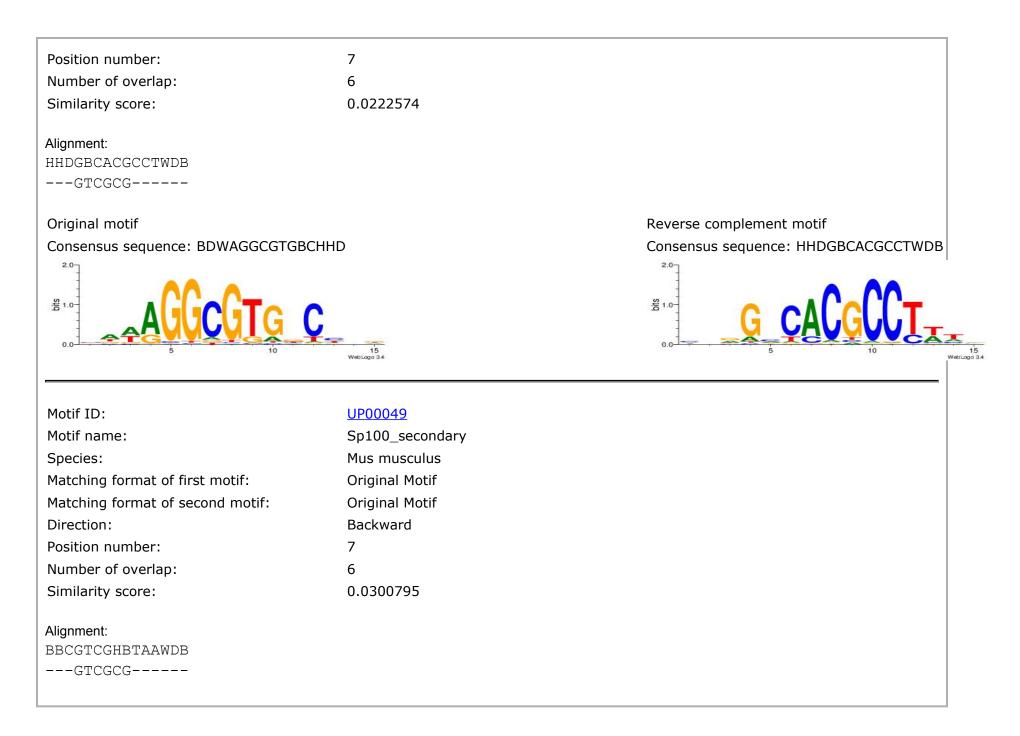


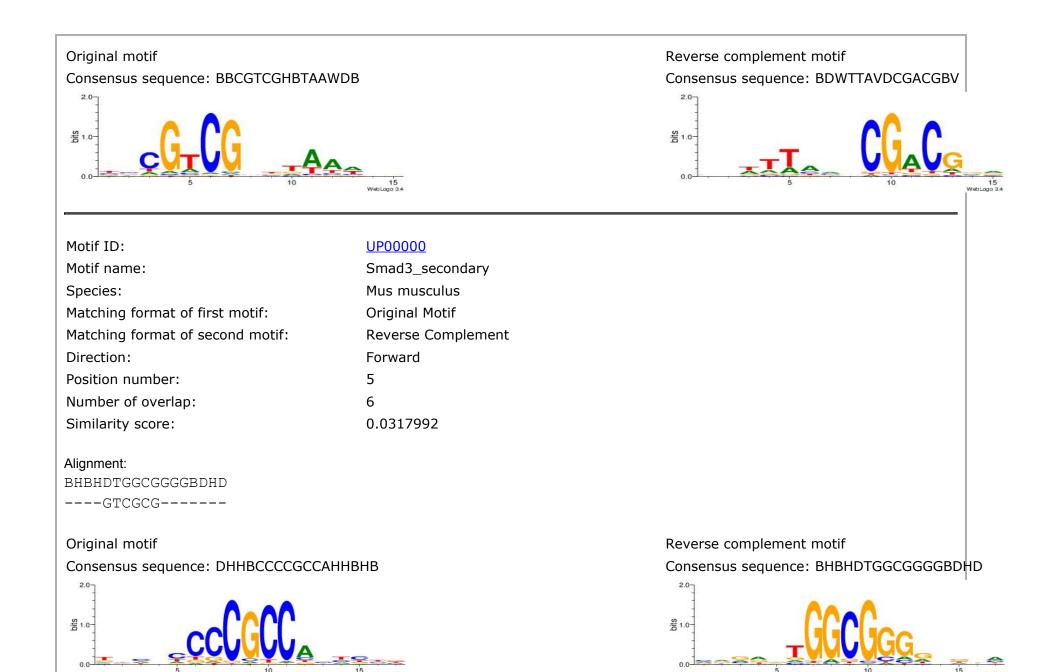
Reverse complement motif

Consensus sequence: HHVGCGCGCCKTDHB



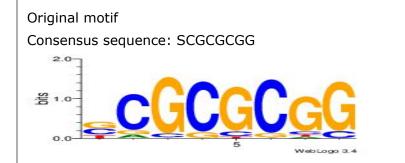
Motif ID:	<u>UP00002</u>
Motif name:	Sp4_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward





WebLogo 3.4

Dataset #: 1 Motif ID: 2 Motif name: TFW2



Best Matches for Motif ID 2 (Highest to Lowest)

Motif ID:	<u>UP00526</u>		
Motif name:	Foxn1_primary		
Species:	Mus musculus		
Matching format of first motif:	Reverse Complement		
Matching format of second motif:	Reverse Complement		
Direction:	Backward		
Position number:	8		
Number of overlap:	8		
Similarity score:	0		
Alignment:			
HDWHMHGACGCGCGTRBVVBHW			
CCGCGCGS			
Original motif		Reverse complement motif	
Consensus sequence: WHVBVVMACGCGC	GTCDYHWDH	Consensus sequence: HDWHMHGACGCGCGT	RBVVBHW

Reverse complement motif

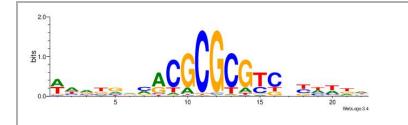
2.0-

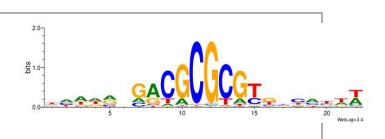
-Si 1.0-

0.0

Consensus sequence: CCGCGCGS

WebLogo 3.4





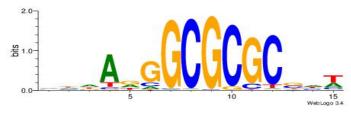
Motif ID:	<u>UP00065</u>	
Motif name:	Zfp161_secondary	
Species:	Mus musculus	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Reverse Complement	
Direction:	Backward	
Position number:	2	
Number of overlap:	8	
Similarity score:	0.00228411	
Alignment: VVGCVMTGCGCGKC CCGCGCGS- Original motif Consensus sequence: GYCGCGCARBGCVE		Reverse complement motif Consensus sequence: VVGCVMTGCGCGKC
Motif ID:	WebLogo 3.4	5 10 WebLogo 3.4

Motif name:	E2F3_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	7
Number of overlap:	8
Similarity score:	0.00337853
Alignment:	
WHSGCGCGCCHTDHB	

-CCGCGCGS-----

Original motif

Consensus sequence: VHDADGGCGCGCSHW



Reverse complement motif

Consensus sequence: WHSGCGCGCCHTDHB



Motif ID:	<u>UP00001</u>
Motif name:	E2F2_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	2
Number of overlap:	8

Similarity score:

0.00399923

Alignment:

HHVGCGCGCCKTDHB

-CCGCGCGS-----

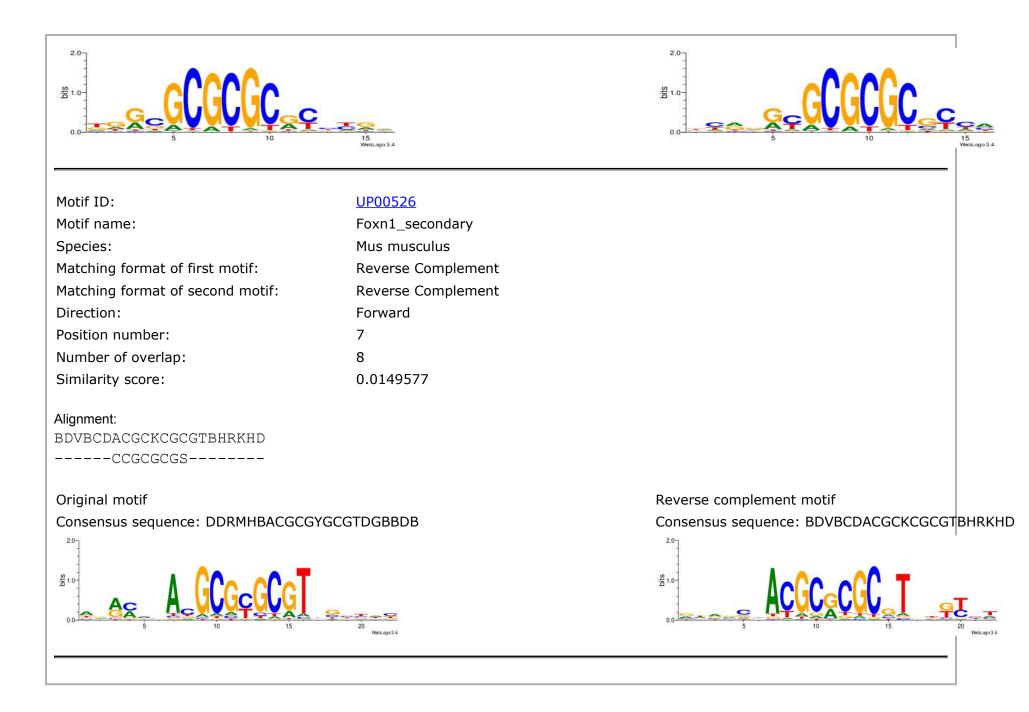
Original motif

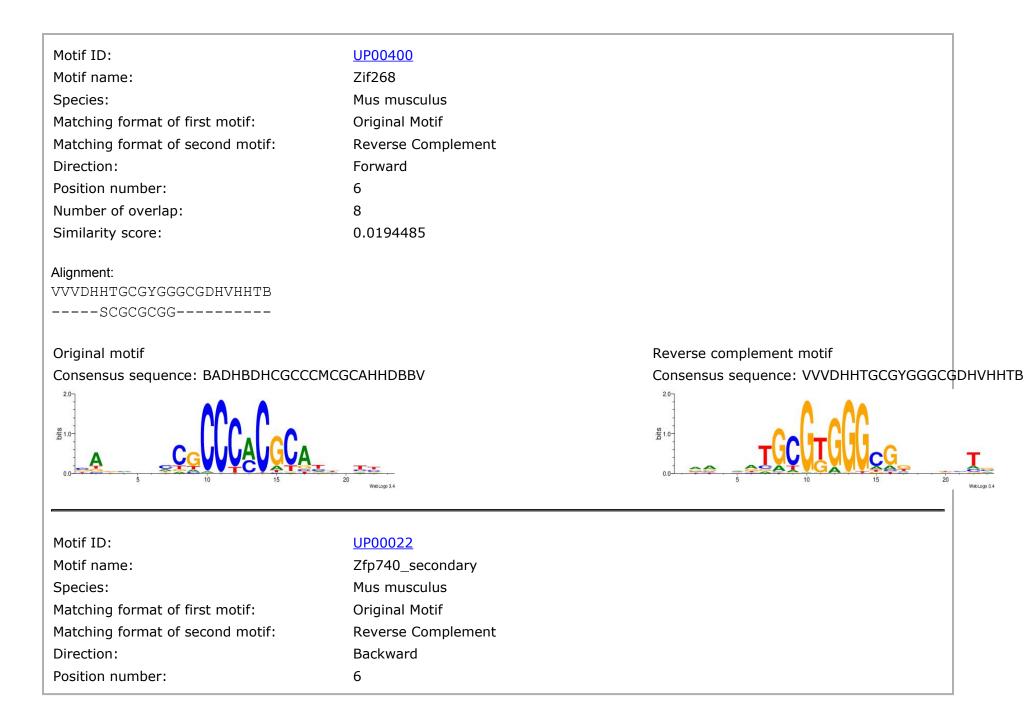
Consensus sequence: VHDARGGCGCGCVHH

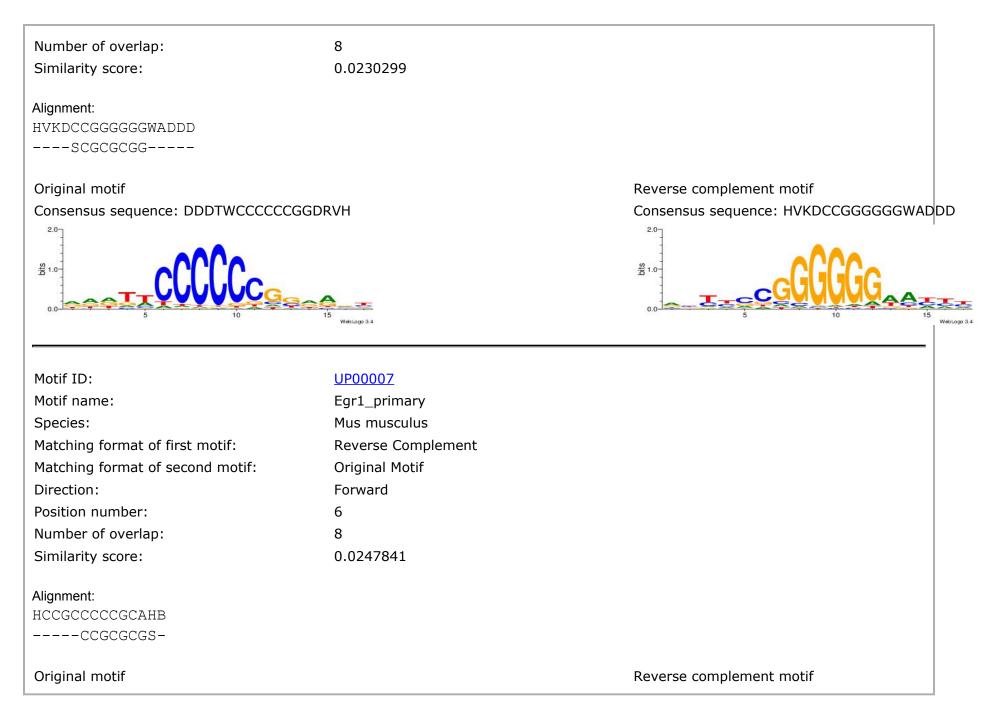


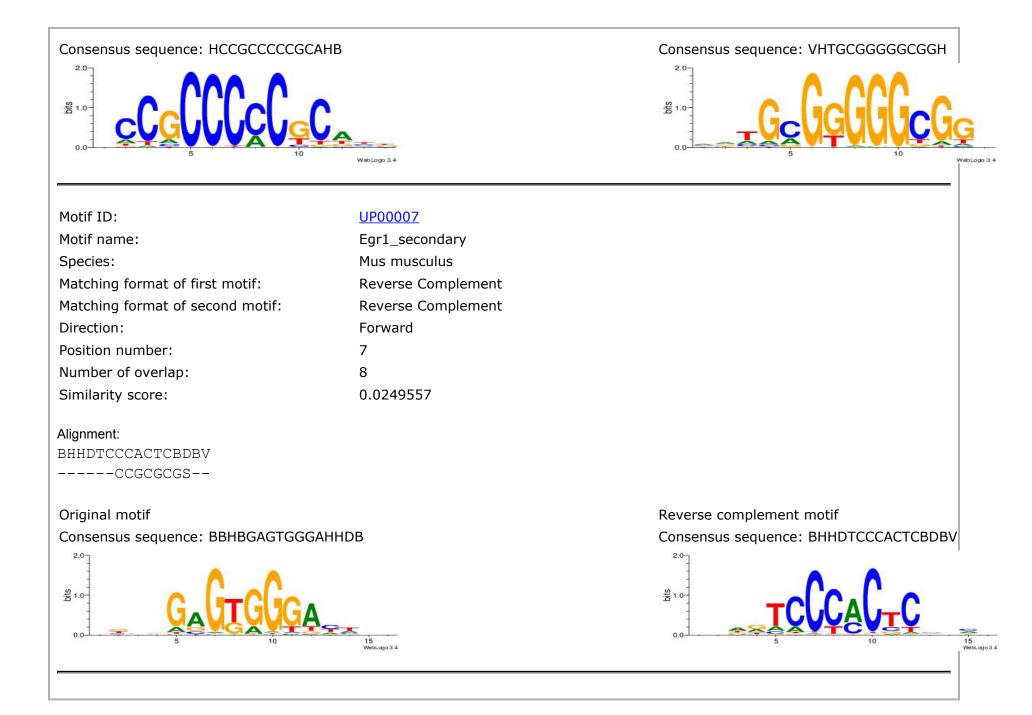
Reverse complement motif Consensus sequence: HHVGCGCGCCKTDHB

Motif ID:	<u>UP00065</u>		
Motif name:	Zfp161_primary		
Species:	Mus musculus		
Matching format of first motif:	Reverse Complement		
Matching format of second motif:	Original Motif		
Direction:	Backward		
Position number:	5		
Number of overlap:	8		
Similarity score:	0.00484534		
Alignment: DDGCGCGCGCCRCHYRD CCGCGCGS			
Original motif		Reverse complement motif	
Consensus sequence: DDGCGCGCGCRC	CHYRD	Consensus sequence: DMMDGMGCGCGCGC	HD

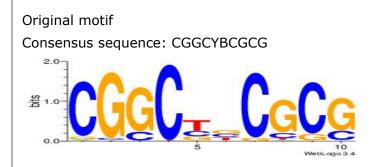








Dataset #: 1 Motif ID: 3 Motif name: TFW3

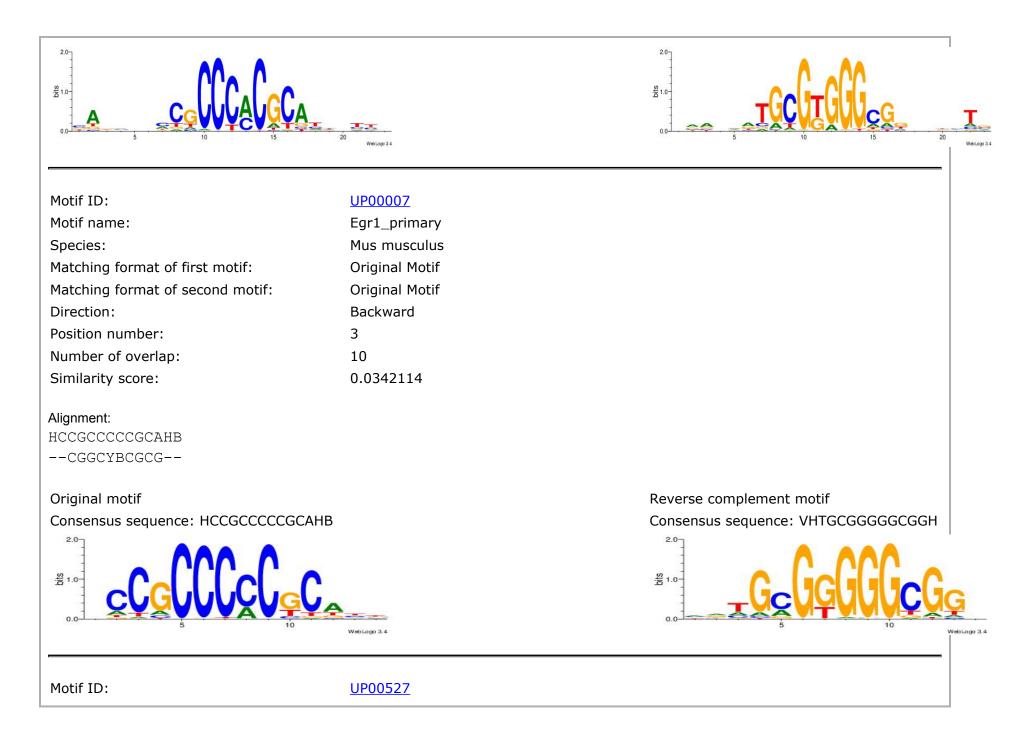


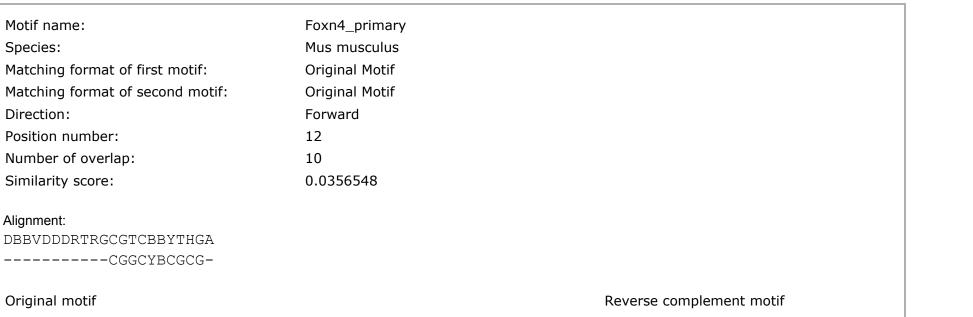


Best Matches for Motif ID 3 (Highest to Lowest)

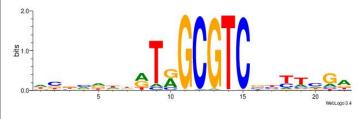
Motif ID:	<u>UP00400</u>
Motif name:	Zif268
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	7
Number of overlap:	10
Similarity score:	0.0331859
Alignment:	
VVVDHHTGCGYGGGCGDHVHHTB	
CGCGBMGCCG	

Original motif Consensus sequence: BADHBDHCGCCCMCGCAHHDBBV Reverse complement motif Consensus sequence: VVVDHHTGCGYGGGCGDHVHHTB

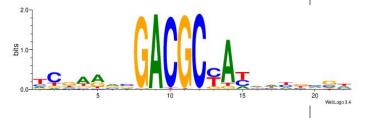




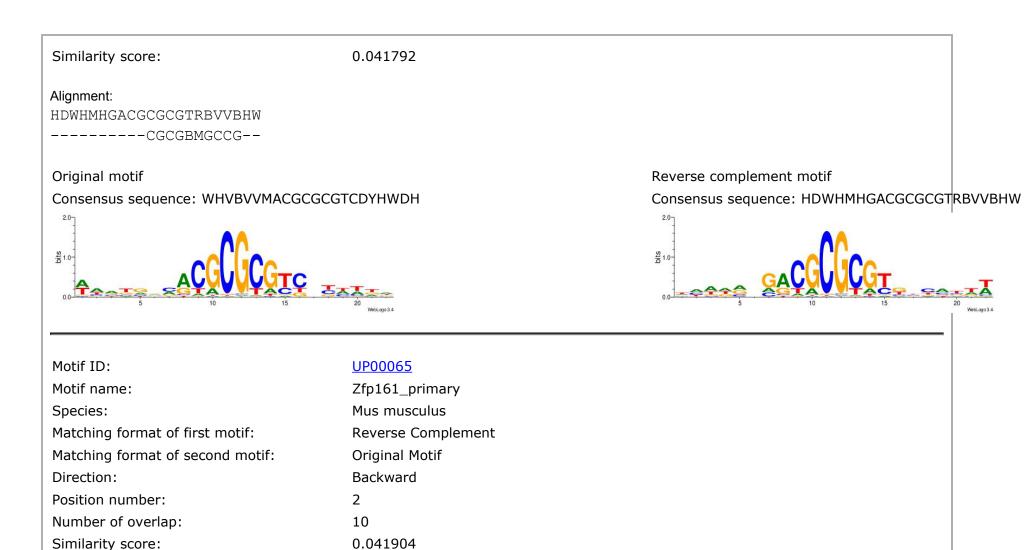




Consensus sequence: TCDAMVBGACGCMAKDDDVBBD

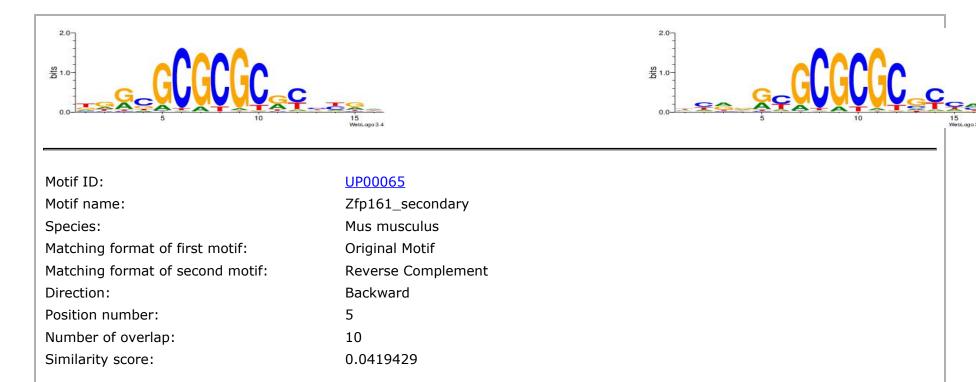


Motif ID:	<u>UP00526</u>	
Motif name:	Foxn1_primary	
Species:	Mus musculus	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Reverse Complement	
Direction:	Forward	
Position number:	11	
Number of overlap:	10	



Alignment: DDGCGCGCGCRCHYRD ----CGCGBMGCCG-

Original motif Consensus sequence: DDGCGCGCGCRCHYRD Reverse complement motif Consensus sequence: DMMDGMGCGCGCGCHD

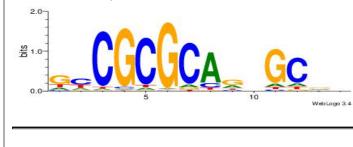


Alignment:

VVGCVMTGCGCGKC CGGCYBCGCG----

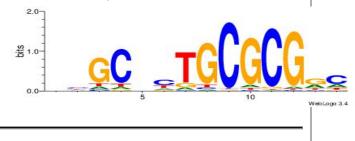
Original motif

Consensus sequence: GYCGCGCARBGCVB

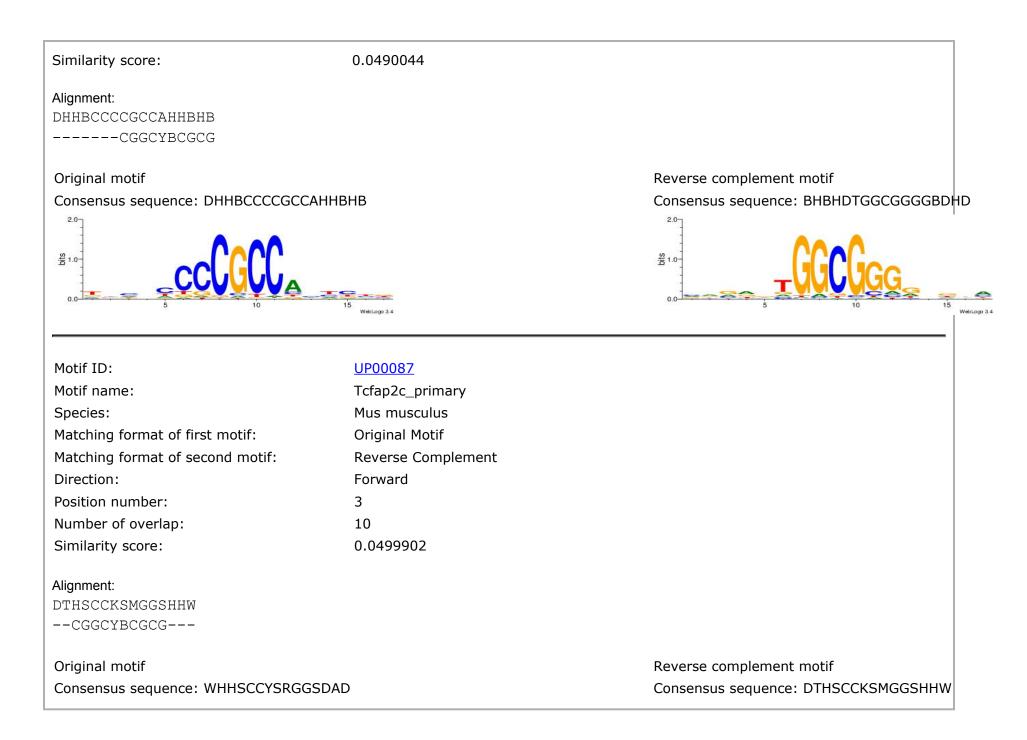


Reverse complement motif

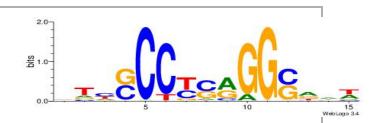
Consensus sequence: VVGCVMTGCGCGKC



Motif ID:	<u>UP00002</u>	
Motif name:	Sp4_secondary	
Species:	Mus musculus	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Original Motif	
Direction:	Backward	
Position number:	2	
Number of overlap:	10	
Similarity score:	0.0475178	
Alignment:		
BDWAGGCGTGBCHHD		
CGCGBMGCCG-		
Original motif		Reverse complement motif
Consensus sequence: BDWAGGCGTGB	CHHD	Consensus sequence: HHDGBCACGCCTWDB
	15 WebLogo 3.4	
Motif ID:	<u>UP00000</u>	
Motif name:	Smad3_secondary	
Species:	Mus musculus	
Matching format of first motif:	Original Motif	
Matching format of second motif:	Original Motif	
Direction:	Backward	
Position number:	1	
Number of overlap:	10	







Motif ID:	<u>UP00005</u>
Motif name:	Tcfap2a_primary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Reverse Complement
Direction:	Backward
Position number:	4
Number of overlap:	10
Similarity score:	0.0500462
Alignment: DTMSCCKSMGGSHDW CGGCYBCGCG	
Original motif	Reverse complement motif
Consensus sequence: WDHSCCYSRGGSRA	
	^{2.0} ¹⁵ ¹⁵ ¹⁵ ¹⁵ ¹⁶ ¹⁵ ¹⁶ ¹⁶ ¹⁶ ¹⁶ ¹⁶ ¹⁶ ¹⁶ ¹⁶
Dataset #: 1 Motif ID: 4	Motif name: TFF1

Original motif Consensus sequence: CGGVGCCGCVGC

Best Matches for Motif ID 4 (Highest to Lowest)

Motif ID:	<u>UP00003</u>
Motif name:	E2F3_secondary
Species:	Mus musculus
Matching format of first motif:	Original Motif
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	5
Number of overlap:	12
Similarity score:	0.0423593

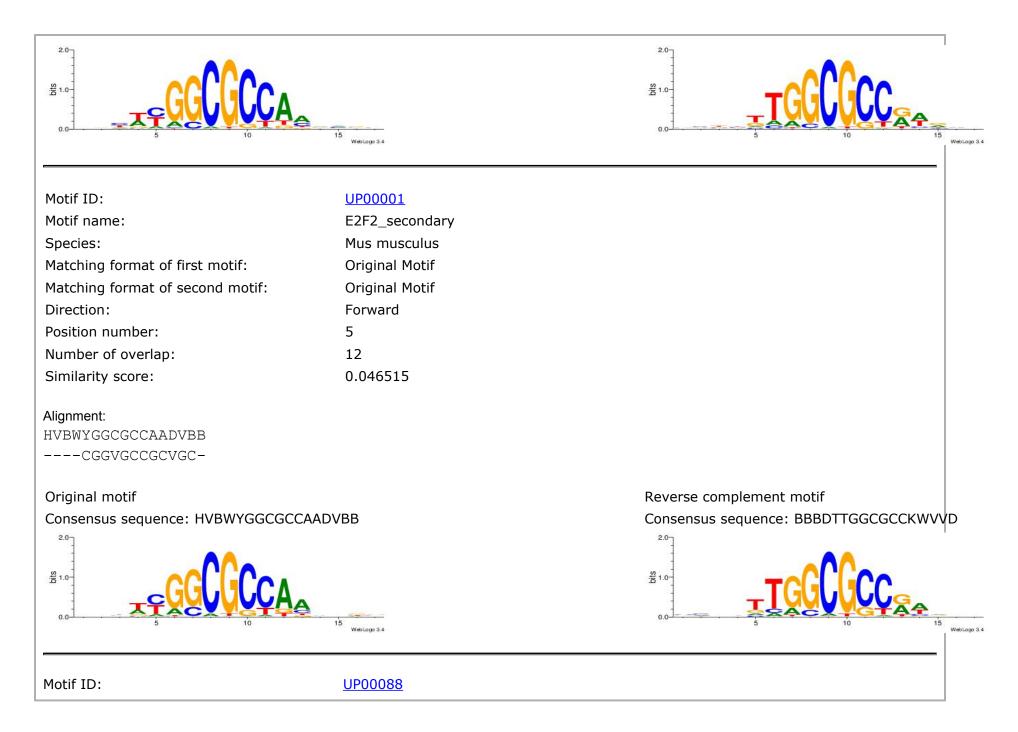
Alignment:

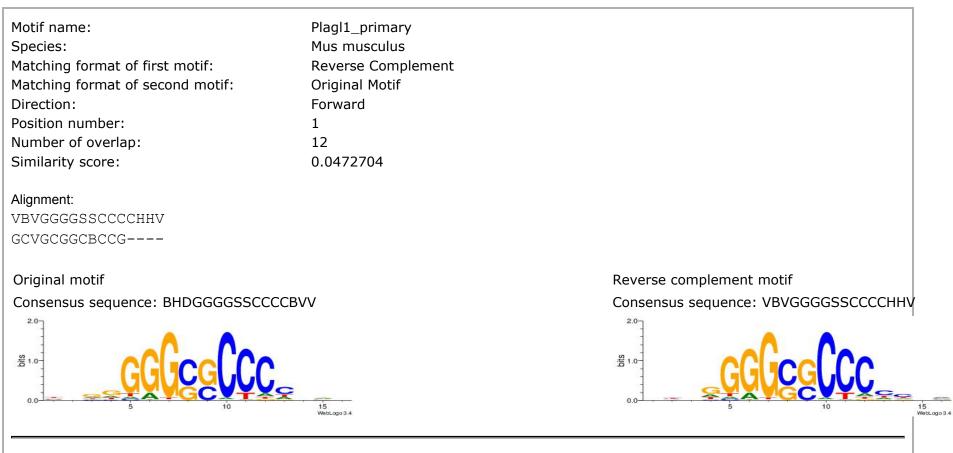
HBHWYGGCGCCAMDVBB

Original motif Consensus sequence: HBHWYGGCGCCAMDVBB Reverse complement motif Consensus sequence: BBBDYTGGCGCCKWDBD

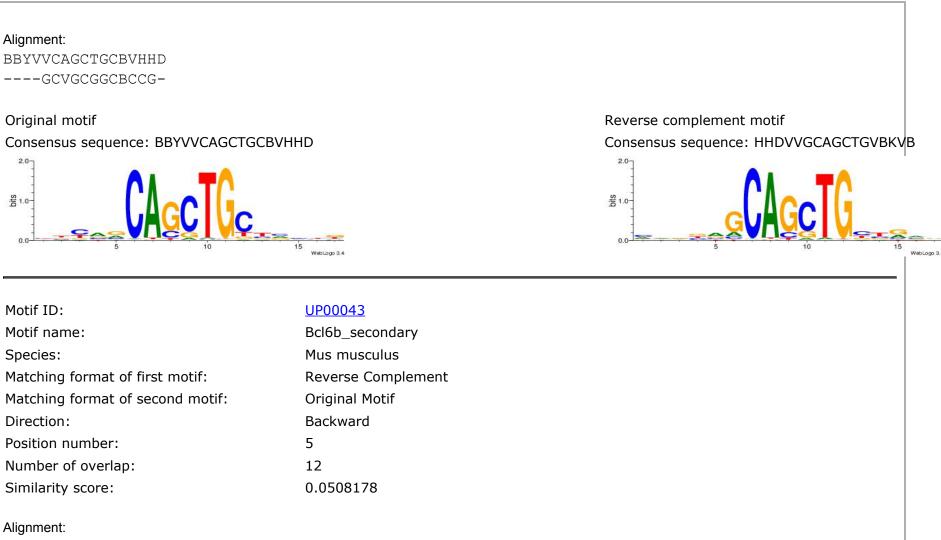
Consensus sequence: GCVGCGGCBCCG 2.0 St 1.0-WebLogo 3.4

Reverse complement motif





Motif ID:	<u>UP00099</u>
Motif name:	Ascl2_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	5
Number of overlap:	12
Similarity score:	0.0476914



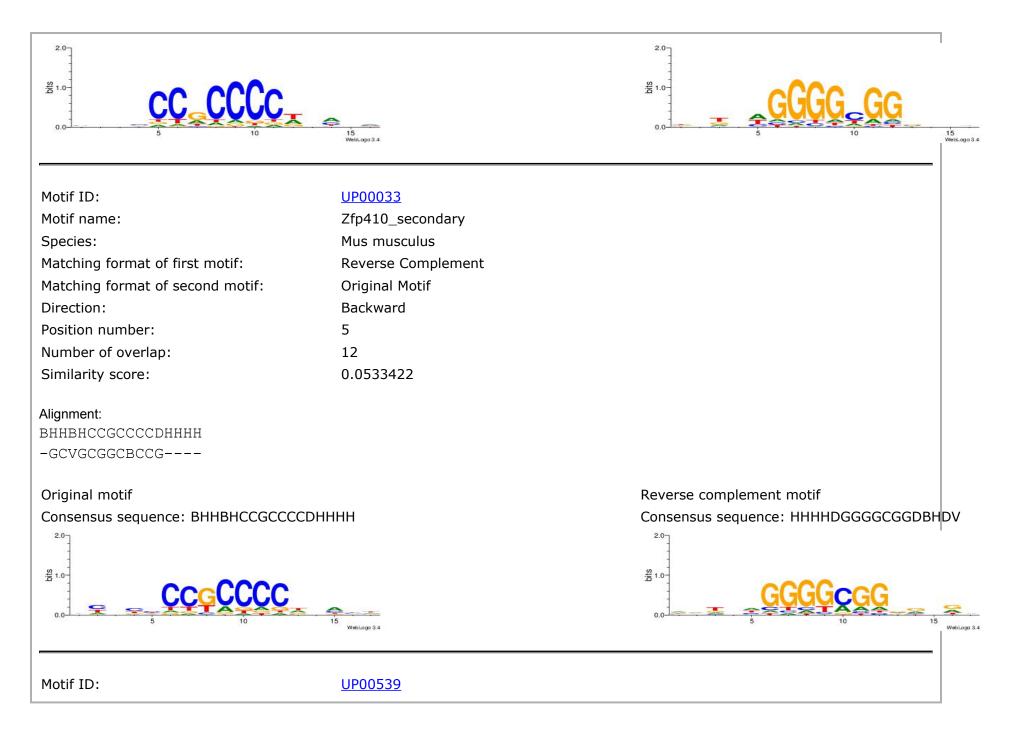
HBBBCCGCCCCWHHHV GCVGCGGCBCCG----

Original motif

Consensus sequence: HBBBCCGCCCCWHHHV

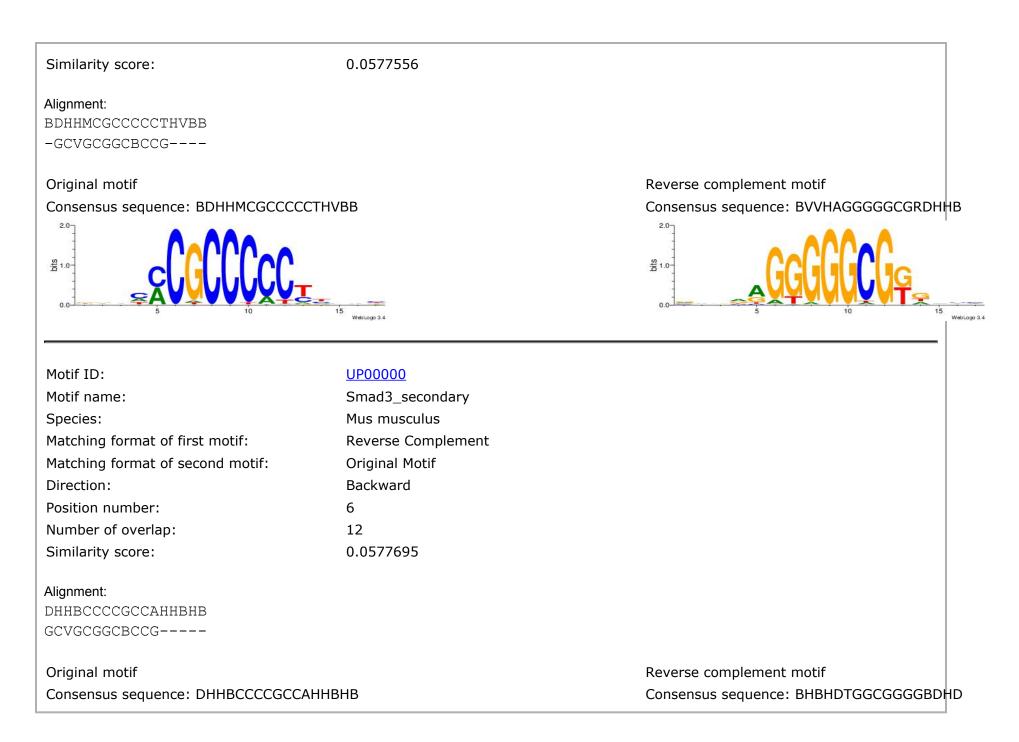
Reverse complement motif

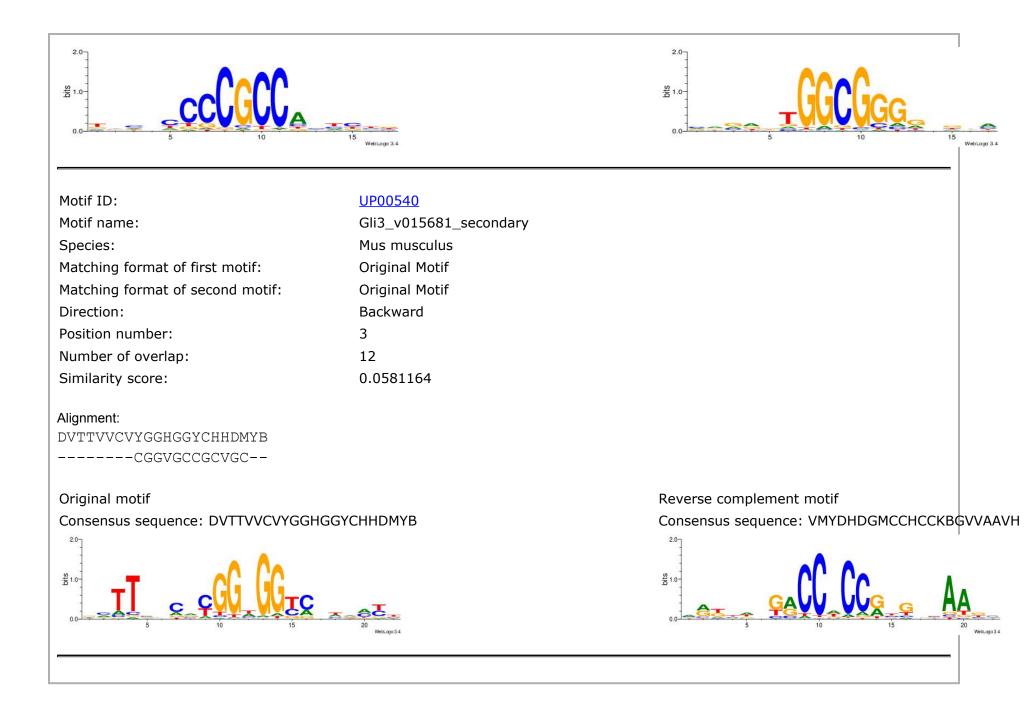
Consensus sequence: BHHHWGGGGGCGGBBVH



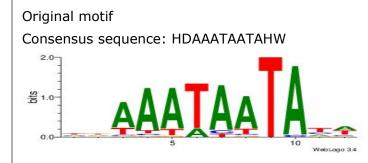
Motif name:	Gli2_v016060_secondary	
Species:	Mus musculus	
Matching format of first motif:	Original Motif	
Matching format of second motif:	Reverse Complement	
Direction:	Forward	
Position number:	9	
Number of overlap:	12	
Similarity score:	0.0561199	
Alignment: HDBABCGBKRGYGGCGMSBHAK CGGVGCCGCVGC		
Original motif		Reverse complement motif
Consensus sequence: RTHBSYCGCCMC	CMYVCGBTVDH	Consensus sequence: HDBABCGBKRGYGGCGMSBHAK
	20 VWEL-000-3.4	

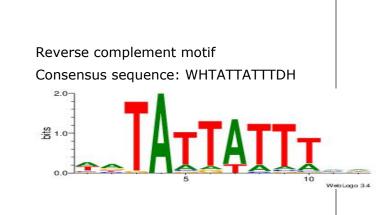
Motif ID:	<u>UP00002</u>
Motif name:	Sp4_primary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Original Motif
Direction:	Forward
Position number:	2
Number of overlap:	12





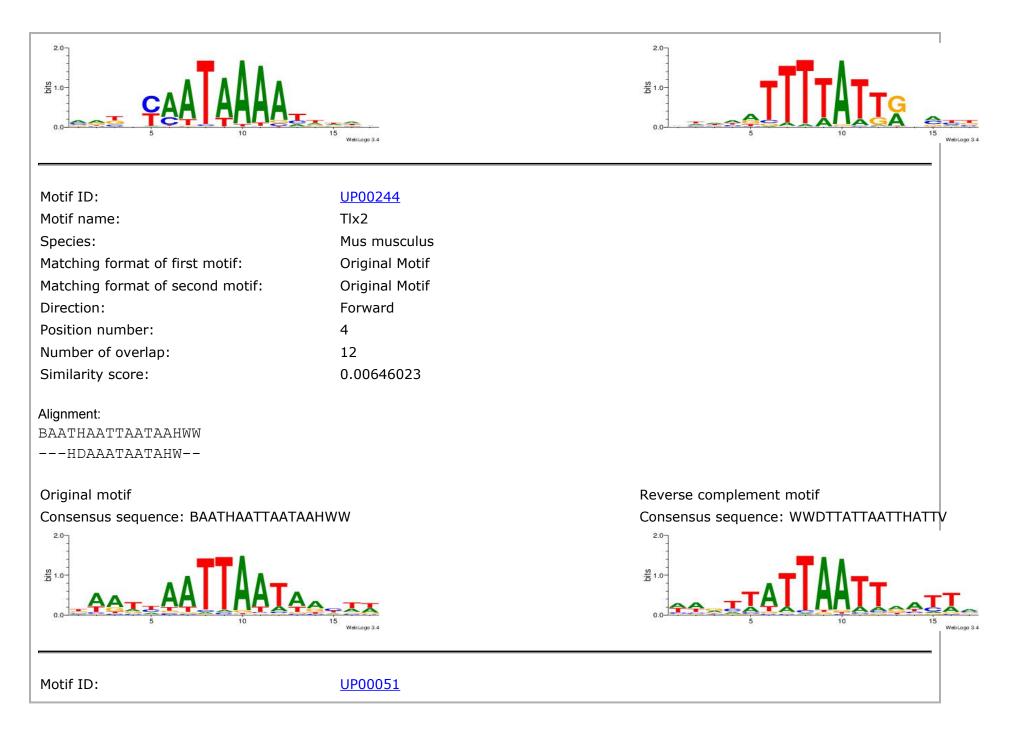
Dataset #: 2 Motif ID: 13 Motif name: tkAAATAATAtw





Best Matches for Motif ID 13 (Highest to Lowest)

Motif ID:	<u>UP00121</u>
Motif name:	Hoxd10
Species:	Mus musculus
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:	0.00353196
Alignment: HDDDATTTTATTKVRDB WHTATTATTTDH	
Original motif	Reverse complement motif
Consensus sequence: VDKVYAATAAAATDDE	DH Consensus sequence: HDDDATTTTATTKVRDB



Motif name:	Sox8_primary	
Species:	Mus musculus	
Matching format of first motif:	Original Motif	
Matching format of second motif:	Reverse Complement	
Direction:	Backward	
Position number:	4	
Number of overlap:	12	
Similarity score:	0.0120674	
Alignment:		
DDDHDAACAATWBATDD		
HDAAATAATAHW		
Original motif		Reverse complement motif
Consensus sequence: DDATBWATTGTTHHDDD		Consensus sequence: DDDHDAACAATWBATDD
	15 WebLogo 3.4	
Motif ID:	<u>UP00180</u>	
Motif name:	Hoxd13	
Species	Mus musculus	

Species:

Matching format of first motif:

Matching format of second motif:

Direction:

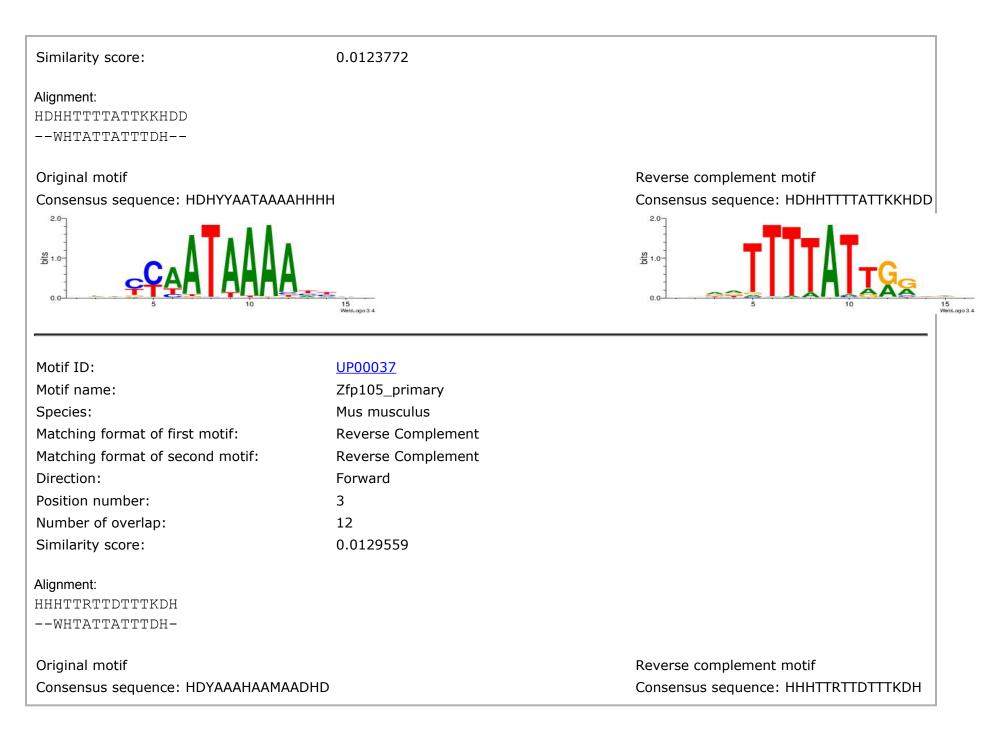
Position number:

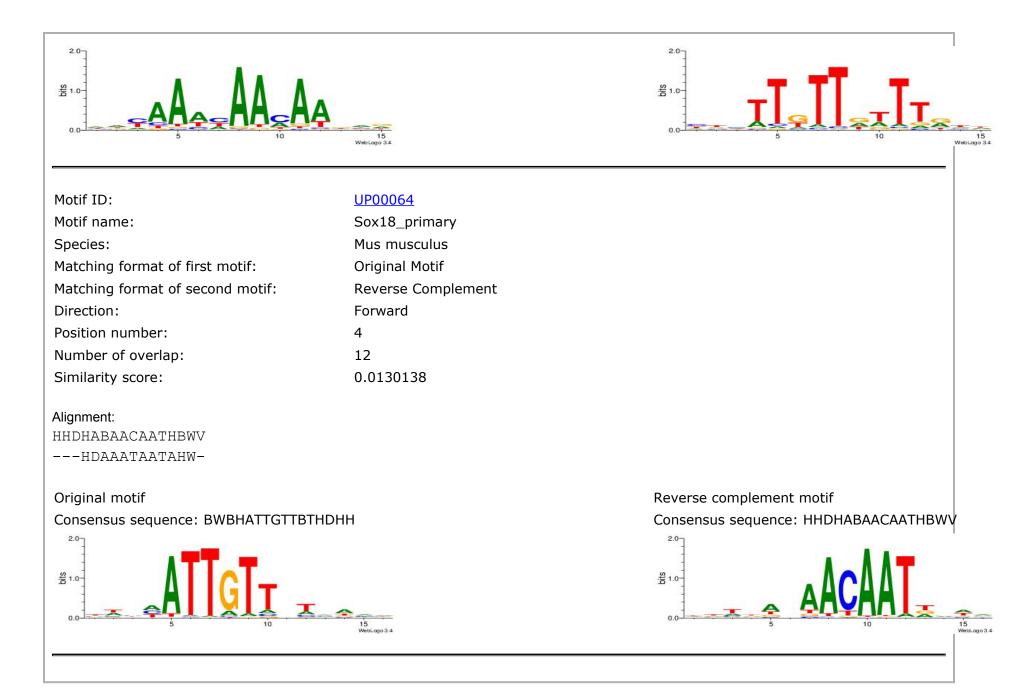
Number of overlap:

Hoxd13 Mus musculus Reverse Complement Reverse Complement Forward

3 12

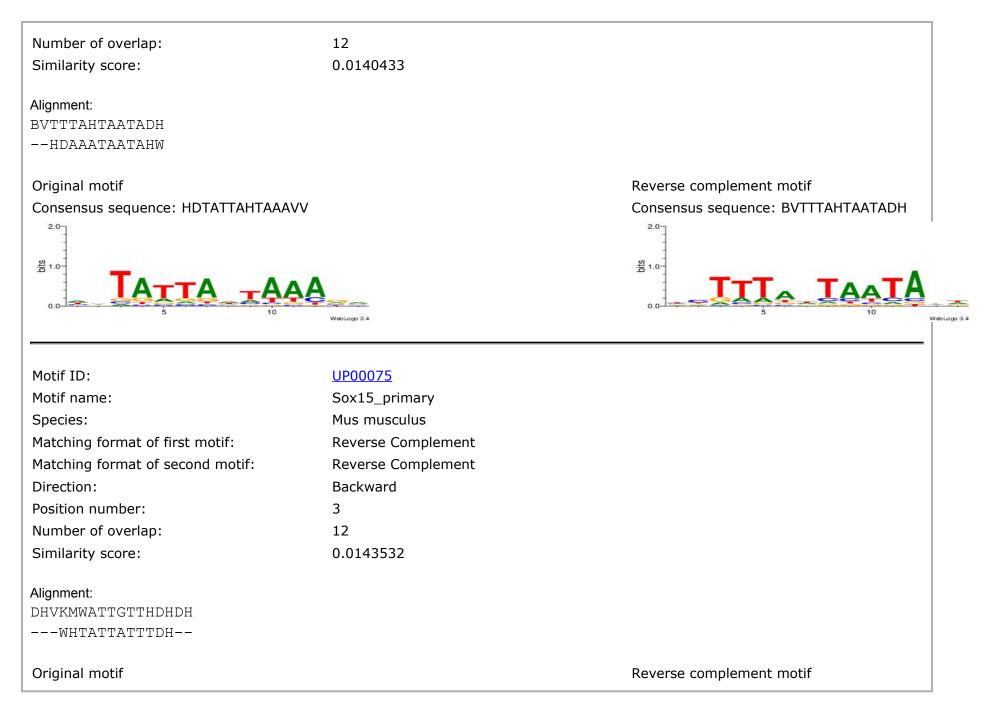
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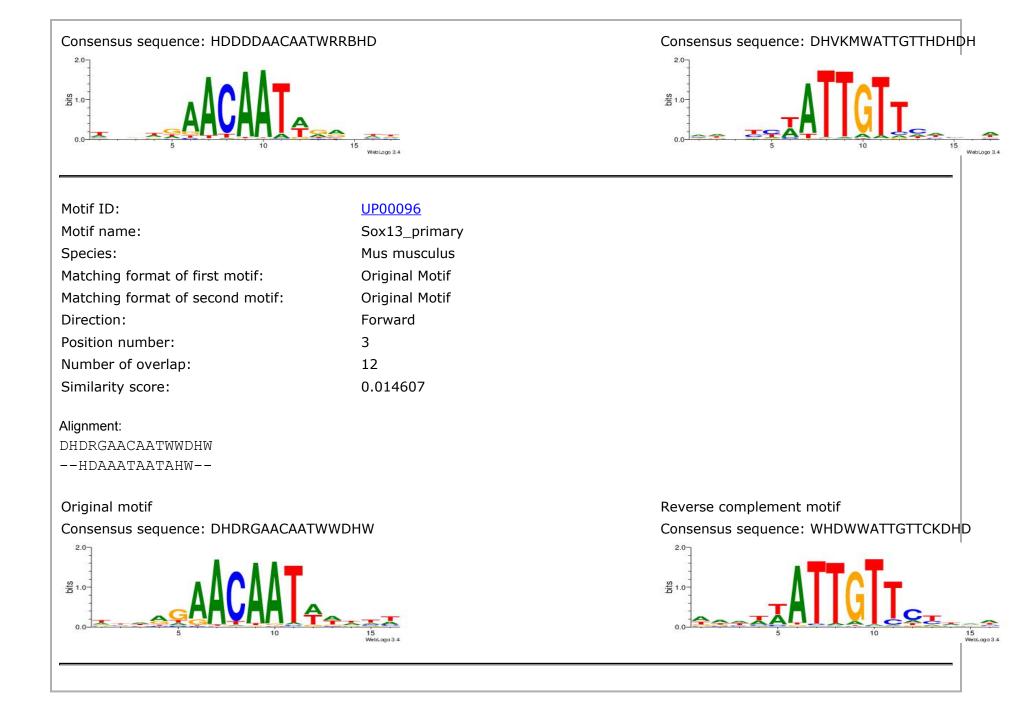




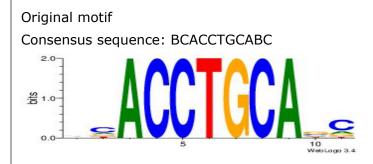
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Motif ID:	<u>UP00255</u>	
Motif name:	Dbx1	
Species:	Mus musculus	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Reverse Complement	
Direction:	Backward	
Position number:	4	
Number of overlap:	12	
Similarity score:	0.0131034	
Alignment: DHDBTAWTAATTHAKTH		
WHTATTATTTDH		
Original motif		Reverse complement motif
Consensus sequence: HARTHAATTAWT	AVDHD	Consensus sequence: DHDBTAWTAATTHAKT
2.0		2.0
ω.		vo
		≝1.0-
	15 WebLogo 3.4	
	15 WebLogo 3.4	
	15 WebLogo 3.4	
Motif ID:	Weblogb 3.4	
Motif ID: Motif name:	UP00024	
Motif ID: Motif name: Species:	UP00024 Glis2_secondary	
Motif ID: Motif name: Species: Matching format of first motif:	UP00024 Glis2_secondary Mus musculus	
Motif ID: Motif name: Species: Matching format of first motif: Matching format of second motif: Direction:	UP00024 Glis2_secondary Mus musculus Original Motif	





Dataset #: 2 Motif ID: 16 Motif name: kcACCTGCAgc





Motif ID: UP00070	
Motif name: Gcm1_primary	
Species: Mus musculus	
Matching format of first motif: Reverse Complement	
Matching format of second motif: Reverse Complement	
Direction: Forward	
Position number: 4	
Number of overlap: 11	
Similarity score: 0	
Alignment: DHDVATGCGGGTHVVH GBTGCAGGTGB	
Original motif	Reverse complement motif
-	Consensus sequence: DHDVATGCGGGTHVVH

10 WebLogo 3.4

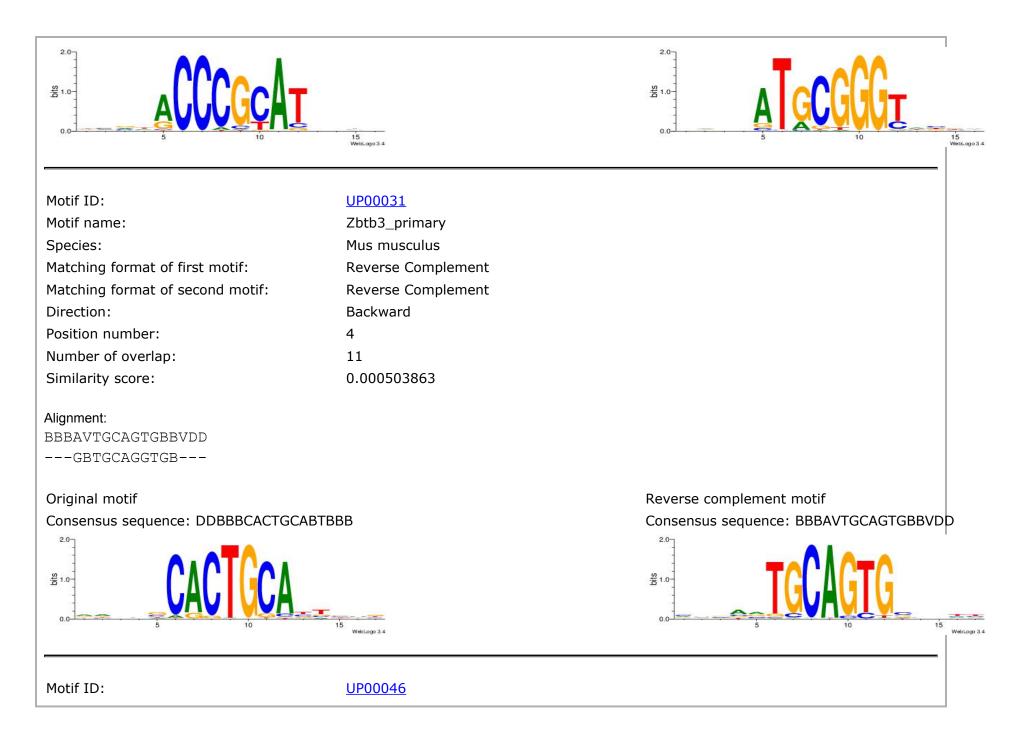
Reverse complement motif

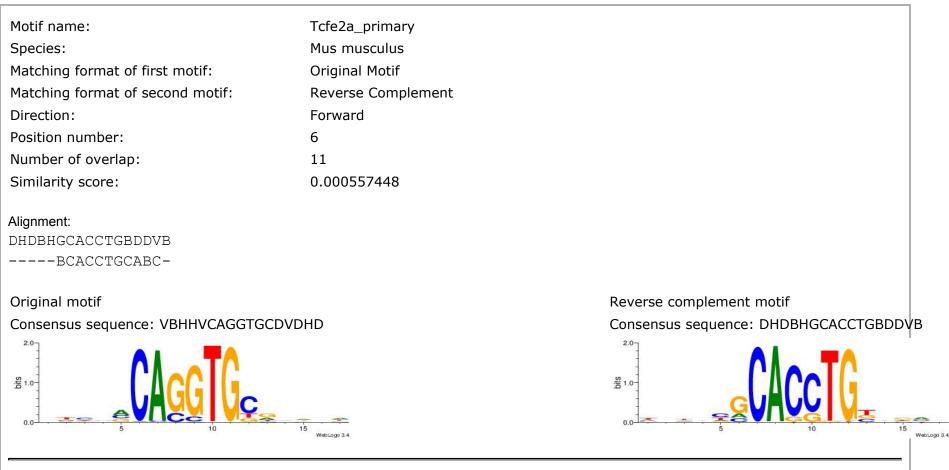
2.0

stig 1.0

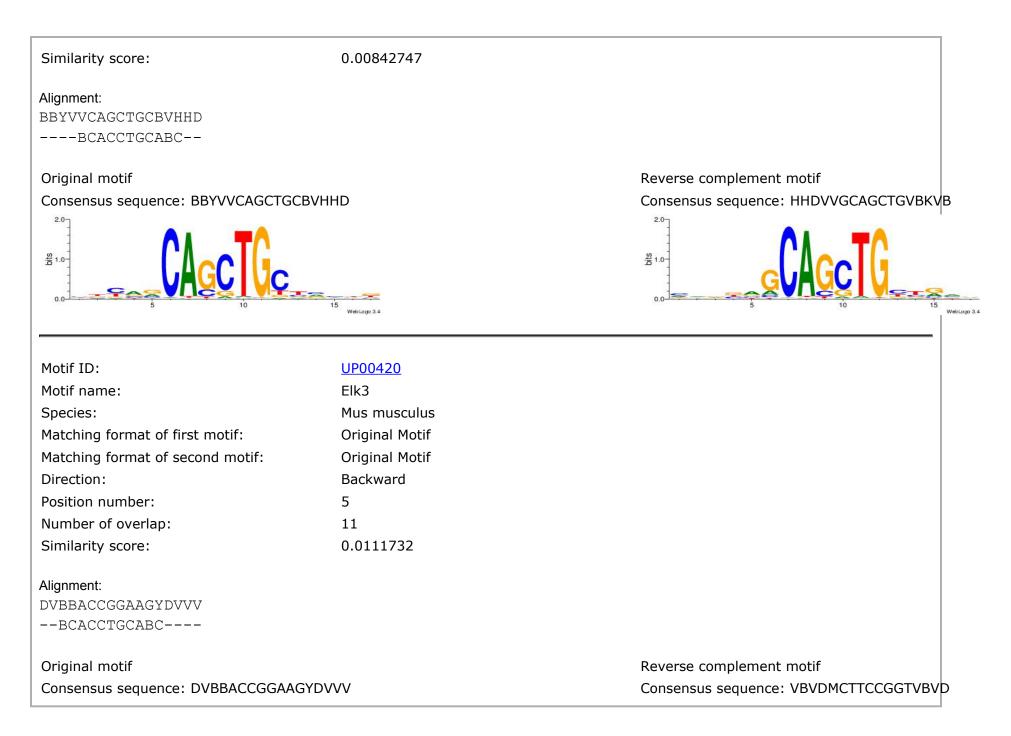
0.0

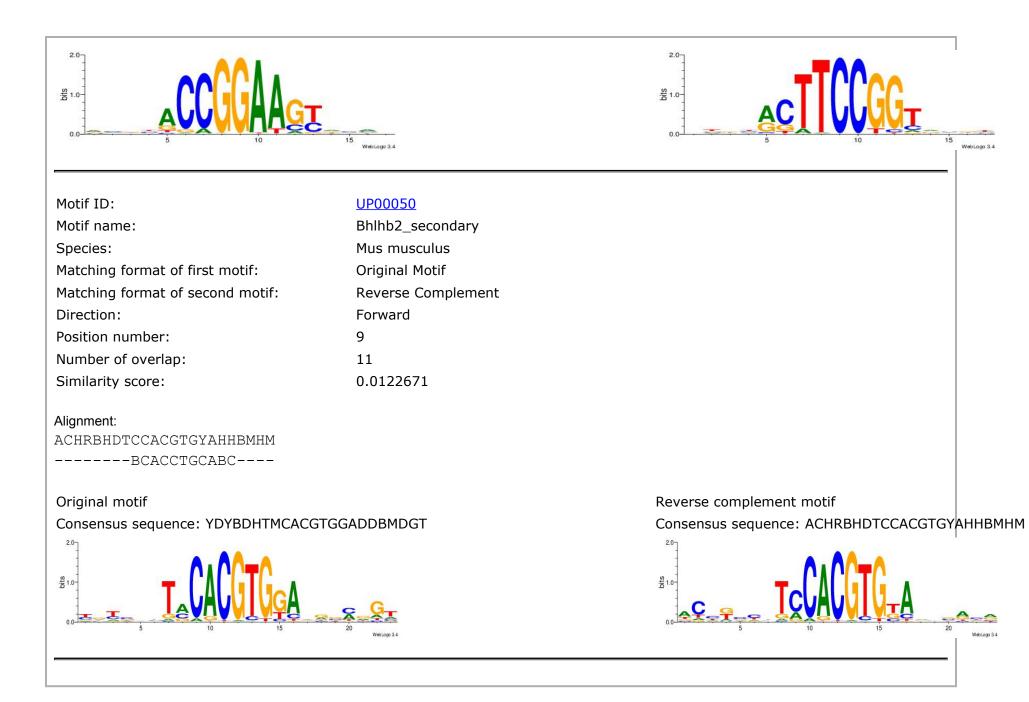
Consensus sequence: GBTGCAGGTGB

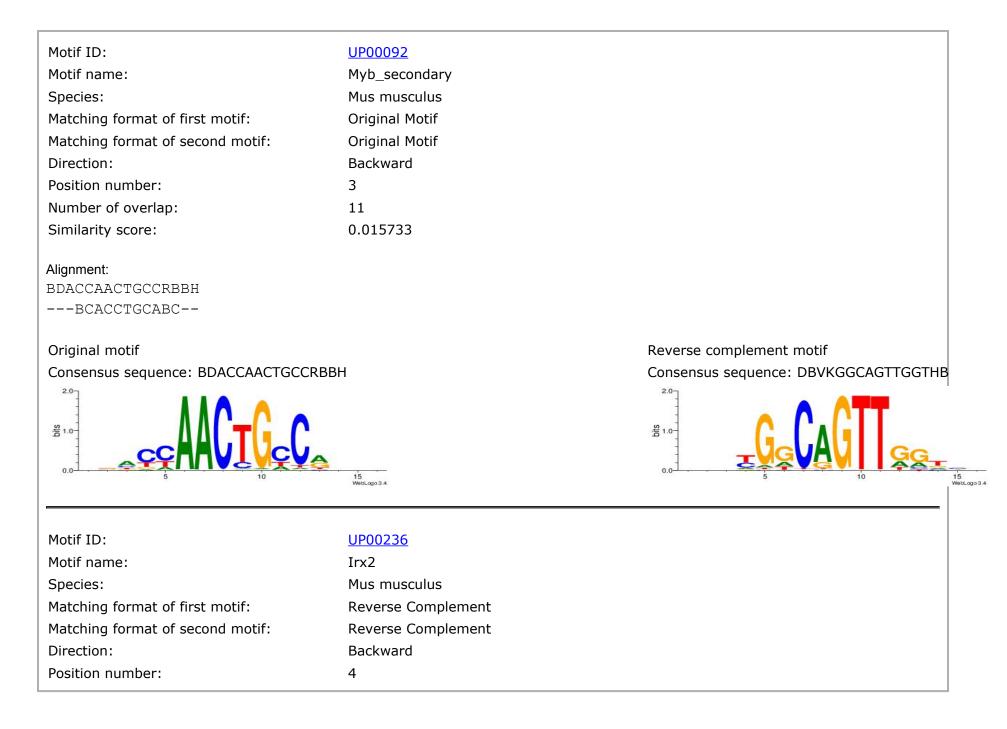


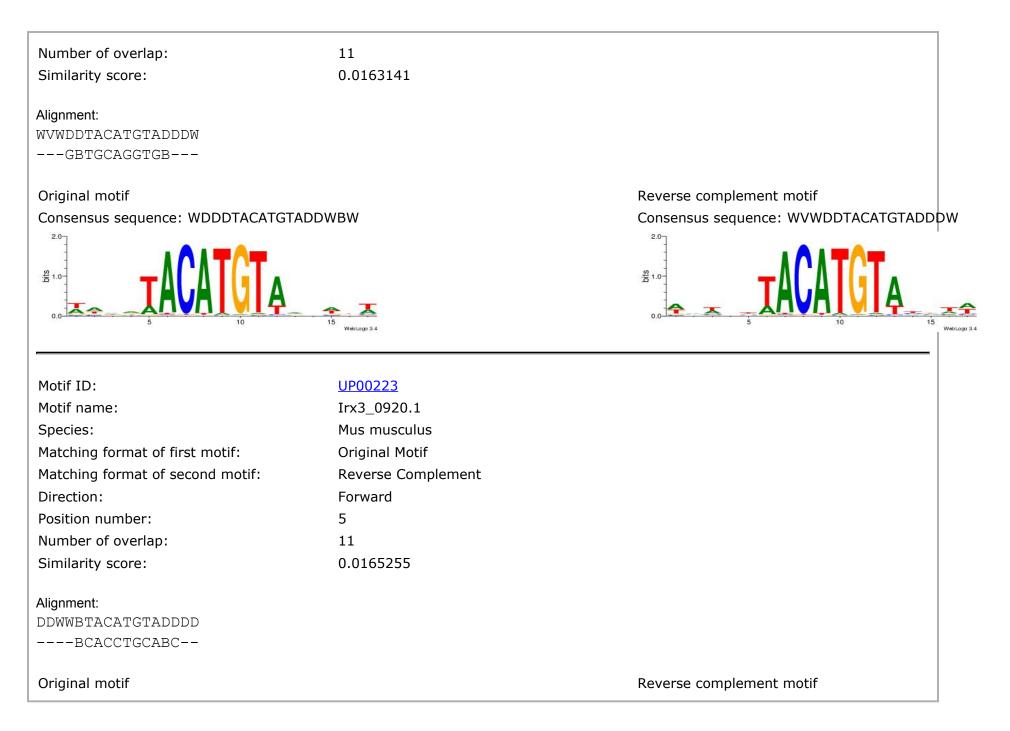


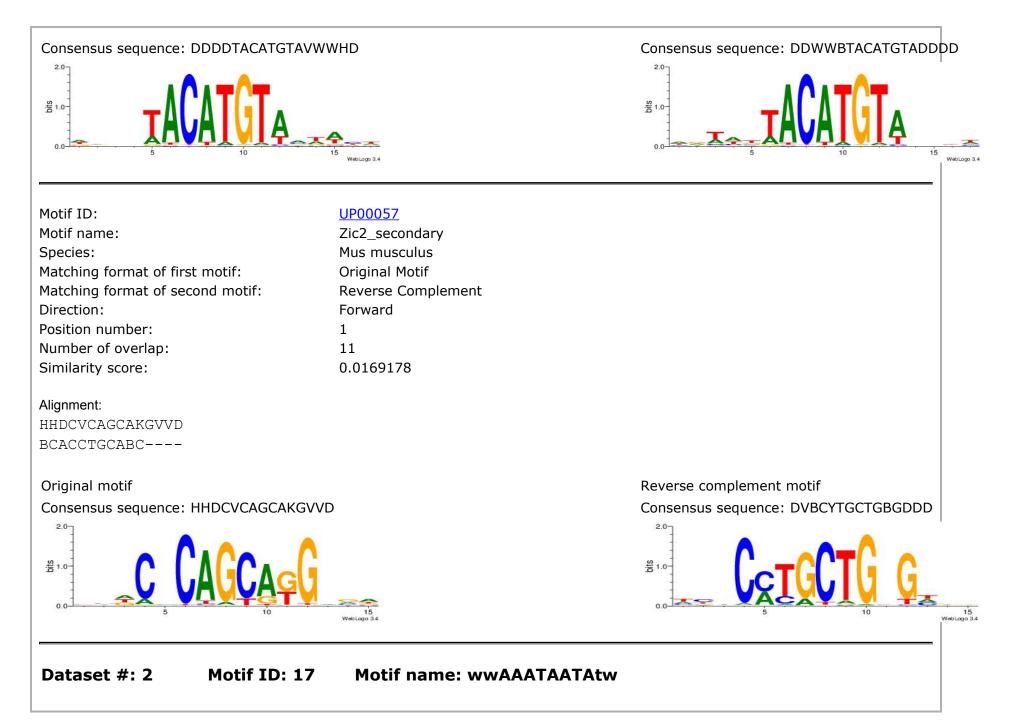
<u>UP00099</u>
Ascl2_primary
Mus musculus
Original Motif
Original Motif
Backward
3
11



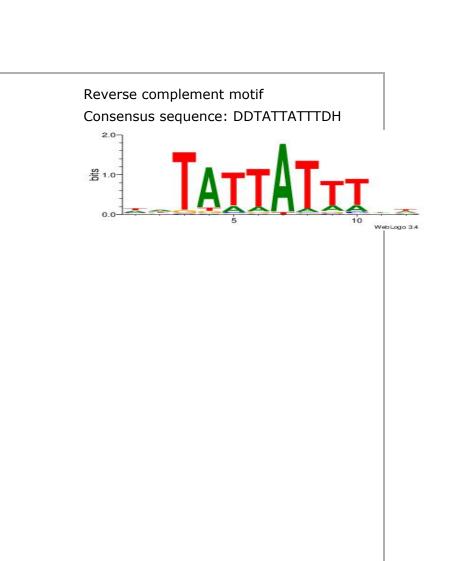








Original motif Consensus sequence: HDAAATAATADD



Best Matches for Motif ID 17 (Highest to Lowest)

UP00244

Backward

0.00576686

Mus musculus

Reverse Complement

Reverse Complement

Tlx2

4

12

Number of overlap: Similarity score:
Alignment: wwpmmammaammhammy
DDTATTATTTDH

Matching format of first motif:

Matching format of second motif:

Motif ID:

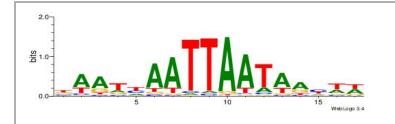
Species:

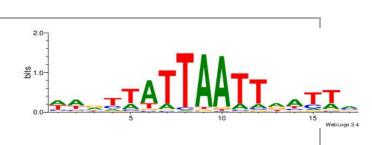
Direction:

Position number:

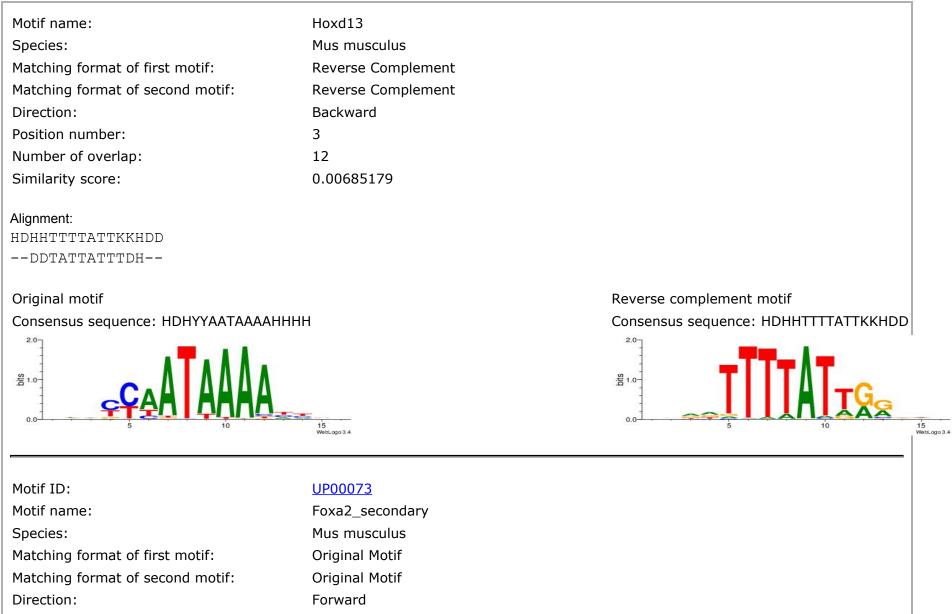
Motif name:

Original motif Consensus sequence: BAATHAATTAATAAHWW Reverse complement motif Consensus sequence: WWDTTATTAATTHATTV





Motif ID:	<u>UP00121</u>	
Motif name:	Hoxd10	
Species:	Mus musculus	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Reverse Complement	
Direction:	Forward	
Position number:	4	
Number of overlap:	12	
Similarity score:	0.00673636	
Alignment: HDDDATTTTATTKVRDB DDTATTATTTDH		
Original motif		Reverse complement motif
Consensus sequence: VDKVYAATAAAATDE	DH	Consensus sequence: HDDDATTTTATTKVRDB
	15 WebLogp 3.4	
Motif ID:	<u>UP00180</u>	



Position number:

Number of overlap:

1

12

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Similarity score:

0.0108327

Alignment: VVDAATAACAAAVVB HDAAATAATADD---

Original motif

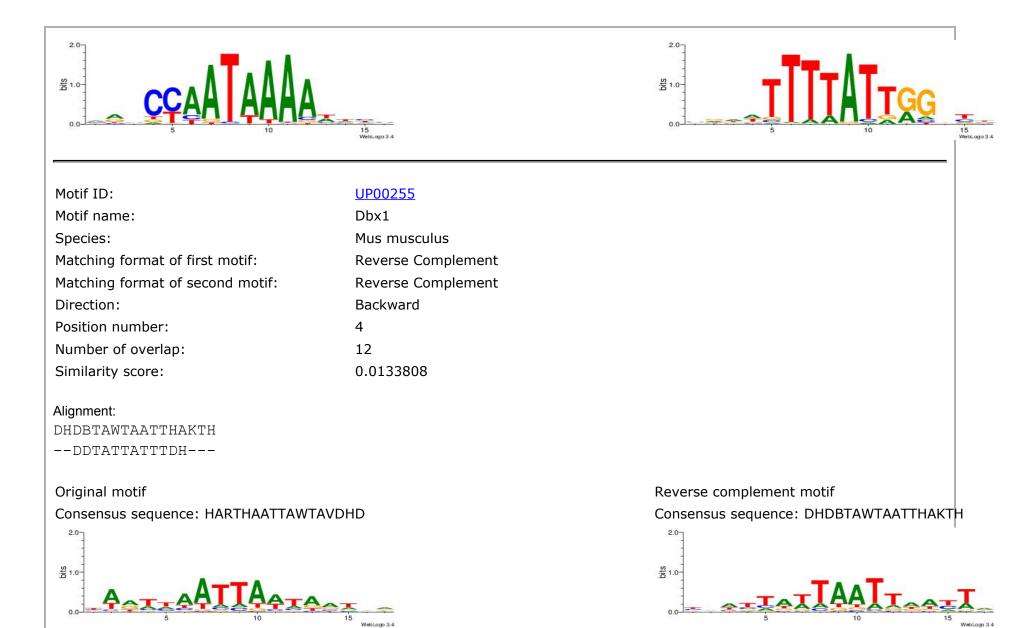
Consensus sequence: VVDAATAACAAAVVB

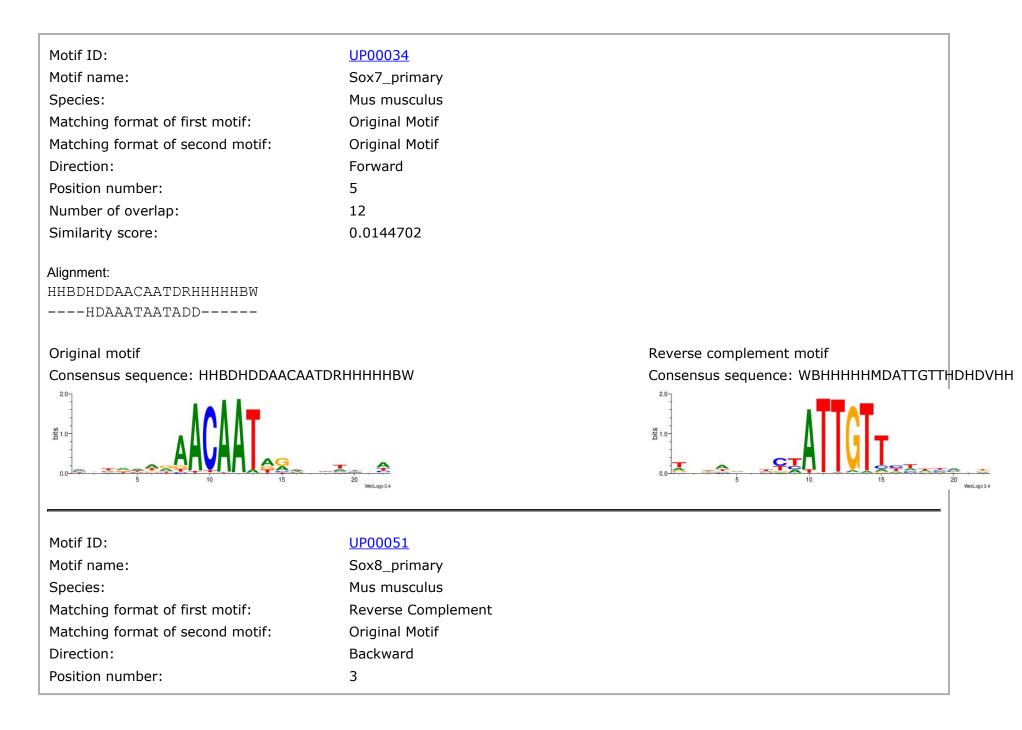


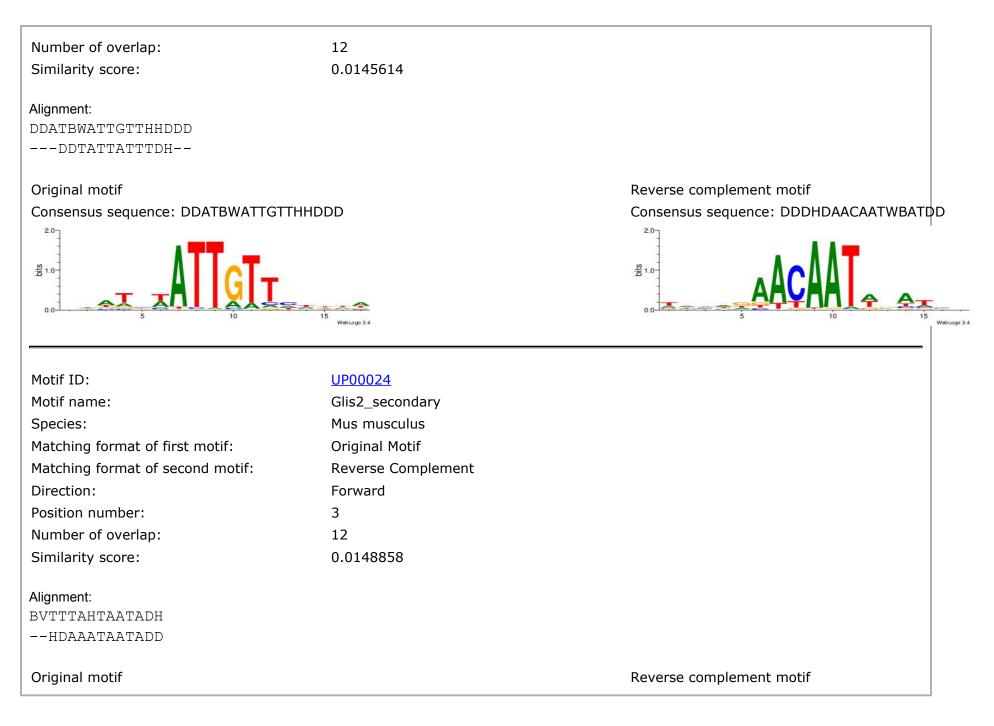
Reverse complement motif Consensus sequence: BVVTTTGTTATTDBB

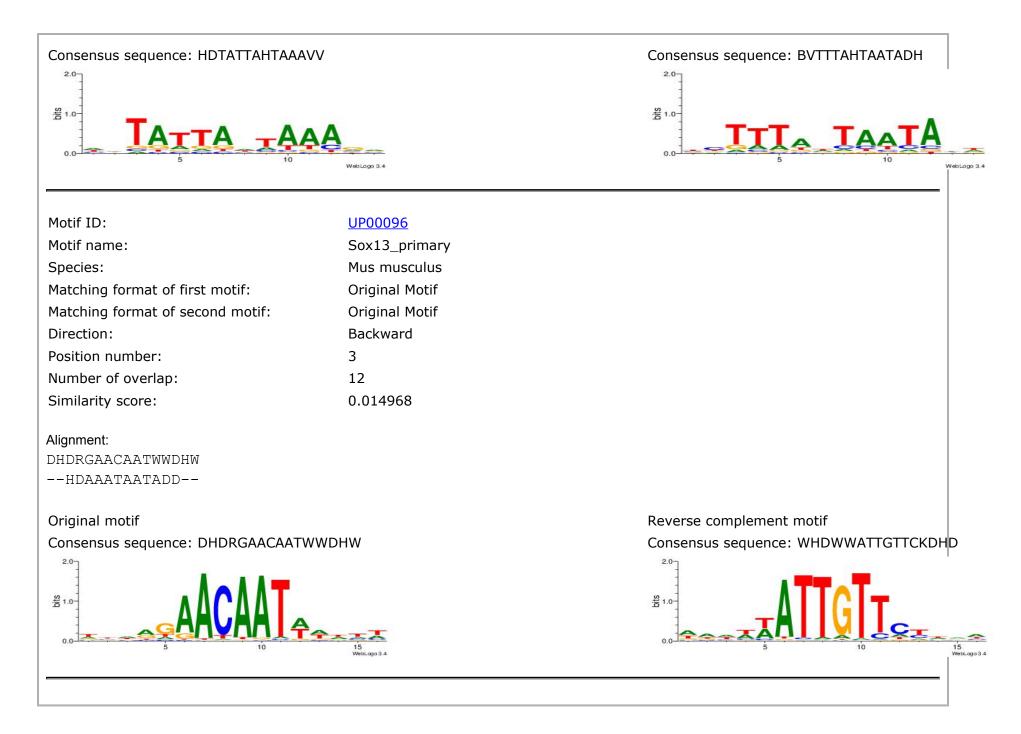


Motif ID:	<u>UP00134</u>	
Motif name:	Hoxb13	
Species:	Mus musculus	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Reverse Complement	
Direction:	Backward	
Position number:	3	
Number of overlap:	12	
Similarity score:	0.0121723	
Alignment:		
VDHWTTTTATTGGDKB		
DDTATTATTTDH		
Original motif		Reverse complement motif
Consensus sequence: VRHCCAATAAA	AWHHV	Consensus sequence: VDHWTTTTATTGGDKB

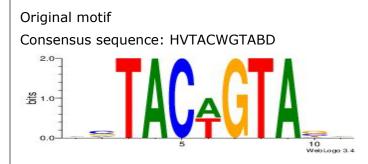


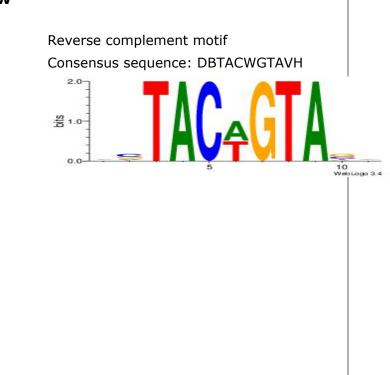






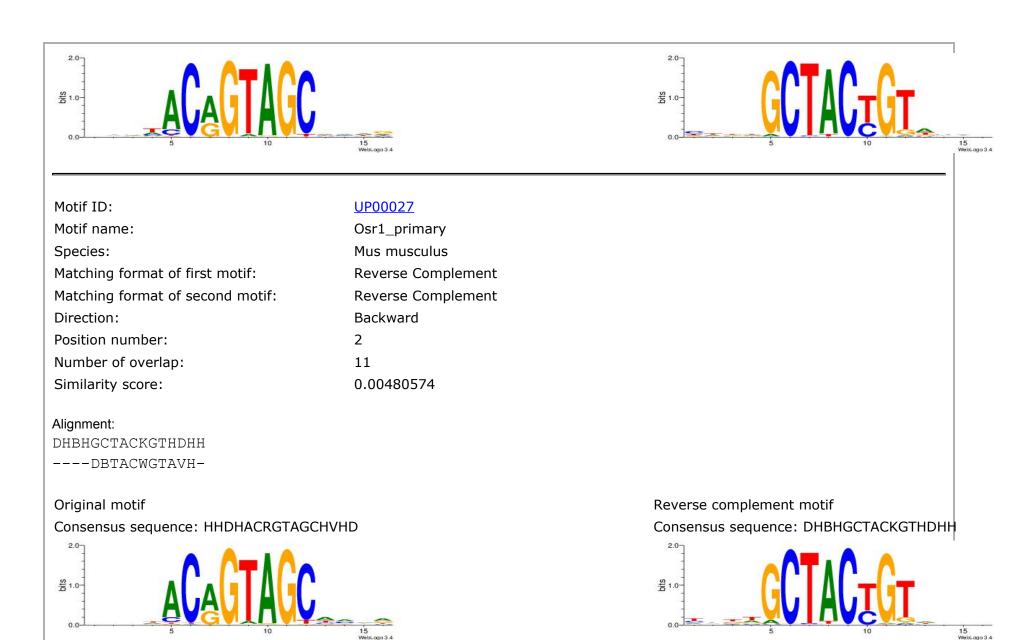
Dataset #: 2 Motif ID: 19 Motif name: wsTACwGTAsw





Best Matches for Motif ID 19 (Highest to Lowest)

Motif ID:	<u>UP00052</u>		
Motif name:	Osr2_primary		
Species:	Mus musculus		
Matching format of first motif:	Reverse Complement		
Matching format of second motif:	Reverse Complement		
Direction:	Backward		
Position number:	2		
Number of overlap:	11		
Similarity score:	0		
Alignment: HHHHGCTACKGTHVHH DBTACWGTAVH-			
Original motif Consensus sequence: HHVHACRGTAGCHHF	D	Reverse complement motif Consensus sequence: HHHHGCTACKGTHVHH	



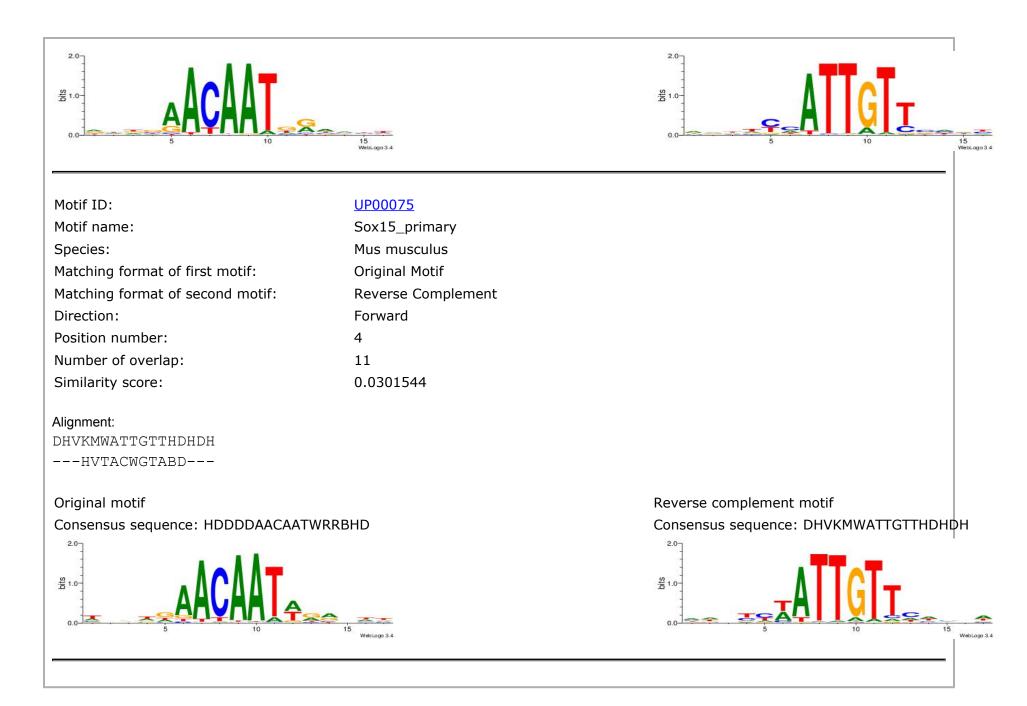
UP00031

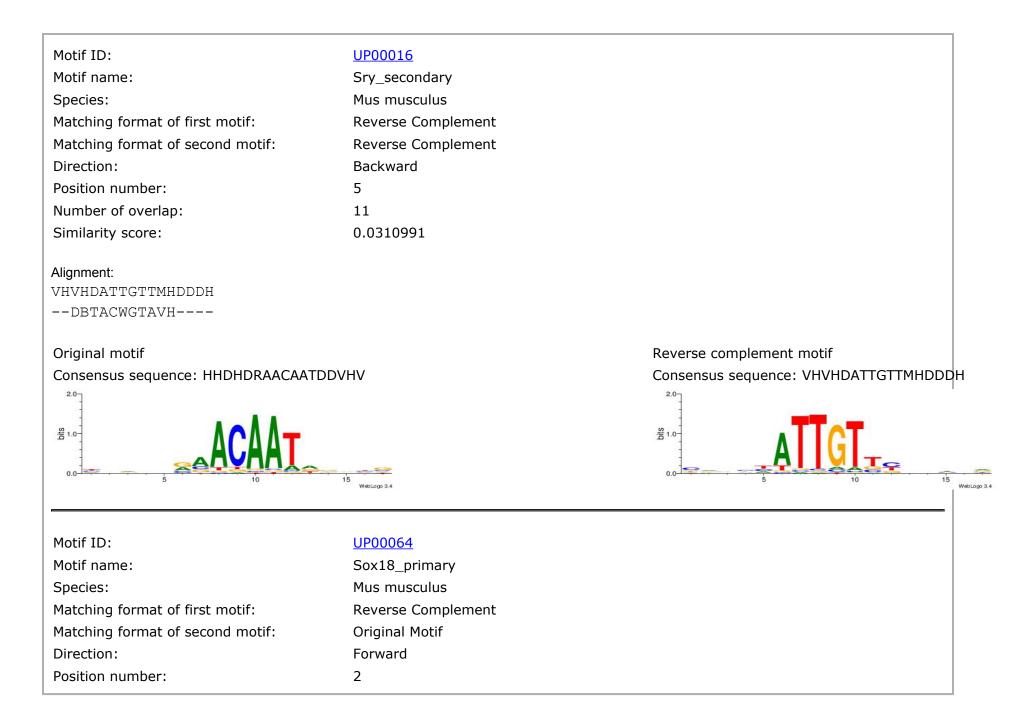
Motif ID:

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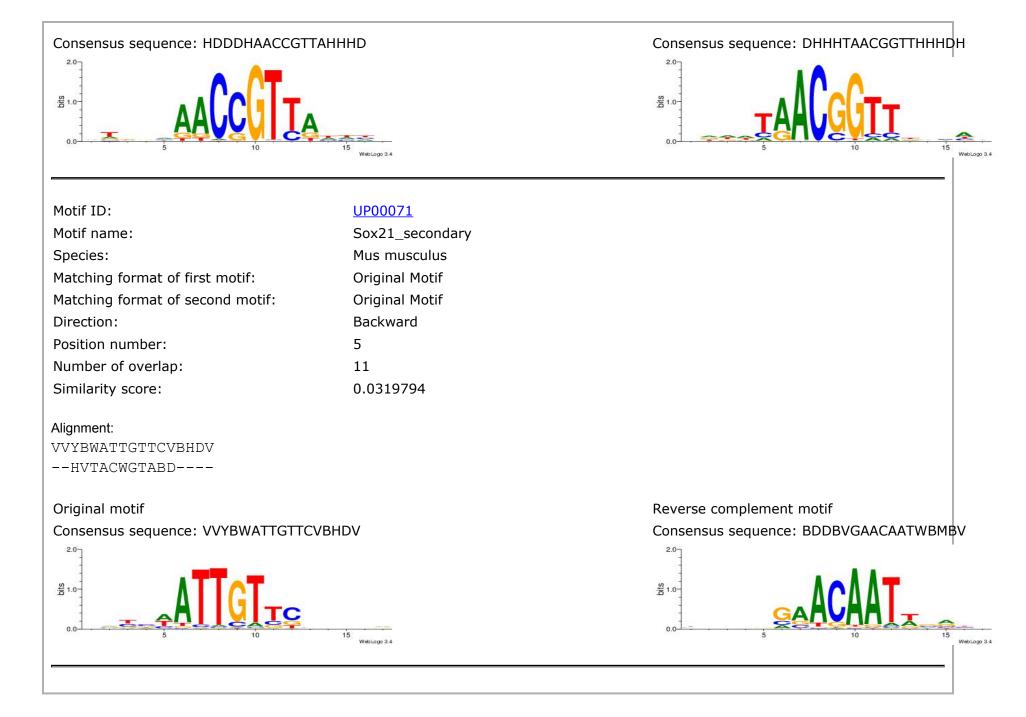
Species: Mus musculus Matching format of first motif: Original Motif Matching format of second motif: Reverse Complement Direction: Backward Position number: 4 Number of overlap: 11 Similarity score: 0.0165381 Nignment: BBBAVTGCAGTGBBVDD HVTACWGTABD Original motif Consensus sequence: DDBBBCACTGCABTBBB Consensus sequence: BBBAVTGCAGTGBBVDD HVTACWGTABD Original motif Consensus sequence: BBBAVTGCAGTGBBVDD HVTACWGTABD Original motif Consensus sequence: SBBAVTGCAGTGBBVDD HVTACWGTABD Motif ID: UP00034 Motif name: Sox7_primary Species: Mus musculus Matching format of first motif: Reverse Complement Mus musculus Matching format of second motif: Original Motif Direction: Backward			
Matching format of first motif: Original Motif Matching format of second motif: Reverse Complement Direction: Backward Position number: 4 Number of overlap: 11 Similarity score: 0.0165381 Nignment: BBAVTGCAGTGBBVDD HVTACWGTABD Reverse complement motif Consensus sequence: DDBBBCACTGCAGTGBBVBB Consensus sequence: DDBBBCACTGCAGTGBBVDD HVTACWGTABD 0 Original motif Reverse complement motif Consensus sequence: DDBBBCACTGCAGTGBBVDD HVTACWGTABD Consensus sequence: Bage/Tige: Bage/Tige: Motif ID: UP00034 Motif name: Sox7_primary Species: Mus musculus Matching format of first motif: Reverse complement Motif ing format of second motif: Original Motif Direction: Backward Position number: 7	Motif name:	Zbtb3_primary	
Matching format of second motif: Reverse Complement Direction: Backward Position number: 4 Number of overlap: 11 Similarity score: 0.0165381 Nignment: BBBAVTGCAGTGBBVDDHVTACWGTABD Original motif Consensus sequence: DDBBBCACTGCABTBBB Consensus sequence: BBBAVTGCAGTGBBVDD	Species:	Mus musculus	
Direction: Backward Position number: 4 Number of overlap: 11 Similarity score: 0.0165381 Nignment: BBBAVTGCAGTGBBVDD HVTACWGTABD Original motif Consensus sequence: DDBBBCACTGCABTBBB Consensus sequence: BBBAVTGCAGTGBBVDD 	Matching format of first motif:	Original Motif	
Position number: 4 Number of overlap: 11 Similarity score: 0.0165381 Nignment: BBBAYTGCAGTGGBBVDD HVTACWGTABD Original motif Consensus sequence: DDBBBCACTGCABTBBB Consensus sequence: BBBAYTGCAGTGBBVDD	Matching format of second motif:	Reverse Complement	
Number of overlap: 11 Similarity score: 0.0165381 Nignment: BBBAVTGCAGTGBBVDD HVTACWGTABD Original motif Consensus sequence: DDBBBCACTGCABTBBB Consensus sequence: BBBAVTGCAGTGBBVDD	Direction:	Backward	
Similarity score: 0.0165381 Nignment: BBBAVTGCAGTGBBVDD HVTACWGTABD Original motif Consensus sequence: DDBBBCACTGCABTBBB	Position number:	4	
Nigment: BBBAVTGCAGTGBBVDD HVTACWGTABD Original motif Consensus sequence: DDBBBCACTGCABTBBB CONSENSUS sequence: BBBAVTGCAGTGBBVDD	Number of overlap:	11	
BBBAVTGCAGTGBBVDD HVTACWGTABD Original motif Consensus sequence: DDBBBCACTGCABTBBB	Similarity score:	0.0165381	
HVTACWGTABD Original motif Consensus sequence: DDBBBCACTGCABTBBB	Alignment:		
Original motif Consensus sequence: DDBBBCACTGCABTBBB	BBBAVTGCAGTGBBVDD		
Consensus sequence: DDBBBCACTGCABTBBB Consensus sequence: BBBAVTGCAGTGBBVDD	HVTACWGTABD		
20 20 <td< td=""><td>Original motif</td><td></td><td>Reverse complement motif</td></td<>	Original motif		Reverse complement motif
g g	Consensus sequence: DDBBBCACTGC/	АВТВВВ	Consensus sequence: BBBAVTGCAGTGBBVDC
Motif name:Sox7_primarySpecies:Mus musculusMatching format of first motif:Reverse ComplementMatching format of second motif:Original MotifDirection:BackwardPosition number:7		15 WebLogo 3.4	E 1.0 0.0 5 5 10 10 10 15
Species:Mus musculusMatching format of first motif:Reverse ComplementMatching format of second motif:Original MotifDirection:BackwardPosition number:7	Motif ID:	<u>UP00034</u>	
Matching format of first motif:Reverse ComplementMatching format of second motif:Original MotifDirection:BackwardPosition number:7	Motif name:	Sox7_primary	
Matching format of second motif:Original MotifDirection:BackwardPosition number:7	Species:	Mus musculus	
Direction: Backward Position number: 7	Matching format of first motif:	Reverse Complement	
Position number: 7	Matching format of second motif:	Original Motif	
	Direction:	Backward	
Number of overlap: 11	Position number:		
		7	



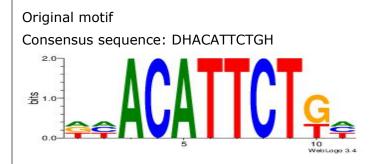




Number of overlap:	11	
Similarity score:	0.031364	
Alignment : BWBHATTGTTBTHDHH -DBTACWGTAVH		
Original motif		Reverse complement motif
Consensus sequence: BWBHATTGTTB1	ГНДНН	Consensus sequence: HHDHABAACAATHBWV
	15 WebLogo 3.4	
Motif ID:	<u>UP00092</u>	
Motif name:	Myb_primary	
Species:	Mus musculus	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Original Motif	
Direction:	Backward	
Position number:	4	
Number of overlap:	11	
Similarity score:	0.0314236	
Alignment: HDDDHAACCGTTAHHHD DBTACWGTAVH		
Original motif		Reverse complement motif



Dataset #: 2 Motif ID: 20 Motif name: dhACATTCTkh



Best Matches for Motif ID 20 (Highest to Lowest)

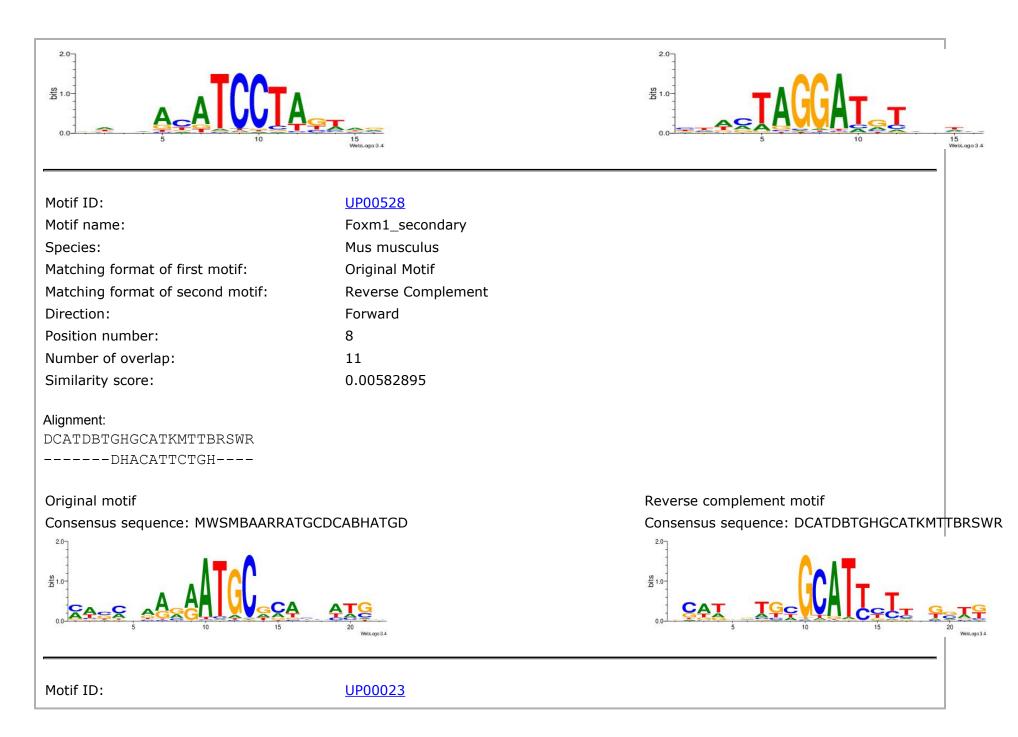
Motif ID:	<u>UP00038</u>
Motif name:	Spdef_secondary
Species:	Mus musculus
Matching format of first motif:	Reverse Complement
Matching format of second motif:	Reverse Complement
Direction:	Forward
Position number:	4
Number of overlap:	11
Similarity score:	0.00581553
Alignment:	
VDWYTAGGATGTHVDH	
HCAGAATGTHD	

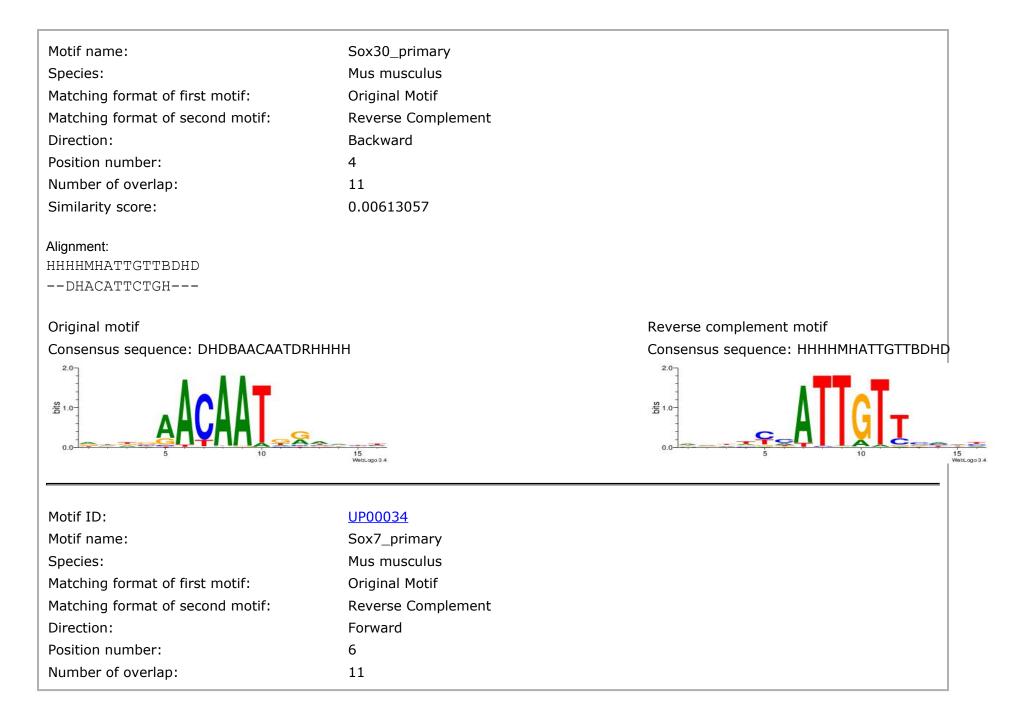
Original motif Consensus sequence: DDBHACATCCTAKWDV Reverse complement motif Consensus sequence: VDWYTAGGATGTHVDH

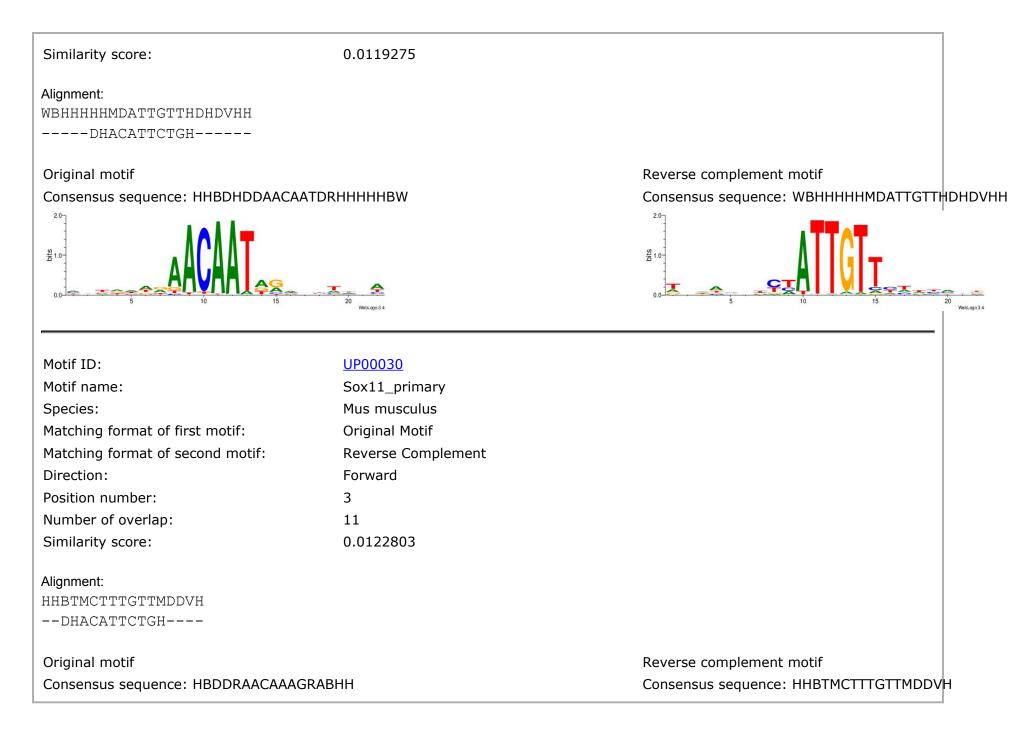
Consensus sequence: HCAGAATGTHD

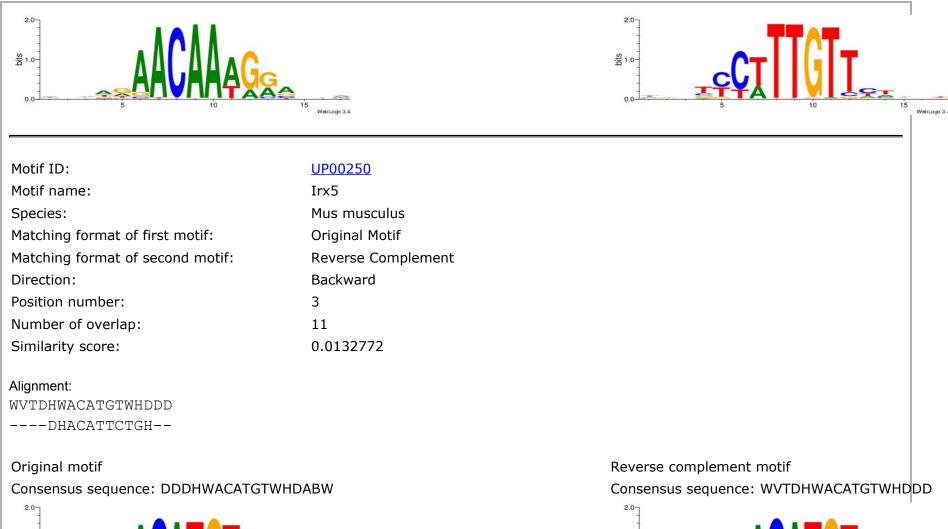
Reverse complement motif



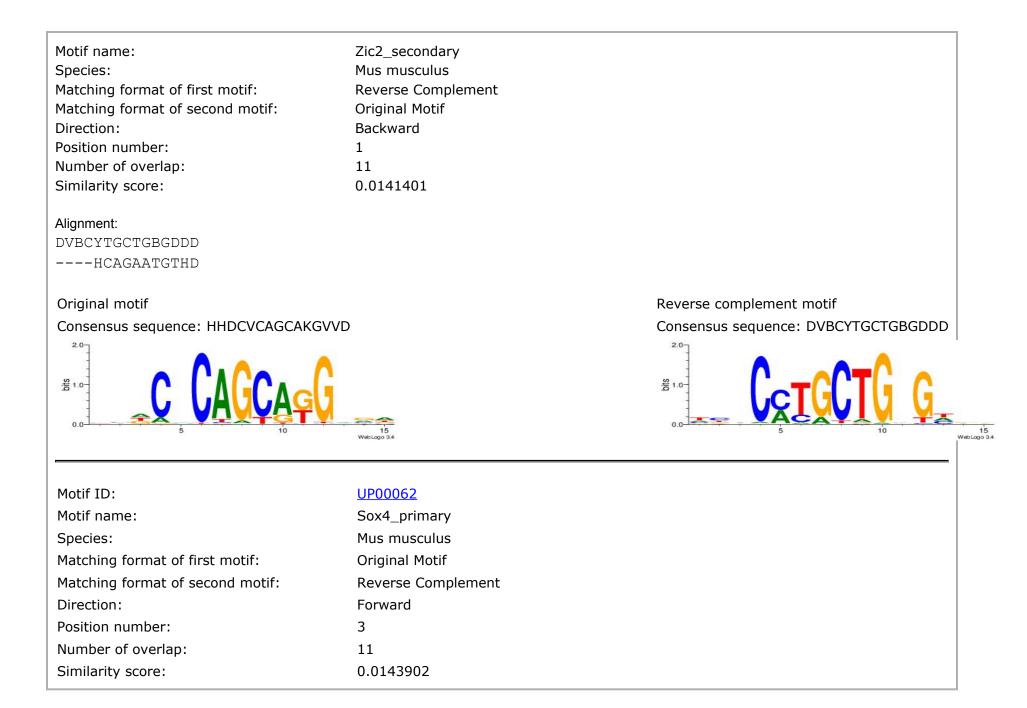


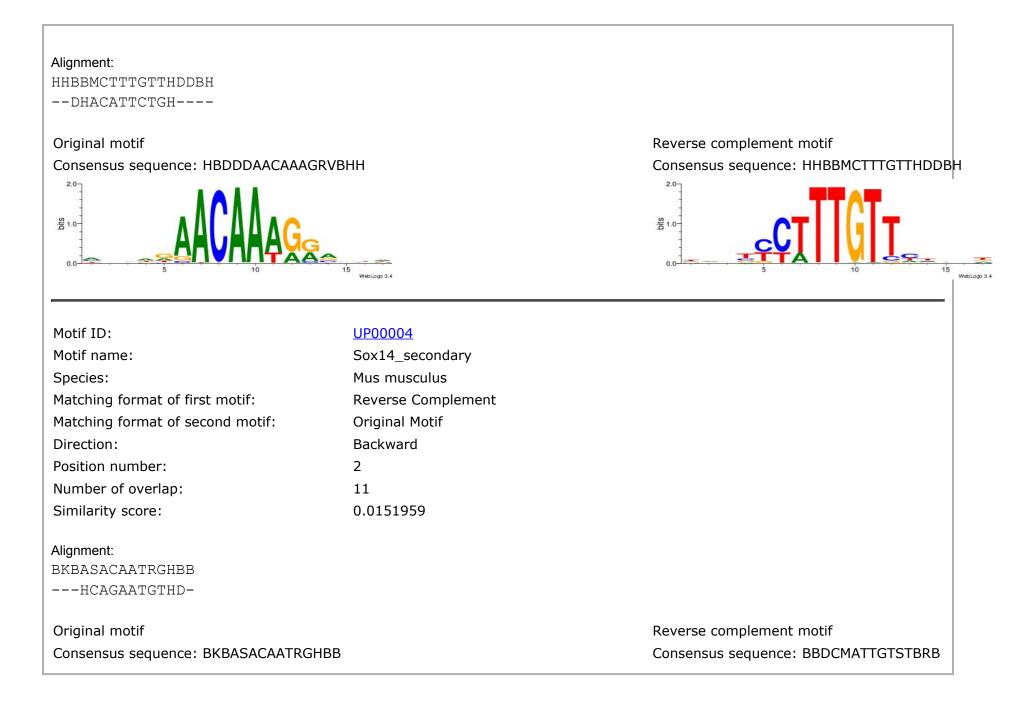


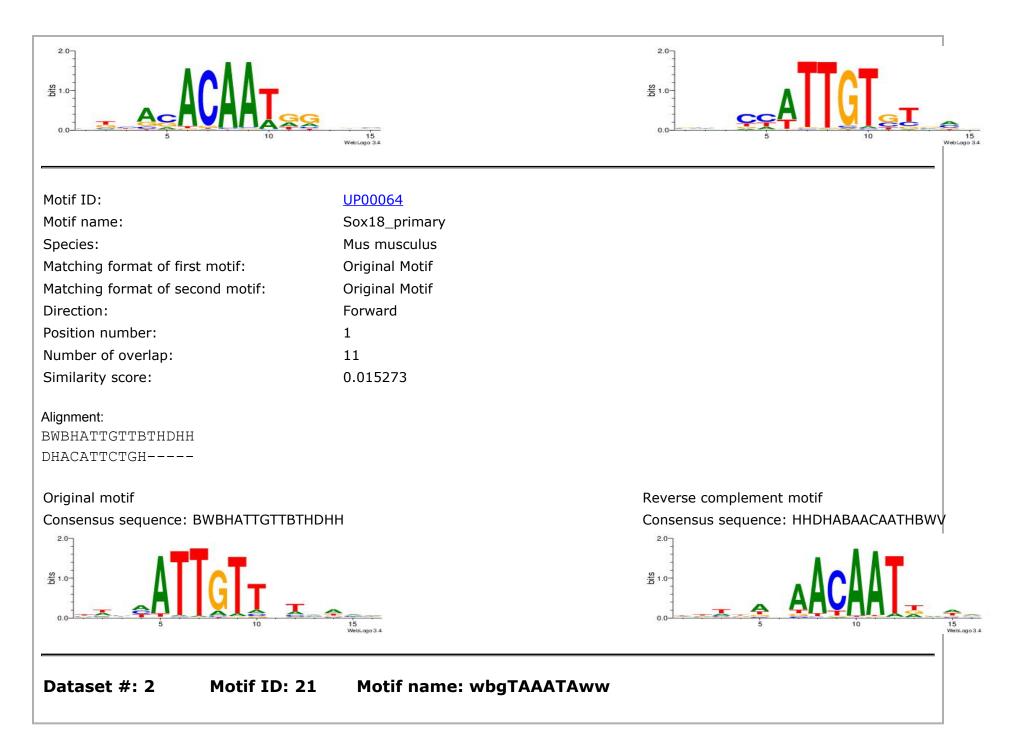


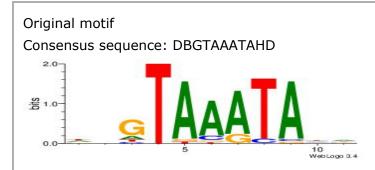


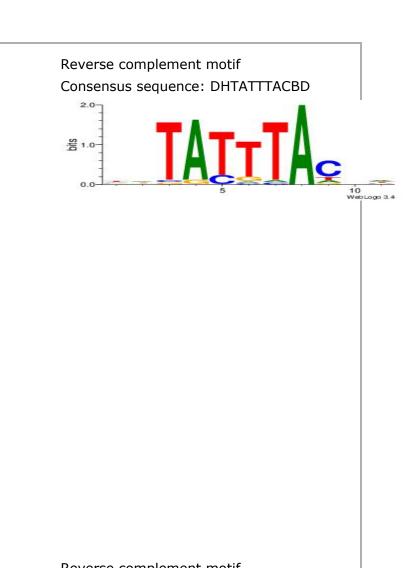






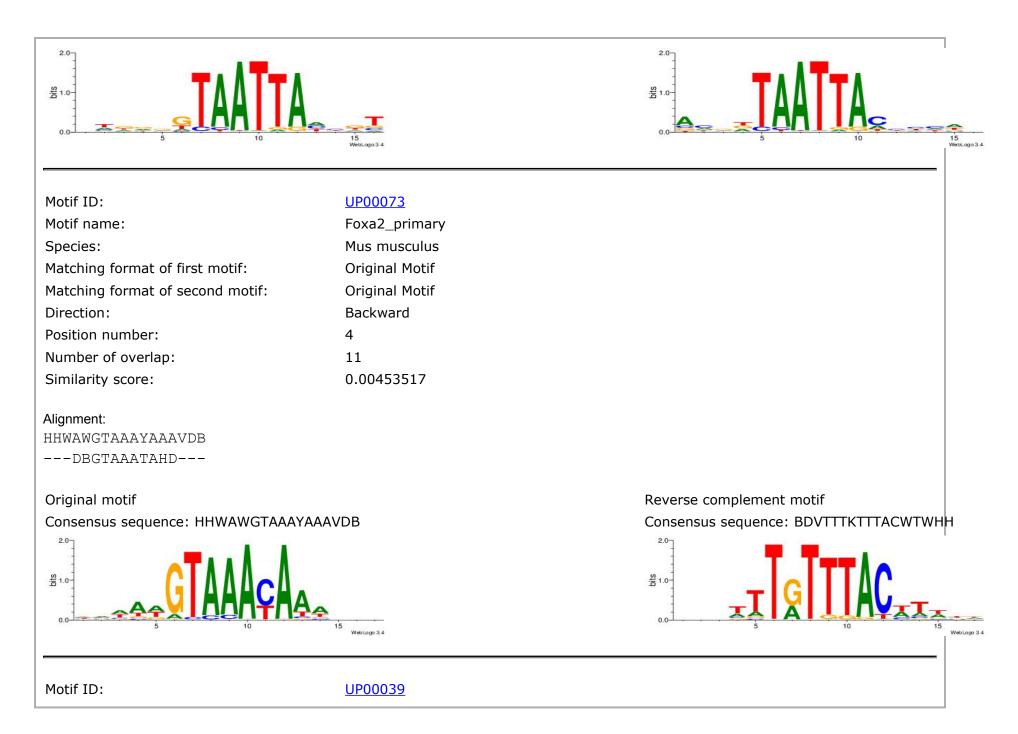






Best Matches for Motif ID 21 (Highest to Lowest)

Motif ID:	<u>UP00242</u>	
Motif name:	Hoxc8	
Species:	Mus musculus	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Reverse Complement	
Direction:	Backward	
Position number:	4	
Number of overlap:	11	
Similarity score:	0	
Alignment:		
АНДНТААТТАСННННУ		
DHTATTTACBD		
Original motif	Reverse complement motif	
Consensus sequence: BHDDDGTAATTAHHD	OT Consensus sequence: AHDHTAATTAC	СННННИ



Matif name:	Favi2 numany	
Motif name:	Foxj3_primary	
Species:	Mus musculus	
Matching format of first motif:	Original Motif	
Matching format of second motif:	Original Motif	
Direction:	Backward	
Position number:	4	
Number of overlap:	11	
Similarity score:	0.00490457	
Alignment:		
HDHADGTAAACAAAVVH		
DBGTAAATAHD		
Original motif		Reverse complement motif
Consensus sequence: HDHADGTAAACAAAVVH		Consensus sequence: DVVTTTGTTTACDTHDH
	15 Weblogs 3.4	
Motif ID:	UP00041	
Motif name:	Foxj1_primary	
	Mus musculus	
Species:		
Matching format of first motif:	Original Motif	

Original Motif

Backward

5

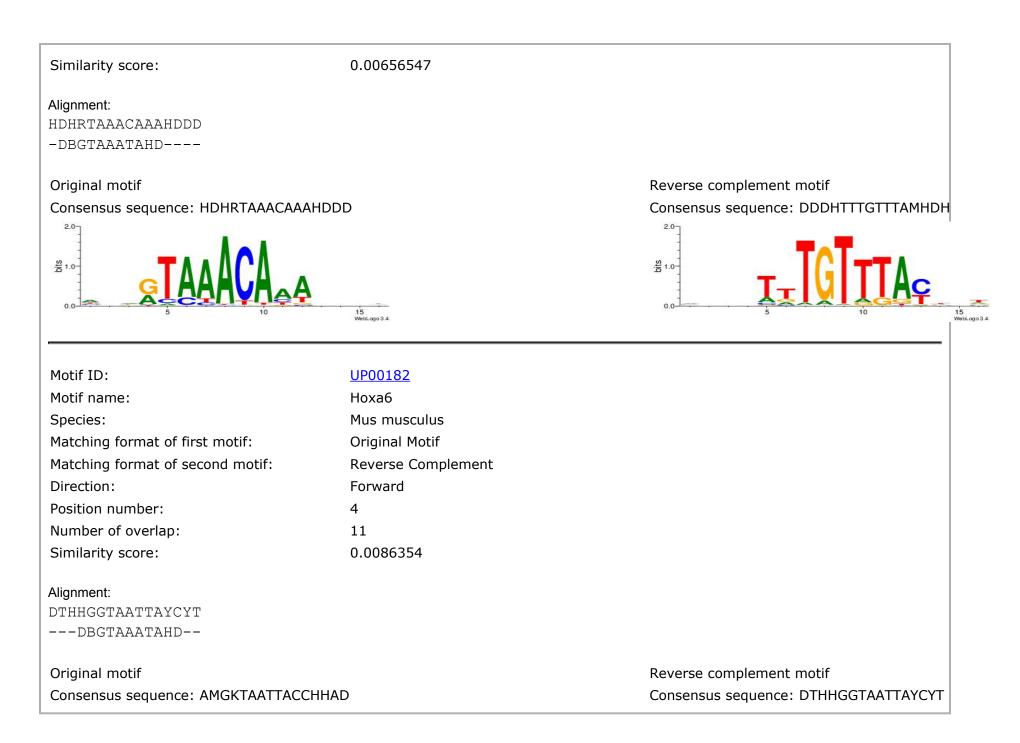
11

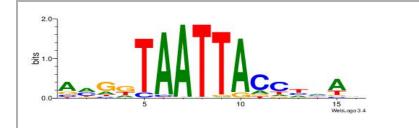
Matching format of second motif:

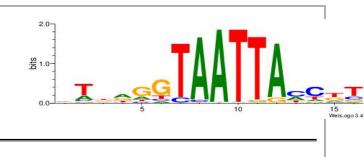
Direction:

Position number:

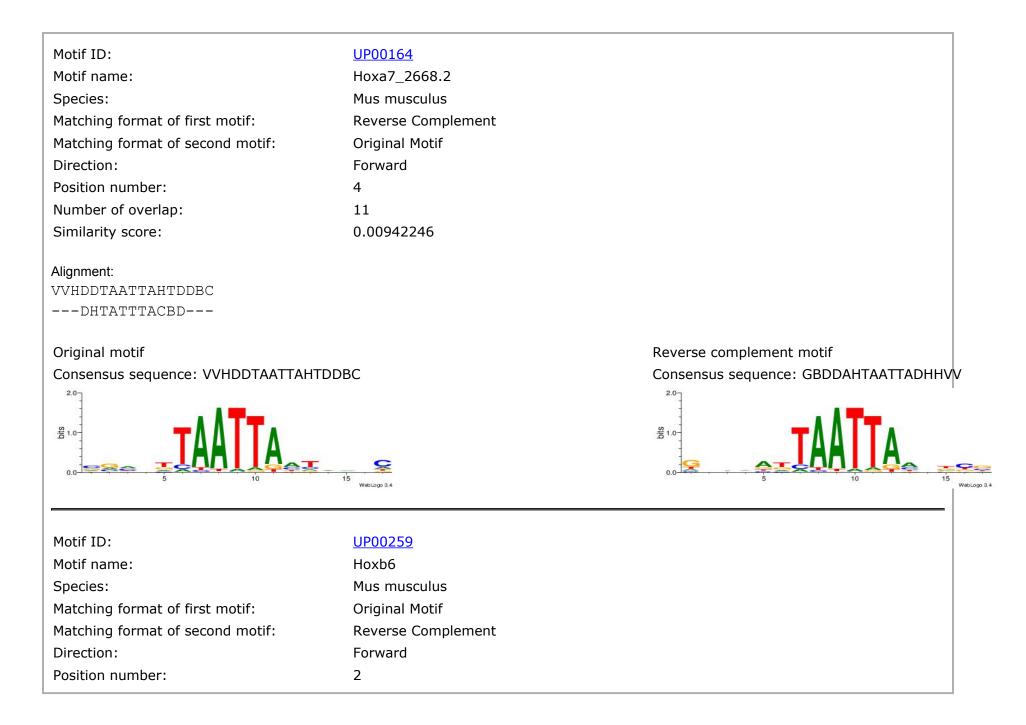
Number of overlap:

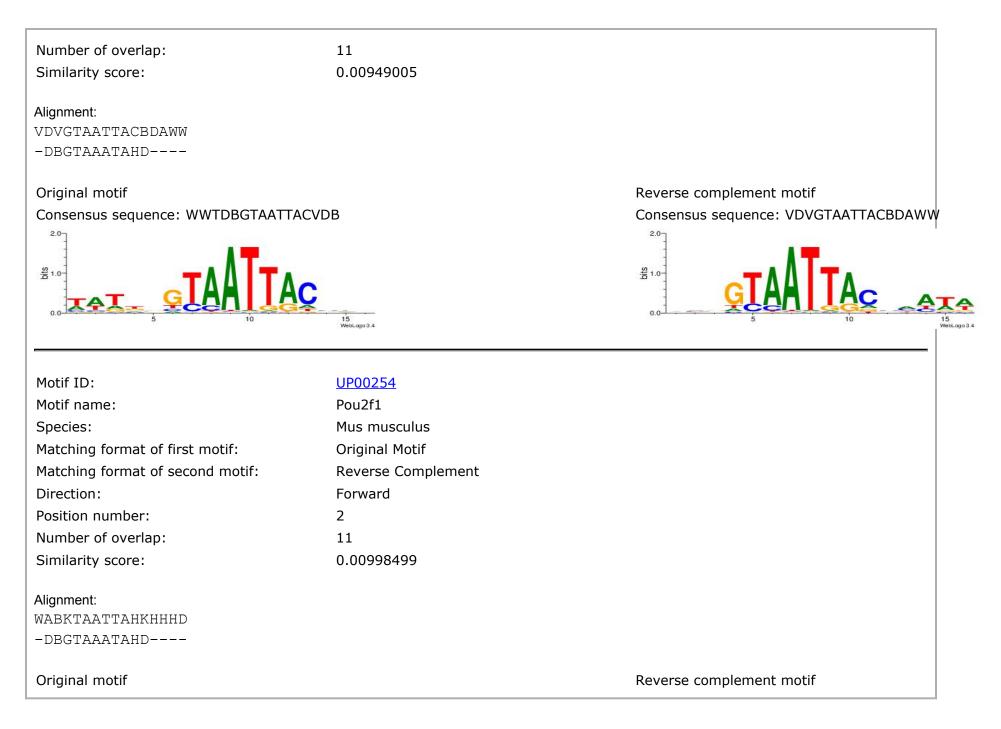


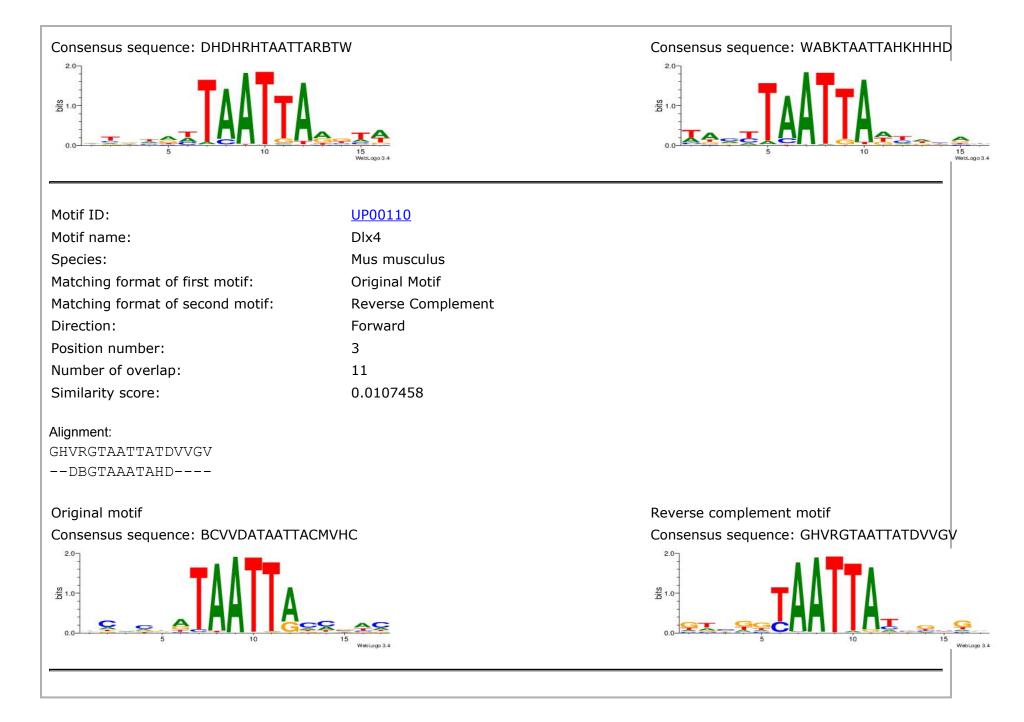




Motif ID:		
	<u>UP00260</u>	
Motif name:	Hoxc6	
Species:	Mus musculus	
Matching format of first motif:	Reverse Complement	
Matching format of second motif:	Original Motif	
Direction:	Forward	
Position number:	4	
Number of overlap:	11	
Similarity score:	0.0092156	
Alignment:		
BRHVKTAATTAMBDVVD		
DHTATTTACBD		
Original motif		Reverse complement motif
Consensus sequence: BRHVKTAATTAMBDVVD		Consensus sequence: DBBDVYTAATTARBHKB
2.0		2.0
	WebLago 3.4	WebLogo 3.4







Results created by MOTIFSIM on 11-20-2016 13:21:41 Runtime: 601.6 seconds

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