



Jump to: [Multiple Alignment](#) [Motif Tree](#) [Motif Matching](#)

Input file: 20 motifs loaded

Settings: Metric=PCC, Alignment=SWU, Gap-open=1000, Gap-extend=1000, -nooverlapalign

Multiple Alignment=IR, Tree=UPGMA, Matching against: JASPAR

Note: All results files are removed nightly at midnight EST. Please save your results by saving "Webpage, complete".

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Multiple Alignment

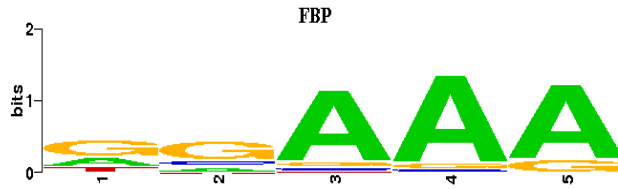
(Consensus sequence representations shown, but multiple alignment was carried out on the matrices)

```

M0 :          GGGGGTGGGGG-----
M1 :          ----AAAAAAAAA-----
M2 :          -----CAAACAAA
M3 :          -----GGRAGGGA--
M4 :          -----TTTAAAA-----
M5 :          -----GAAAGAAA-----
M6 :          -----AGGAAGGA---
M7 :          -----AAGGAAAA-----
M8 :          -----GGGGAGAG----
M9 :          -----AAAACACA-
M10 :         -----CMAAGGAG-
M11 :         ----TCCCCAGA-----
M12 :         ----TCTGAGRA-----
M13 :         -----AAATAAAT
M14 :         -----GCAAAGGC--
M15 :         -----AAAGGGS A
M16 :         -----TATTTAAA-----
M17 :         ----AGGGCTGA-----
M18 :         -----RGGGAAAT-----
M19 :         -----AAAACAAC

```

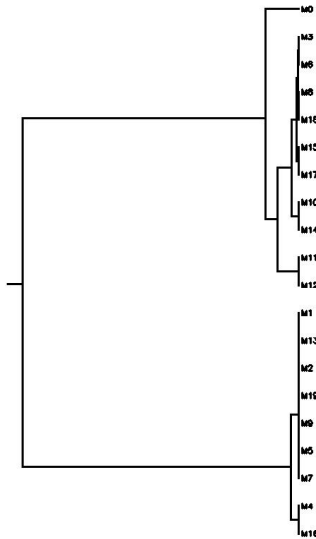
Familial Profile:
[\(click for matrix\)](#)



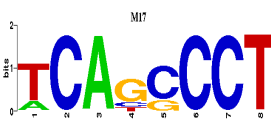



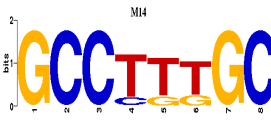
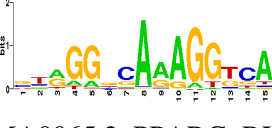


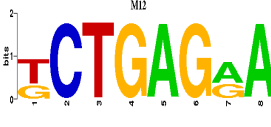







Motif Tree

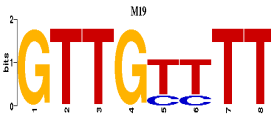


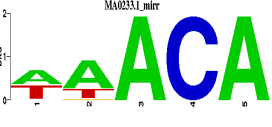



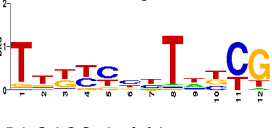
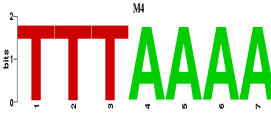



Tree (drawn by **Phylip**)

[Click here for Newick-format tree \(viewable with MEGA\)](#)

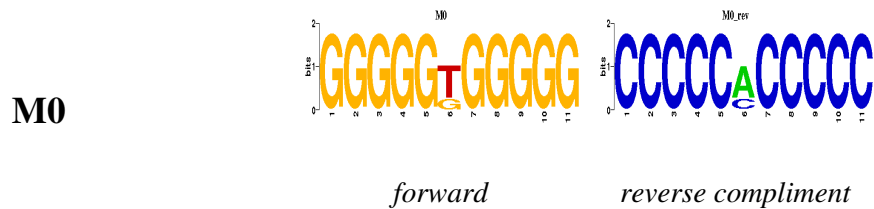


	Input Motif	Best match in JASPAR
M0		 MA0079.2_SP1 (E val: 1.8329e-09)
M3		 MA0079.2_SP1 (E val: 9.3452e-06)
M6		 MA0149.1_EWSR1-FLI1 (E val: 6.8674e-10)
M8		 MA0079.2_SP1 (E val: 1.2507e-05)
M18		 MA0437.1_YPR196W (E val: 5.9354e-07)
M15		 MA0065.2_PPARG_RXRA (E val: 1.0118e-06)

 <p>M17</p>	 <p>MA0403.1_TBF1 (E val: 4.6997e-04)</p>
 <p>M10</p>	 <p>MA0370.1_RME1 (E val: 1.2611e-06)</p>
 <p>M14</p>	 <p>MA0065.2_PPARG_RXRA (E val: 1.9959e-06)</p>
 <p>M11</p>	 <p>MA0344.1_NHP10 (E val: 4.7312e-05)</p>
 <p>M12</p>	 <p>MA0432.1_YNR063W (E val: 5.0183e-05)</p>
 <p>M1</p>	 <p>MA0277.1_AZF1 (E val: 9.2771e-10)</p>
 <p>M13</p>	 <p>MA0042.1_FOXI1 (E val: 2.2417e-07)</p>
 <p>M2</p>	 <p>MA0277.1_AZF1 (E val: 3.3640e-07)</p>

 <p>M19</p>	 <p>MA00445.1_D (E val: 4.2848e-06)</p>
 <p>M9</p>	 <p>MA0233.1_mirr (E val: 5.2508e-05)</p>
 <p>M5</p>	 <p>MA0277.1_AZF1 (E val: 4.1899e-09)</p>
 <p>M7</p>	 <p>MA0120.1_id1 (E val: 6.2200e-08)</p>
 <p>M4</p>	 <p>MA0151.1_ARID3A (E val: 2.3472e-05)</p>
 <p>M16</p>	 <p>MA0052.1_MEF2A (E val: 3.7068e-07)</p>

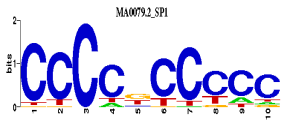

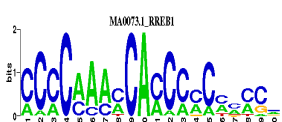





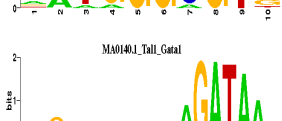

Motif Similarity Matches



Name E value Alignment Motif

Stamp Results

04/30/14

MA0079.2_SP1	1.8329e-09	GGGGGTGGGGG GGGGGNGGGG-	
MA0039.2_Klf4	1.4063e-06	CCCCACCCCC GCCMCRCCCN-	
MA0073.1_RREB1	1.8557e-06	-GGGGGTGGGGG----- NGKKKGKGGGTGKTTTGGGG	
MA0068.1_Pax4	3.4906e-06	GGGGGTGGGGG----- -GKRNNNNKNNNNNNNNNNKNNWWWTTTY	
MA0436.1_YPR022C	4.9020e-06	GGGGGTGGGGG ---NGTGGGG-	
MA0268.1_ADR1	2.4291e-05	GGGGGTGGGGG ----KTGGGGN	
MA0373.1_RPN4	3.9220e-05	GGGGGTGGGGG ---GGTGGCG-	
MA0443.1_btd	6.9021e-05	-GGGGGTGGGGG NGKGGGCGGR--	
MA0140.1_Tal1_Gata1	2.6686e-04	-----CCCCACCCCC NTTATCTNNNNNNNNNCNN-	
MA0337.1_MIG1	2.9468e-04	GGGGGTGGGGG ----SYGGGN	

M3



forward

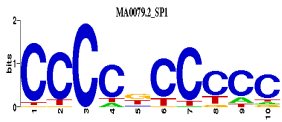
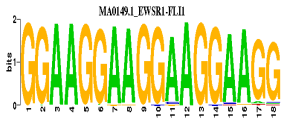

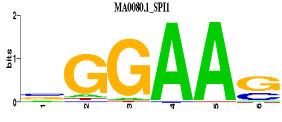

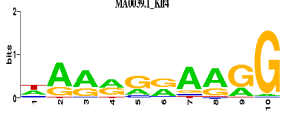
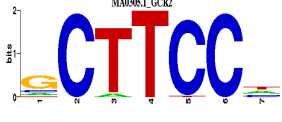

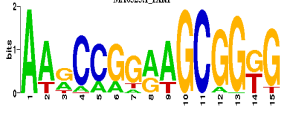

reverse complement

Name

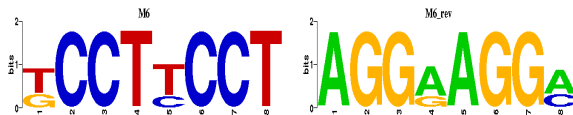
E value

Alignment

Motif

MA0079.2_SP1	9.3452e-06	--GGRAGGGA GGGGNGGGG	
MA0149.1_EWSR1-FLI1	3.4994e-05	GGRAGGGA----- GGAAGGAAGGAAGGAAGG	
MA0290.1_DAL81	1.0901e-04	--TCCCTYCC----- AATCCCGCCCGCGGCTTTT	
MA0080.1_SPI1	4.1784e-04	TCCCTYCC- ---STTCN	
MA0410.1_UGA3	5.9915e-04	TCCCTYCC TCCCGCCN	
MA0039.1_Klf4	7.1157e-04	TCCCTYCC--- -CCTTYYTTN	
MA0305.1_GCR2	1.1631e-03	-GGRAGGGA NGGAAGC--	
MA0080.2_SPI1	1.2449e-03	TCCCTYCC- --ACTTCT	
MA0323.1_IXR1	1.6469e-03	--TCCCTYCC----- CMCCGCTTCCGGYTT	
MA0366.1_RGM1	1.7687e-03	GGRAGGGA ---AGGGG	

M6



forward



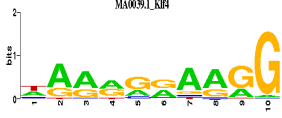
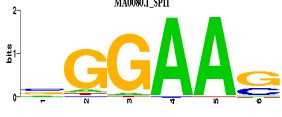
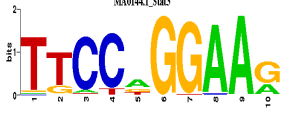

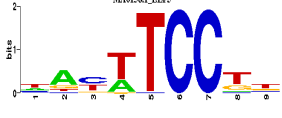
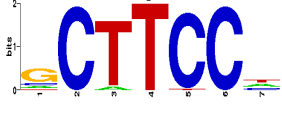


reverse complement

Name

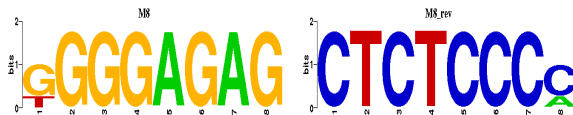
E value

Alignment

Motif

MA0149.1_EWSR1-FLI1	6.8674e-10	---AGGAAGGA----- GGAAGGAAGGAAGGAAGG	
MA0080.2_SPI1	3.3943e-07	TCCTTCCT -ACTTCCT	
MA0039.1_Klf4	8.3351e-06	---AGGAAGGA NAARRRAAGG-	
MA0080.1_SPI1	7.3327e-05	TCCTTCCT --STTCN	
MA0144.1_Stat3	7.4602e-05	TCCTTCCT---- --CTTCNGGAA	
MA0156.1_FEV	8.3126e-05	TCCTTCCT- -AYTTCCTG	
MA0136.1_ELF5	1.5729e-04	-AGGAAGGA NMGGAARTN	
MA0305.1_GCR2	2.6301e-04	AGGAAGGA NGGAAGC-	
MA0026.1_Eip74EF	2.8163e-04	TCCTTCCT- --YTTCCGG	
MA0304.1_GCR1	7.6245e-04	TCCTTCCT GGCTTCCA	

M8



forward

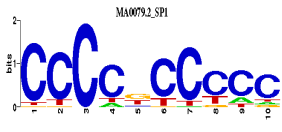
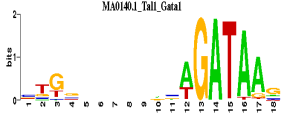
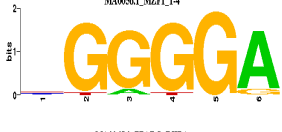
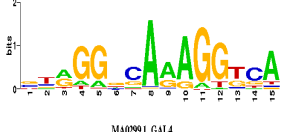




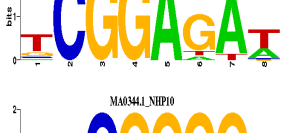

reverse complement

Name

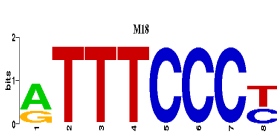
E value

Alignment

Motif

MA0079.2_SP1	1.2507e-05	-GGGGAGAG- GGGGGNGGGG	
MA0140.1_Tal1_Gata1	1.4997e-05	-----CTCTCCCC----- NTTATCTNNNNNNNNNCNN	
MA0056.1_MZF1_1-4	2.7605e-05	CTCTCCCC- ---TCCCN	
MA0065.2_PPARG_RXRA	1.9752e-04	----CTCTCCCC-- TGMCCTTTGNCCYNN	
MA0299.1_GAL4	3.4770e-04	-----CTCTCCCC-- GANNRNTNTNNNCCG	
MA0062.1_GABPA	3.6977e-04	CTCTCCCC-- SNCTTCCGGT	
MA0450.1_hkb	5.7535e-04	-CTCTCCCC TCACGCCM	
MA0354.1_PDR8	6.2682e-04	CTCTCCCC ATCTCCGN	
MA0432.1_YNR063W	6.5882e-04	GGGGAGAG TCGGAGAT	
MA0344.1_NHP10	9.3297e-04	CTCTCCCC-- ---TCCCCGN	

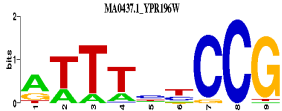





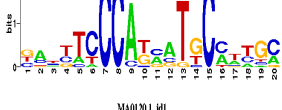
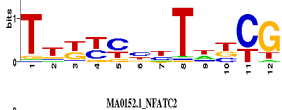
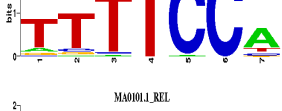
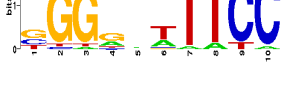
M18



forward



reverse complement

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0437.1_YPR196W	5.9354e-07	-RGGGAAAT CGGRNAAAT	
MA0438.1_YRM1	3.1134e-06	ATTTCCCY ATNTCCGN	
MA0428.1_YKL222C	4.4886e-06	ATTTCCCY- ATYTCCGTN	
MA0107.1_RELA	1.9432e-05	RGGGAAAT---- --GGAAANTCCC	
MA0156.1_FEV	2.8817e-05	ATTTCCCY AYTTCCTG	
MA0105.1_NFKB1	5.9509e-05	RGGGAAAT---- -GGGGAATCCCC	
MA0088.1_znf143	6.8096e-05	-----RGGGAAAT- KCNNKGMANNMTGGGANNNN	
MA0120.1_id1	1.3984e-04	-----RGGGAAAT CGNNANNRRMNA-	
MA0152.1_NFATC2	1.6889e-04	RGGGAAAT -TGGAAAA	
MA0101.1_REL	4.0293e-04	RGGGAAAT---- --GGAAWNYCCN	

M15

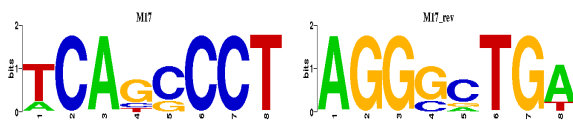


forward

reverse compliment

Name	E value	Alignment	Motif
MA0065.2_PPARG_RXRA	1.0118e-06	-----AAAGGSA NNRGGNCAAAGGKCA	
MA0115.1_NR1H2_RXRA	2.0149e-05	--TSCCCTTT----- STTGACCTTTGACCTTT	
MA0114.1_HNF4A	3.8924e-05	-----AAAGGSA RGNNCAAAGKNCA	
MA0065.1_PPARG_RXRA	4.7890e-05	---TSCCCTTT----- NNNTGACCTTTGACCYCINN	
MA0452.1_Kr	7.0426e-05	--AAAGGSA- NNAARGGGTTA	
MA0366.1_RGM1	1.4037e-04	TSCCCTTT -CCCCT--	
MA0017.1_NR2F1	1.5480e-04	-----AAAGGSA NNGKNCAAAGKTC	
MA0423.1_YER130C	2.3368e-04	TSCCCTTT- NCCCCTWTN	
MA0342.1_MSN4	2.7357e-04	TSCCCTTT -CCCCT--	
MA0440.1_ZAP1	3.2117e-04	-----AAAGGSA- ACCYTMAAGGTNATG	

M17

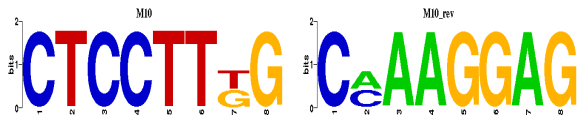




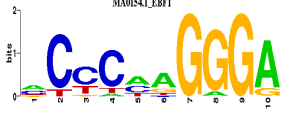

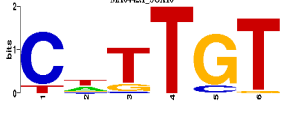

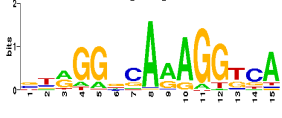

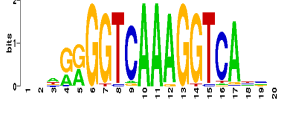

forward

reverse compliment

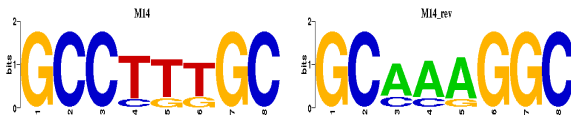
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0403.1_TBF1	4.6997e-04	--AGGGCTGA NTAGGGYT--	
MA0443.1_btd	1.0561e-03	TCAGCCCT-- YCCGCCMCN	
MA0117.1_Mafb	1.4059e-03	---TCAGCCCT NNNTCAGC---	
MA0009.1_T	1.4194e-03	-TCAGCCCT-- TTCACACCTAG	
MA0366.1_RGM1	2.3926e-03	TCAGCCCT ---CCCCT	
MA0342.1_MSN4	2.6415e-03	TCAGCCCT ---CCCCT	
MA0138.1_REST	3.2108e-03	-----AGGGCTGA GNGCTGTCCNWWGGTGCTGA	
MA0138.2_REST	3.5790e-03	-TCAGCCCT----- NTCAGCACCNNGGACAGCNNC	
MA0341.1_MSN2	4.8897e-03	AGGGCTGA AGGGG---	
MA0450.1_hkb	4.8909e-03	TCAGCCCT- TCACGCCCM	

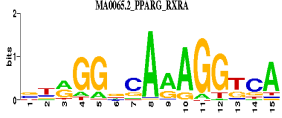



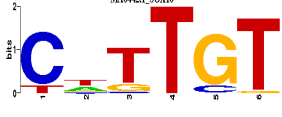

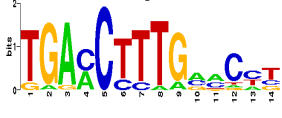
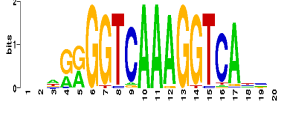


M10



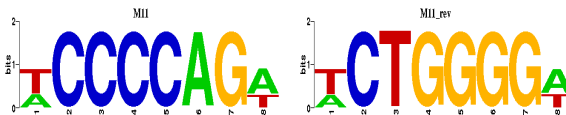
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0370.1_RME1	1.2611e-06	CTCCTTKG-- TNCCTTTNNA	
MA0163.1_PLAG1	3.5660e-05	-CTCCTTKG----- CCCCCTTNGGCC	
MA0154.1_EBF1	2.3887e-04	CTCCTTKG--- -TCCCTNGGGN	
MA0368.1_RIM101	1.6547e-03	CTCCTTKG-- ---CTTGCCR	
MA0442.1_SOX10	1.7757e-03	-CMAAGGAG ACAAGW---	
MA0115.1_NR1H2_RXRA	1.7860e-03	---CTCCTTKG----- STTGACCTTTGACCTTT	
MA0065.2_PPARG_RXRA	2.5801e-03	-CTCCTTKG----- TGMCCCTTGNCYNN	
MA0314.1_HAP3	2.5948e-03	-CTCCTTKG----- TCTSATTGGYNNRN	
MA0065.1_PPARG_RXRA	2.9322e-03	----CTCCTTKG----- NNNTGACCTTTGACCYNN	
MA0114.1_HNF4A	3.1443e-03	----CMAAGGAG- RGNNCAAAGKNCA	






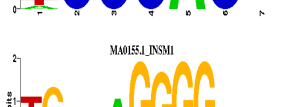


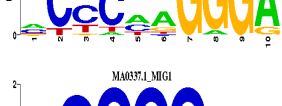

M14



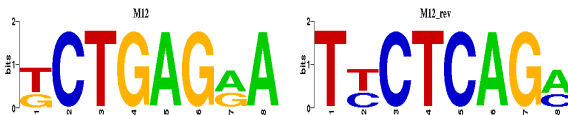
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.2_PPARG_RXRA	1.9959e-06	--GCCTTTGC----- TGMCCTTTGNCCYNN	
MA0114.1_HNF4A	3.0984e-05	---GCAAAGGC-- RGNNCAAAGKNCA	
MA0370.1_RME1	1.3574e-04	-GCCTTTGC- TNCCTTTNNA	
MA0368.1_RIM101	2.2903e-04	-GCAAAGGC YGCCAAG--	
MA0442.1_SOX10	3.1798e-04	GCAAAGGC ACAAGW--	
MA0115.1_NR1H2_RXRA	4.0118e-04	----GCCTTTGC----- STTGACCTTTGACCTTT	
MA0017.1_NR2F1	4.8457e-04	----GCAAAGGC-- NNGKNCAAAGKTCA	
MA0065.1_PPARG_RXRA	6.4864e-04	----GCCTTTGC----- NNNTGACCTTTGACCYCINN	
MA0326.1_MAC1	1.0187e-03	---GCAAAGGC YGAGCAAA---	
MA0053.1_MNB1A	3.2455e-03	GCAAAGGC --AAAGN-	


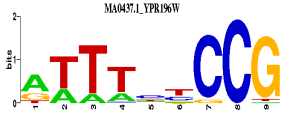




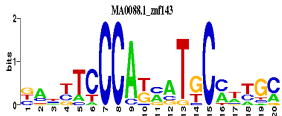

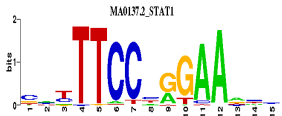

M11



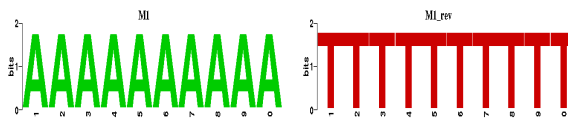
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	4.7312e-05	TCTGGGGA NCCGGGGA	
MA0056.1_MZF1_1-4	7.1309e-05	TCCCAGA TCCCN--	
MA0332.1_MET28	1.6557e-04	TCCCAGA -CCACAG-	
MA0268.1_ADR1	2.1007e-04	TCTGGGGA -KTGGGN	
MA0436.1_YPR022C	2.1708e-04	TCTGGGGA NGTGGG-	
MA0155.1_INSM1	4.6587e-04	--TCCCAGA-- YGCCCCCTGRCA	
MA0353.1_PDR3	5.0744e-04	TCCCAGA TCCGCGGA	
MA0154.1_EBF1	8.7127e-04	--TCTGGGGA TCCCTNGGN	
MA0337.1_MIG1	1.0349e-03	TCTGGGGA -SYGGGN	
MA0364.1_REI1	1.0732e-03	TCTGGGGA NCAGGG-	


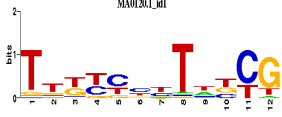


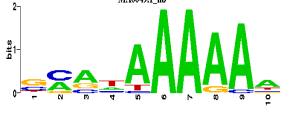



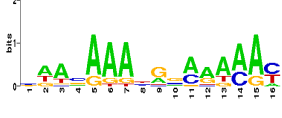

M12



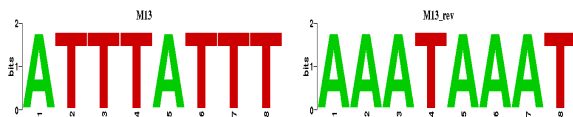
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0432.1_YNR063W	5.0183e-05	TCTGAGRA TCGGAGAT	
MA0437.1_YPR196W	1.8477e-03	TCTGAGRA-- -CGGRNAAAT	
MA0150.1_NFE2L2	4.1401e-03	-TCTGAGRA-- TGCTNWTGTCAY	
MA0081.1_SPIB	4.6953e-03	-TYCTCAGA TTCCKST--	
MA0332.1_MET28	4.9590e-03	TYCTCAGA -CCACAG-	
MA0353.1_PDR3	5.3146e-03	TCTGAGRA TCCGCGGA	
MA0088.1_znf143	5.8854e-03	-----TCTGAGRA----- KCNNKGMANNMTGGGANNNN	
MA0354.1_PDR8	9.5438e-03	TYCTCAGA ATCTCCGN	
MA0137.2_STAT1	1.0469e-02	----TCTGAGRA---- NNNTTCCNGGAARNN	
MA0407.1_THI2	1.2365e-02	-TYCTCAGA----- GTTCTTASRGTTKCC	

M1



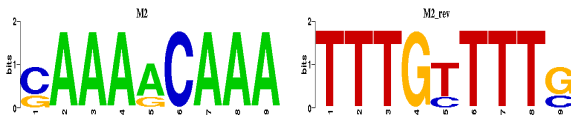
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	9.2771e-10	TTTTTTTTTT TTTCTTTT-	
MA0120.1_id1	6.0634e-06	--AAAAAAAAA CGNNANRRMNA	
MA0010.1_br_Z1	6.0818e-06	--TTTTTTTTTT-- NWYTTGYTATNAN	
MA0041.1_Foxd3	6.2215e-06	--TTTTTTTTTT NAWTGTTTNTTT	
MA0049.1_hb	5.9504e-05	-TTTTTTTTTT NTTTTTNYKS-	
MA0082.1_squamosa	3.1164e-04	---AAAAAAAAA- MCAWAWATRGNAN	
MA0013.1_br_Z4	3.6803e-04	TTTTTTTTTT- WTWNTTACTA	
MA0040.1_Foxq1	7.0129e-04	AAAAAAAAAAA- WATAACAATN	
MA0045.1_HMG-I_Y	1.6169e-03	-TTTTTTTTTT----- RTTYKNYNTTNTNN	
MA0042.1_FOXI1	2.8171e-03	--TTTTTTTTTT NNRTRTTRWT-	

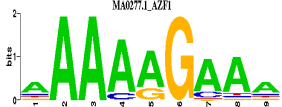



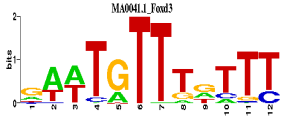

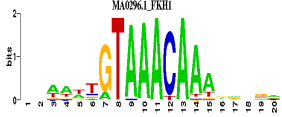



M13



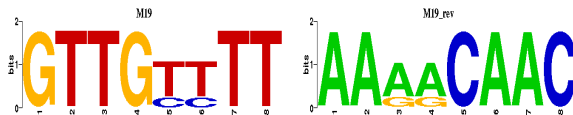
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0042.1_FOXI1	2.2417e-07	AAATAAAT----- AWAYAAAYANNN	
MA0047.1_Foxa2	3.0790e-07	AAATAAAT----- AARYAAATANTN	
MA0216.1_cad	3.1016e-07	AAATAAAT YAATAAA-	
MA0174.1_CG42234	9.8617e-06	AAATAAAT TMATWAA-	
MA0135.1_Lhx3	1.1967e-05	-----ATTTATTT NRWTAATTAATTW	
MA0008.1_HAT5	1.5885e-05	-ATTTATTT NAATTATT-	
MA0041.1_Foxd3	3.2228e-05	-----ATTTATTT NAWTGTTTNTTT	
MA0448.1_H2.0	3.9437e-05	AAATAAAT TNATWAN-	
MA0052.1_MEF2A	4.0139e-05	--ATTTATTT CTATTTATAG	
MA0235.1_oncut	4.1224e-05	ATTTATTT -TTGATTN	

M2



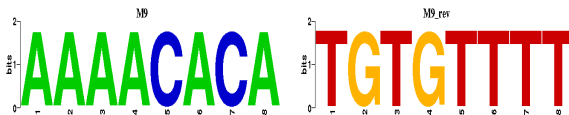
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	3.3640e-07	TTTGTTTTG TTTCTTTTT	
MA0143.1_Sox2	4.9428e-06	----CAAACAAA-- TNTGCATNACAAWGG	
MA0013.1_br_Z4	8.5640e-06	TTTGTTTTG-- WTWNTTACTA	
MA0142.1_Pou5f1	8.5950e-06	-TTTGTTTTG----- CWTGTNATGCAAAT	
MA0041.1_Foxd3	1.1708e-05	-----TTTGTTTTG NAWTGTTTTNTTT--	
MA00445.1_D	1.2266e-05	CAAACAAA--- -ANAACAATRGN	
MA0296.1_FKH1	2.4133e-05	-----CAAACAAA----- NNWNNTGTAAACAAANNNN	
MA0371.1_ROX1	3.2624e-05	CAAACAAA--- GAGAACAATNGR	
MA0042.1_FOXI1	3.4032e-05	CAAACAAA----- --AWAYAAAYANN	
MA0010.1_br_Z1	8.4925e-05	--TTTGTTTTG--- NWYTTGTYTATNAN	

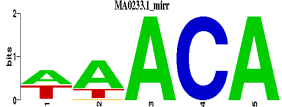







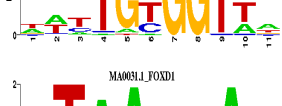
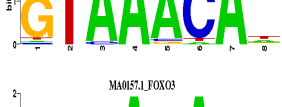
M19



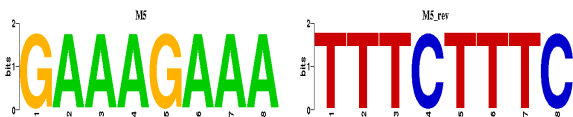
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA00445.1_D	4.2848e-06	AAAACAAC--- ANAACAATRGN	
MA0044.1_HMG-1	2.1272e-05	-AAAACAAC GANNACAAC	
MA0084.1_SRY	4.3980e-05	GTTGTTTT- ATTGTTWNN	
MA0277.1_AZF1	7.1619e-05	GTTGTTTT- TTTCTTTTT	
MA0040.1_Foxq1	8.6457e-05	--AAAACAAC- WATAACAATN	
MA0371.1_ROX1	8.8486e-05	-AAAACAAC--- GAGAACAATNGR	
MA0235.1_onecut	1.2027e-04	GTTGTTTT -TTGATTN	
MA0233.1_mirr	1.2255e-04	GTTGTTTT --TGTTW-	
MA0013.1_br_Z4	1.5885e-04	GTTGTTTT--- WTWNTTACTA	
MA0030.1_FOXP2	1.7452e-04	GTTGTTTT----- NNTGTTTACSNNTNN	


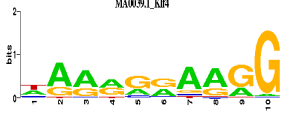

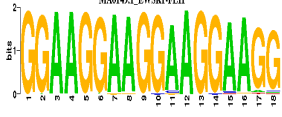






M9



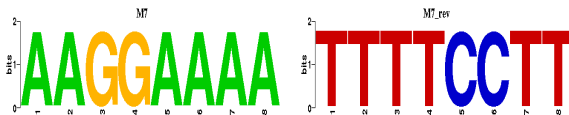
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0233.1_mirr	5.2508e-05	TGTGTTTT --TGTTW-	
MA0210.1_ara	1.6440e-04	AAAACACA -WAACA--	
MA0297.1_FKH2	1.6619e-04	TGTGTTTT- --TGTTTAC	
MA0002.2_RUNX1	2.3233e-04	AAAACACA--- NAACCACARNN	
MA0022.1_dl_1	4.0751e-04	----AAAACACA NGGAAAAACCCS	
MA0277.1_AZF1	4.3044e-04	TGTGTTTT- TTTCTTTTT	
MA0041.1_Foxd3	5.3993e-04	-AAAACACA--- AAANAAACAWTN	
MA0002.1_RUNX1	6.2023e-04	AAAACACA--- NAACCACARWW	
MA0031.1_FOXD1	6.2608e-04	TGTGTTTT- -NTGTTTAC	
MA0157.1_FOXO3	6.4434e-04	TGTGTTTT- --TGTTTACA	

M5



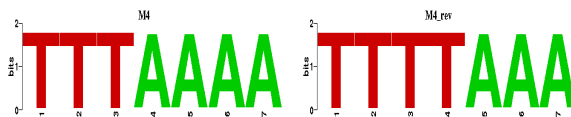
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	4.1899e-09	-GAAAGAAA AAAAAGAAA	
MA0039.1_Klf4	3.6742e-05	GAAAGAAA-- NAARRRAAGG	
MA0370.1_RME1	6.9984e-05	TTTCTTTC-- TNCCTTTNNA	
MA0149.1_EWSR1-FLI1	1.2883e-03	-GAAAGAAA----- GGAAGGAAGGAAGGAAGG	
MA0407.1_THI2	1.5504e-03	TTTCTTTC----- GTTCTTASRGTTKCC	
MA0051.1_IRF2	1.7000e-03	---TTTCTTTC----- NNWWNRSTTTTCRCTTTC	
MA0053.1_MNB1A	1.7687e-03	TTTCTTTC --NCTT-	
MA0064.1_PBF	1.7687e-03	TTTCTTTC --RCTT-	
MA0042.1_FOXI1	1.7933e-03	GAAAGAAA----- -AWAYAAAYANN	
MA0216.1_cad	1.7935e-03	TTTCTTTC TTTATTR-	

M7



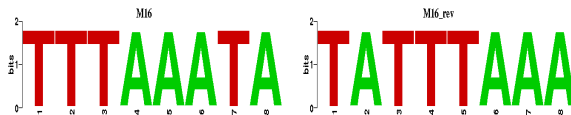
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0120.1_id1	6.2200e-08	----AAGGAAAA CGNNANNRRMNA	
MA0152.1_NFATC2	1.5360e-07	AAGGAAAA -TGGAAAA	
MA0277.1_AZF1	5.7452e-06	TTTTCCTT-- -TTTCTTTTT	
MA0294.1_EDS1	1.0526e-05	--TTTTCCTT NTTNTTCN-	
MA0156.1_FEV	1.7192e-05	TTTTCCTT AYTTCCTG	
MA0370.1_RME1	2.3510e-05	TTTTCCTT---- --TNCCTTTNNA	
MA0460.1_ttk	8.6215e-05	-TTTTCCTT RTTATCCTK	
MA0022.1_dl_1	9.0890e-05	AAGGAAAA----- -NGGAAAAACCCS	
MA0039.1_Klf4	1.3361e-04	-TTTTCCTT- CCTTYYYTNN	
MA0030.1_FOXP2	1.3470e-04	----TTTTCCTT-- NNTGTTTACSNNTN	

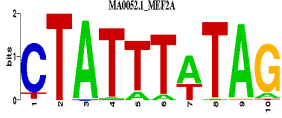





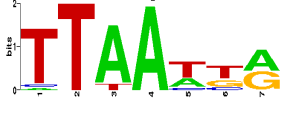



M4



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0151.1_ARID3A	2.3472e-05	TTTAAAA TTTAAT-	
MA0108.1_TBP	2.4491e-04	-TTTAAAA----- NTATAAAWRNNNNNN	
MA0108.2_TBP	2.4597e-04	-TTTAAAA----- NTATAAAWRNNNNNN	
MA0218.1_ct	4.9585e-04	-TTTAAAA GTTYAA--	
MA0387.1_SPT2	5.5683e-04	---TTTAAAA TTMNTTAANT	
MA0173.1_CG11617	6.3853e-04	-TTTTAAA ATGTWAA-	
MA0049.1_hb	1.1898e-03	--TTTTAAA- NTTTTTNYKS	
MA0152.1_NFATC2	2.1063e-03	TTTAAAA TGAAAA	
MA0153.1_HNF1B	3.7659e-03	TTTAAAA----- GTTAAWYATTAA	
MA0168.1_B-H1	3.8379e-03	--TTTAAAA CAATTAA--	

M16



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0052.1_MEF2A	3.7068e-07	-TTTAAATA- CTATAAATAG	
MA0387.1_SPT2	1.2630e-06	-TATTTAAA- TTMNTTAANT	
MA0153.1_HNF1B	1.7229e-06	TTTAAATA---- GTTAAWYATTAA	
MA0194.1_Lim1	2.0932e-06	TATTTAAA TAATTAA-	
MA0208.1_al	2.2883e-06	TTTAAATA -TTAATTA	
MA0172.1_CG11294	2.6869e-06	TATTTAAA TAATTAA-	
MA0170.1_C15	2.7806e-06	TTTAAATA -TTAAWKR	
MA0240.1_repo	3.3609e-06	TATTTAAA TAATTAA-	
MA0206.1_abd-A	4.3315e-06	TATTTAAA TAATTAA-	
MA0178.1_CG32105	4.5793e-06	TATTTAAA TAATTAA-	

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