



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

Input file: 99 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 :          AAAAAAAAA-----
M1 :          TTTTAAAA-----
M2 :          --GGGGGGGG-----
M3 :          -----AAAGGAAA---
M4 :          -----AGAAAGAA-
M5 :          -----AAGGAAAA--
M6 :          -----AAGAAAAG--
M7 :          ----GAAAGAAA----
M8 :          CACACACA-----
M9 :          ----AAGAGAAA----
M10 :         ----AGAAGAAA---
M11 :         -----AGAAAAAG-
M12 :         ----GGGAGGAG----
M13 :         -AGAGAGAG-----
M14 :         ----AAATAAAT---
M15 :         --CAAACAAA-----
M16 :         -----CAAACAA--
M17 :         ----GGAAGGAA----
M18 :         -----AGAGGAAG---
M19 :         --GAGGGAGG-----
M20 :         ----AACAAAAC----
M21 :         -----GGAGGGAG---
M22 :         -----AGGAAAGG-

```

Stamp Results

10/01/13

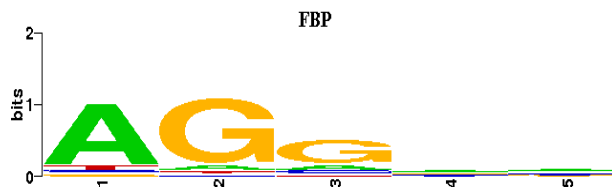
M23: --AATTAAAA-----
M24: -----CAGGAAGG--
M25: -----GAGGAGGG--
M26: ----GGGAGGGA-----
M27: ----GAAGGAAG----
M28: ----GCAGCAGC----
M29: ----GGAGAAAG----
M30: --TGGGGAGG-----
M31: -----AGGCAGAG--
M32: --AGGGGAGG-----
M33: --AGAGAAGG-----
M34: ---GGGAAGGG-----
M35: ----GGAGGGGA----
M36: -----TTGGTTTT--
M37: ----CCAGGAAG----
M38: -----AGGAGAGA--
M39: --AGCAGAGG-----
M40: -CAGAGCAG-----
M41: -CTCTGCAG-----
M42: -GGAAGCAG-----
M43: -----GAGGAAGA--
M44: --GGGAGAGG-----
M45: ----CCCAGCCC----
M46: -----GGTTTTTT--
M47: ---GGGGAGGA-----
M48: ----GGAGGCTG----
M49: ----GGCGGGGC----
M50: -TTTCCCAG-----
M51: -----AGGAGCTG--
M52: -----CAGAGCTG--
M53: --AGGGCAGG-----
M54: -GGAAAGAG-----
M55: --GGGGAAGG-----
M56: ---CTGCAGCC-----
M57: ---CCCCAGCC-----
M58: -CTCCCAG-----
M59: ---CTGGAGGA-----
M60: -----CAGGAGAG--
M61: ---GGAGAGGG-----
M62: -----CAGGGAAG--
M63: -----CAGCCCAG--
M64: --TTCCCAGG-----
M65: --CTGGGAGG-----

Stamp Results

10/01/13

```
M66: -----CAGGGCAG--
M67: ----TGGGGGTG----
M68: ---AGGAGGGG----
M69: -----CCAGCCCC---
M70: -----CAGGCAGG--
M71: -CCCAGCAG-----
M72: -----CCAGAGCC---
M73: --GGAAAAGG-----
M74: -----CAGGGCTG--
M75: ---GCAGAGGC-----
M76: -----CCAGGCTG---
M77: --GGCGGCGG-----
M78: ---CTCCAGCT-----
M79: --AGCCCAGG-----
M80: -----AGTTCITT-
M81: --CCCAGAGG-----
M82: ---GAGAAGGA-----
M83: --CCTCCAGG-----
M84: -----CAGGAGGA--
M85: ----CTGAGGAA----
M86: -----AGGGGCGG-
M87: -GGGGAGAG-----
M88: -----CCAGCTCT---
M89: -----CAGAGCCC--
M90: ----CAGAGGGA----
M91: -----CAGGAGCT--
M92: ----GGAAGCCA----
M93: -GGAGCCAG-----
M94: -----AGTTTCTT-
M95: -----GAGGCTGC--
M96: -----GTGGGGGA--
M97: ---CTCCAGGC-----
M98: ---TGGGTGGG-----
```

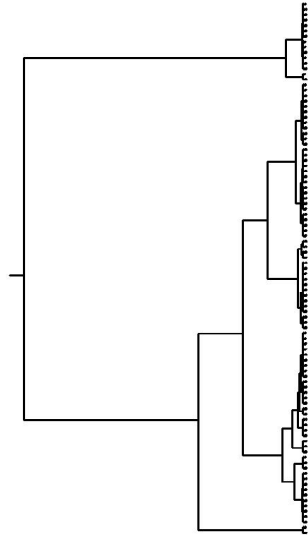
Familial Profile:
(click for matrix)



Motif Tree

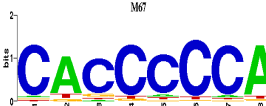
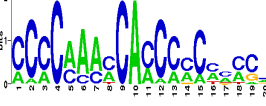
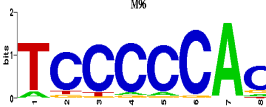

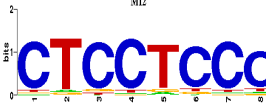
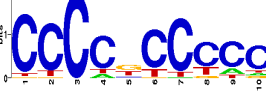
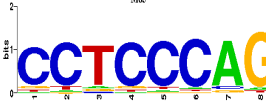

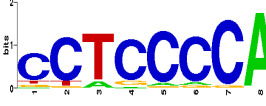
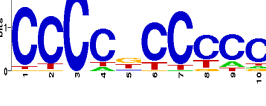
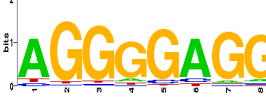
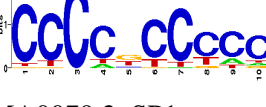

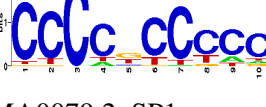
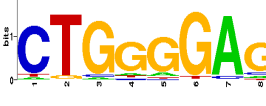

Tree (drawn by [Phylip](#))

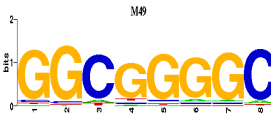

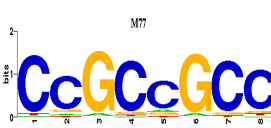

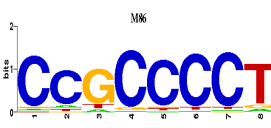
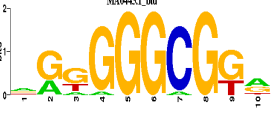
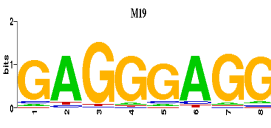
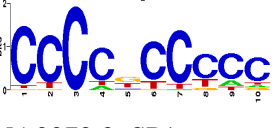
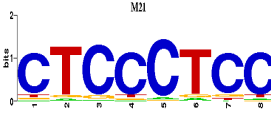

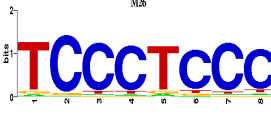
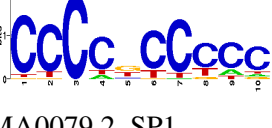
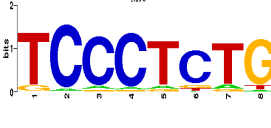

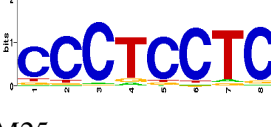
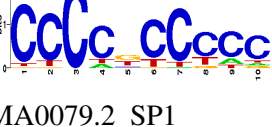
[Click here for Newick-format tree](#) (viewable with [MEGA](#))

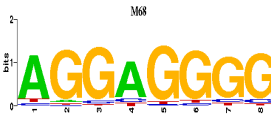
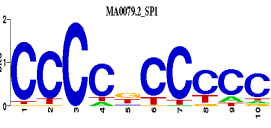
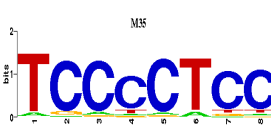
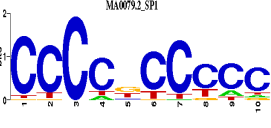
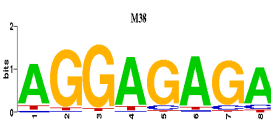

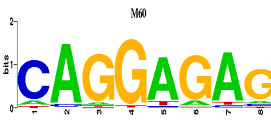

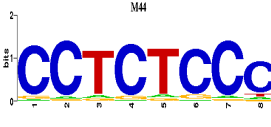
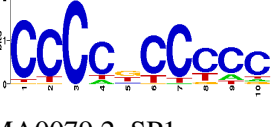
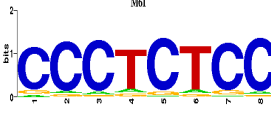
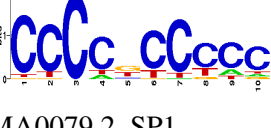
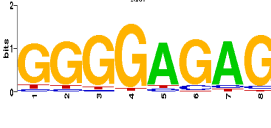
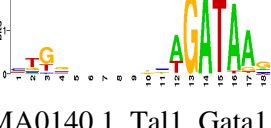
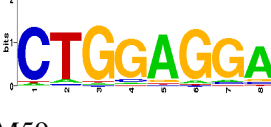
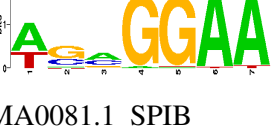


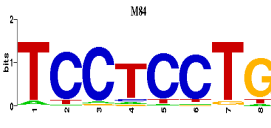
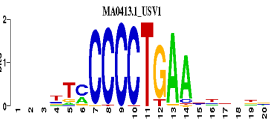
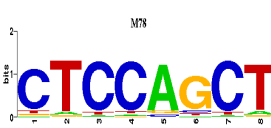
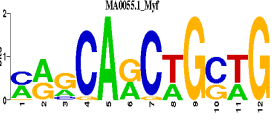
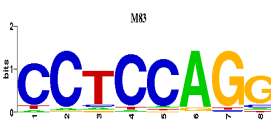

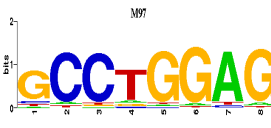
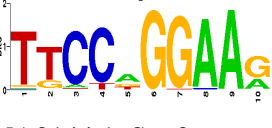
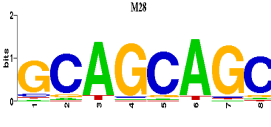

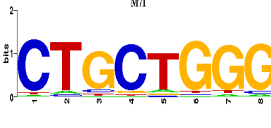

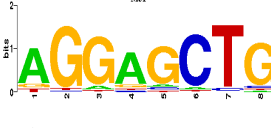

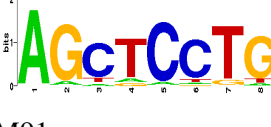
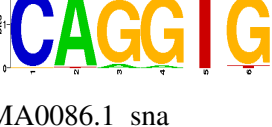
Input Motif	Best match in JASPAR
<p>M0</p>	<p>MA0277.1_AZF1</p> <p>MA0277.1_AZF1 (E val: 6.4182e-08)</p>
<p>M14</p>	<p>MA0042.1_FOXI1</p> <p>MA0042.1_FOXI1 (E val: 2.3907e-07)</p>
<p>M15</p>	<p>MA0296.1_FKH1</p> <p>MA0296.1_FKH1 (E val: 1.0462e-06)</p>
<p>M16</p>	<p>MA00445.1_D</p> <p>MA00445.1_D (E val: 1.7731e-06)</p>
<p>M20</p>	<p>MA0137.1_STAT1</p> <p>MA0137.1_STAT1 (E val: 2.7629e-05)</p>
<p>M36</p>	<p>MA0388.1_SPT23</p> <p>MA0388.1_SPT23 (E val: 6.9020e-08)</p>
<p>M46</p>	<p>MA0022.1_d1_1</p> <p>MA0022.1_d1_1 (E val: 1.7128e-07)</p>
<p>M4</p>	<p>MA0277.1_AZF1</p> <p>MA0277.1_AZF1</p>

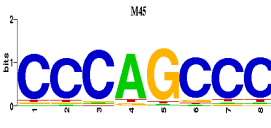
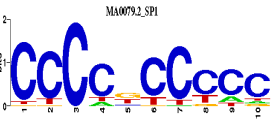
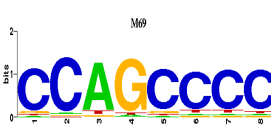
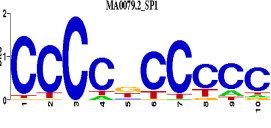
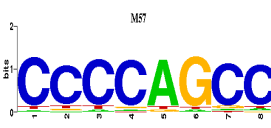

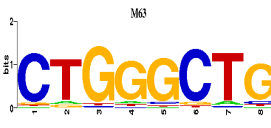

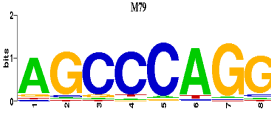

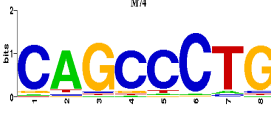

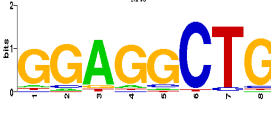

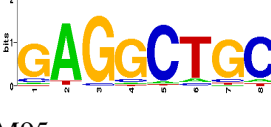
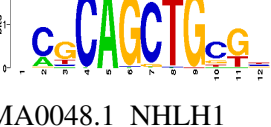
	(E val: 1.1275e-07)
<p>M7</p>	<p>MA0277.1_AZF1</p> <p>MA0277.1_AZF1 (E val: 4.3533e-09)</p>
<p>M80</p>	<p>MA0277.1_AZF1</p> <p>MA0277.1_AZF1 (E val: 7.9023e-06)</p>
<p>M6</p>	<p>MA0277.1_AZF1</p> <p>MA0277.1_AZF1 (E val: 8.6549e-06)</p>
<p>M10</p>	<p>MA0277.1_AZF1</p> <p>MA0277.1_AZF1 (E val: 1.0482e-07)</p>
<p>M94</p>	<p>MA0277.1_AZF1</p> <p>MA0277.1_AZF1 (E val: 1.7310e-05)</p>
<p>M1</p>	<p>MA0151.1_ARID3A</p> <p>MA0151.1_ARID3A (E val: 7.1056e-05)</p>
<p>M23</p>	<p>MA0151.1_ARID3A</p> <p>MA0151.1_ARID3A (E val: 1.7062e-08)</p>
<p>M2</p>	<p>MA0079.2_SP1</p> <p>MA0079.2_SP1 (E val: 3.8651e-07)</p>

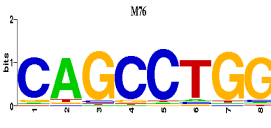
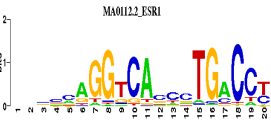
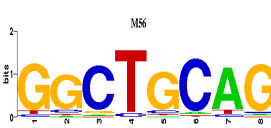
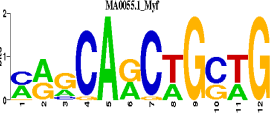
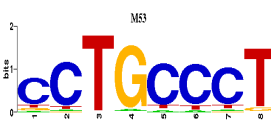
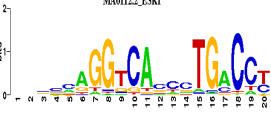
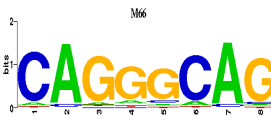

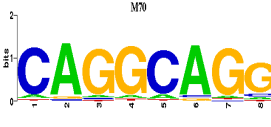

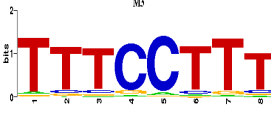

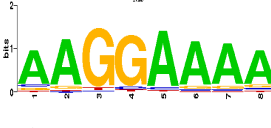
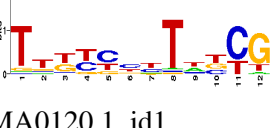
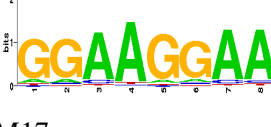

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<p>M12</p>  <p>CTcCTccc</p>	<p>MA0079.2_SP1 (E val: 4.7743e-06)</p> 
<p>M65</p>  <p>CCTCCCAG</p>	<p>MA0320.1_IME1 (E val: 2.0805e-04)</p> 
<p>M30</p>  <p>ccTcccCA</p>	<p>MA0079.2_SP1 (E val: 3.6329e-06)</p> 
<p>M32</p>  <p>AGGGGAGG</p>	<p>MA0079.2_SP1 (E val: 1.0380e-06)</p> 
<p>M47</p>  <p>GGGGAGGA</p>	<p>MA0079.2_SP1 (E val: 1.2322e-06)</p> 
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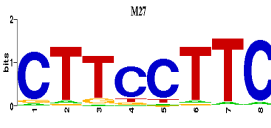
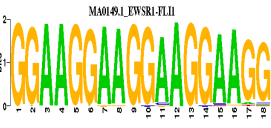
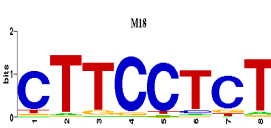
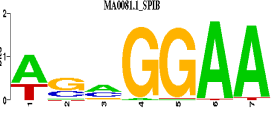
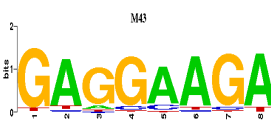

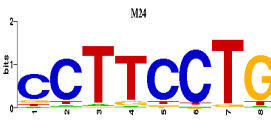

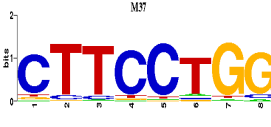
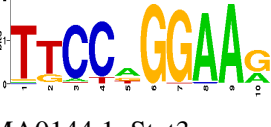
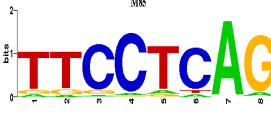
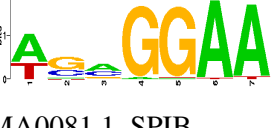


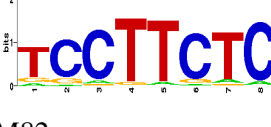

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 <p>M86</p>	 <p>MA0443.1_btd (E val: 2.5374e-08)</p>
 <p>M19</p>	 <p>MA0079.2_SP1 (E val: 8.9499e-06)</p>
 <p>M21</p>	 <p>MA0410.1_UGA3 (E val: 2.5343e-05)</p>
 <p>M26</p>	 <p>MA0079.2_SP1 (E val: 8.3064e-07)</p>
 <p>M90</p>	 <p>MA0413.1_USV1 (E val: 2.9784e-05)</p>
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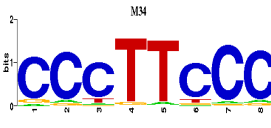
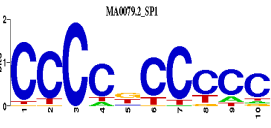
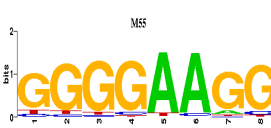
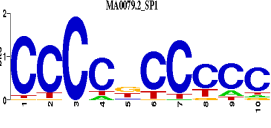
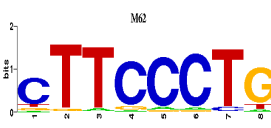
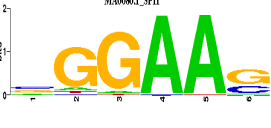
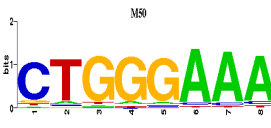
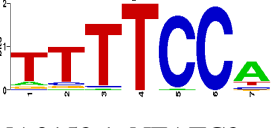
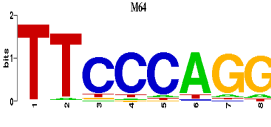

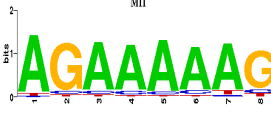

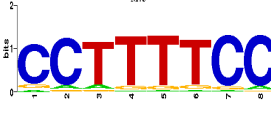
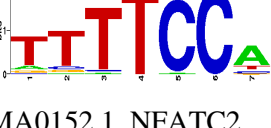
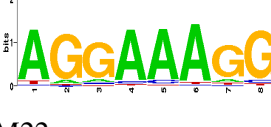
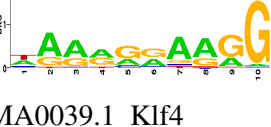
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<p>M35</p>  <p>M35</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.2683e-06)</p>
<p>M38</p>  <p>M38</p>	<p>MA0354.1_PDR8</p>  <p>MA0354.1_PDR8 (E val: 6.5467e-04)</p>
<p>M60</p>  <p>M60</p>	<p>MA0086.1_sna</p>  <p>MA0086.1_sna (E val: 1.1161e-04)</p>
<p>M44</p>  <p>M44</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.1853e-05)</p>
<p>M61</p>  <p>M61</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.2965e-05)</p>
<p>M87</p>  <p>M87</p>	<p>MA0140.1_Tal1_Gata1</p>  <p>MA0140.1_Tal1_Gata1 (E val: 6.6498e-06)</p>
<p>M59</p>  <p>M59</p>	<p>MA0081.1_SPIB</p>  <p>MA0081.1_SPIB (E val: 8.3437e-04)</p>
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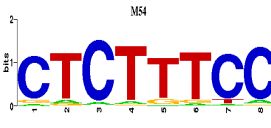
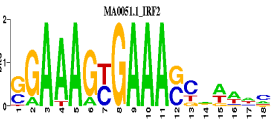
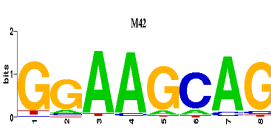
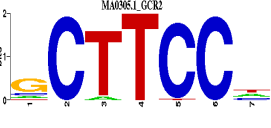
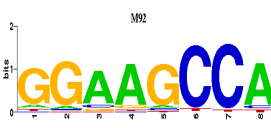

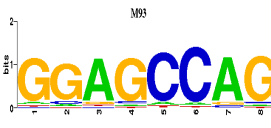

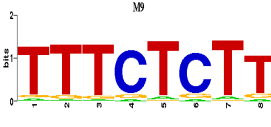
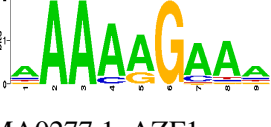
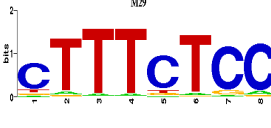
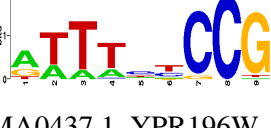
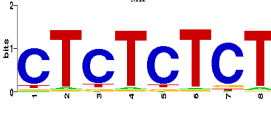
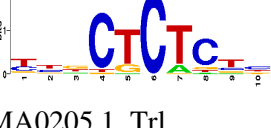
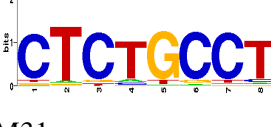

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 <p>M83</p>	 <p>MA0144.1_Stat3 (E val: 2.9155e-05)</p>
 <p>M97</p>	 <p>MA0144.1_Stat3 (E val: 2.9889e-05)</p>
 <p>M28</p>	 <p>MA0055.1_Myf (E val: 1.9498e-07)</p>
 <p>M71</p>	 <p>MA0402.1_SWI5 (E val: 1.7969e-06)</p>
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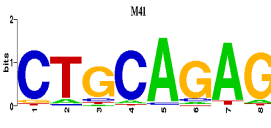
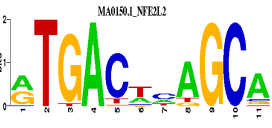
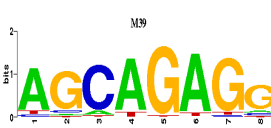
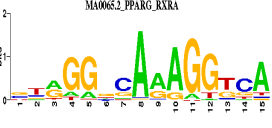
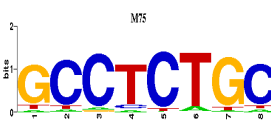
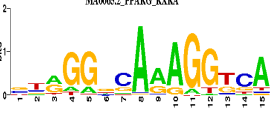
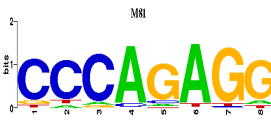

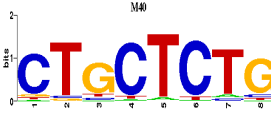



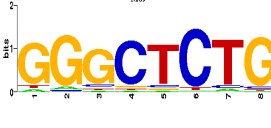

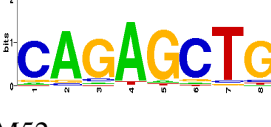
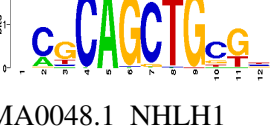
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<p>M69</p>  <p>M69</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 2.0652e-06)</p>
<p>M57</p>  <p>M57</p>	<p>MA0344.1_NHP10</p>  <p>MA0344.1_NHP10 (E val: 1.2555e-05)</p>
<p>M63</p>  <p>M63</p>	<p>MA0320.1_IME1</p>  <p>MA0320.1_IME1 (E val: 4.0474e-04)</p>
<p>M79</p>  <p>M79</p>	<p>MA0162.1_Egr1</p>  <p>MA0162.1_Egr1 (E val: 3.6152e-04)</p>
<p>M74</p>  <p>M74</p>	<p>MA0403.1_TBF1</p>  <p>MA0403.1_TBF1 (E val: 9.9301e-05)</p>
<p>M48</p>  <p>M48</p>	<p>MA0412.1_UME6</p>  <p>MA0412.1_UME6 (E val: 5.8373e-04)</p>
<p>M95</p>  <p>M95</p>	<p>MA0048.1_NHLH1</p>  <p>MA0048.1_NHLH1 (E val: 1.8361e-03)</p>

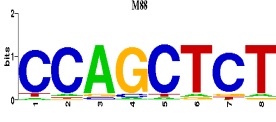
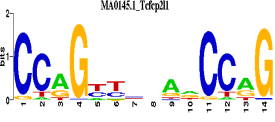
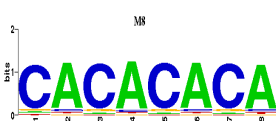

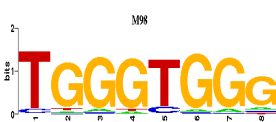

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<p>M56</p> 	<p>MA0055.1_Myf (E val: 3.3410e-04)</p> 
<p>M53</p> 	<p>MA0112.2_ESR1 (E val: 5.5629e-06)</p> 
<p>M66</p> 	<p>MA0364.1_REI1 (E val: 1.7335e-04)</p> 
<p>M70</p> 	<p>MA0340.1_MOT3 (E val: 2.5737e-05)</p> 
<p>M3</p> 	<p>MA0277.1_AZF1 (E val: 4.0495e-09)</p> 
<p>M5</p> 	<p>MA0120.1_id1 (E val: 8.2748e-08)</p> 
<p>M17</p> 	<p>MA0149.1_EWSR1-FLI1 (E val: 1.0396e-10)</p> 

 <p>M27</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 1.1019e-10)</p>
 <p>M18</p>	 <p>MA0081.1_SPIB (E val: 1.0064e-09)</p>
 <p>M43</p>	 <p>MA0080.2_SPI1 (E val: 2.3773e-07)</p>
 <p>M24</p>	 <p>MA0156.1_FEV (E val: 2.6631e-08)</p>
 <p>M37</p>	 <p>MA0144.1_Stat3 (E val: 6.5420e-12)</p>
 <p>M85</p>	 <p>MA0081.1_SPIB (E val: 3.5876e-07)</p>
 <p>M33</p>	 <p>MA0039.1_Klf4 (E val: 8.3773e-05)</p>
 <p>M82</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 2.7652e-04)</p>

 <p>M34</p>	 <p>MA0079.2_SP1 (E val: 3.1012e-06)</p>
 <p>M55</p>	 <p>MA0079.2_SP1 (E val: 3.0764e-06)</p>
 <p>M62</p>	 <p>MA0080.1_SP1 (E val: 4.5796e-05)</p>
 <p>M50</p>	 <p>MA0152.1_NFATC2 (E val: 1.7637e-06)</p>
 <p>M64</p>	 <p>MA0344.1_NHP10 (E val: 1.3679e-05)</p>
 <p>M11</p>	 <p>MA0277.1_AZF1 (E val: 9.1374e-06)</p>
 <p>M73</p>	 <p>MA0152.1_NFATC2 (E val: 1.6509e-07)</p>
 <p>M22</p>	 <p>MA0039.1_Klf4 (E val: 2.1027e-07)</p>

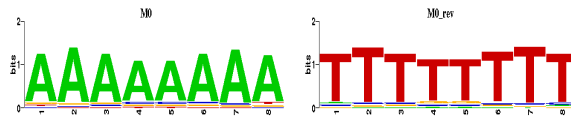
 <p>M54</p>	 <p>MA0051.1_IRF2 (E val: 5.3141e-05)</p>
 <p>M42</p>	 <p>MA0305.1_GCR2 (E val: 2.0976e-07)</p>
 <p>M92</p>	 <p>MA0304.1_GCR1 (E val: 7.8851e-10)</p>
 <p>M93</p>	 <p>MA0213.1_brk (E val: 4.5041e-06)</p>
 <p>M9</p>	 <p>MA0277.1_AZF1 (E val: 2.0391e-07)</p>
 <p>M29</p>	 <p>MA0437.1_YPR196W (E val: 9.6603e-08)</p>
 <p>M13</p>	 <p>MA0205.1_Tr1 (E val: 3.4007e-03)</p>
 <p>M31</p>	 <p>MA0283.1_CHA4 (E val: 3.3660e-05)</p>

 <p>M41</p>	 <p>MA0150.1_NFE2L2 (E val: 4.7483e-04)</p>
 <p>M39</p>	 <p>MA0065.2_PPARG_RXRA (E val: 1.2545e-04)</p>
 <p>M75</p>	 <p>MA0065.2_PPARG_RXRA (E val: 6.7738e-05)</p>
 <p>M81</p>	 <p>MA0332.1_MET28 (E val: 1.3440e-04)</p>
 <p>M40</p>	 <p>MA0451.1_kni (E val: 1.1839e-04)</p>
 <p>M72</p>	 <p>MA0332.1_MET28 (E val: 2.1039e-04)</p>
 <p>M89</p>	 <p>MA0316.1_HAP5 (E val: 1.8672e-05)</p>
 <p>M52</p>	 <p>MA0048.1_NHLH1 (E val: 1.5115e-03)</p>

 <p>M88</p>	 <p>MA0145.1_Tcfp211 (E val: 1.0171e-04)</p>
 <p>M8</p>	 <p>MA0009.1_T (E val: 1.0699e-03)</p>
 <p>M98</p>	 <p>MA0039.2_Klf4 (E val: 1.5154e-06)</p>


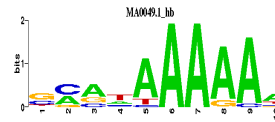
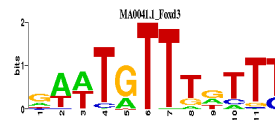
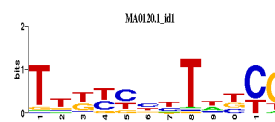

Motif Similarity Matches

M0

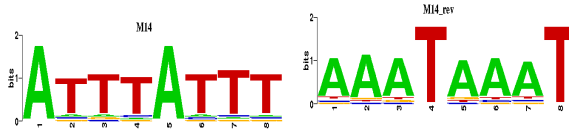


forward

reverse compliment

Name	E value	Alignment	Motif
MA0277.1_AZF1	6.4182e-08	-TTTTTTTT TTCCTTTT	
MA0049.1_hb	3.0887e-06	-TTTTTTTT- NTTTTNYKS	
MA0041.1_Foxd3	7.7933e-05	AAAAAAA---- AAANAAACAWTN	
MA0120.1_id1	4.3421e-04	----AAAAAAA CGNANNRRMNA	
MA0010.1_br_Z1	1.1959e-03	-TTTTTTTT----- NWYTTGTYTATNAN	

M14

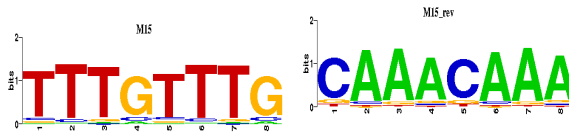


forward

reverse compliment

Name	E value	Alignment	Motif
MA0042.1_FOXI1	2.3907e-07	AAATAAAT---- AWAYAAAYANN	
MA0216.1_cad	3.2180e-07	AAATAAAT YAATAAA-	
MA0047.1_Foxa2	3.2986e-07	----ATTTATTT NANTATTTTRYTT	
MA0174.1_CG42234	1.0556e-05	ATTTATTT -TTWATKA	
MA0135.1_Lhx3	1.1817e-05	----ATTTATTT NRWTAATTAATTW	

M15



forward

reverse compliment

Name	E value	Alignment	Motif
MA0296.1_FKH1	1.0462e-06	-----CAAACAAA----- NNWNNTGTAAACAAANNNNN	

MA0013.1_br_Z4 1.2612e-06

TTTGTTTG---
WTWNTTTACTA



MA0041.1_Foxd3 1.4569e-06

-----TTTGTTTG
NAWTGTTTNTTT-



MA0042.1_FOXI1 1.9384e-06

-----TTTGTTTG
NNNRTRTTTRTWT-

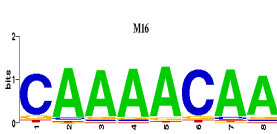


MA0010.1_br_Z1 1.8630e-05

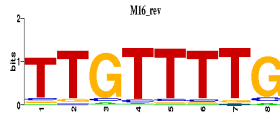
----CAAACAAA--
NTNATARACAARWN



M16



forward



reverse compliment

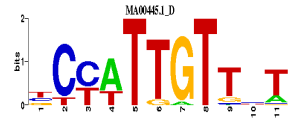
Name E value

Alignment

Motif

MA00445.1_D 1.7731e-06

----TTGTTTGG
NCYATTGTTNT-



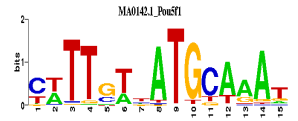
MA0143.1_Sox2 5.0823e-06

---TTGTTTGG---
CCWTTGTNATGCANA



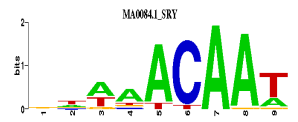
MA0142.1_Pou5f1 1.0342e-05

----CAAACAAA--
ATTGTCATNACAAG



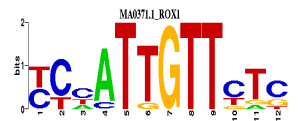
MA0084.1_SRY 2.3189e-05

-TTGTTTGG
ATTGTTWNN

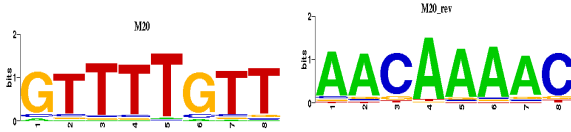


MA0371.1_ROX1 3.2284e-05

CAAACAAA----
GAGAACAATNGR



M20

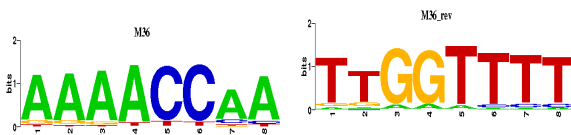


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0137.1_STAT1	2.7629e-05	--GTTTTGTT---- NAGTTTCNNTTTCY	
MA0442.1_SOX10	1.4548e-04	GTTTTGTT -CWTGT-	
MA0087.1_Sox5	1.7513e-04	GTTTTGTT- --ATTGTTN	
MA0010.1_br_Z1	3.2017e-04	GTTTTGTT----- NWYTTGTYTATNAN	
MA0013.1_br_Z4	4.0638e-04	GTTTTGTT----- --WTWNTTACTA	

M36



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0388.1_SPT23	6.9020e-08	TTGGTTTT TTSATTTY	
MA0313.1_HAP2	3.1867e-05	AAAACCAA ---RCCAA	

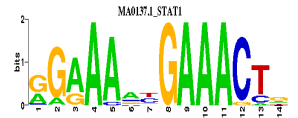
MA0235.1_onecut 3.6921e-05

TTGGTTTT
TTGATTN-



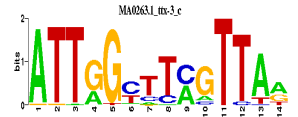
MA0137.1_STAT1 4.2398e-05

----TTGGTTTT--
NAGTTTCNNTTTCY

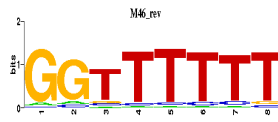
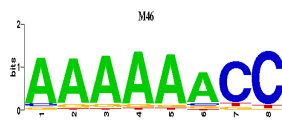


MA0263.1_ttx-3_c 4.4994e-05

-----AAAACCAA--
YTAACKAARCCAAT



M46



forward

reverse compliment

Name

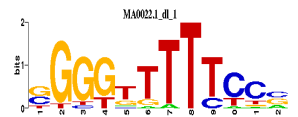
E value

Alignment

Motif

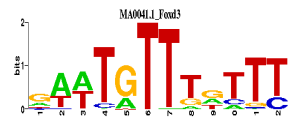
MA0022.1_dl_1 1.7128e-07

---AAAAAACC--
NGGAAAAACCCS



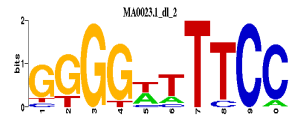
MA0041.1_Foxd3 1.1203e-04

-AAAAAACC---
AAANAAACAWTN



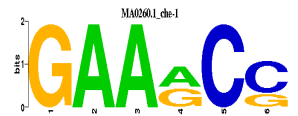
MA0023.1_dl_2 2.5259e-04

AAAAAACC--
GGAAAWCCCC



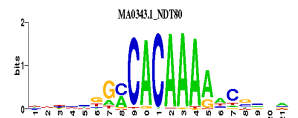
MA0260.1_che-1 4.4186e-04

GGTTTTTT
GGYTTC--

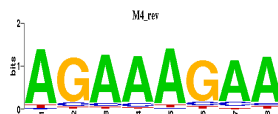
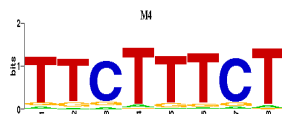



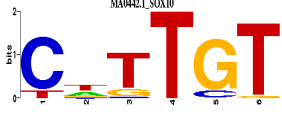


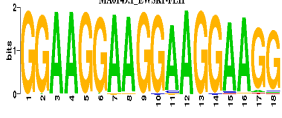
MA0343.1_NDT80 7.4609e-04

---GGTTTTTT-----
NNNNGNTTTTGTGKCNNNNNN

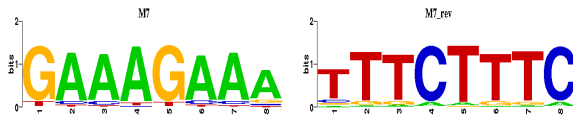



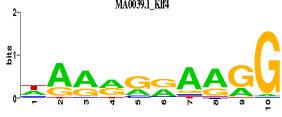


M4



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	1.1275e-07	AGAAAGAA- AAAAAGAAA	
MA0442.1_SOX10	2.7528e-04	AGAAAGAA ACAANG--	
MA0080.2_SPI1	1.1165e-03	TTCTTTCT -ACTTCT	
MA0407.1_THI2	1.5461e-03	-TTCTTTCT----- GTTCTTASRGTTKCC	
MA0149.1_EWSR1-FLI1	1.6651e-03	--TTCTTTCT----- CCTTCCTTCCTTCCTTC	

M7



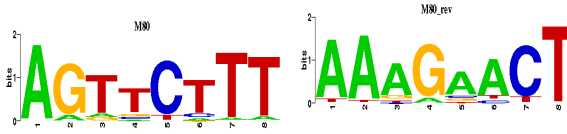
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	4.3533e-09	TTTCTTTC- TTTCTTTT	
MA0039.1_Klf4	8.3817e-05	--TTTCTTTC CCTTYYTTN	
MA0370.1_RME1	1.1976e-04	TTTCTTTC-- TNCCTTTNNA	
MA0216.1_cad	1.0890e-03	GAAAGAAA -YAATAAA	

MA0042.1_FOXI1 1.5618e-03

GAAAGAAA-----
-AWAYAAAYANNN



M80

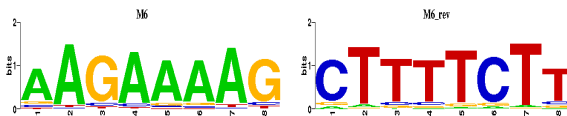


forward

reverse compliment

Name	E value	Alignment	Motif
MA0277.1_AZF1	7.9023e-06	--AAAGAACT AAAAAGAAA-	
MA0407.1_THI2	1.6850e-04	AGTTCTTT----- -GTTCTTASRGTTKCC	
MA0127.1_PEND	2.4926e-04	AGTTCTTT-- ANTTCTTATK	
MA0336.1_MGA1	1.5371e-03	-----AGTTCTTT----- NNNNNNRGTTCNTNNNNNN	
MA0389.1_SRD1	1.6302e-03	--AGTTCTTT NNAGATCT--	


M6



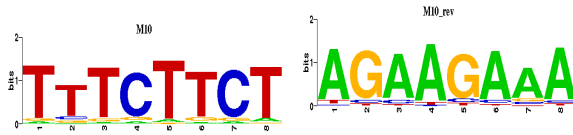
forward

reverse compliment

Name	E value	Alignment	Motif
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MA0277.1_AZF1	8.6549e-06	CTTTTCTT--- --TTTCTTTTT	
MA0039.1_Klf4	3.3857e-05	CTTTTCTT-- CCTTYYYYTTN	
MA0287.1_CUP2	1.0787e-04	---AAGAAAAG CAGCARAAAWG	
MA0152.1_NFATC2	1.7265e-04	AAGAAAAG TGGAAA--	
MA0035.2_Gata1	4.8671e-04	-AAGAAAAG-- NNAGATAANN	

M10



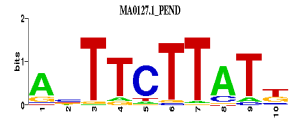
forward

reverse compliment

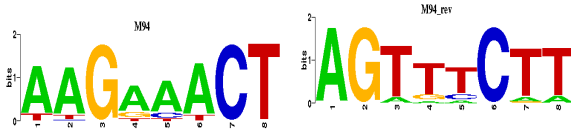
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	1.0482e-07	TTTCTTCT- TTTCTTTTT	
MA0287.1_CUP2	3.1423e-06	--TTTCTTCT- CWTTYTGCTG	
MA0377.1_SFL1	7.9117e-06	-----TTTCTTCT----- WNWNNNWCTTCNNTNNNNNN	
MA0081.1_SPIB	2.9469e-05	TTTCTTCT -TTCKST	

MA0127.1_PEND 3.5515e-05

-AGAAGAAA-
MATAAGAANT



M94

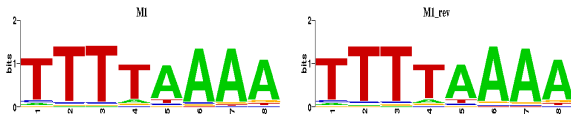


forward

reverse compliment

Name	E value	Alignment	Motif
MA0277.1_AZF1	1.7310e-05	AGTTTCTT--- --TTTCTTTTT	
MA0137.1_STAT1	3.3686e-05	-AGTTTCTT----- NAGTTTCNNTTTCY	
MA0393.1_STE12	2.4177e-04	AGTTTCTT YGTTC A-	
MA0260.1_che-1	3.8350e-04	AAGAACT --GAARCC	
MA0040.1_Foxq1	7.1788e-04	AAGAACT--- WATAACAATN	

M1



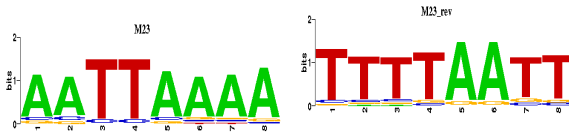
forward

reverse compliment

Name	E value	Alignment	Motif
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MA0151.1_ARID3A	7.1056e-05	TTTTAAAA -ATTAAA-	
MA0218.1_ct	1.3090e-03	TTTTAAAA GTTYAA--	
MA0173.1_CG11617	1.5679e-03	-TTTTAAAA ATGTWAA--	
MA0108.1_TBP	1.6329e-03	-----TTTTAAAA NNNNNNYWTTTATAN	
MA0108.2_TBP	1.6371e-03	-----TTTTAAAA NNNNNNYWTTTATAN	

M23



forward

reverse compliment

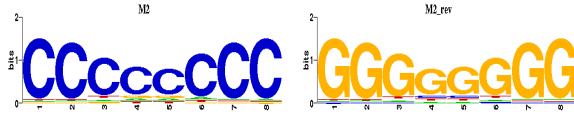
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0151.1_ARID3A	1.7062e-08	TTTTAATT -TTAAT-	
MA0226.1_hbn	1.6242e-07	TTTTAATT- --TTAATTR	
MA0194.1_Lim1	1.7123e-07	-AATTAAAA TAATTAA--	
MA0208.1_al	1.8618e-07	TTTTAATT- --TTAATTA	

MA0240.1_repo 1.8873e-07

-AATTAAAA
TAATTAA--



M2

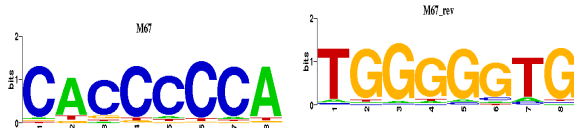


forward

reverse compliment

Name	E value	Alignment	Motif
MA0079.2_SP1	3.8651e-07	--GGGGGGGG GGGGNGGGG	
MA0068.1_Pax4	9.1248e-07	GGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWT TY	
MA0443.1_btd	1.9214e-06	-GGGGGGGG- NGKGGGCGGR	
MA0456.1_opa	2.9789e-06	--GGGGGGGG-- CNGCGGGGGGKC	
MA0073.1_RREB1	3.0458e-06	-----CCCCCCC- CCCCAAAMCACCCMMMCNCN	

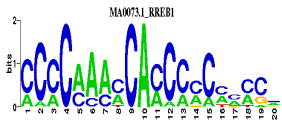

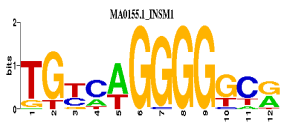


M67



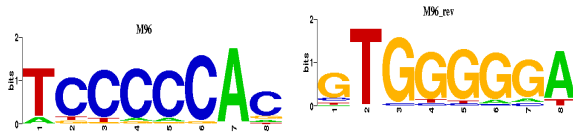
forward

reverse compliment

Name E value Alignment Motif




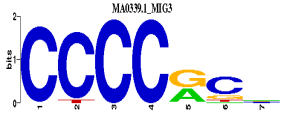
MA0073.1_RREB1	2.7608e-06	----TGGGGGTG----- NGKKGKGGGTGKTTTGGGG	
MA0450.1_hkb	1.7675e-05	TGGGGGTG- KGGCGTGA	
MA0155.1_INSM1	1.7635e-04	----TGGGGGTG TGYCAGGGGGCR	
MA0268.1_ADR1	2.0551e-04	CACCCCCA- --NCCCCAM	
MA0436.1_YPR022C	2.2512e-04	CACCCCCA-- ---CCCCACN	

M96



forward

reverse compliment

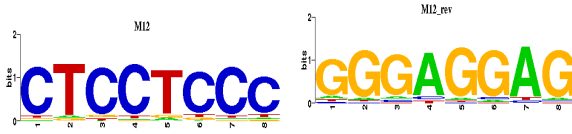
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0436.1_YPR022C	2.1038e-07	-GTGGGGGA NGTGGGG--	
MA0268.1_ADR1	9.8336e-07	GTGGGGGA KTGGGGN-	
MA0337.1_MIG1	1.1441e-05	TCCCCCAC -NCCCCRS	
MA0339.1_MIG3	1.5938e-05	-GTGGGGGA NGYGGGG--	

MA0056.1_MZF1_1-4 2.4743e-05

TCCCCAC
TCCCN--



M12

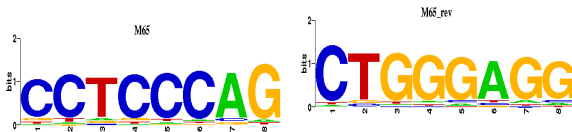


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	4.7743e-06	--GGGAGGAG GGGGNGGGG	
MA0283.1_CHA4	2.5983e-05	GGGAGGAG-- -GGCGGAGN	
MA0062.1_GABPA	3.1358e-04	CTCCTCCC-- SNCTTCCGGT	
MA0443.1_btd	3.9782e-04	CTCCTCCC--- -YCCGCCMCN	
MA0081.1_SPIB	7.6658e-04	GGGAGGAG -ASMGGAA	

M65



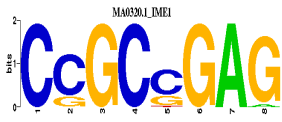
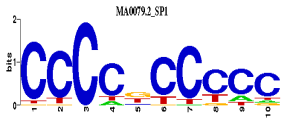
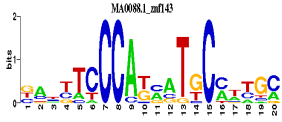
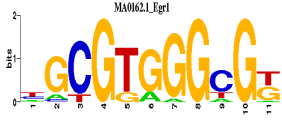

forward

reverse compliment

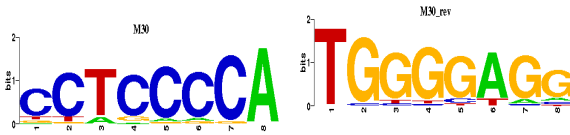
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Stamp Results

10/01/13

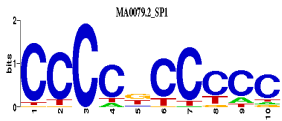

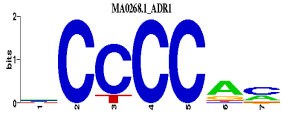

MA0320.1_IME1	2.0805e-04	CTGGGAGG CTCGGCGG	
MA0079.2_SP1	4.5374e-04	CTGGGAGG-- GGGGNGGGG	
MA0088.1_znf143	9.6839e-04	-----CTGGGAGG-- KCNNKGMANNMTGGGANNNN	
MA0162.1_Egr1	1.5571e-03	CCTCCCAG--- MCGCCACGCN	
MA0344.1_NHP10	2.8687e-03	CCTCCCAG-- --TCCCCGN	

M30



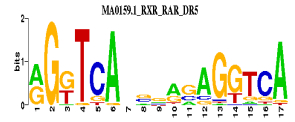
forward

reverse compliment

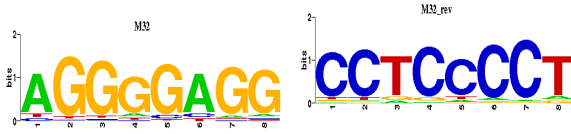
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	3.6329e-06	TGGGGAGG-- GGGGNGGGG	
MA0056.1_MZF1_1-4	2.4796e-05	CCTCCCCA --TCCCN	
MA0268.1_ADR1	2.3189e-04	-TGGGGAGG KTGGGN--	
MA0436.1_YPR022C	2.6988e-04	--TGGGGAGG NGTGGG---	

MA0159.1_RXR_RAR_DR5 2.7962e-04

-----TGGGGAGG-----
 RGKTCANNNRNAGGTCA



M32

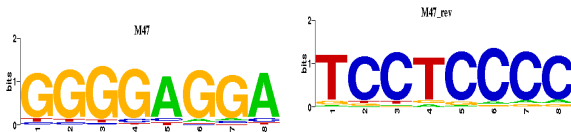


forward

reverse compliment

Name	E value	Alignment	Motif
MA0079.2_SP1	1.0380e-06	AGGGGAGG-- GGGGGNGGGG	
MA0366.1_RGM1	1.8871e-06	CCTCCCCT ---CCCCT	
MA0342.1_MSN4	2.3510e-06	CCTCCCCT ---CCCCT	
MA0341.1_MSN2	7.7435e-06	CCTCCCCT ---CCCCT	
MA0056.1_MZF1_1-4	2.2570e-05	CCTCCCCT --TCCCCN	

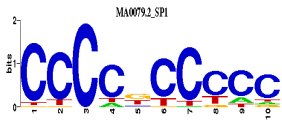
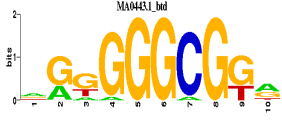

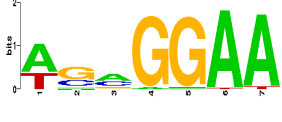

M47



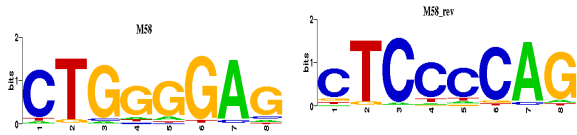
forward

reverse compliment

Name	E value	Alignment	Motif
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MA0079.2_SP1	1.2322e-06	-GGGGAGGA- GGGGGNGGGG	
MA0443.1_btd	1.8169e-06	--GGGGAGGA NGKGGGCGGR	
MA0056.1_MZF1_1-4	2.2503e-05	TCCTCCCC- ---TCCCN	
MA0081.1_SPIB	7.1357e-04	-TCCTCCCC TTCKST--	
MA0344.1_NHP10	7.4487e-04	---GGGGAGGA NCCGGGA---	

M58



forward

reverse compliment

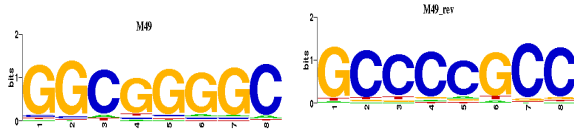
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	1.6662e-05	CTCCCCAG- -TCCCCGN	
MA0056.1_MZF1_1-4	2.0652e-05	CTCCCCAG -TCCCN-	
MA0332.1_MET28	1.7448e-04	CTCCCCAG --CCACAG	
MA0268.1_ADR1	2.1475e-04	CTGGGGAG KTGGGN-	

MA0436.1_YPR022C 2.2079e-04

-CTGGGGAG
NGTGGGG--



M49

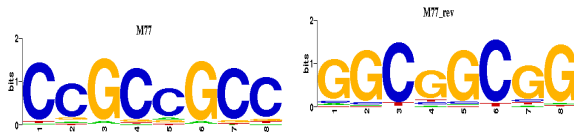


forward

reverse compliment

Name	E value	Alignment	Motif
MA0039.2_Klf4	2.8988e-09	GCCCCGCC-- GCCMCRCCCN	
MA0079.2_SP1	1.2862e-07	---GGCGGGGC GGGGNGGGG-	
MA0079.1_SP1	2.4483e-07	GCCCCGCC-- ACCCNGCCNN	
MA0399.1_SUT1	5.7167e-07	GGCGGGGC CGCGGGG-	
MA0338.1_MIG2	9.1234e-07	GGCGGGGC NGYGGGG-	

M77



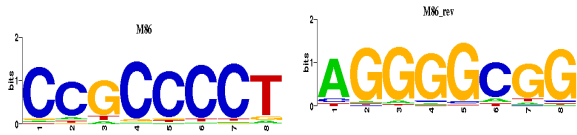
forward

reverse compliment

Name	E value	Alignment	Motif
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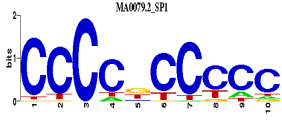


MA0320.1_IME1	2.4907e-06	GCGGCGG CTCGGCGG	
MA0443.1_btd	2.5674e-06	-CCGCCGCC- YCCGCCMCN	
MA0373.1_RPN4	3.5258e-06	CCGCCGCC -CGCCACC	
MA0079.2_SP1	4.1995e-06	GCGGCGG-- GGGGNGGGG	
MA0394.1_STP1	9.6406e-06	CCGCCGCC NMGCCGR	

M86



forward

reverse compliment

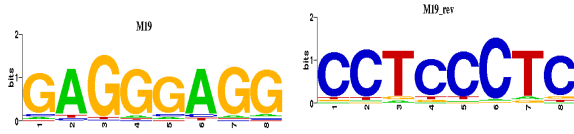
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0443.1_btd	2.5374e-08	-CCGCCCCT- YCCGCCMCN	
MA0079.2_SP1	1.8071e-07	--CCGCCCCT CCCNCCCC	
MA0366.1_RGM1	1.8894e-06	CCGCCCCT ---CCCCT	
MA0342.1_MSN4	2.3125e-06	CCGCCCCT ---CCCCT	

MA0341.1_MSN2 7.3436e-06

CCGCCCT
---CCCCT



M19

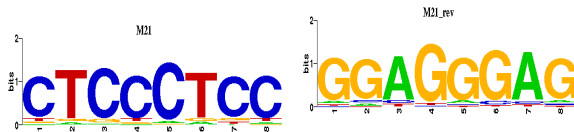


forward

reverse compliment

Name	E value	Alignment	Motif
MA0079.2_SPI	8.9499e-06	GAGGGAGG-- GGGGNGGGG	
MA0149.1_EWSR1-FLI1	1.1260e-03	-----CCTCCCTC-- CCTTCCTTCCTTCCTTC	
MA0080.2_SPI1	1.1328e-03	CCTCCCTC ACTTCCT-	
MA0443.1_btd	1.4296e-03	-GAGGGAGG- NGKGGCGGR	
MA0366.1_RGM1	1.8113e-03	CCTCCCTC --CCCCT-	

M21



forward

reverse compliment

Name	E value	Alignment	Motif
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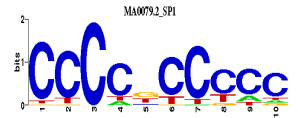
MA0410.1_UGA3 2.5343e-05

-GGAGGGAG
NGGCGGGA-



MA0079.2_SP1 3.4632e-04

---GGAGGGAG
GGGGNGGGG-



MA0290.1_DAL81 1.3110e-03

-CTCCCTCC-----
AATCCCGCCCGCGGCTTTT



MA0149.1_EWSR1-FLI1 1.4035e-03

----GGAGGGAG-----
GGAAGGAAGGAAGGAAGG

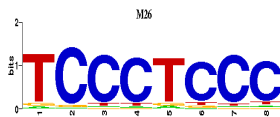


MA0080.2_SP1 1.6437e-03

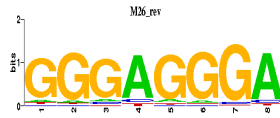
-CTCCCTCC
ACTTCCT--



M26



forward



reverse compliment

Name

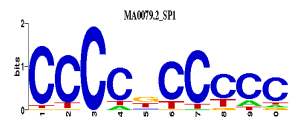
E value

Alignment

Motif

MA0079.2_SP1 8.3064e-07

--GGGAGGGA
GGGGNGGGG



MA0290.1_DAL81 3.7706e-06

-----GGGAGGGA--
AAAAGCCGCGGGCGGGATT



MA0410.1_UGA3 2.5949e-05

TCCCTCCC
TCCCGCCN



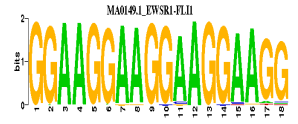
MA0450.1_hkb 1.8817e-04

-GGGAGGGA
KGGCGTGA

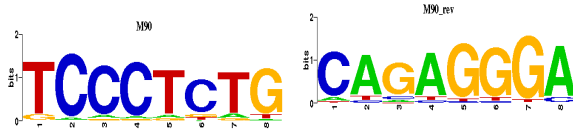


MA0149.1_EWSR1-FLI1 9.8913e-04

-----TCCCTCCC-----
CCTTCCTTCCTTCCTTCC



M90

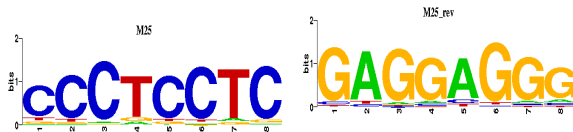


forward

reverse compliment

Name	E value	Alignment	Motif
MA0413.1_USV1	2.9784e-05	-----CAGAGGGA----- NNNNNNNTTCAGGGGKANNNN	
MA0081.1_SPIB	4.2712e-05	TCCCTCTG TTCKST-	
MA0456.1_opa	5.5149e-04	----TCCCTCTG GMCCCCCGCNG	
MA0370.1_RME1	7.8025e-04	TCCCTCTG-- TNCCTTNNNA	
MA0139.1_CTCF	1.0276e-03	-----CAGAGGGA----- YNNCCASYAGGKGGCRSNN	

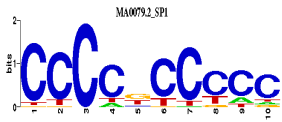
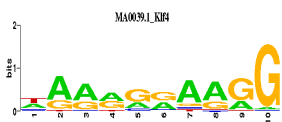



M25



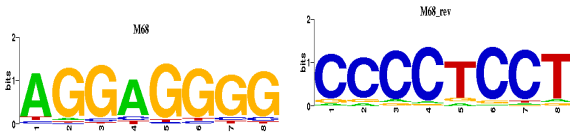
forward

reverse compliment

Name	E value	Alignment	Motif
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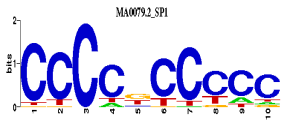

MA0079.2_SP1	1.5140e-06	-CCCTCCTC- CCCCNCCCC	
MA0039.1_Klf4	6.8389e-04	CCCTCCTC-- CCTTYYTTN	
MA0081.1_SPIB	7.8090e-04	CCCTCCTC- --TTCKST	
MA0080.2_SPI1	1.2852e-03	CCCTCCTC ACTTCT-	
MA0149.1_EWSR1-FLI1	1.3994e-03	-----CCCTCCTC-- CCTTCCTTCCTTCCTTC	

M68



forward

reverse compliment

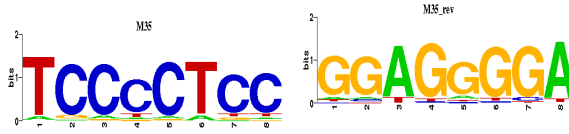
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	7.3404e-07	--AGGAGGGG GGGGNGGGG	
MA0366.1_RGM1	2.0335e-06	CCCCTCCT CCCCT---	
MA0342.1_MSN4	2.4930e-06	CCCCTCCT CCCCT---	
MA0341.1_MSN2	8.2658e-06	CCCCTCCT CCCCT---	

MA0431.1_YML081W 1.5247e-04

AGGAGGGG-
NWGNGGGGN



M35

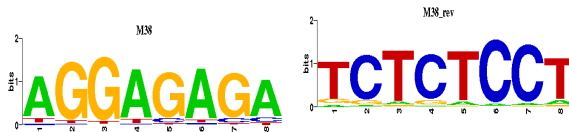


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.2683e-06	---GGAGGGGA GGGGGNGGGG-	
MA0366.1_RGM1	1.9327e-06	TCCCCTCC -CCCCT--	
MA0342.1_MSN4	2.2488e-06	TCCCCTCC -CCCCT--	
MA0341.1_MSN2	7.1585e-06	TCCCCTCC -CCCCT--	
MA0056.1_MZF1_1-4	1.9585e-05	TCCCCTCC TCCCN--	

M38






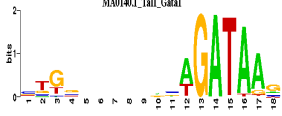

forward

reverse compliment

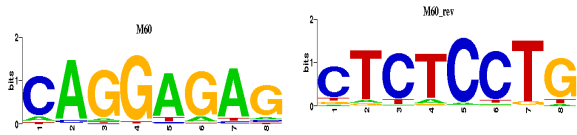
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Stamp Results

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MA0354.1_PDR8	6.5467e-04	TCTCTCCT- -ATCTCCGN	
MA0432.1_YNR063W	7.2340e-04	TCTCTCCT- -ATCTCCGA	
MA0009.1_T	7.4464e-04	-TCTCTCCT-- TTCACACCTAG	
MA0140.1_Tal1_Gata1	8.8464e-04	----TCTCTCCT----- NTTATCTNNNNNNNNCNN	
MA0422.1_YDR520C	9.9417e-04	-TCTCTCCT- NTAWNTC CGN	

M60



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0086.1_sna	1.1161e-04	CTCTCCTG --CACCTG	
MA0156.1_FEV	1.1416e-04	CTCTCCTG AYTTCCTG	
MA0432.1_YNR063W	6.5592e-04	CAGGAGAG TCGGAGAT	
MA0354.1_PDR8	6.5990e-04	CTCTCCTG ATCTCCGN	

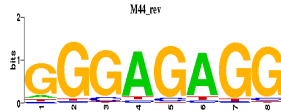
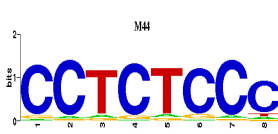
MA0364.1_REI1

1.7036e-03

-CAGGAGAG
NCAGGGG--



M44

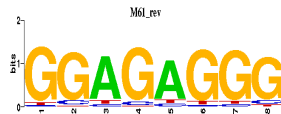
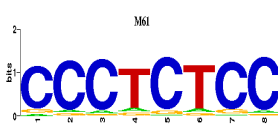


forward

reverse compliment

Name	E value	Alignment	Motif
MA0079.2_SP1	1.1853e-05	--CCTCTCCC CCCCNCCCCC	
MA0159.1_RXR_RAR_DR5	8.4730e-05	---CCTCTCCC----- TGACCTNYNNNTGAMCY	
MA0065.2_PPARG_RXRA	1.3641e-04	---CCTCTCCC----- TGMCCTTTGNCYYN	
MA0323.1_IXR1	4.4909e-04	--CCTCTCCC----- CMCCGCTTCCGGYTT	
MA0062.1_GABPA	4.5512e-04	CCTCTCCC--- -SNCTTCCGGT	

M61



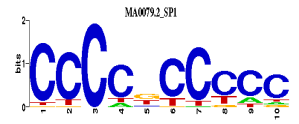
forward

reverse compliment

Name	E value	Alignment	Motif
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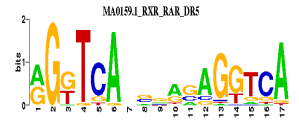
MA0079.2_SP1 1.2965e-05

-CCCTCTCC-
CCCCNCCCCC



MA0159.1_RXR_RAR_DR5 8.8247e-05

--CCCTCTCC-----
TGACCTNYNNNTGAMCY



MA0354.1_PDR8 6.7019e-04

CCCTCTCC--
--ATCTCCGN



MA0432.1_YNR063W 7.1542e-04

CCCTCTCC--
--ATCTCCGA

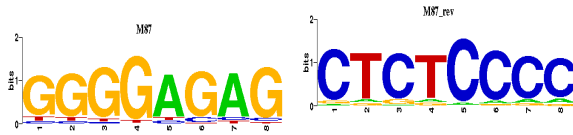


MA0081.1_SPIB 1.6243e-03

-CCCTCTCC
TTCKST--



M87



forward

reverse compliment

Name

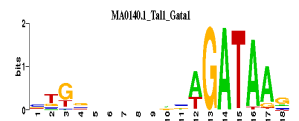
E value

Alignment

Motif

MA0140.1_Tal1_Gata1 6.6498e-06

-----CTCTCCCC-----
NTTATCTNNNNNNNNNCNN



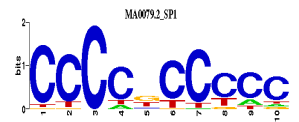
MA0056.1_MZF1_1-4 2.2781e-05

CTCTCCCC-
---TCCCN



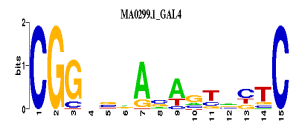
MA0079.2_SP1 2.4795e-05

-CTCTCCCC-
CCCCNCCCCC



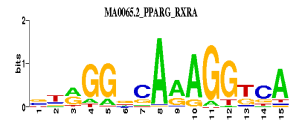
MA0299.1_GAL4 1.8210e-04

-----CTCTCCCC--
GANNRNTNTNNNCCG

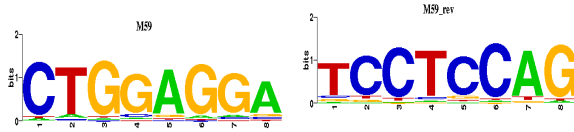


MA0065.2_PPARG_RXRA 2.9972e-04

----CTCTCCCC--
TGMCCTTGNCCYNN



M59

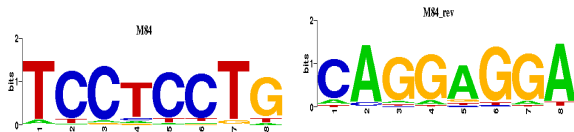


forward

reverse compliment

Name	E value	Alignment	Motif
MA0081.1_SPIB	8.3437e-04	-TCCTCCAG TTCCKST--	
MA0130.1_ZNF354C	1.0007e-03	CTGGAGGA GTGGAK--	
MA0090.1_TEAD1	1.0389e-03	-----TCCTCCAG YACATTCCWSNG-	
MA0451.1_kni	1.0683e-03	-TCCTCCAG--- NTGCTCTANTTT	
MA0062.1_GABPA	1.4660e-03	-TCCTCCAG- SNCTTCCGGT	

M84



forward

reverse compliment

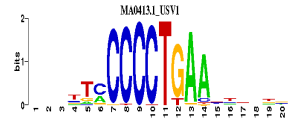
Name	E value	Alignment	Motif
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Stamp Results

10/01/13

MA0413.1_USV1 1.8836e-05

-----CAGGAGGA-----
NNNNNNTTCAGGGGKANNNN



MA0086.1_sna 1.7646e-04

TCCTCCTG
--CACCTG



MA0156.1_FEV 3.4642e-04

TCCTCCTG
AYTTCCTG



MA0144.1_Stat3 3.9060e-04

TCCTCCTG---
-CTTCCNGGAA

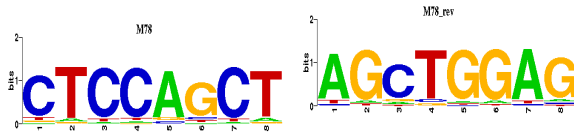


MA0062.1_GABPA 4.2109e-04

-CAGGAGGA-
ACCGGAAGNS



M78



forward

reverse compliment

Name

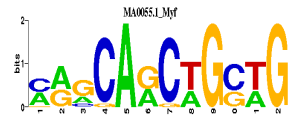
E value

Alignment

Motif

MA0055.1_Myf 3.4300e-05

CTCCAGCT-----
CAGCAGYTGCYK



MA0267.1_ACE2 1.7870e-04

AGCTGGAG
NGCTGGN-



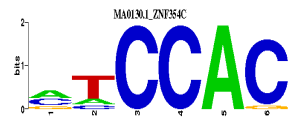
MA0402.1_SWI5 6.3001e-04

CTCCAGCT
NACCAGCA



MA0130.1_ZNF354C 1.0352e-03

AGCTGGAG
--GTGGAK



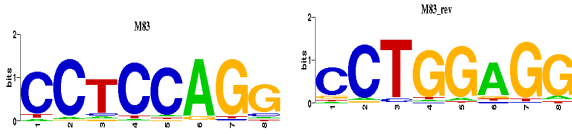
MA0451.1_kni

2.7905e-03

-AGCTGGAG---
AAANTAGAGCAN



M83

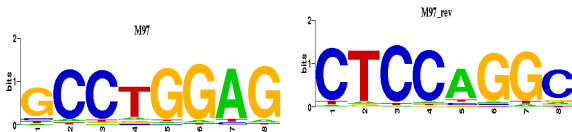


forward

reverse compliment

Name	E value	Alignment	Motif
MA0144.1_Stat3	2.9155e-05	---CCTGGAGG CTTCNNGGAA-	
MA0139.1_CTCF	1.7361e-04	-----CCTGGAGG--- NNSYGCCMCCTRSTGGNNR	
MA0154.1_EBF1	3.3886e-04	CCTCCAGG-- NCCCNAGGGA	
MA0130.1_ZNF354C	7.1529e-04	CCTGGAGG -GTGGAK-	
MA0440.1_ZAP1	2.3296e-03	--CCTCCAGG----- ACCYTMAAGGTNATG	

M97



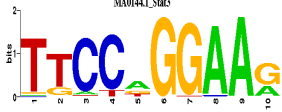
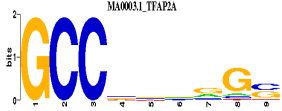
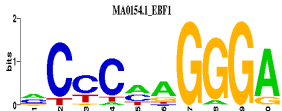


forward

reverse compliment

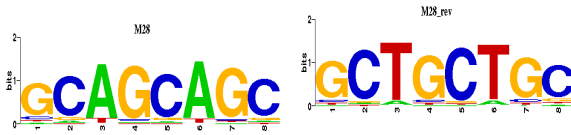
Name	E value	Alignment	Motif
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Stamp Results

10/01/13





MA0144.1_Stat3	2.9889e-05	--GCCTGGAG CTTCCNGGAA	
MA0003.1_TFAP2A	4.1116e-04	-CTCCAGGC SCNNNNGGC	
MA0154.1_EBF1	4.7113e-04	-GCCTGGAG- TCCCTNNGGN	
MA0130.1_ZNF354C	9.8863e-04	GCCTGGAG --GTGGAK	
MA0323.1_IXR1	1.6614e-03	--GCCTGGAG----- AARCCGGAAGCGGKG	

M28



forward

reverse compliment

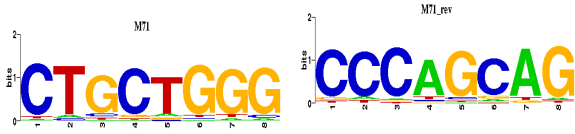
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	1.9498e-07	--GCTGCTGC-- CAGCAGYTGCYK	
MA0048.1_NHLH1	3.7975e-07	--GCTGCTGC-- NCGCAGCTGCGN	
MA0454.1_odd	2.7734e-04	--GCTGCTGC- NTGCTACTGTN	
MA0402.1_SWI5	8.2711e-04	--GCAGCAGC NACCAGCA--	

MA0287.1_CUP2 1.0814e-03

----GCTGCTGC
CWTTTYTGCTG--



M71

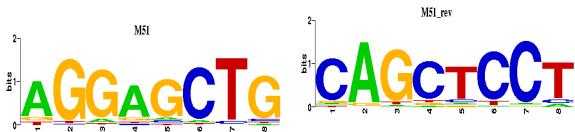


forward

reverse compliment

Name	E value	Alignment	Motif
MA0402.1_SWI5	1.7969e-06	-CCCAGCAG NACCAGCA-	
MA0267.1_ACE2	1.8247e-04	CCCAGCAG NCCAGCN-	
MA0139.1_CTCF	2.5787e-04	--CCCAGCAG----- YNNCCASYAGGKGGCRSNN	
MA0150.1_NFE2L2	4.5723e-04	CTGCTGGG---- -TGCTNWGTCAY	
MA0055.1_Myf	6.9750e-04	-----CTGCTGGG MRGCARCTGCTG--	

M51






forward

reverse compliment

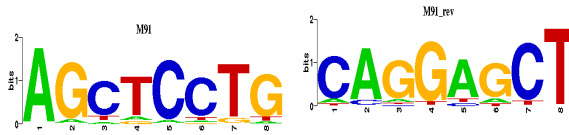
Name	E value	Alignment	Motif
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Stamp Results

10/01/13





MA0055.1_Myf	1.0542e-04	---CAGCTCCT-- CAGCAGYTGCYK	
MA0138.2_REST	1.7638e-04	-----CAGCTCCT NTCAGCACCNNGGACAGCNC--	
MA0048.1_NHLH1	4.3018e-04	---CAGCTCCT-- NCGCAGCTGCGN	
MA0138.1_REST	1.6842e-03	-CAGCTCCT----- TCAGCACCNNGGACAGCNC	
MA0354.1_PDR8	2.8889e-03	CAGCTCCT-- -ATCTCCGN	

M91



forward

reverse compliment

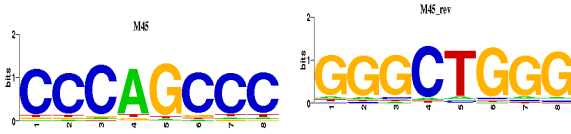
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0086.1_sna	1.3675e-04	AGCTCCTG --CACCTG	
MA0055.1_Myf	1.4021e-04	CAGGAGCT---- CAGCAGYTGCYK	
MA0454.1_odd	1.9738e-04	-AGCTCCTG-- NTGCTACTGTN	
MA0156.1_FEV	4.5492e-04	CAGGAGCT CAGGAART	

MA0364.1_REI1 1.9554e-03

-CAGGAGCT
NCAGGGG--



M45

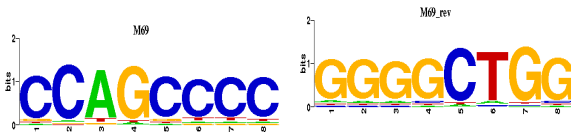


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.8714e-06	--GGGCTGGG GGGGGNGGGG	
MA0039.2_Klf4	5.6214e-05	-CCCAGCCC- GCCMCRCCCN	
MA0079.1_SP1	6.8207e-05	-CCCAGCCC- ACCCNGCCNN	
MA0267.1_ACE2	1.8552e-04	CCCAGCCC NCCAGCN-	
MA0402.1_SWI5	5.5912e-04	-CCCAGCCC NACCAGCA-	

M69



forward

reverse compliment

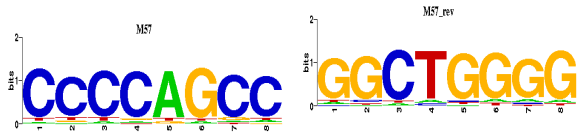
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Stamp Results

10/01/13

MA0079.2_SP1	2.0652e-06	-GGGGCTGG- GGGGGNGGGG	
MA0443.1_btd	1.0182e-04	CCAGCCCC-- YCCGCCMCN	
MA0267.1_ACE2	1.8218e-04	-CCAGCCCC NCCAGCN--	
MA0402.1_SWI5	6.2337e-04	--CCAGCCCC NACCAGCA--	
MA0450.1_hkb	6.9444e-04	-CCAGCCCC TCACGCCM	

M57



forward

reverse compliment

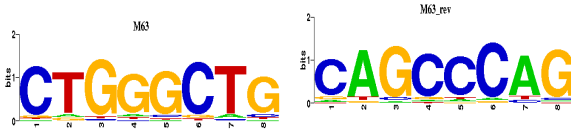
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	1.2555e-05	-CCCCAGCC TCCCCGN-	
MA0039.2_Klf4	2.1062e-05	-CCCCAGCC- GCCMCRCCN	
MA0079.1_SP1	6.5484e-05	CCCCAGCC-- ACCCNGCCNN	
MA0332.1_MET28	1.4842e-04	CCCCAGCC CCACAG--	

MA0155.1_INSM1 1.5385e-04

---CCCCAGCC--
YGCCCCCTGRCA



M63

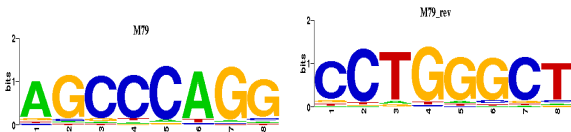


forward

reverse compliment

Name	E value	Alignment	Motif
MA0320.1_IME1	4.0474e-04	CTGGGCTG CTCGGCGG	
MA0368.1_RIM101	9.3830e-04	CTGGGCTG CTTGGCR-	
MA0162.1_Egr1	3.3903e-03	---CTGGGCTG NGCGTGGGCGK	
MA0083.1_SRF	9.5016e-03	-----CTGGGCTG CCATATATGGGC--	
MA0145.1_Tcfcp211	9.5670e-03	-----CTGGGCTG- CYGGNTNNRNCYGG	

M79




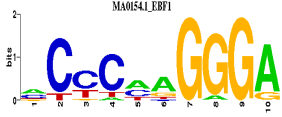

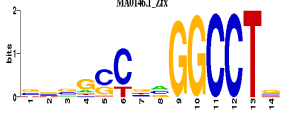

forward

reverse compliment

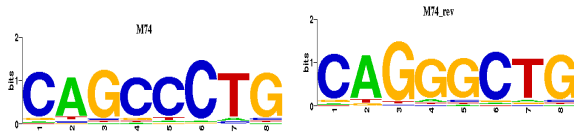
Name	E value	Alignment	Motif
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Stamp Results

10/01/13





MA0162.1_Egr1	3.6152e-04	--CCTGGGCT-- NGCGTGGGCGK	
MA0154.1_EBF1	8.7391e-04	--CCTGGGCT TCCCTNGGGN	
MA0368.1_RIM101	9.2765e-04	CCTGGGCT -CTTGGCR	
MA0146.1_Zfx	1.3560e-03	----CCTGGGCT-- NAGGCCNNGGCNNN	
MA0163.1_PLAG1	1.5825e-03	--AGCCCAGG---- GGGGCCNAAGGGGG	

M74



forward

reverse compliment

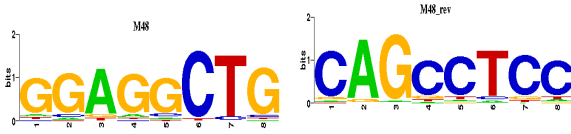
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0403.1_TBF1	9.9301e-05	CAGCCCTG-- -ARCCCTAN	
MA0364.1_REI1	1.7414e-04	-CAGGGCTG NCAGGGG--	
MA0366.1_RGM1	1.8127e-03	CAGCCCTG --CCCCT-	
MA0342.1_MSN4	1.9489e-03	CAGCCCTG --CCCCT-	

MA0341.1_MSN2 3.6482e-03

CAGCCCTG
--CCCCT--



M48

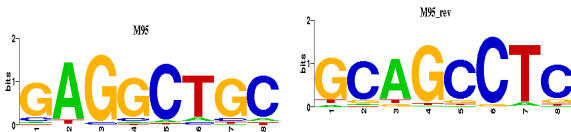


forward

reverse compliment

Name	E value	Alignment	Motif
MA0412.1_UME6	5.8373e-04	--GGAGGCTG-- TSGGCGGCTAWWT	
MA0079.2_SP1	7.2368e-04	GGAGGCTG-- GGGGNGGGG	
MA0305.1_GCR2	1.0995e-03	--GGAGGCTG NGGAAGC--	
MA0373.1_RPN4	1.4936e-03	CAGCCTCC -CGCCACC	
MA0443.1_btd	2.2635e-03	-CAGCCTCC- YCCGCCMCN	


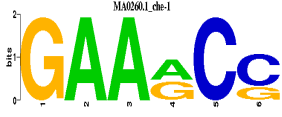



M95



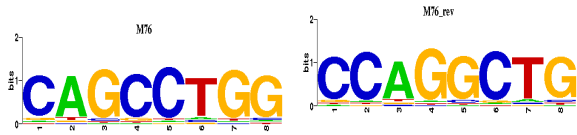
forward

reverse compliment

Name	E value	Alignment	Motif
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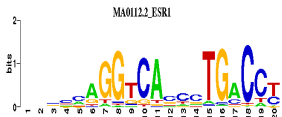
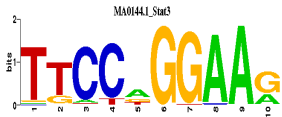

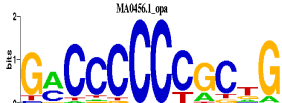
MA0048.1_NHLH1	1.8361e-03	--GAGGCTGC-- NCGCAGCTGCGN	
MA0260.1_che-1	3.4621e-03	GAGGCTGC --GGYTTC	
MA0304.1_GCR1	5.4025e-03	GAGGCTGC-- --GGCTTCCA	
MA0285.1_CRZ1	6.6953e-03	GAGGCTGC- GNGGCTNNN	
MA0271.1_ARG80	1.5601e-02	GAGGCTGC GNGTCW--	

M76



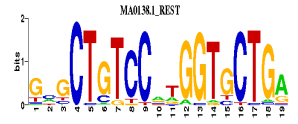
forward

reverse compliment

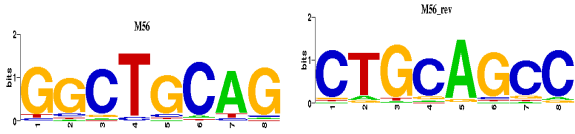
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0112.2_ESR1	6.6647e-04	---CCAGGCTG----- RGGTCANNNTGACCTNNNNN	
MA0144.1_Stat3	1.3195e-03	--CCAGGCTG TTCCNGGAAG	
MA0344.1_NHP10	3.8020e-03	--CCAGGCTG TCCCCGN--	
MA0456.1_opa	5.1552e-03	CAGCCTGG---- CNGCGGGGGK	

MA0138.1_REST 6.1676e-03

----CAGCCTGG-----
TCAGCACCWNGGACAGCNC



M56

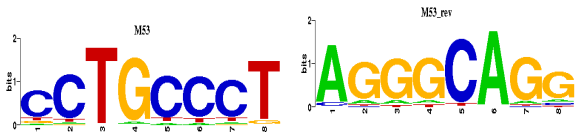


forward

reverse compliment

Name	E value	Alignment	Motif
MA0055.1_Myf	3.3410e-04	----GGCTGCAG MRGCARCTGCTG	
MA0385.1_SOK2	8.7006e-04	-GGCTGCAG-- NNNMTGCAKNN	
MA0269.1_AFT1	2.8075e-03	-----GGCTGCAG----- NNNNNNGGGTGCAMTANNNNN	
MA0260.1_che-1	4.0042e-03	GGCTGCAG GGYTTC--	
MA0410.1_UGA3	5.0050e-03	CTGCAGCC- -TCCCGCCN	

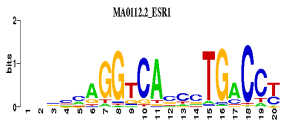
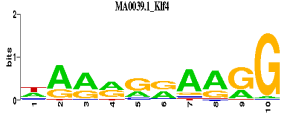
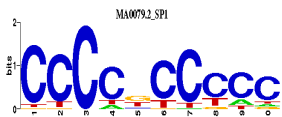

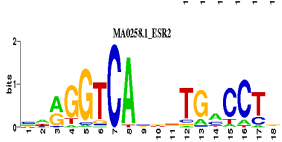
M53



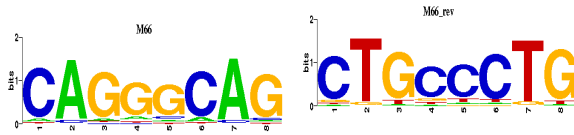
forward

reverse compliment

Name	E value	Alignment	Motif
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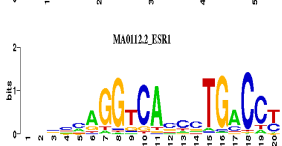
MA0112.2_ESR1	5.5629e-06	AGGGCAGG----- RGGTCANNNTGACCTNNNNN	
MA0039.1_Klf4	2.3184e-04	CCTGCCCT-- CCTTYYYYTN	
MA0079.2_SP1	5.5873e-04	-AGGGCAGG- GGGGNGGGG	
MA0065.2_PPARG_RXRA	6.2407e-04	-----CCTGCCCT-- TGMCCTTGNCCYNN	
MA0258.1_ESR2	7.9257e-04	-----CCTGCCCT-- NAGGNCANNNTGACCYNN	

M66



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0364.1_REI1	1.7335e-04	-CAGGGCAG NCAGGGG--	
MA0065.2_PPARG_RXRA	8.2059e-04	-----CTGCCCTG- TGMCCTTGNCCYNN	
MA0366.1_RGM1	1.8100e-03	CTGCCCTG --CCCCT-	
MA0112.2_ESR1	1.8821e-03	CAGGGCAG----- -RGGTCANNNTGACCTNNNNN	

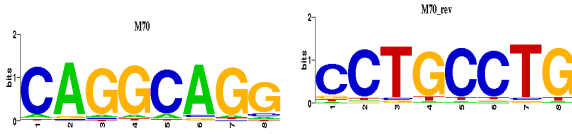
MA0342.1_MSN4

2.0624e-03

CTGCCCTG
--CCCCT--



M70

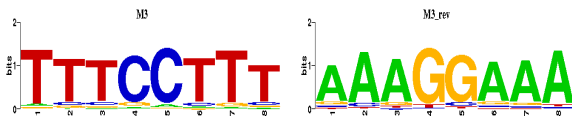


forward

reverse compliment

Name	E value	Alignment	Motif
MA0340.1_MOT3	2.5737e-05	CCTGCCTG --TRCCTN	
MA0144.1_Stat3	1.7279e-04	CCTGCCTG--- -CTTCCNGGAA	
MA0156.1_FEV	2.0411e-04	CCTGCCTG AYTTCCTG	
MA0026.1_Eip74EF	6.7457e-04	CCTGCCTG -YTTCCGG	
MA0080.2_SPI1	7.5255e-04	CCTGCCTG ACTTCCT-	



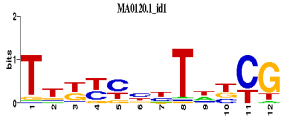

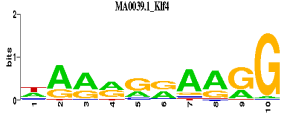
M3



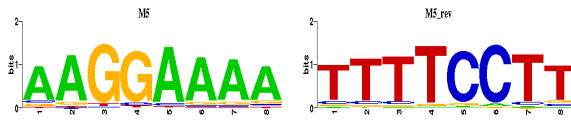
forward

reverse compliment

Name	E value	Alignment	Motif
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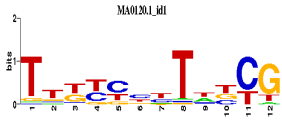
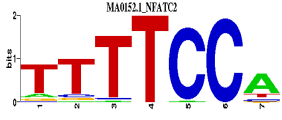



MA0277.1_AZF1	4.0495e-09	TTTCCTTT- TTTCCTTTT	
MA0370.1_RME1	2.4339e-08	TTTCCTTT--- -TNCCTTTNNA	
MA0120.1_id1	6.4994e-07	---AAAGGAAA- CGNNANRRMNA	
MA0137.1_STAT1	3.3352e-06	---TTTCCTTT--- NAGTTTCNNTTTCY	
MA0039.1_Klf4	1.4279e-05	-TTTCCTTT- CCTTYYYTNN	

M5

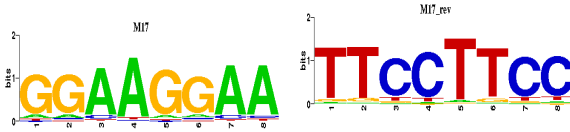


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0120.1_id1	8.2748e-08	TTTTCCTT---- TNKYNNNTNCG	
MA0152.1_NFATC2	1.6155e-07	AAGGAAAA -TGAAAA	
MA0277.1_AZF1	7.3168e-06	TTTTCCTT-- -TTTCCTTTT	
MA0294.1_EDS1	1.2820e-05	--TTTTCCTT NTTNTCCN-	
MA0156.1_FEV	1.5238e-05	AAGGAAAA CAGGAART	

M17

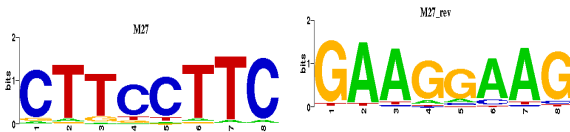


forward

reverse compliment

Name	E value	Alignment	Motif
MA0149.1_EWSR1-FLI1	1.0396e-10	--TTCCTTCC----- CCTTCCTTCCTTCCTTCC	
MA0370.1_RME1	2.5540e-05	TTCCTTCC-- TNCCTTTNNA	
MA0080.1_SPI1	5.0998e-05	TTCCTTCC- ---STTCN	
MA0305.1_GCR2	1.7444e-04	TTCCTTCC- --GCTTCN	
MA0080.2_SPI1	1.7603e-04	TTCCTTCC- --ACTTCT	

M27



forward

reverse compliment

Name	E value	Alignment	Motif
MA0149.1_EWSR1-FLI1	1.1019e-10	-----GAAGGAAG----- GGAAGGAAGGAAGGAAG	

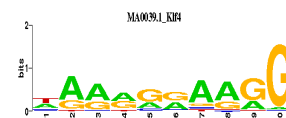
MA0080.2_SPI1 2.0864e-07

-CTTCCTTC
ACTTCCT--



MA0039.1_Klf4 1.1861e-05

-GAAGGAAG-
NAARRRAAGG



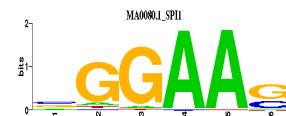
MA0370.1_RME1 2.1116e-05

CTTCCTTC---
-TNCCTTTNNA

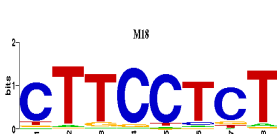


MA0080.1_SPI1 4.0255e-05

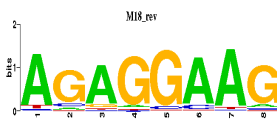
CTTCCTTC
STTCN--



M18



forward



reverse compliment

Name

E value

Alignment

Motif

MA0081.1_SPIB 1.0064e-09

CTTCCTCT
-TTCKST



MA0080.2_SPI1 1.8310e-07

AGAGGAAG-
--AGGAAGT



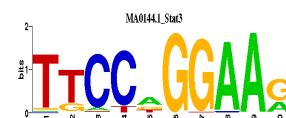
MA0039.1_Klf4 2.9066e-06

-AGAGGAAG-
NAARRRAAGG



MA0144.1_Stat3 3.8887e-05

--AGAGGAAG
TTCCNGGAAG

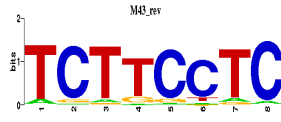
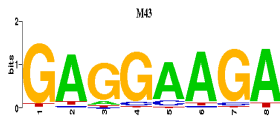


MA0156.1_FEV 4.2162e-05

-CTTCCTCT
AYTTCCTG-



M43

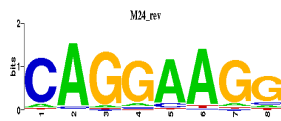
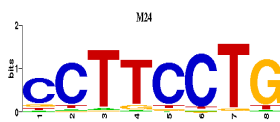


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0080.2_SPI1	2.3773e-07	GAGGAAGA -AGGAAGT	
MA0081.1_SPIB	1.9654e-06	TCTTCCTC- --TTCKST	
MA0062.1_GABPA	2.3888e-05	-TCTTCCTC- SNCTTCCGGT	
MA0080.1_SPI1	3.9958e-05	TCTTCCTC -STCCN-	
MA0144.1_Stat3	6.1240e-05	TCTTCCTC--- -CTTCCNGGAA	

M24



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0156.1_FEV	2.6631e-08	CCTTCCTG AYTTCCTG	
MA0144.1_Stat3	4.8556e-08	CCTTCCTG--- -CTTCCNGGAA	

Stamp Results

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MA0026.1_Eip74EF 1.1291e-07

CCTTCCTG
-YTTCCGG



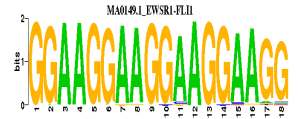
MA0080.2_SPI1 1.8426e-07

CCTTCCTG
ACTTCCT-

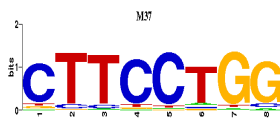


MA0149.1_EWSR1-FLI1 4.2891e-07

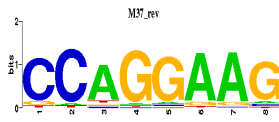
-----CAGGAAGG
GGAAGGAAGGAAGGAAGG



M37



forward



reverse compliment

Name

E value

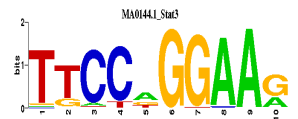
Alignment

Motif

MA0144.1_Stat3

6.5420e-12

CTTCCTGG--
CTTCCNGGAA



MA0156.1_FEV

4.0281e-08

-CTTCCTGG
AYTTCCTG-



MA0026.1_Eip74EF 1.7616e-07

CTTCCTGG
YTTCCGG-



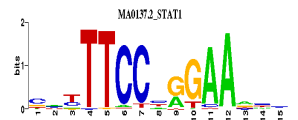
MA0080.2_SPI1 1.8294e-07

-CTTCCTGG
ACTTCCT--

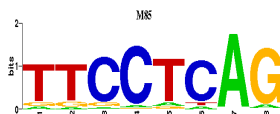


MA0137.2_STAT1 4.2970e-05

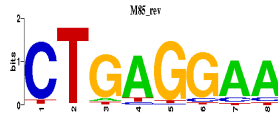
--CTTCCTGG-----
NNYTTCCNGGAANN



M85



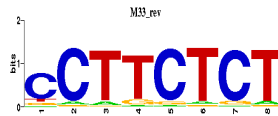
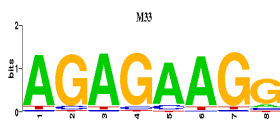
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	3.5876e-07	CTGAGGAA -ASMGGAA	
MA0326.1_MAC1	4.3785e-05	CTGAGGAA- -YGAGCAAA	
MA0332.1_MET28	1.1359e-04	TTCCTCAG --CCACAG	
MA0080.2_SPI1	2.5107e-04	CTGAGGAA-- ---AGGAAGT	
MA0090.1_TEAD1	2.5171e-04	CTGAGGAA---- CNSWGAATGTR	

M33



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	8.3773e-05	CCTTCTCT-- CCTTYYYTTN	
MA0035.2_Gata1	3.3595e-04	-CCTTCTCT-- NNNTTATCTNN	

MA0289.1_DAL80 1.2411e-03

CCTTCTCT
-CTTATCG



MA0029.1_Evi1 1.8395e-03

-----CCTTCTCT-
NNTTATCTTRTCTN

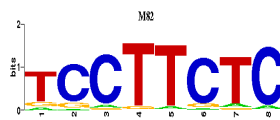


MA0300.1_GAT1 3.2768e-03

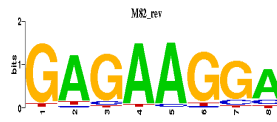
CCTTCTCT-
-CTTATCNN



M82



forward



reverse compliment

Name

E value

Alignment

Motif

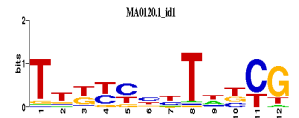
MA0149.1_EWSR1-FLI1 2.7652e-04

---TCCTTCTC-----
CCTTCCTTCCTTCCTTCC



MA0120.1_id1 1.0830e-03

-GAGAAGGA---
CGNNANRRMNA



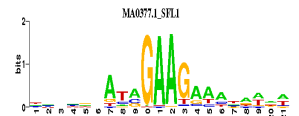
MA0289.1_DAL80 1.2565e-03

TCCTTCTC-
--CTTATCG



MA0377.1_SFL1 2.8888e-03

-----TCCTTCTC-----
WNWNNWCTTCNNTNNNNNN

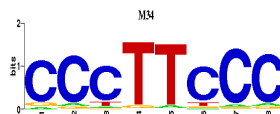


MA0300.1_GAT1 3.2220e-03

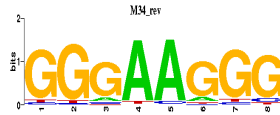
TCCTTCTC--
--CTTATCNN



M34



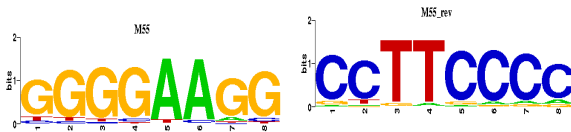
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SPI	3.1012e-06	-GGGAAGGG- GGGGNGGGG	
MA0039.1_Klf4	2.7574e-05	CCCTTCCC--- -CCTTYYYTTN	
MA0080.1_SPI1	5.5524e-05	CCCTTCCC --STCCN	
MA0305.1_GCR2	1.7794e-04	GGGAAGGG NGGAAGC-	
MA0080.2_SPI1	1.8212e-04	CCCTTCCC -ACTTCT	

M55



forward

reverse compliment

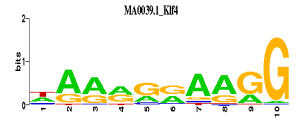
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SPI	3.0764e-06	--CCTTCCCC CCCNCCCCC	
MA0056.1_MZF1_1-4	2.1806e-05	-GGGGAAGG NGGGGA---	

Stamp Results

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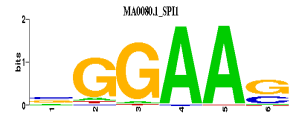
MA0039.1_Klf4 4.4646e-05

CCTTCCCC--
CCTTYYTTN



MA0080.1_SPI1 5.5068e-05

CCTTCCCC
-STCCN-

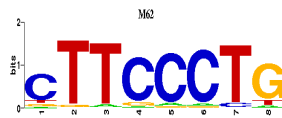


MA0105.1_NFKB1 1.7022e-04

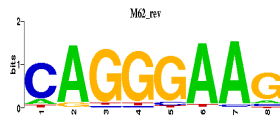
---CCTTCCCC
GGGGATTCCCC



M62



forward



reverse complement

Name

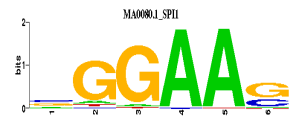
E value

Alignment

Motif

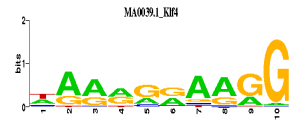
MA0080.1_SPI1 4.5796e-05

CAGGGAAG
--NGGAAS



MA0039.1_Klf4 8.6353e-05

-CTTCCCTG-
CCTTYYTTN



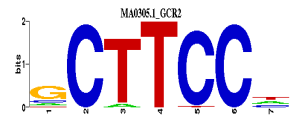
MA0364.1_REI1 1.7959e-04

-CAGGGAAG
NCAGGGG--



MA0305.1_GCR2 1.8059e-04

CAGGGAAG-
--NGGAAGC

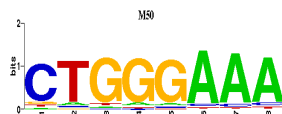


MA0080.2_SPI1 1.9872e-04

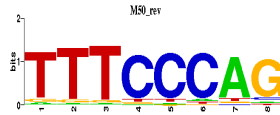
-CTTCCCTG
ACTTCCT--



M50



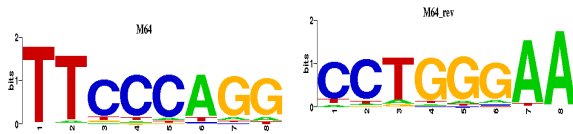
forward



reverse compliment

Name	E value	Alignment	Motif
MA0152.1_NFATC2	1.7637e-06	CTGGGAAA -TGGAAAA	MA0152.1_NFATC2
MA0088.1_znf143	2.1536e-06	-----CTGGGAAA-- KCNNKGMANNMTGGGANNNN	MA0088.1_znf143
MA0085.1_Su_H_	6.4681e-06	--CTGGGAAA----- NYGTGGGAAMCNNNNN	MA0085.1_Su_H_
MA0437.1_YPR196W	5.0347e-05	CTGGGAAA- CGGRNAAAT	MA0437.1_YPR196W
MA0282.1_CEP3	5.0668e-05	TTTCCCAG NTTCCGAR	MA0282.1_CEP3

M64



forward

reverse compliment

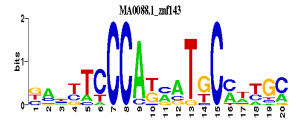
Name	E value	Alignment	Motif
MA0344.1_NHP10	1.3679e-05	-CCTGGGAA NCCGGGGA-	MA0344.1_NHP10
MA0282.1_CEP3	4.2487e-05	-TTCCCAGG NTTCCGAR-	MA0282.1_CEP3

Stamp Results

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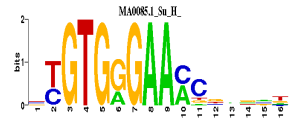
MA0088.1_znf143 1.7832e-04

-----CCTGGGAA---
KCNNKGMANNMTGGGANNNN



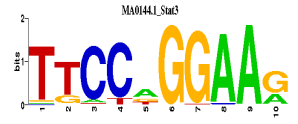
MA0085.1_Su_H_ 2.0266e-04

-----TTCCCAGG-
NNNNNGKTCCCACRN

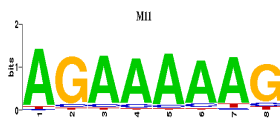


MA0144.1_Stat3 2.7318e-04

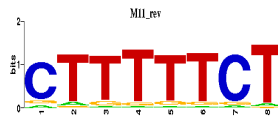
---CCTGGGAA
CTCCNGGAA-



M11



forward



reverse compliment

Name

E value

Alignment

Motif

MA0277.1_AZF1 9.1374e-06

---CTTTTTCT
TTTTTTTT--



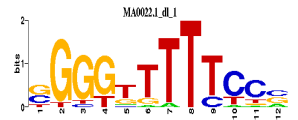
MA0294.1_EDS1 1.0372e-05

CTTTTTCT-
NTNTTCN



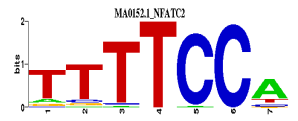
MA0022.1_dl_1 1.3614e-04

---CTTTTTCT-
SGGGTTTTTCN



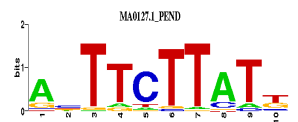
MA0152.1_NFATC2 1.8362e-04

-AGAAAAAG
TGAAAA--

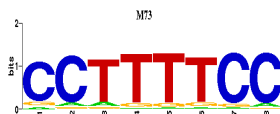


MA0127.1_PEND 3.2124e-04

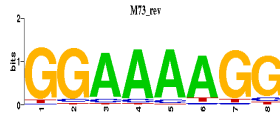
-AGAAAAAG-
MATAAGAANT



M73



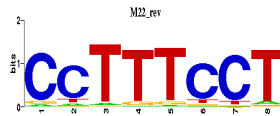
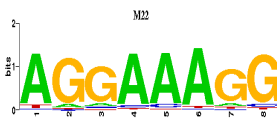
forward



reverse compliment

Name	E value	Alignment	Motif
MA0152.1_NFATC2	1.6509e-07	-GGAAAAGG TGGAAAA--	
MA0294.1_EDS1	1.0085e-05	CCTTTTCC- NTTNTTCN	
MA0065.2_PPARG_RXRA	1.4854e-05	---CCTTTTCC--- TGMCCTTTGNCCYNN	
MA0137.1_STAT1	2.3657e-05	-----CCTTTTCC NAGTTTCNNTTTCY	
MA0022.1_d1_1	1.2067e-04	-GGAAAAGG--- NGGAAAAACCCS	

M22



forward

reverse compliment

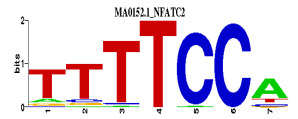
Name	E value	Alignment	Motif
MA0039.1_Klf4	2.1027e-07	CCTTTCCT-- CCTTYYYTTN	
MA0156.1_FEV	2.2524e-05	CCTTTCCT- -AYTTCCTG	

Stamp Results

10/01/13

MA0152.1_NFATC2 1.8404e-04

CCTTTCCT
-TTTTCCA



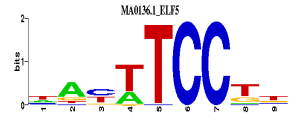
MA0080.2_SPI1 2.0009e-04

CCTTTCCT
-ACTTCCT

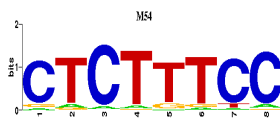


MA0136.1_ELF5 4.7505e-04

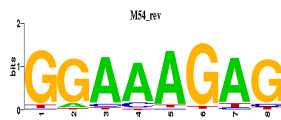
-AGGAAAGG
NMGGAARTN



M54



forward



reverse compliment

Name

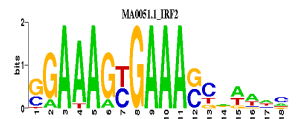
E value

Alignment

Motif

MA0051.1_IRF2 5.3141e-05

-----CTCTTTC
NNWWNRSTTTCRCCTTCS



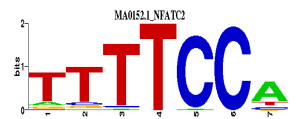
MA0294.1_EDS1 1.0839e-04

CTCTTTC-
NTTNTCCN



MA0152.1_NFATC2 1.9715e-04

-GGAAAGAG
TGGAAAA--



MA0062.1_GABPA 4.0026e-04

--GGAAAGAG
ACCGAAGNS

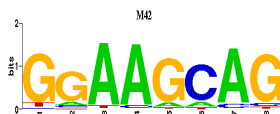


MA0438.1_YRM1 7.0989e-04

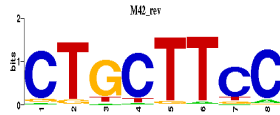
CTCTTTC--
--ATNTCCGN



M42



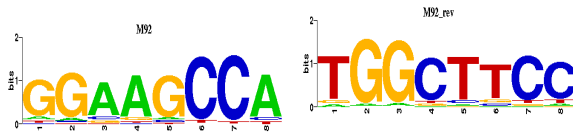
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0305.1_GCR2	2.0976e-07	-GGAAGCAG NGGAAGC--	
MA0304.1_GCR1	1.5816e-06	CTGCTTCC- -GGCTTCCA	
MA0323.1_IXR1	1.4270e-05	-----GGAAGCAG-- AARCCGGAAGCGGKG	
MA0080.1_SPI1	5.8344e-05	CTGCTTCC- ---STTCN	
MA0080.2_SPI1	1.8654e-04	CTGCTTCC- --ACTTCT	

M92



forward

reverse compliment

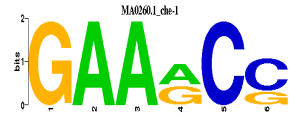
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0304.1_GCR1	7.8851e-10	TGGCTTCC- -GGCTTCCA	
MA0305.1_GCR2	1.6553e-07	TGGCTTCC- --GCTTCN	

Stamp Results

10/01/13

MA0260.1_che-1 5.3297e-07

TGGCTTCC
-GGYTTC-



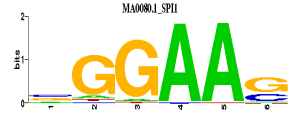
MA0263.1_ttx-3_c 1.6192e-05

--TGGCTTCC----
ATTGGYTTMGTTAR

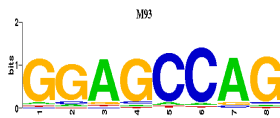


MA0080.1_SPI1 4.2329e-05

TGGCTTCC-
---STTCN



M93



forward



reverse compliment

Name

E value

Alignment

Motif

MA0213.1_brk

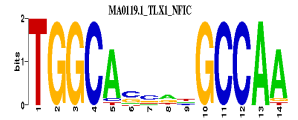
4.5041e-06

GGAGCCAG
RGCGCCRS



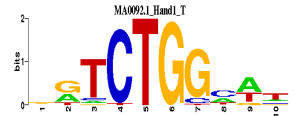
MA0119.1_TLX1_NFIC 1.4199e-03

CTGGCTCC-----
-TGGCASNNNGCCAA



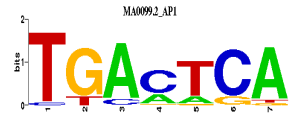
MA0092.1_Hand1_T 2.5037e-03

GGAGCCAG---
-NWNCCAGAYN



MA0099.2_API 2.7562e-03

CTGGCTCC
-TGACTCA

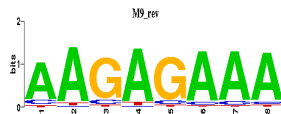
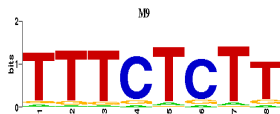




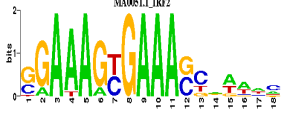
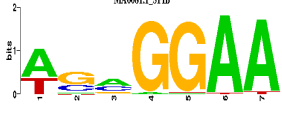
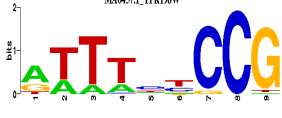
MA0326.1_MAC1 3.0111e-03

GGAGCCAG
YGAGCAA

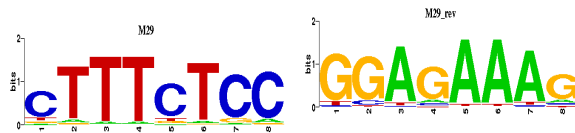


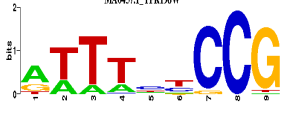


M9



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	2.0391e-07	-AAGAGAAA AAAAAGAAA	
MA0050.1_IRF1	5.3043e-06	--AAGAGAAA-- NAAANYGAAACC	
MA0051.1_IRF2	2.4798e-05	-----TTTCTCTT--- NNWWNRSTTTTCRCTTTCS	
MA0081.1_SPIB	5.2755e-05	TTTCTCTT TTCKST-	
MA0437.1_YPR196W	1.3775e-04	AAGAGAAA- CGGRNAAAT	

M29



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0437.1_YPR196W	9.6603e-08	-GGAGAAAG CGGRNAAAT	
MA0294.1_EDS1	1.2743e-04	CTTCTCC- NTTNTCCN	
MA0422.1_YDR520C	2.0001e-04	CTTCTCC-- NTAWNTCCGN	

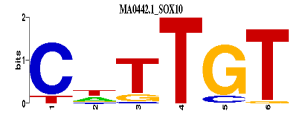
MA0432.1_YNR063W 2.2705e-04

CTTCTCCTCC--
--ATCTCCGA

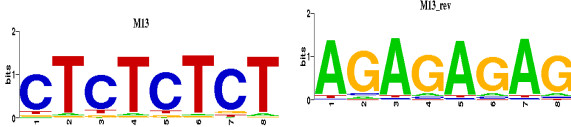


MA0442.1_SOX10 3.4229e-04

GGAGAAAG
--ACAANG



M13



forward

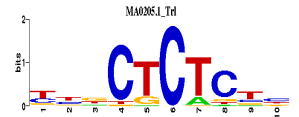
reverse compliment

Name *E value* *Alignment* *Motif*

MA0205.1_Tr1

3.4007e-03

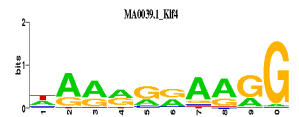
-AGAGAGAG-
NNGAGAGNNR



MA0039.1_Klf4

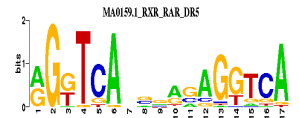
8.6690e-03

-CTCTCTCT-
CCTTYYYTTN



MA0159.1_RXR_RAR_DR5 9.4274e-03

---CTCTCTCT---
TGACCTNYNNNTGAMCY



MA0081.1_SPIB

2.7730e-02

AGAGAGAG
ASMGGA-



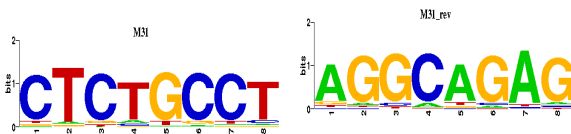
MA0207.1_achi

2.9132e-02

AGAGAGAG
TGACAG--


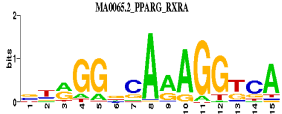





M31

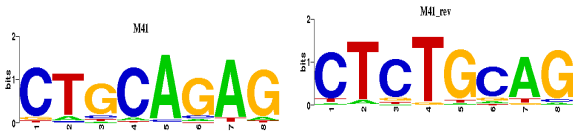


forward

reverse compliment


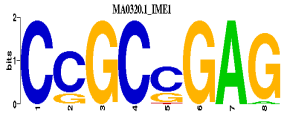


<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0283.1_CHA4	3.3660e-05	-CTCTGCCT NCTCCGCC-	
MA0065.2_PPARG_RXRA	9.4030e-05	----CTCTGCCT--- TGMCCTTTGNCCYNN	
MA0062.1_GABPA	2.5619e-04	CTCTGCCT-- SNCTTCCGGT	
MA0340.1_MOT3	3.2449e-04	CTCTGCCT- ---TRCCTN	
MA0080.2_SPI1	8.4602e-04	CTCTGCCT -ACTTCCT	

M41



forward

reverse compliment

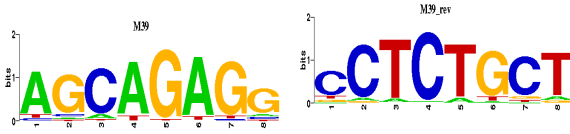
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0150.1_NFE2L2	4.7483e-04	CTGCAGAG---- -TGCTNwGTCAY	
MA0320.1_IME1	5.8218e-04	CTCTGCAG CTCGGCGG	
MA0385.1_SOK2	1.2134e-03	-CTCTGCAG-- NNNMTGCAKNN	
MA0062.1_GABPA	2.4867e-03	--CTGCAGAG ACCGGAAGNS	

MA0287.1_CUP2 2.5733e-03

---CTCTGCAG
CWTTTYTGCTG



M39

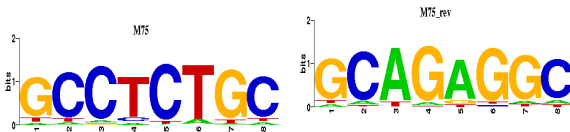


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.2_PPARG_RXRA	1.2545e-04	---CCTCTGCT--- TGMCCCTTGNCCYNN	
MA0139.1_CTCF	1.7732e-04	-----CCTCTGCT----- NNSYGCCMCCTRSTGGNNR	
MA0287.1_CUP2	8.1592e-04	--CCTCTGCT- CWTTTYTGCTG	
MA0456.1_opa	8.8308e-04	---CCTCTGCT- GMCCCCCGCNG	
MA0364.1_REI1	1.2599e-03	AGCAGAGG -NCAGGGG	

M75



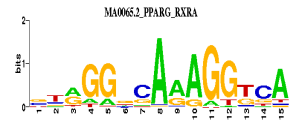
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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MA0065.2_PPARG_RXRA 6.7738e-05

--GCCTCTGC-----
TGMCCTTTGNCCYNN



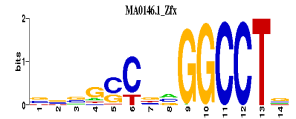
MA0364.1_REI1 7.6336e-04

GCAGAGGC
NCAGGGG-



MA0146.1_Zfx 8.5577e-04

---GCCTCTGC---
NAGGCCNNGGCNNN



MA0150.1_NFE2L2 1.2404e-03

-GCAGAGGC--
TGCTNWGTCAY

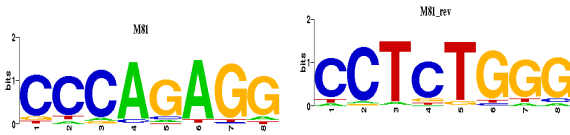


MA0081.1_SPIB 2.1886e-03

-GCCTCTGC
TTCKST--



M81



forward

reverse compliment

Name

E value

Alignment

Motif

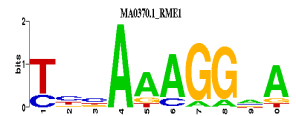
MA0332.1_MET28 1.3440e-04

CCCAGAGG
-CCACAG-



MA0370.1_RME1 2.6746e-04

--CCTCTGGG
TNCCTTTNNA



MA0362.1_RDS2 8.5557e-04

CCCAGAGG
CCCCGAN-



MA0364.1_REI1 1.2535e-03

CCTCTGGG
CCCCTGN-

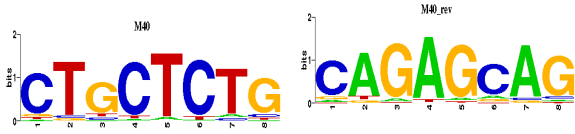


MA0154.1_EBF1 1.7331e-03

-CCTCTGGG-
TCCCTNGGGN



M40

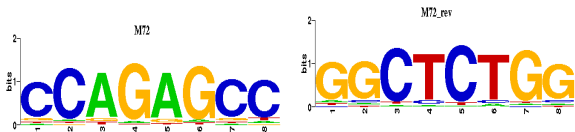


forward

reverse compliment

Name	E value	Alignment	Motif
MA0451.1_kni	1.1839e-04	CTGCTCTG---- NTGCTCTANTTT	
MA0326.1_MAC1	6.6018e-04	CAGAGCAG- -YGAGCAAA	
MA0276.1_ASH1	3.9746e-03	-CTGCTCTG- CCYGATNYGG	
MA0081.1_SPIB	9.1016e-03	CTGCTCTG TTCKST-	
MA0316.1_HAP5	1.0308e-02	-----CAGAGCAG- ACCAATNAGMNSSN	

M72



forward

reverse compliment

Name	E value	Alignment	Motif
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MA0332.1_MET28 2.1039e-04

CCAGAGCC
CCACAG--



MA0451.1_kni 2.7323e-04

-GGCTCTGG---
NTGCTCTANTTT

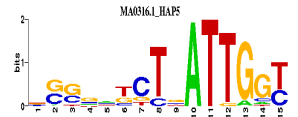


MA0278.1_BAS1 3.2629e-04

-----GGCTCTGG-----
NNNWNYYTGACTCNGGCYNNNN

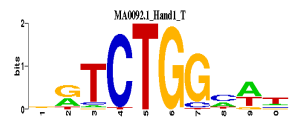
MA0316.1_HAP5 5.1983e-04

-----CCAGAGCC--
ACCAATNAGMNNSSN

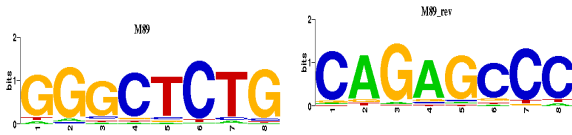


MA0092.1_Hand1_T 2.8368e-03

---CCAGAGCC
NWNCCAGAYN-



M89



forward

reverse compliment

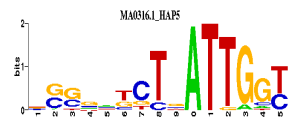
Name *E value*

Alignment

Motif

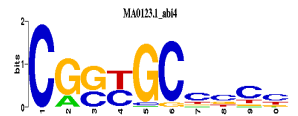
MA0316.1_HAP5 1.8672e-05

-----CAGAGCCC--
ACCAATNAGMNNSSN



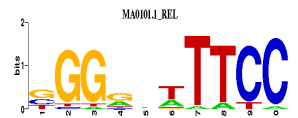
MA0123.1_abi4 2.2906e-03

CAGAGCCC--
CGSYGCNNCN



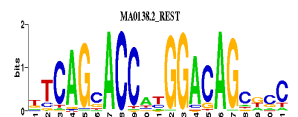
MA0101.1_REL 8.0356e-03

-CAGAGCCC-
GGAAWNYCCN



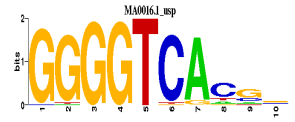
MA0138.2_REST 9.0825e-03

GGGCTCTG-----
-GNNGCTGTCCNNGGTGCTGAN

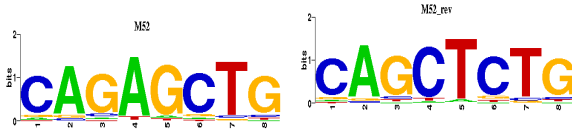


MA0016.1_usp 1.0882e-02

--CAGAGCCC
NNGTGACCCC



M52



forward

reverse compliment

Name E value Alignment Motif

MA0048.1_NHLH1 1.5115e-03

---CAGCTCTG-
NCGCAGCTGCGN



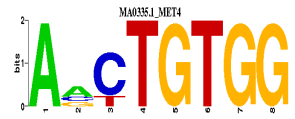
MA0389.1_SRD1 3.6643e-03

-CAGAGCTG
NNAGATCT-



MA0335.1_MET4 3.8981e-03

-CAGAGCTG
CCACAGNT-



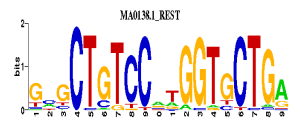
MA0121.1_ARR10 9.3061e-03

-CAGCTCTG
NMRNATCT-

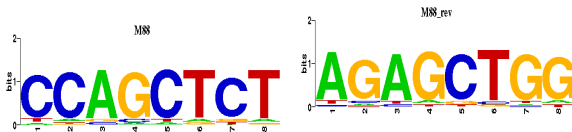


MA0138.1_REST 9.9783e-03

CAGAGCTG-----
--GNGCTGTCCNWGGTGTGA



M88



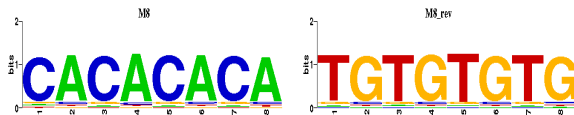
forward

reverse compliment

Name E value Alignment Motif

MA0145.1_Tcfcp211	1.0171e-04	CCAGCTCT----- CCRGNYNNANCCRG	
MA0267.1_ACE2	1.8444e-04	AGAGCTGG- --NGCTGGN	
MA0402.1_SWI5	6.4039e-04	--CCAGCTCT NACCAGCA--	
MA0389.1_SRD1	3.9749e-03	--AGAGCTGG NNAGATCT--	
MA0048.1_NHLH1	6.5594e-03	--AGAGCTGG-- NCGCAGCTGCGN	

M8

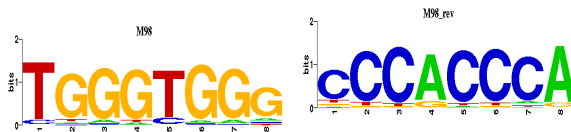


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0009.1_T	1.0699e-03	-TGTGTGTG-- CTAGGTGTGAA	
MA0359.1_RAP1	1.4183e-03	TGTGTGTG-- TGTATGGGTG	
MA0327.1_MATA1	1.8065e-03	--TGTGTGTG ATTGTGY---	
MA0288.1_CUP9	2.5394e-03	TGTGTGTG- WWTGTGTCA	
MA0041.1_Foxd3	2.5630e-03	-CACACACA--- AAANAAACAWTN	

M98

*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	1.5154e-06	--CCCACCCA GCCMCRCCCN	
MA0359.1_RAP1	2.9996e-05	----TGGGTGGG TGTATGGGTG--	
MA0436.1_YPR022C	1.8272e-04	TGGGTGGG-- --NGTGGGG	
MA0193.1_Lag1	1.9086e-04	TGGGTGGG TTGGTRG--	
MA0373.1_RPN4	2.6391e-04	-CCCACCCA CGCCACC--	

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 STAMP is written by Shaun Mahony