



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".

[Download results as a PDF](#)

[Click here to run STAMP again.](#)

Multiple Alignment

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

```

M0 :          --GGGGGGGG-----
M1 :          AAAAAAAAA-----
M2 :          -----GGAGGAGG--
M3 :          ----CCCAGCCC---
M4 :          --GAGGGAGG-----
M5 :          ----CACACACA---
M6 :          --TGGGGAGG-----
M7 :          ---GGGAAGGG----
M8 :          --CCAGCAGG-----
M9 :          --CAGGCAGG-----
M10 :         -----GGAGGGGA--
M11 :         CACCCCA-----
M12 :         -----AGAGAGAG
M13 :         -----AGGAAGGA
M14 :         ----CACAGCAG---
M15 :         -----CCAGGAAG--
M16 :         --AGGGGAGG-----
M17 :         --GAGAGAGA-----
M18 :         --CTCCAGG-----
M19 :         ---GGCAGAG----
M20 :         ----AGCAGCAG---
M21 :         ---CAGCAGGA----
M22 :         --AGCCCAGG-----

```

Stamp Results

10/01/13

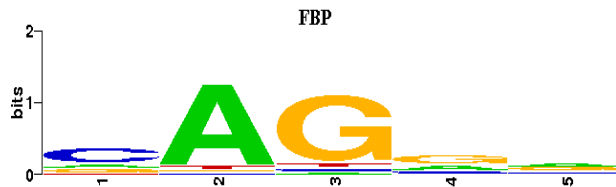
M23: -CTTCCCAG-----
M24: CCACCCCA-----
M25: ----CCCAGGGA---
M26: --GGGAGAGG-----
M27: -----AGGAAGAG
M28: ----AGCAGAGG---
M29: ---CCACACCC----
M30: -----CAGAGCCA-
M31: -----CCAGGCTG--
M32: ---CTGCAGAG----
M33: -----CAGAGAAG-
M34: --TCCCCAGG-----
M35: ----AGAGGAAG--
M36: -AGCCACAG-----
M37: ----CCCACCCA---
M38: -----AGGAGAGA
M39: -----AAGGAAGG-
M40: -GGAAGCAG-----
M41: -----GAAGGAAG--
M42: -----CAGGAAAG-
M43: ----CACAGAGA---
M44: -----CAGAGGAA-
M45: --CACACAGC-----
M46: -----CAGAGCCT-
M47: -TGGGGAAG-----
M48: -AAAGGCAG-----
M49: ----CTCAGCCT---
M50: ----CAAAGCCA---
M51: -----GGAGAAAG--
M52: --AGAGAAGG-----
M53: ----GAAAGAAA---
M54: -----CCAGCCAG--
M55: --AGAGCAGA-----
M56: -----AGGGAAAG
M57: -----AAGAAAAG-
M58: -GCCAGCAG-----
M59: --GAGAAAGG-----
M60: -----CAGCCACA-
M61: --AAGCCAGG-----
M62: -----AAGGAAAA-
M63: -----ACAGAGGG--
M64: -TTCCCCAG-----
M65: TTTTAAAA-----

Stamp Results

10/01/13

```
M66: ---AAAGAGAA----
M67: -AGAAACAG-----
M68: -TGGCTCAG-----
M69: -----CAGGGACA-
M70: -CCTCTCAG-----
M71: -----AGGAAATG
M72: ---GGGAAGCC----
M73: -TGAGGCAG-----
M74: -----AGGGAGAA
M75: -----CAGAAGAG-
M76: --AGGCCAGA-----
M77: ---GAAGAGAG----
M78: -----AGGAAAAA
M79: --AGGACAGG-----
M80: --CAAACAAA-----
M81: ---ACAAAGGA----
M82: ---GGAAAGAG----
M83: --CAGACAGA-----
M84: -----AAGGGAAG-
M85: -----AAGGAGAG-
M86: -CAAAACAA-----
M87: -----CAGGGCCA-
M88: -----CAGAAACA-
M89: -----ACAGAGAC--
M90: -----AGAGGGAA--
M91: ---TGGGAGAA----
M92: ---TGGCAGCT----
M93: -----AGGGCTCC
M94: -----AGAAAAAG
M95: -----GAGGAGCT-
M96: ---AAGCAGCC----
M97: ---GGAAGGCT---
M98: -----CAGGCCAC-
```

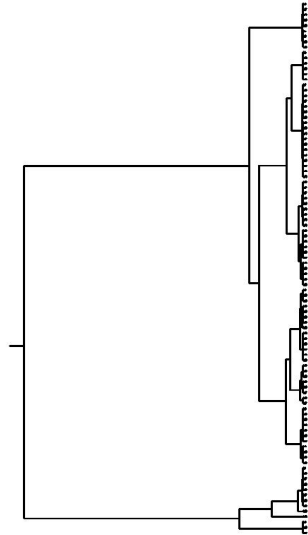
Familial Profile:
(click for matrix)

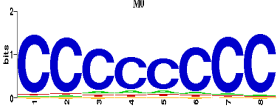
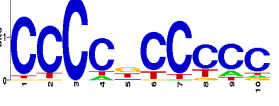


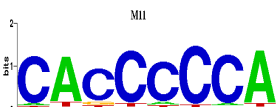
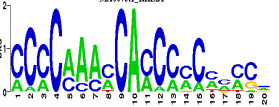

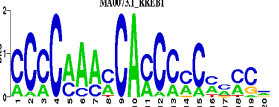



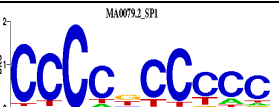

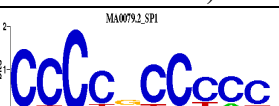
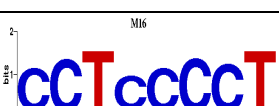
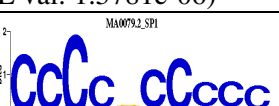


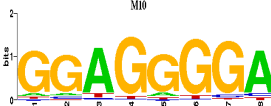
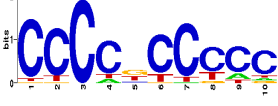
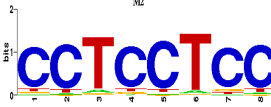
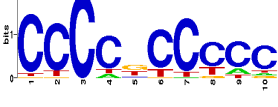
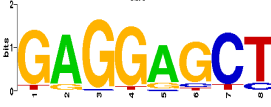
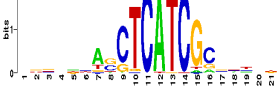
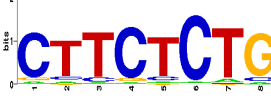


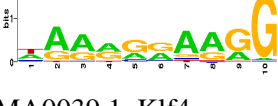




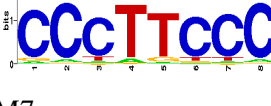
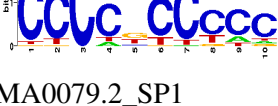
Motif Tree

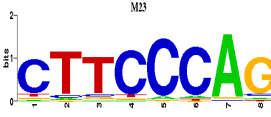
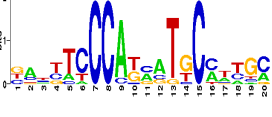
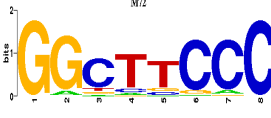

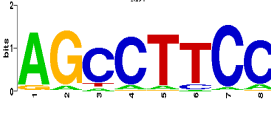
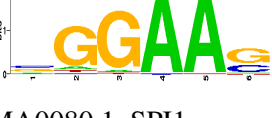
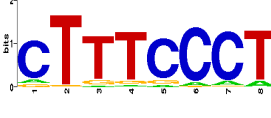
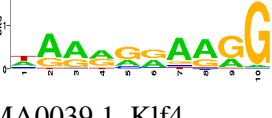

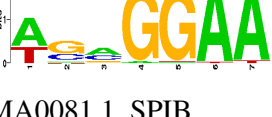
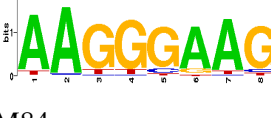
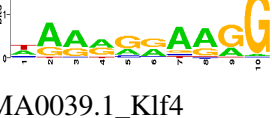
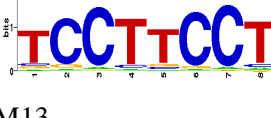
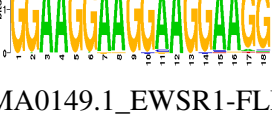
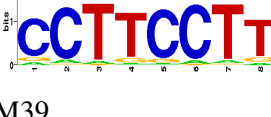
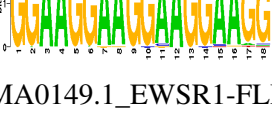
Tree (drawn by [Phylip](#))

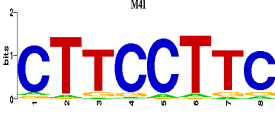
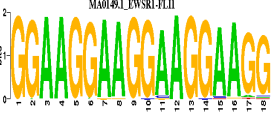
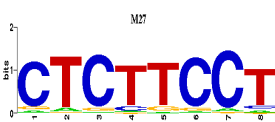

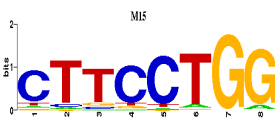
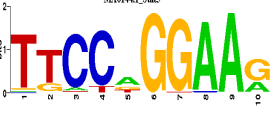
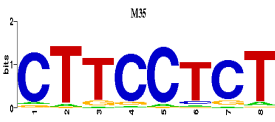
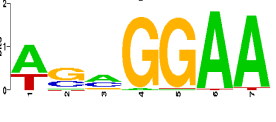
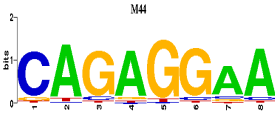

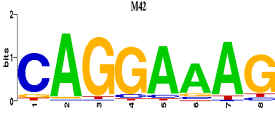

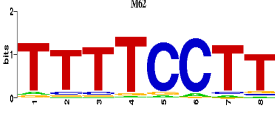
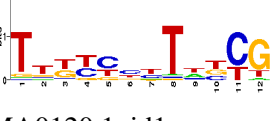
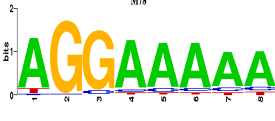

[Click here for Newick-format tree](#) (viewable with [MEGA](#))

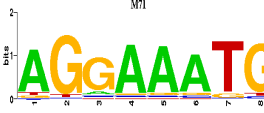


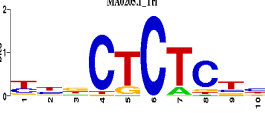
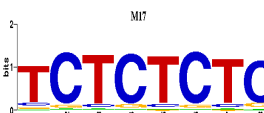
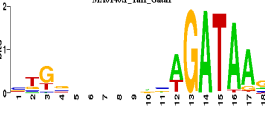
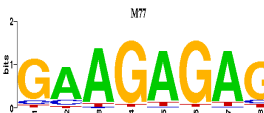

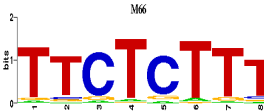

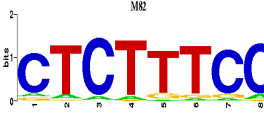

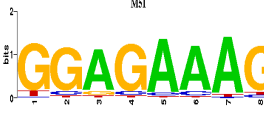
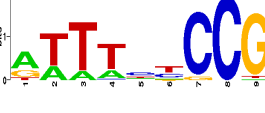
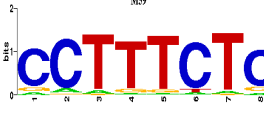
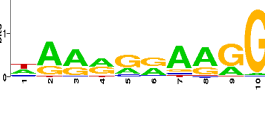


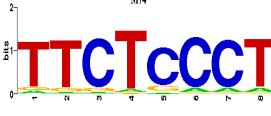
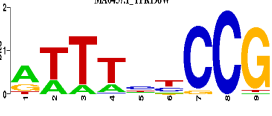
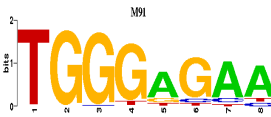

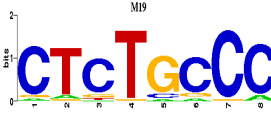
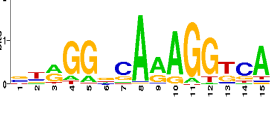
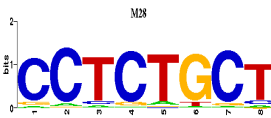
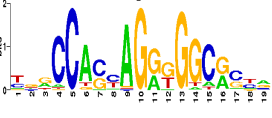
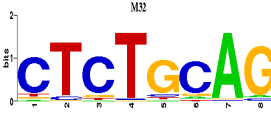

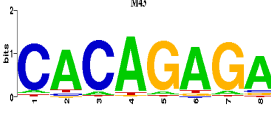

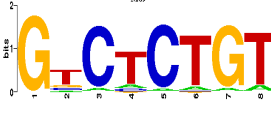
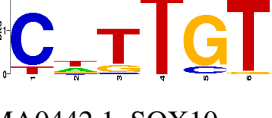
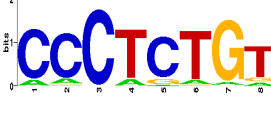

	Input Motif	Best match in JASPAR
M0		 MA0079.2_SP1 (E val: 5.3160e-07)
M37		 MA0039.2_Klf4 (E val: 2.5890e-06)
M11		 MA0073.1_RREB1 (E val: 2.4157e-06)
M24		 MA0073.1_RREB1 (E val: 5.6471e-05)
M29		 MA0039.2_Klf4 (E val: 2.5504e-09)
M4		 MA0079.2_SP1 (E val: 1.0519e-05)
M6		 MA0079.2_SP1 (E val: 1.5781e-06)
M16		 MA0079.2_SP1

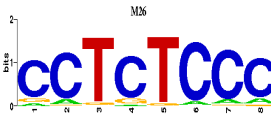
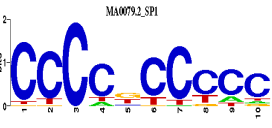
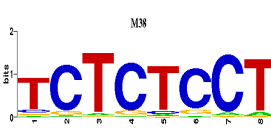

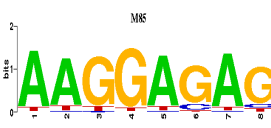

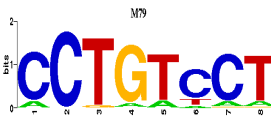

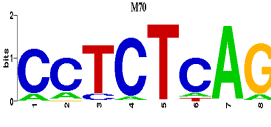

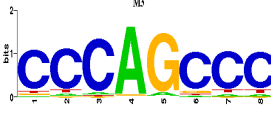
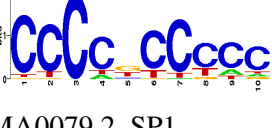
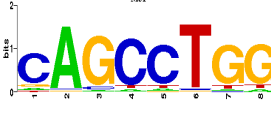

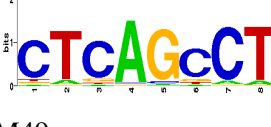

	(E val: 1.4095e-06)
<p>M10</p> 	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.0076e-06)</p>
<p>M2</p> 	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.7003e-06)</p>
<p>M95</p> 	<p>MA0350.1_TOD6</p>  <p>MA0350.1_TOD6 (E val: 1.7907e-04)</p>
<p>M33</p> 	<p>MA0035.2_Gata1</p>  <p>MA0035.2_Gata1 (E val: 2.9707e-04)</p>
<p>M52</p> 	<p>MA0039.1_Klf4</p>  <p>MA0039.1_Klf4 (E val: 1.0429e-04)</p>
<p>M55</p> 	<p>MA0326.1_MAC1</p>  <p>MA0326.1_MAC1 (E val: 3.4387e-05)</p>
<p>M75</p> 	<p>MA0062.1_GABPA</p>  <p>MA0062.1_GABPA (E val: 7.7438e-07)</p>
<p>M7</p> 	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 5.5974e-06)</p>

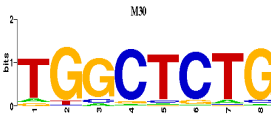
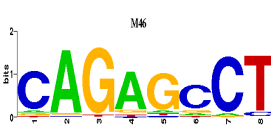

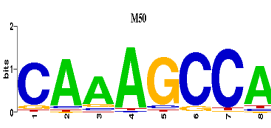



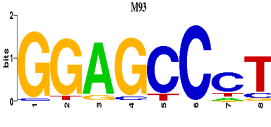
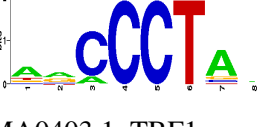
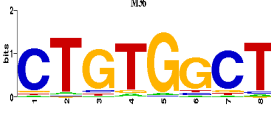

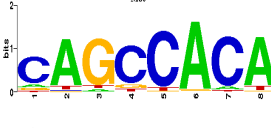

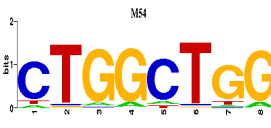
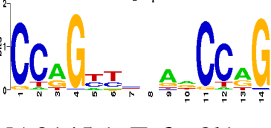
 <p>M23</p>	 <p>MA0088.1_znf143 (E val: 3.4305e-05)</p>
 <p>M72</p>	 <p>MA0304.1_GCR1 (E val: 8.9612e-10)</p>
 <p>M97</p>	 <p>MA0080.1_SPI1 (E val: 5.5149e-05)</p>
 <p>M56</p>	 <p>MA0039.1_Klf4 (E val: 1.1284e-04)</p>
 <p>M90</p>	 <p>MA0081.1_SPIB (E val: 7.1819e-05)</p>
 <p>M84</p>	 <p>MA0039.1_Klf4 (E val: 5.2201e-07)</p>
 <p>M13</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 9.8183e-11)</p>
 <p>M39</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 1.1514e-10)</p>

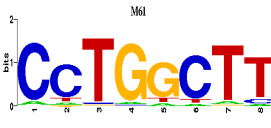
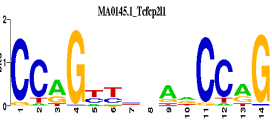
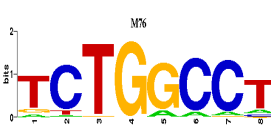
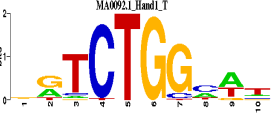
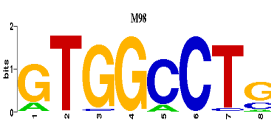

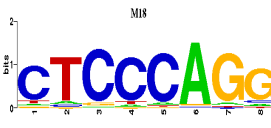

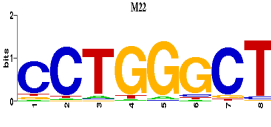

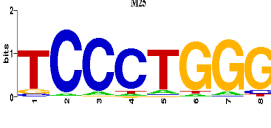
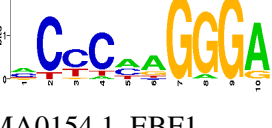
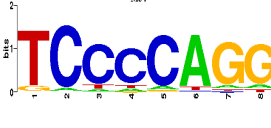
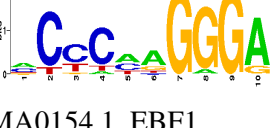
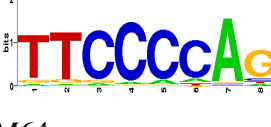

 <p>M41</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 1.1255e-10)</p>
 <p>M27</p>	 <p>MA0062.1_GABPA (E val: 4.2074e-08)</p>
 <p>M15</p>	 <p>MA0144.1_Stat3 (E val: 5.8460e-12)</p>
 <p>M35</p>	 <p>MA0081.1_SPIB (E val: 9.4397e-10)</p>
 <p>M44</p>	 <p>MA0081.1_SPIB (E val: 1.0251e-09)</p>
 <p>M42</p>	 <p>MA0156.1_FEV (E val: 1.5742e-08)</p>
 <p>M62</p>	 <p>MA0120.1_id1 (E val: 9.8373e-08)</p>
 <p>M78</p>	 <p>MA0294.1_EDS1 (E val: 5.6245e-09)</p>

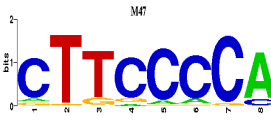
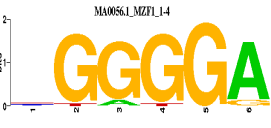
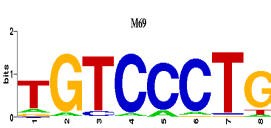
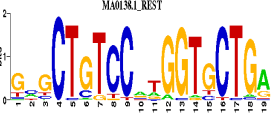
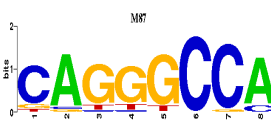
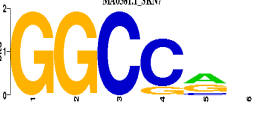
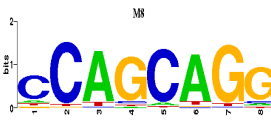
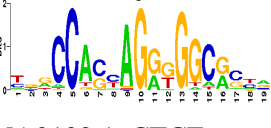
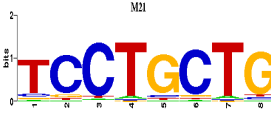

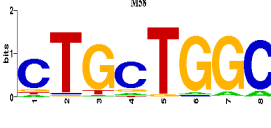

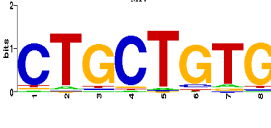

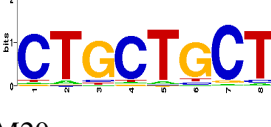
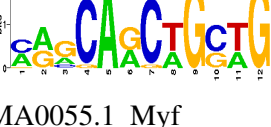
 <p>M71</p>	 <p>MA0156.1_FEV (E val: 8.7786e-09)</p>
 <p>M12</p>	 <p>MA0205.1_Trl (E val: 3.8555e-03)</p>
 <p>M17</p>	 <p>MA0140.1_Tal1_Gata1 (E val: 1.4561e-03)</p>
 <p>M77</p>	 <p>MA0062.1_GABPA (E val: 5.2866e-05)</p>
 <p>M66</p>	 <p>MA0277.1_AZF1 (E val: 2.0737e-07)</p>
 <p>M82</p>	 <p>MA0051.1_IRF2 (E val: 7.3562e-05)</p>
 <p>M51</p>	 <p>MA0437.1_YPR196W (E val: 1.0613e-07)</p>
 <p>M59</p>	 <p>MA0039.1_Klf4 (E val: 2.5513e-05)</p>

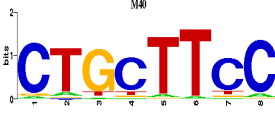

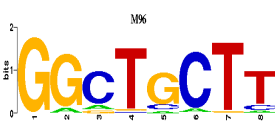
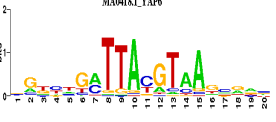


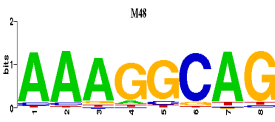

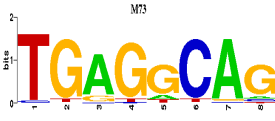

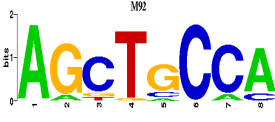
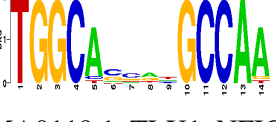
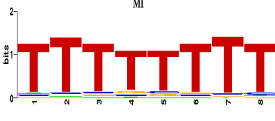

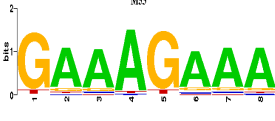

<p>M74</p>  <p>M74</p>	<p>MA0437.1_YPR196W</p>  <p>MA0437.1_YPR196W (E val: 7.0826e-05)</p>
<p>M91</p>  <p>M91</p>	<p>MA0432.1_YNR063W</p>  <p>MA0432.1_YNR063W (E val: 3.5669e-06)</p>
<p>M19</p>  <p>M19</p>	<p>MA0065.2_PPARG_RXRA</p>  <p>MA0065.2_PPARG_RXRA (E val: 1.1444e-07)</p>
<p>M28</p>  <p>M28</p>	<p>MA0139.1_CTCF</p>  <p>MA0139.1_CTCF (E val: 1.0453e-04)</p>
<p>M32</p>  <p>M32</p>	<p>MA0320.1_IME1</p>  <p>MA0320.1_IME1 (E val: 5.4555e-04)</p>
<p>M43</p>  <p>M43</p>	<p>MA0332.1_MET28</p>  <p>MA0332.1_MET28 (E val: 1.8628e-05)</p>
<p>M89</p>  <p>M89</p>	<p>MA0442.1_SOX10</p>  <p>MA0442.1_SOX10 (E val: 1.3310e-03)</p>
<p>M63</p>  <p>M63</p>	<p>MA0091.1_TAL1_TCF3</p>  <p>MA0091.1_TAL1_TCF3 (E val: 8.3441e-05)</p>

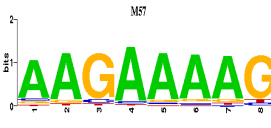

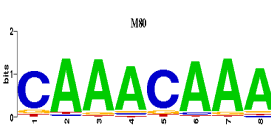
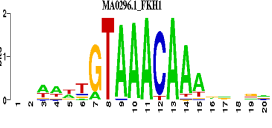
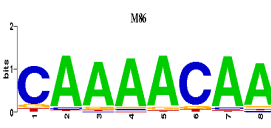

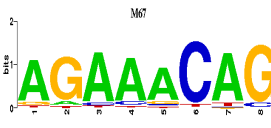
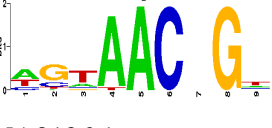
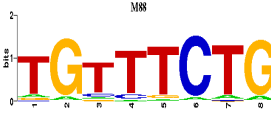
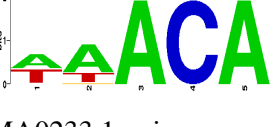
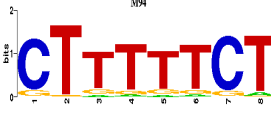
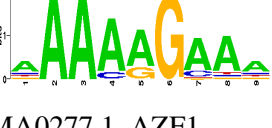
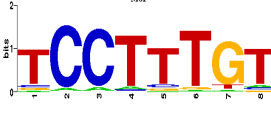
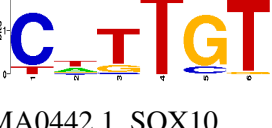
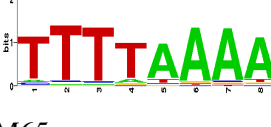

<p>M26</p> 	<p>MA0079.2_SP1 (E val: 8.3840e-06)</p> 
<p>M38</p> 	<p>MA0354.1_PDR8 (E val: 6.6066e-04)</p> 
<p>M85</p> 	<p>MA0354.1_PDR8 (E val: 6.8689e-04)</p> 
<p>M79</p> 	<p>MA0207.1_achi (E val: 2.6521e-05)</p> 
<p>M70</p> 	<p>MA0298.1_FZF1 (E val: 1.4017e-04)</p> 
<p>M3</p> 	<p>MA0079.2_SP1 (E val: 1.7292e-06)</p> 
<p>M31</p> 	<p>MA0112.2_ESR1 (E val: 5.7362e-04)</p> 
<p>M49</p> 	<p>MA0283.1_CHA4 (E val: 3.8368e-05)</p> 



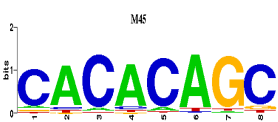



 <p>M30</p>	<p>MA0278.1_BAS1 (E val: 3.1191e-04)</p>
 <p>M46</p>	 <p>MA0316.1_HAP5 (E val: 5.4824e-04)</p>
 <p>M50</p>	 <p>MA0053.1_MNB1A (E val: 4.3740e-06)</p>
 <p>M68</p>	 <p>MA0150.1_NFE2L2 (E val: 1.2607e-06)</p>
 <p>M93</p>	 <p>MA0403.1_TBF1 (E val: 1.4269e-04)</p>
 <p>M36</p>	 <p>MA0332.1_MET28 (E val: 3.8177e-09)</p>
 <p>M60</p>	 <p>MA0334.1_MET32 (E val: 1.7793e-07)</p>
 <p>M54</p>	 <p>MA0145.1_Tcfcp211 (E val: 1.6754e-04)</p>

 <p>M61</p>	 <p>MA0145.1_Tcfcp211 (E val: 6.9804e-05)</p>
 <p>M76</p>	 <p>MA0092.1_Hand1_T (E val: 3.9127e-05)</p>
 <p>M98</p>	 <p>MA0160.1_NR4A2 (E val: 3.0676e-05)</p>
 <p>M18</p>	 <p>MA0344.1_NHP10 (E val: 1.2731e-05)</p>
 <p>M22</p>	 <p>MA0162.1_Egr1 (E val: 4.0723e-04)</p>
 <p>M25</p>	 <p>MA0154.1_EBF1 (E val: 9.7142e-10)</p>
 <p>M34</p>	 <p>MA0154.1_EBF1 (E val: 1.6131e-06)</p>
 <p>M64</p>	 <p>MA0344.1_NHP10 (E val: 1.3537e-05)</p>

 <p>M47</p>	 <p>MA0056.1_MZF1_1-4 (E val: 2.5698e-05)</p>
 <p>M69</p>	 <p>MA0138.1_REST (E val: 1.7953e-05)</p>
 <p>M87</p>	 <p>MA0381.1_SKN7 (E val: 1.5664e-04)</p>
 <p>M8</p>	 <p>MA0139.1_CTCF (E val: 1.0457e-06)</p>
 <p>M21</p>	 <p>MA0287.1_CUP2 (E val: 2.1797e-05)</p>
 <p>M58</p>	 <p>MA0402.1_SWI5 (E val: 1.5929e-06)</p>
 <p>M14</p>	 <p>MA0332.1_MET28 (E val: 1.8020e-05)</p>
 <p>M20</p>	 <p>MA0055.1_Myf (E val: 4.5096e-07)</p>

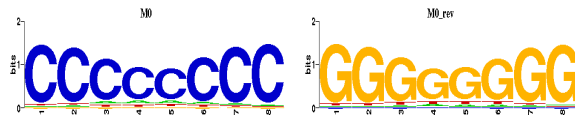
 <p>M40</p>	 <p>MA0305.1_GCR2 (E val: 1.8435e-07)</p>
 <p>M96</p>	 <p>MA0418.1_YAP6 (E val: 1.4470e-04)</p>
 <p>M9</p>	 <p>MA0340.1_MOT3 (E val: 2.5051e-05)</p>
 <p>M48</p>	 <p>MA0340.1_MOT3 (E val: 2.6728e-05)</p>
 <p>M73</p>	 <p>MA0099.2_API (E val: 1.9743e-06)</p>
 <p>M92</p>	 <p>MA0119.1_TLX1_NFIC (E val: 3.4095e-05)</p>
 <p>M1</p>	 <p>MA0277.1_AZF1 (E val: 6.4776e-08)</p>
 <p>M53</p>	 <p>MA0277.1_AZF1 (E val: 4.7713e-09)</p>

 <p>M57</p>	 <p>MA0277.1_AZF1 (E val: 7.5760e-06)</p>
 <p>M80</p>	 <p>MA0296.1_FKH1 (E val: 1.0303e-06)</p>
 <p>M86</p>	 <p>MA00445.1_D (E val: 1.8432e-06)</p>
 <p>M67</p>	 <p>MA0126.1_ovo (E val: 9.3240e-07)</p>
 <p>M88</p>	 <p>MA0233.1_mirr (E val: 5.3368e-05)</p>
 <p>M94</p>	 <p>MA0277.1_AZF1 (E val: 8.3724e-06)</p>
 <p>M81</p>	 <p>MA0442.1_SOX10 (E val: 6.9167e-08)</p>
 <p>M65</p>	 <p>MA0151.1_ARID3A (E val: 6.9219e-05)</p>

 <p>M5</p>	 <p>MA0009.1_T (E val: 1.0496e-03)</p>
 <p>M45</p>	 <p>MA0150.1_NFE2L2 (E val: 1.6705e-05)</p>
 <p>M83</p>	 <p>MA0207.1_achi (E val: 2.2958e-05)</p>

Motif Similarity Matches

M0

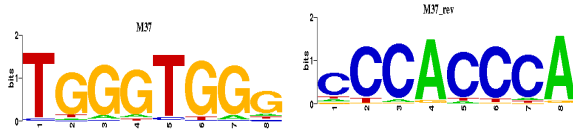


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	5.3160e-07	GGGGGGGG-- GGGGNGGGG	
MA0068.1_Pax4	5.8806e-07	GGGGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTYY	
MA0073.1_RREB1	1.6136e-06	-GGGGGGGG----- NGKKKGKGGGTGKTTTGGGG	
MA0443.1_btd	2.5148e-06	-CCCCCCC- YCCGCCMCN	
MA0456.1_opa	3.3352e-06	--GGGGGGGG-- CNGCGGGGGK	

M37

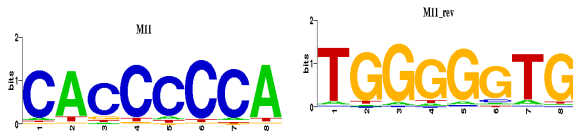


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	2.5890e-06	--CCCACCCA GCCMCRCCCN	
MA0359.1_RAP1	2.6211e-05	----TGGGTGGG TGTATGGGTG--	
MA0436.1_YPR022C	1.7532e-04	TGGGTGGG-- --NGTGGGG	
MA0193.1_Lag1	2.2421e-04	TGGGTGGG TTGGTRG-	
MA0373.1_RPN4	2.3374e-04	-CCCACCCA CGCCACC--	

M11



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	2.4157e-06	----TGGGGGTG----- NGKKKGKGGGTGKTTTGGGG	

Stamp Results

10/01/13

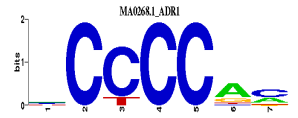
MA0450.1_hkb 1.8631e-05

TGGGGGTG-
KGGGCGTGA



MA0268.1_ADR1 2.1286e-04

-TGGGGGTG
KTGGGN--



MA0155.1_INSM1 2.1320e-04

CACCCCCA----
YCCCCCTGRCA

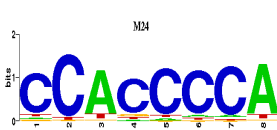


MA0436.1_YPR022C 2.1901e-04

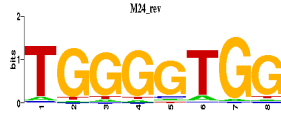
--TGGGGGTG
NGTGGG---



M24



forward



reverse compliment

Name

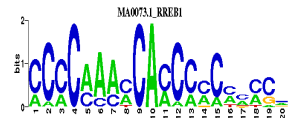
E value

Alignment

Motif

MA0073.1_RREB1 5.6471e-05

-----CCACCCA-----
CCCCAAAMCACCCMCMMMCNC



MA0268.1_ADR1 2.1082e-04

-TGGGGTGG
KTGGGN--



MA0436.1_YPR022C 2.3211e-04

CCACCCA--
---CCCCACN



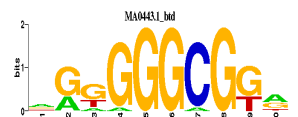
MA0373.1_RPN4 2.4586e-04

TGGGGTGG--
---GGTGGCG

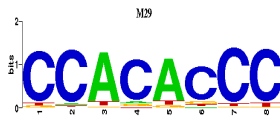


MA0443.1_btd 3.8169e-04

-CCACCCA-
YCCGCCMCN



M29

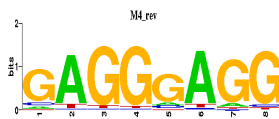
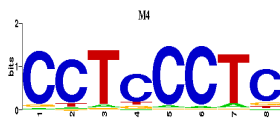


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	2.5504e-09	-CCACACCC- GCCMCRCCCN	
MA0270.1_AFT2	2.6691e-06	-GGGTGTGG NGGGTGTN-	
MA0332.1_MET28	1.8647e-05	CCACACCC CCACAG--	
MA0009.1_T	3.1575e-05	--GGGTGTGG- CTAGGTGTGAA	
MA0450.1_hkb	5.4204e-05	CCACACCC- TCACGCCCM	

M4



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.0519e-05	GAGGGAGG-- GGGGNGGGG	
MA0149.1_EWSR1-FLI1	1.0739e-03	-----CCTCCCTC-- CCTTCCTTCCTTCCTTC	

MA0080.2_SPI1

1.1169e-03

CCTCCCTC
ACTTCCT-



MA0443.1_btd

1.4447e-03

-CCTCCCTC-
YCCGCCMCN



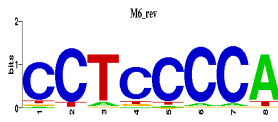
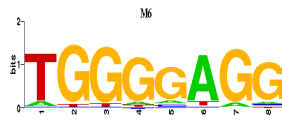
MA0366.1_RGM1

1.8403e-03

GAGGGAGG
-AGGGG--



M6



forward

reverse compliment

Name

E value

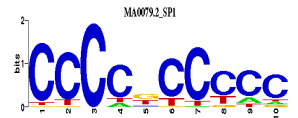
Alignment

Motif

MA0079.2_SPI1

1.5781e-06

TGGGGAGG--
GGGGNGGGG



MA0056.1_MZF1_1-4

2.2064e-05

CCTCCCCA
--TCCCN



MA0268.1_ADR1

2.1224e-04

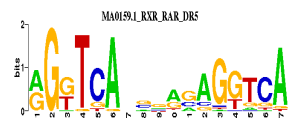
-TGGGGAGG
KTGGGN--



MA0159.1_RXR_RAR_DR5

2.1937e-04

-----TGGGGAGG---
RGKTCANNRNRNAGGTCA



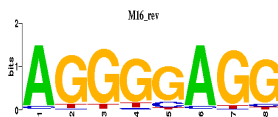
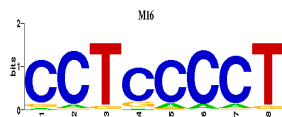
MA0436.1_YPR022C

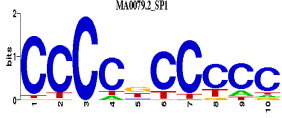




2.2322e-04

--TGGGGAGG
NGTGGG---

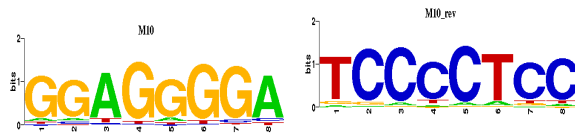


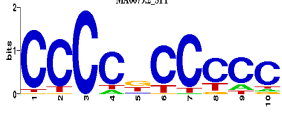


M16



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.4095e-06	AGGGGAGG-- GGGGGNGGGG	
MA0366.1_RGM1	2.1585e-06	CCTCCCCT ---CCCCT	
MA0342.1_MSN4	2.4574e-06	AGGGGAGG AGGGG---	
MA0341.1_MSN2	6.5579e-06	AGGGGAGG AGGGG---	
MA0056.1_MZF1_1-4	2.3224e-05	AGGGGAGG NGGGGA--	

M10



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.0076e-06	---GGAGGGGA GGGGGNGGGG-	
MA0366.1_RGM1	1.9341e-06	TCCCCTCC -CCCCT--	
MA0342.1_MSN4	2.2815e-06	TCCCCTCC -CCCCT--	

MA0341.1_MSN2 7.3017e-06

TCCCCTCC
-CCCCT--

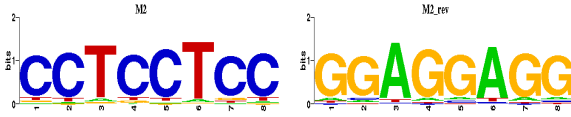


MA0056.1_MZF1_1-4 2.0257e-05

TCCCCTCC
TCCCN--



M2



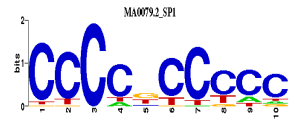
forward

reverse complement

Name *E value* *Alignment* *Motif*

MA0079.2_SP1 1.7003e-06

GGAGGAGG--
GGGGNGGGG



MA0283.1_CHA4 3.2684e-05

CCTCCTCC
NCTCCGCC



MA0062.1_GABPA 3.1608e-04

---GGAGGAGG
ACCGGAAGNS-



MA0080.2_SPI1 8.0674e-04

-CCTCCTCC
ACTTCCT--

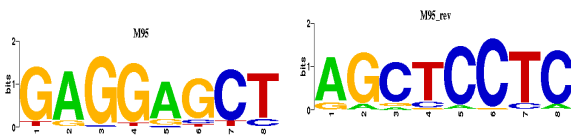


MA0081.1_SPIB 8.6265e-04

CCTCCTCC
-TTCKST

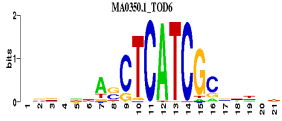
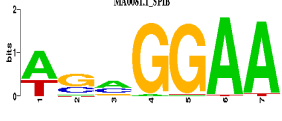





M95

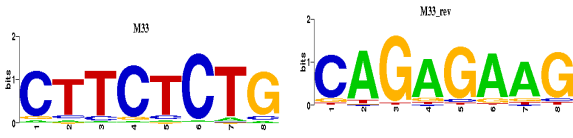


forward

reverse complement

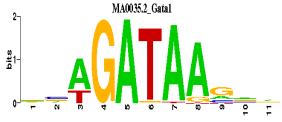
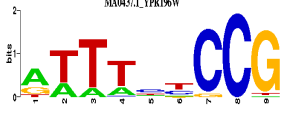


<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0350.1_TOD6	1.7907e-04	-----GAGGAGCT----- NNNNNGCGATGAGSTNNNNNN	
MA0081.1_SPIB	1.1622e-03	AGCTCCTC- --TTCKST	
MA0354.1_PDR8	4.9223e-03	GAGGAGCT NCGGAGAT	
MA0342.1_MSN4	5.1947e-03	AGCTCCTC --CCCCT-	
MA0130.1_ZNF354C	5.3294e-03	GAGGAGCT GTGGAK--	

M33



forward

reverse complement

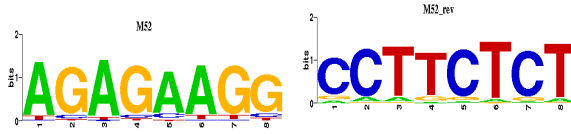
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0035.2_Gata1	2.9707e-04	--CTTCTCTG-- NNNTTATCTNN	
MA0437.1_YPR196W	3.8958e-04	CAGAGAAG- CGGRNAAAT	
MA0287.1_CUP2	9.4245e-04	CTTCTCTG--- CWTTTYTGCTG	
MA0289.1_DAL80	1.1692e-03	CTTCTCTG CTTATCG-	

MA0432.1_YNR063W 1.6296e-03

-CAGAGAAG
TCGAGAT-



M52



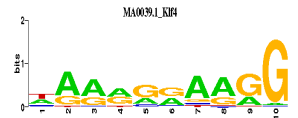
forward

reverse compliment

Name *E value* *Alignment* *Motif*

MA0039.1_Klf4 1.0429e-04

CCTTCTCT--
CCTYYTNN



MA0035.2_Gata1 3.4759e-04

-CCTTCTCT--
NNNTTATCTNN



MA0289.1_DAL80 1.2727e-03

CCTTCTCT
-CTTATCG



MA0029.1_Evi1 1.7937e-03

-----CCTTCTCT-
NNTTATCTTCTNN

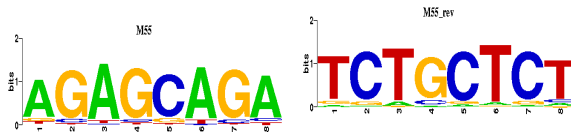


MA0300.1_GAT1 3.3142e-03

CCTTCTCT-
-CTTATCNN



M55



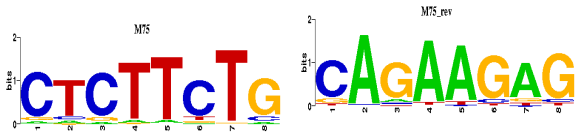
forward

reverse compliment

Name *E value* *Alignment* *Motif*

MA0326.1_MAC1	3.4387e-05	AGAGCAGA YGAGCAAA	
MA0451.1_kni	1.1573e-04	TCTGCTCT----- -NTGCTCTANTTT	
MA0287.1_CUP2	1.1707e-03	AGAGCAGA----- -CAGCARAAAWG	
MA0065.2_PPARG_RXRA	2.0547e-03	-----TCTGCTCT-- TGMCCTTTGNCCYNN	
MA0148.1_FOXA1	4.1982e-03	-AGAGCAGA-- NWRWGYAAACA	

M75



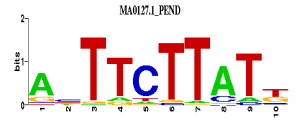
forward

reverse compliment

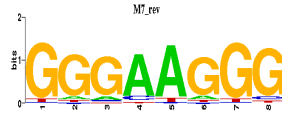
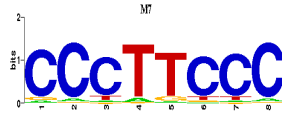
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0062.1_GABPA	7.7438e-07	--CAGAAGAG ACCGGAAGNS	
MA0287.1_CUP2	1.5634e-04	---CAGAAGAG CAGCARAAAWG	
MA0377.1_SFL1	1.1857e-03	-----CTCTTCTG----- WNWNNWTCTTCNNTNNNNNN	
MA0062.2_GABPA	2.1498e-03	--CTCTTCTG- NNCACTTCCGG	

MA0127.1_PEND 3.7973e-03

CTCTTCTG---
-ANTTCTTATK



M7

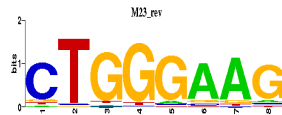
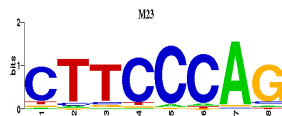


forward

reverse compliment

Name	E value	Alignment	Motif
MA0079.2_SPI	5.5974e-06	-CCCTTCCC- CCCCNCCCC	
MA0039.1_Klf4	2.4319e-05	---GGGAAGGG NAARRRAAGG-	
MA0080.1_SPI1	5.5416e-05	CCCTTCCC --STTCN	
MA0305.1_GCR2	1.7645e-04	GGGAAGGG NGGAAGC-	
MA0080.2_SPI1	1.8101e-04	GGGAAGGG AGGAAGT-	

M23



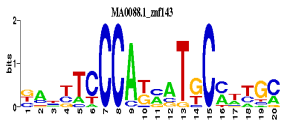
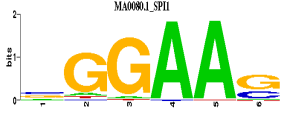

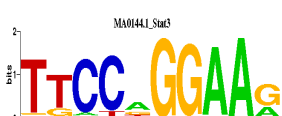

forward

reverse compliment

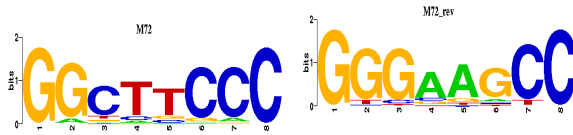
Name	E value	Alignment	Motif
------	---------	-----------	-------

Stamp Results

10/01/13





MA0088.1_znf143	3.4305e-05	--CTTCCCAG----- NNNNTCCCAKNNTKCMNNGM	
MA0080.1_SPI1	4.5765e-05	CTTCCCAG STTCN--	
MA0282.1_CEP3	5.3652e-05	CTTCCCAG NTTCCGAR	
MA0144.1_Stat3	8.8948e-05	CTTCCCAG-- CTTCNGGAA	
MA0305.1_GCR2	1.7306e-04	CTGGGAAG-- --NGGAAGC	

M72



forward

reverse compliment

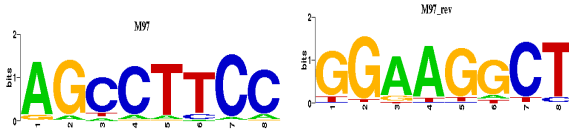
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0304.1_GCR1	8.9612e-10	GGCTTCCC GGCTTCCA	
MA0305.1_GCR2	1.7427e-07	GGGAAGCC NGGAAGC-	
MA0260.1_che-1	4.7057e-07	GGCTTCCC GGYTTC--	
MA0105.1_NFKB1	6.1457e-06	--GGCTTCCC-- GGGGATTCCCC	

MA0061.1_NF-kappaB 1.4372e-05

GGGAAGCC--
GGRAAKTCCC



M97



forward

reverse compliment

Name

E value

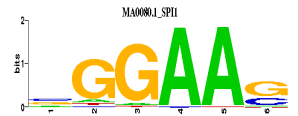
Alignment

Motif

MA0080.1_SPI1

5.5149e-05

AGCCTTCC--
---SITCCN



MA0304.1_GCR1

1.1118e-04

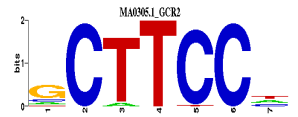
AGCCTTCC--
-GGCTTCCA



MA0305.1_GCR2

1.8813e-04

-GGAAGGCT
NGGAAGC--



MA0080.2_SPI1

2.3028e-04

AGCCTTCC--
--ACTTCT

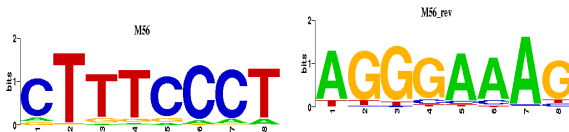


MA0149.1_EWSR1-FLI1 2.8597e-04

-----AGCCTTCC
CCTTCCTTCCTTCCTTC



M56



forward

reverse compliment

Name

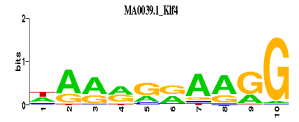
E value

Alignment

Motif

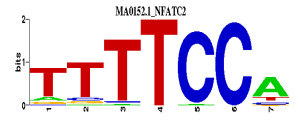
MA0039.1_Klf4 1.1284e-04

CTTTCCT--
CCTTYYYTNN



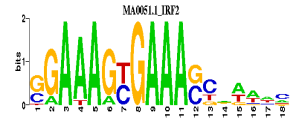
MA0152.1_NFATC2 1.8732e-04

AGGGAAAG
-TGGAAAA



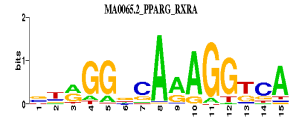
MA0051.1_IRF2 2.3986e-04

----AGGGAAAG-----
SGAAAGYGAAASYNWWNN



MA0065.2_PPARG_RXRA 5.7503e-04

----CTTTCCT--
TGMCCTTGNCCYNN

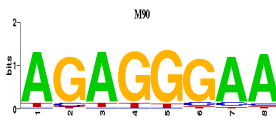


MA0438.1_YRM1 6.9841e-04

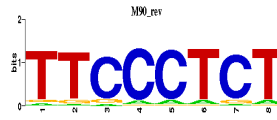
CTTTCCT
ATNTCCGN



M90



forward



reverse compliment

Name

E value

Alignment

Motif

MA0081.1_SPIB 7.1819e-05

TTCCTCT
-TTCKST



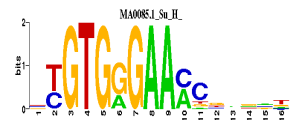
MA0057.1_MZF1_5-13 9.3401e-04

TTCCTCT--
NTNCCCCTMN



MA0085.1_Su_H_ 1.2125e-03

-----TTCCTCT-
NNNNNGKTTCCCACRN



MA0149.1_EWSR1-FLI1 1.6359e-03

----AGAGGGAA-----
GGAAGGAAGGAAGGAAGG



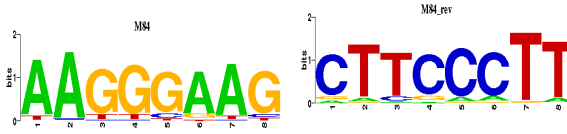
MA0366.1_RGM1

1.9060e-03

TTCCCTCT
-CCCCT--



M84

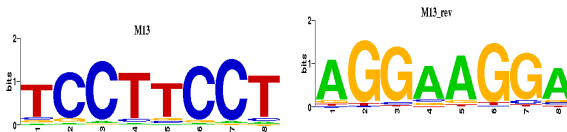


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	5.2201e-07	-CTTCCTT- CCTTYYTNN	
MA0080.1_SPI1	4.4616e-05	CTTCCTT STTCN--	
MA0154.1_EBF1	1.4549e-04	CTTCCTT---- --TCCCTNGGNN	
MA0305.1_GCR2	1.8777e-04	AAGGGAAG- --NGGAAGC	
MA0080.2_SPI1	2.3161e-04	-CTTCCTT ACTTCCT--	

M13



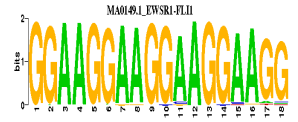
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
-------------	----------------	------------------	--------------

MA0149.1_EWSR1-FLI1 9.8183e-11

---TCCTTCCT-----
CCTTCCTTCCTTCCTTC



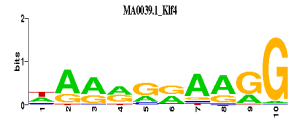
MA0080.2_SPI1 2.0321e-07

TCCTTCCT
-ACTTCCT



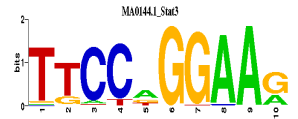
MA0039.1_Klf4 5.5142e-06

TCCTTCCT---
-CCTYYT



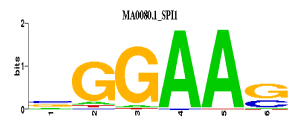
MA0144.1_Stat3 4.4471e-05

TCCTTCCT----
--CTCCNGGAA

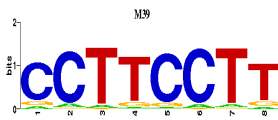


MA0080.1_SPI1 4.7202e-05

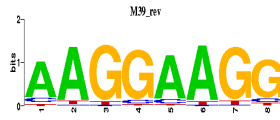
TCCTTCCT
--STCCN



M39



forward



reverse compliment

Name

E value

Alignment

Motif

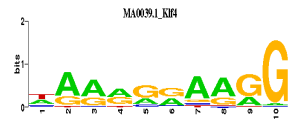
MA0149.1_EWSR1-FLI1 1.1514e-10

CCTTCCTT-----
CCTTCCTTCCTTCCTTC



MA0039.1_Klf4 3.1919e-08

CCTTCCTT--
CCTYYT



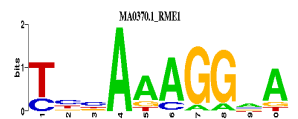
MA0080.2_SPI1 2.5406e-07

CCTTCCTT
ACTTCCT-



MA0370.1_RME1 3.1727e-05

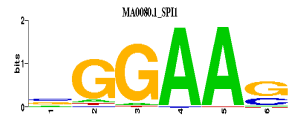
CCTTCCTT----
--TNCCTTNA



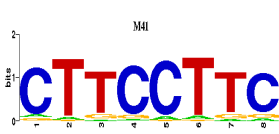
MA0080.1_SPI1

5.2304e-05

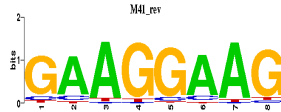
CCTTCCT
-STTCN-



M41



forward



reverse compliment

Name

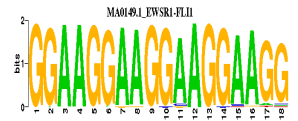
E value

Alignment

Motif

MA0149.1_EWSR1-FLI1 1.1255e-10

-----GAAGGAAG-
GGAAGGAAGGAAGGAAG



MA0080.2_SPI1

2.4912e-07

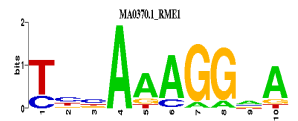
GAAGGAAG-
--AGGAAGT



MA0370.1_RME1

3.0969e-05

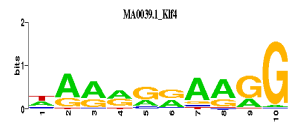
CTTCCTTC---
-TNCCTTTNNA



MA0039.1_Klf4

3.3177e-05

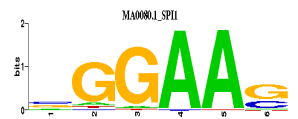
-CTTCCTTC-
CCTTYYYTTN



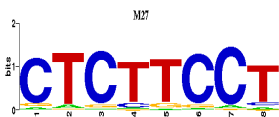
MA0080.1_SPI1

4.3717e-05

CTTCCTTC
STTCN--



M27



forward



reverse compliment

Name

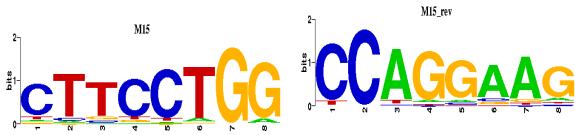
E value

Alignment

Motif

MA0062.1_GABPA	4.2074e-08	CTCTTCCT-- SNCTTCCGGT	
MA0080.2_SPI1	2.1684e-07	CTCTTCCT -ACTTCCT	
MA0080.1_SPI1	4.0351e-05	CTCTTCCT --STTCN	
MA0144.1_Stat3	4.7843e-05	CTCTTCCT---- --CTTCCNGGAA	
MA0156.1_FEV	8.2960e-05	-AGGAAGAG CAGGAART-	

M15



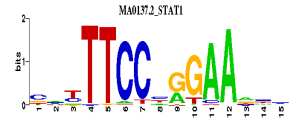
forward

reverse compliment

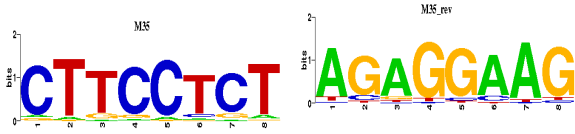
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0144.1_Stat3	5.8460e-12	CTTCCTGG-- CTTCCNGGAA	
MA0156.1_FEV	3.7684e-08	-CTTCCTGG AYTTCCTG-	
MA0026.1_Eip74EF	1.7546e-07	CTTCCTGG YTTCGG-	
MA0080.2_SPI1	1.9507e-07	-CTTCCTGG ACTTCCT--	

MA0137.2_STAT1 4.4568e-05

--CTTCCTGG-----
NNYTTCCNGGAANN



M35

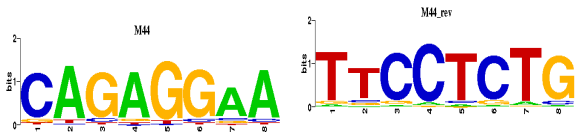


forward

reverse compliment

Name	E value	Alignment	Motif
MA0081.1_SPIB	9.4397e-10	CTTCCTCT -TTCKST	
MA0080.2_SPI1	2.2253e-07	AGAGGAAG- --AGGAAGT	
MA0039.1_Klf4	1.0719e-05	-CTTCCTCT- CCTTYYYT	
MA0080.1_SPI1	4.3769e-05	CTTCCTCT STTCN--	
MA0144.1_Stat3	5.0126e-05	CTTCCTCT-- CTTCNGGAA	

M44



forward

reverse compliment

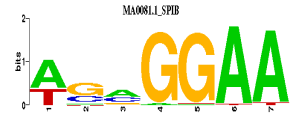
Name	E value	Alignment	Motif
------	---------	-----------	-------

Stamp Results

10/01/13

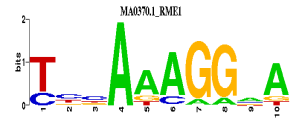
MA0081.1_SPIB 1.0251e-09

CAGAGGAA
-ASMGGAA



MA0370.1_RME1 3.4259e-07

--CAGAGGAA
TNNAAGGNA



MA0090.1_TEAD1 1.5253e-06

CAGAGGAA----
CNSWGAATGTR



MA0080.2_SPI1 2.0740e-04

--TTCCTCTG
ACTTCCT---

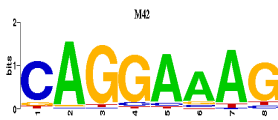


MA0287.1_CUP2 3.7148e-04

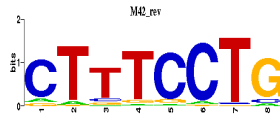
CAGAGGAA---
CAGCARAAWG



M42



forward



reverse compliment

Name

E value

Alignment

Motif

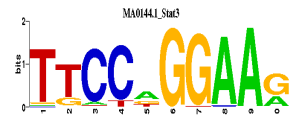
MA0156.1_FEV 1.5742e-08

CTTTCCTG
AYTTCCTG



MA0144.1_Stat3 1.4436e-05

CTTTCCTG---
-CTTCNGGAA



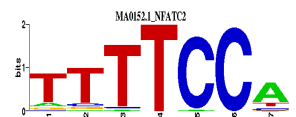
MA0026.1_Eip74EF 6.7196e-05

CAGGAAAG
CCGGAAR-



MA0152.1_NFATC2 1.8334e-04

CAGGAAAG
-TGGAAAA

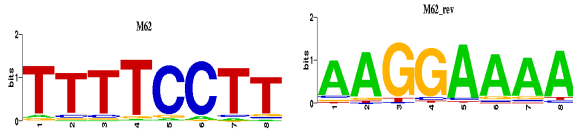


MA0090.1_TEAD1 2.0011e-04

--CAGGAAAG--
CNSWGGAATGTR



M62

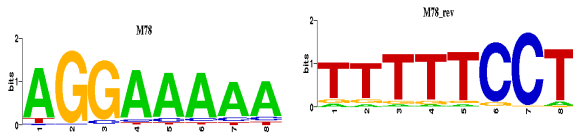


forward

reverse compliment

Name	E value	Alignment	Motif
MA0120.1_id1	9.8373e-08	----AAGGAAAA CGNNANNRRMNA	
MA0152.1_NFATC2	1.5463e-07	AAGGAAAA -TGGAAAA	
MA0277.1_AZF1	7.9888e-06	TTTTCCTT-- -TTTCTTTT	
MA0294.1_EDS1	1.2970e-05	--TTTTCCTT NTTNTTCN-	
MA0156.1_FEV	1.5981e-05	TTTTCCTT AYTTCCTG	

M78




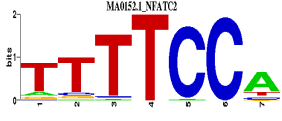
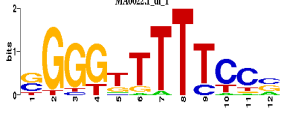


forward

reverse compliment

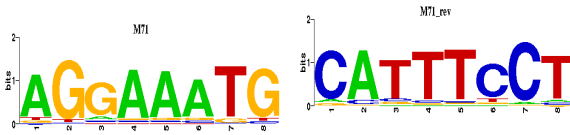
Name	E value	Alignment	Motif
------	---------	-----------	-------

Stamp Results

10/01/13


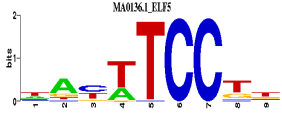


MA0294.1_EDS1	5.6245e-09	-TTTTTCCT NTTNTTCN	
MA0152.1_NFATC2	1.7072e-07	AGGAAAAA TGGAAAA-	
MA0022.1_dl_1	1.8135e-07	AGGAAAAA---- NGGAAAAACCCS	
MA0367.1_RGT1	9.5422e-07	-AGGAAAAA-- NCGGANNAANN	
MA0156.1_FEV	2.8336e-05	TTTTTCCT- -AYTTCCTG	

M71



forward

reverse compliment

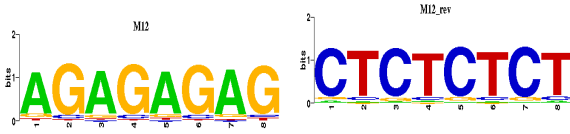
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0156.1_FEV	8.7786e-09	CATTCCT- -AYTTCCTG	
MA0136.1_ELF5	7.9634e-07	-AGGAAATG NMGGAARTN	
MA0080.2_SPI1	9.8350e-07	AGGAAATG AGGAAGT-	
MA0438.1_YRM1	1.3816e-06	CATTCCT- -ATNTCCGN	

MA0107.1_REL A 1.9231e-05

---CATTTCCT
GGGANTTTC-



M12

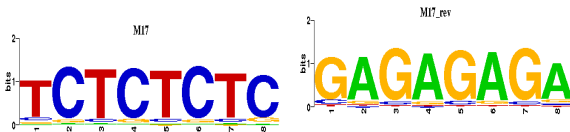


forward

reverse compliment

Name	E value	Alignment	Motif
MA0205.1_Tr1	3.8555e-03	AGAGAGAG--- -NNGAGAGNNR	
MA0159.1_RXR_RAR_DR5	6.3163e-03	---CTCTCTCT--- TGACCTNYNNNTGAMCY	
MA0039.1_Klf4	1.0025e-02	-AGAGAGAG- NAARRRAAGG	
MA0207.1_achi	2.6487e-02	AGAGAGAG --TGACAG	
MA0298.1_FZF1	2.7119e-02	CTCTCTCT CTATCA--	

M17



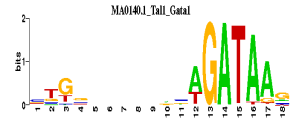
forward

reverse compliment

Name	E value	Alignment	Motif
------	---------	-----------	-------

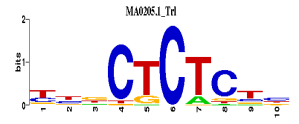
MA0140.1_Tal1_Gata1 1.4561e-03

----TCTCTCTC-----
NTTATCTNNNNNNNNNCNN



MA0205.1_Tr1 3.8355e-03

GAGAGAGA--
NNGAGAGNNR



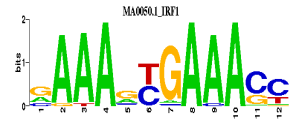
MA0057.1_MZF1_5-13 1.5077e-02

-TCTCTCTC-
NTNCCCCTMN



MA0050.1_IRF1 2.1061e-02

----TCTCTCTC
GGTTTCRNTTTN

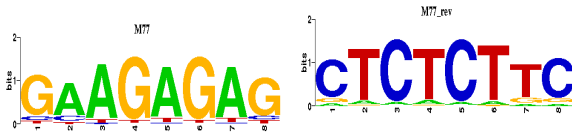


MA0207.1_achi 2.6426e-02

TCTCTCTC
-CTGTCA-



M77



forward

reverse compliment

Name

E value

Alignment

Motif

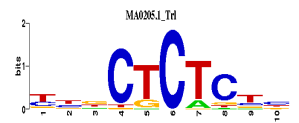
MA0062.1_GABPA 5.2866e-05

CTCTCTC----
--SNCTTCCGGT



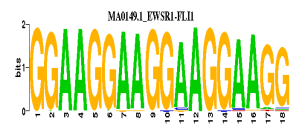
MA0205.1_Tr1 3.5217e-03

GAAGAGAG---
-NNGAGAGNNR



MA0149.1_EWSR1-FLI1 7.6856e-03

-----CTCTCTC-
CCTTCCTTCCTTCCTTC



MA0277.1_AZF1 1.0544e-02

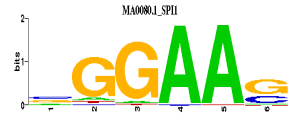
--GAAGAGAG
AAAAAGAAA-



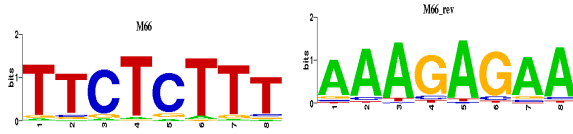
MA0080.1_SPI1

1.2843e-02

CTCTCTTC--
----STTCN



M66

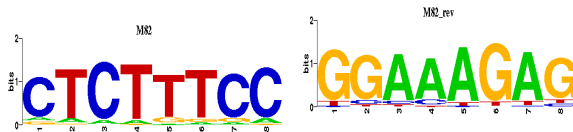


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	2.0737e-07	AAAGAGAA- AAAAAGAAA	
MA0011.1_br_Z2	2.5556e-06	AAAGAGAA AAATAGNW	
MA0050.1_IRF1	5.6470e-06	---TTCTCTTT- GGTTTCRNTTTN	
MA0051.1_IRF2	2.5633e-05	-----TTCTCTTT-- NNWWNRSTTTCRCITTC	
MA0459.1_tll	4.3563e-04	-TTCTCTTT- KTTGACTTTT	

M82



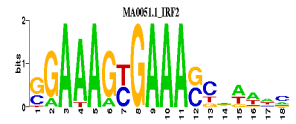
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
-------------	----------------	------------------	--------------

MA0051.1_IRF2 7.3562e-05

-----CTCTTTCC
NNWWNRSTTTTCRCTTCS



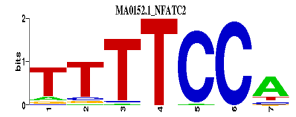
MA0294.1_EDS1 1.1026e-04

CTCTTTCC-
NTTNTTCN



MA0152.1_NFATC2 1.9469e-04

-GGAAAGAG
TGGAAAA--



MA0062.1_GABPA 3.7065e-04

CTCTTTCC--
SNCTTCCGGT

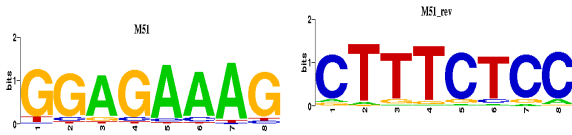


MA0438.1_YRM1 6.9991e-04

CTCTTTCC--
--ATNTCCGN



M51



forward

reverse compliment

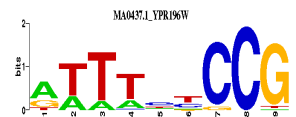
Name *E value*

Alignment

Motif

MA0437.1_YPR196W 1.0613e-07

-GGAGAAAG
CGGRNAAAT



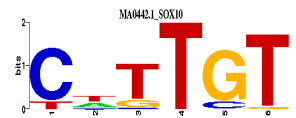
MA0294.1_EDS1 1.8852e-04

CTTTCTCC-
NTTNTTCN



MA0442.1_SOX10 2.7011e-04

GGAGAAAG
--ACAAG



MA0422.1_YDR520C 3.1878e-04

CTTTCTCC--
NTAWNTCCGN

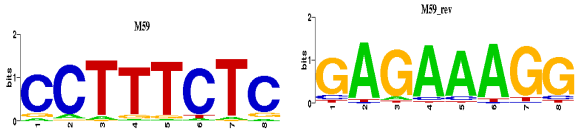


MA0432.1_YNR063W 3.2557e-04

--GGAGAAAG
TCGGAGAT--



M59

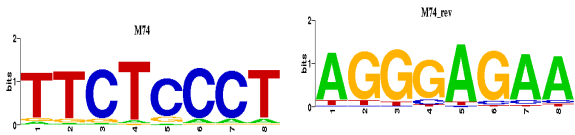


forward

reverse compliment

Name	E value	Alignment	Motif
MA0039.1_Klf4	2.5513e-05	--GAGAAAGG NAARRRAAGG	
MA0437.1_YPR196W	8.4400e-05	--GAGAAAGG CGGRNAAAT-	
MA0243.1_sd	4.8404e-04	--GAGAAAGG-- NYNNNRAATKWN	
MA0442.1_SOX10	5.0445e-04	GAGAAAGG -ACAAWG-	
MA0080.2_SPI1	1.0091e-03	CCTTTCTC ACTTCCT-	

M74



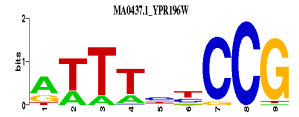
forward

reverse compliment

Name	E value	Alignment	Motif
------	---------	-----------	-------

MA0437.1_YPR196W 7.0826e-05

AGGGAGAA--
-CGGRNAAAT



MA0432.1_YNR063W 2.4611e-04

AGGGAGAA
TCGGAGAT



MA0354.1_PDR8 6.8438e-04

TTCTCCCT
ATCTCCGN



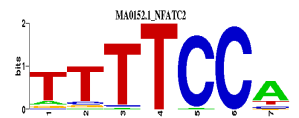
MA0057.1_MZF1_5-13 7.3848e-04

TTCTCCCT--
NTNCCCCTMN

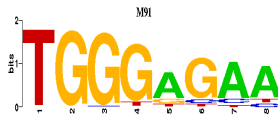


MA0152.1_NFATC2 1.3741e-03

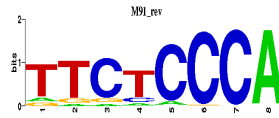
AGGGAGAA
-TGAAAA



M91



forward



reverse compliment

Name

E value

Alignment

Motif

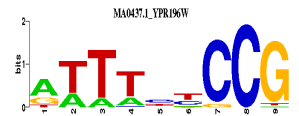
MA0432.1_YNR063W 3.5669e-06

TGGGAGAA
TCGGAGAT



MA0437.1_YPR196W 4.6926e-05

TGGGAGAA--
-CGGRNAAAT



MA0354.1_PDR8 7.2444e-04

TTCTCCCA
ATCTCCGN



MA0085.1_Su_H_ 9.9341e-04

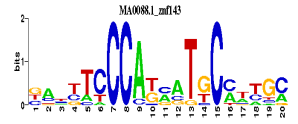
-----TTCTCCCA-
NNNNNGKTCCACRN



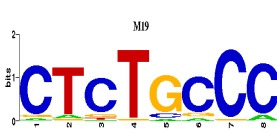
MA0088.1_znf143

1.5054e-03

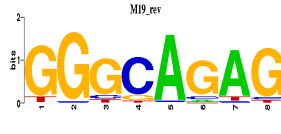
-----TGGGAGAA--
 KCNNKGMANNMTGGGANNNN



M19



forward



reverse compliment

Name

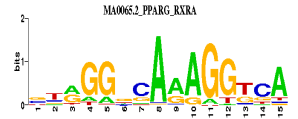
E value

Alignment

Motif

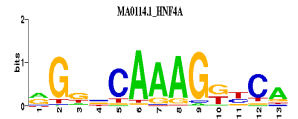
MA0065.2_PPARG_RXRA 1.1444e-07

----CTCTGCCC--
 TGMCCTTTGNCCYNN



MA0114.1_HNF4A 3.8750e-05

----CTCTGCCC--
 TGNMCTTTGNNCY



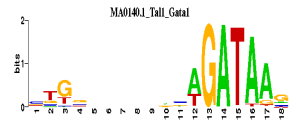
MA0283.1_CHA4 5.1200e-05

-CTCTGCCC
 NCTCCGCC-



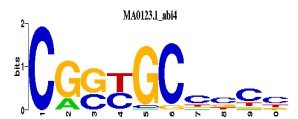
MA0140.1_Tal1_Gata1 3.0926e-04

---CTCTGCCC-----
 NTTATCTNNNNNNNNCNN

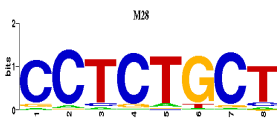


MA0123.1_abi4 3.9926e-04

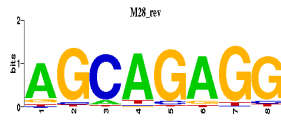
--GGGCAGAG
 NGNNGCRSCG



M28



forward



reverse compliment

Name

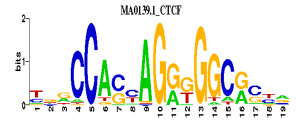
E value

Alignment

Motif

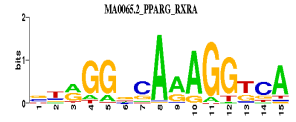
MA0139.1_CTCF 1.0453e-04

-----AGCAGAGG-----
YNNCCASYAGGKGGCRSNN



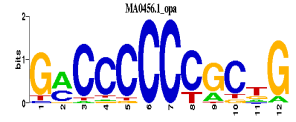
MA0065.2_PPARG_RXRA 1.2892e-04

---CCTCTGCT---
TGMCCTTTGNCCYNN



MA0456.1_opa 7.3381e-04

-AGCAGAGG---
CNGCGGGGGGKC



MA0287.1_CUP2 8.5836e-04

--CCTCTGCT-
CWTTYTGCTG

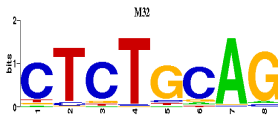


MA0364.1_REI1 8.8303e-04

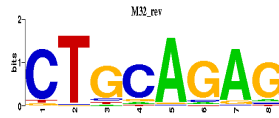
AGCAGAGG
-NCAGGGG



M32



forward



reverse compliment

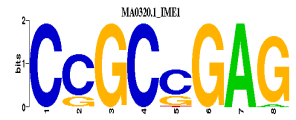
Name E value

Alignment

Motif

MA0320.1_IME1 5.4555e-04

CTCTGCAG
CTCGGCGG



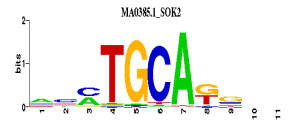
MA0150.1_NFE2L2 5.7167e-04

CTGCAGAG----
-TGCTNWGTCAY



MA0385.1_SOK2 1.1788e-03

---CTGCAGAG
NNNMTGCAKNN



MA0062.1_GABPA 2.3665e-03

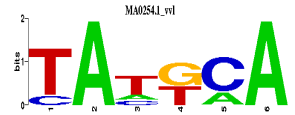
CTCTGCAG--
SNCTTCCGGT



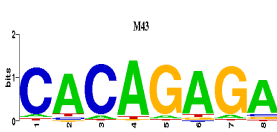
MA0254.1_vv1

2.8019e-03

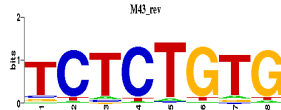
CTGCAGAG
-TGMATA-



M43



forward



reverse compliment

Name

E value

Alignment

Motif

MA0332.1_MET28

1.8628e-05

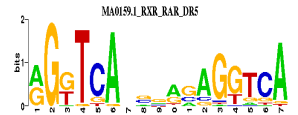
-CACAGAGA
CCACAG---



MA0159.1_RXR_RAR_DR5

1.9202e-04

----TCTCTGTG----
TGACCTNYNNNTGAMCY



MA0335.1_MET4

7.0812e-04

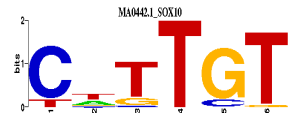
-CACAGAGA
CCACAGNT-



MA0442.1_SOX10

9.0847e-04

CACAGAGA
-ACAAWG-



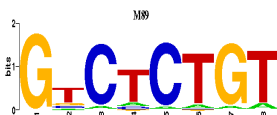
MA0428.1_YKL222C

1.0385e-03

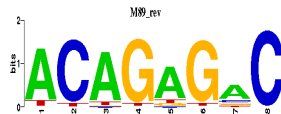
-TCTCTGTG
ATYTCCGTN



M89



forward



reverse compliment

Name





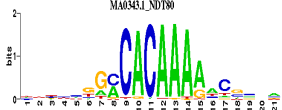
E value

Alignment

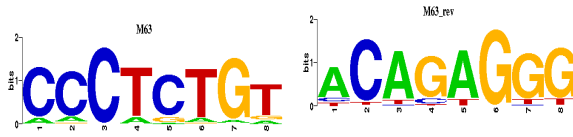
Motif

Stamp Results

10/01/13


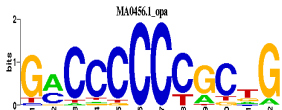
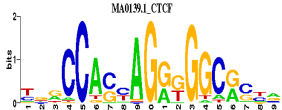

MA0442.1_SOX10	1.3310e-03	ACAGAGAC ACAAWG--	
MA0428.1_YKL222C	1.8026e-03	GTCTCTGT- ATYTCCGTN	
MA0354.1_PDR8	3.8647e-03	GTCTCTGT ATCTCCGN	
MA0432.1_YNR063W	4.0164e-03	ACAGAGAC TCGGAGAT	
MA0343.1_NDT80	4.3492e-03	----GTCTCTGT----- NNNNGNTTTTGTGKCNNNNNN	

M63



forward

reverse compliment

Name	E value	Alignment	Motif
MA0091.1_TAL1_TCF3	8.3441e-05	-ACAGAGGG--- AMCAGATGKTNN	
MA0456.1_opa	7.9917e-04	-----CCCTCTGT GMCCCCCGCNG-	
MA0139.1_CTCF	1.0564e-03	-----CCCTCTGT----- NNSYGCCMCTRSTGGNNR	
MA0442.1_SOX10	1.1921e-03	CCCTCTGT --CWTTGT	

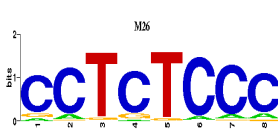
MA0155.1_INSM1

1.2419e-03

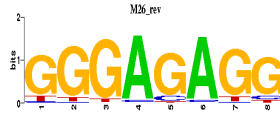
--ACAGAGGG--
TGYCAGGGGGCR



M26



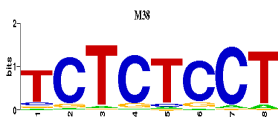
forward



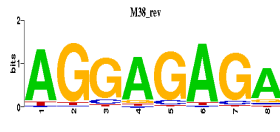
reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	8.3840e-06	GGGAGAGG-- GGGGGNGGGG	
MA0159.1_RXR_RAR_DR5	8.5449e-05	---CCTCTCCC----- TGACCTNYNNNTGAMCY	
MA0065.2_PPARG_RXRA	3.2912e-04	---CCTCTCCC----- TGMCCITTGNCCYNN	
MA0062.1_GABPA	4.8797e-04	CCTCTCCC--- -SNCTTCCGGT	
MA0323.1_IXR1	5.3533e-04	-----GGGAGAGG-- AARCCGGAAGCGGKG	

M38



forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
-------------	----------------	------------------	--------------

Stamp Results

10/01/13

MA0354.1_PDR8 6.6066e-04

TCTCTCCT-
-ATCTCCGN



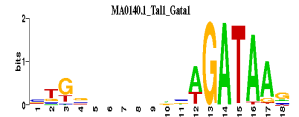
MA0432.1_YNR063W 7.1971e-04

TCTCTCCT-
-ATCTCCGA



MA0140.1_Tal1_Gata1 7.9576e-04

-----TCTCTCCT-----
NTTATCTNNNNNNNNCNN



MA0422.1_YDR520C 8.6256e-04

-TCTCTCCT-
NTAWNTCCGN

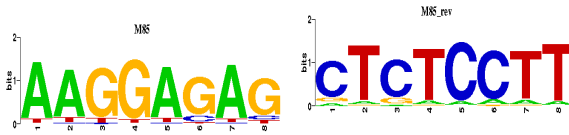


MA0009.1_T 9.3911e-04

-TCTCTCCT--
TTCACACCTAG



M85



forward

reverse compliment

Name

E value

Alignment

Motif

MA0354.1_PDR8 6.8689e-04

CTCTCCTT
ATCTCCGN



MA0432.1_YNR063W 7.7420e-04

AAGGAGAG
TCGGAGAT



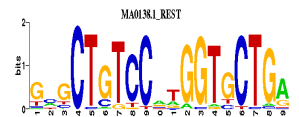
MA0428.1_YKL222C 2.0230e-03

-AAGGAGAG
NACGGARAT



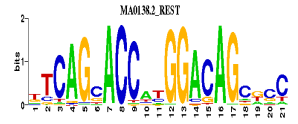
MA0138.1_REST 2.2904e-03

-----AAGGAGAG----
TCAGCACCWNGGACAGCNC

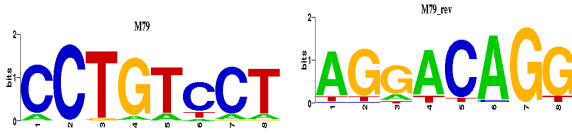


MA0138.2_REST 2.3064e-03

----CTCTCCTT-----
GNNGCTGTCCNNGGTGCTGAN



M79

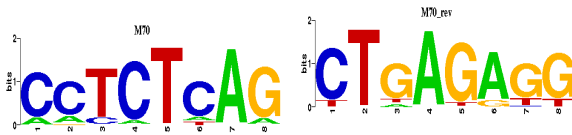


forward

reverse compliment

Name	E value	Alignment	Motif
MA0207.1_achi	2.6521e-05	CCTGTCCT -CTGTCA-	
MA0112.2_ESR1	3.9432e-05	-----CCTGTCCT NNNNNAGGTCANNNTGACCY	
MA0227.1_hth	6.4446e-05	CCTGTCCT -CTGTCA-	
MA0138.1_REST	4.1728e-04	-----AGGACAGG-- TCAGCACCWNGGACAGCNC	
MA0138.2_REST	5.2259e-04	---CCTGTCCT----- GNNGCTGTCCNNGGTGCTGAN	

M70



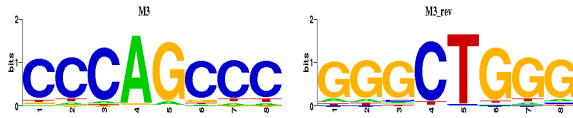
forward

reverse compliment

Name	E value	Alignment	Motif
------	---------	-----------	-------

MA0298.1_FZF1	1.4017e-04	CTGAGAGG -TGATAG-	
MA0227.1_hth	2.8783e-04	CCTCTCAG -CTGTCA-	
MA0207.1_achi	3.2506e-04	CCTCTCAG -CTGTCA-	
MA0159.1_RXR_RAR_DR5	1.5983e-03	---CCTCTCAG----- TGACCTNYNNNTGAMCY	
MA0081.1_SPIB	2.9341e-03	--CCTCTCAG TTCKST---	

M3

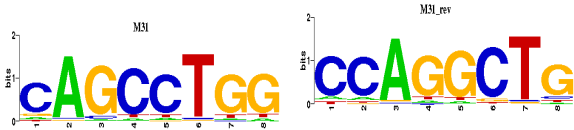


forward

reverse compliment

Name	E value	Alignment	Motif
MA0079.2_SP1	1.7292e-06	--GGGCTGGG GGGGNGGGG	
MA0039.2_Klf4	3.2442e-05	-GGGCTGGG- NGGGYGKGGC	
MA0079.1_SP1	4.9712e-05	-CCCAGCCC- ACCCNGCCNN	
MA0267.1_ACE2	1.8186e-04	CCCAGCCC NCCAGCN-	
MA0402.1_SWI5	5.5909e-04	-CCCAGCCC NACCAGCA-	

M31

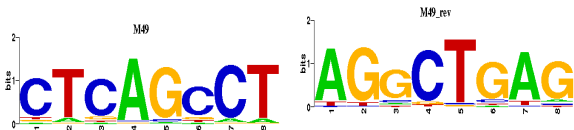


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0112.2_ESR1	5.7362e-04	---CCAGGCTG----- RGGTCANNNTGACCTNNNNN	
MA0144.1_Stat3	2.2829e-03	CAGCCTGG-- CTTCNGGAA	
MA0344.1_NHP10	3.4497e-03	--CCAGGCTG TCCCCGN--	
MA0138.1_REST	4.6281e-03	----CAGCCTGG----- TCAGCACCWNGGACAGCNC	
MA0456.1_opa	4.9092e-03	CAGCCTGG---- CNGCGGGGGGKC	

M49



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0283.1_CHA4	3.8368e-05	AGGCTGAG- -GGCGGAGN	

Stamp Results

10/01/13

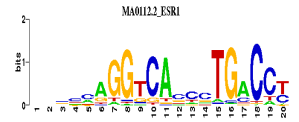
MA0150.1_NFE2L2 9.7092e-05

----CTCAGCCT
RTGACWNAGCA--



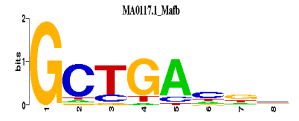
MA0112.2_ESR1 6.7571e-04

-----AGGCTGAG-----
RGGTCANNNTGACCTNNNNN



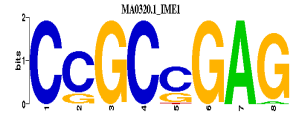
MA0117.1_MafB 8.3228e-04

--CTCAGCCT
NNNTCAGC--

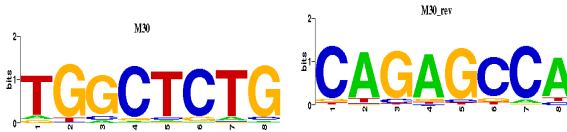


MA0320.1_IME1 4.5576e-03

CTCAGCCT
CTCGGCGG



M30

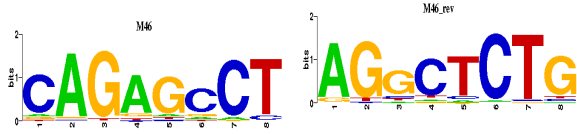


forward

reverse complement

Name	E value	Alignment	Motif
MA0278.1_BAS1	3.1191e-04	-----TGGCTCTG----- NNNWNNTGACTCNGGCYNNNN	
MA0316.1_HAP5	4.7394e-04	-----CAGAGCCA- ACCAATNAGMNSSN	
MA0150.1_NFE2L2	1.6382e-03	-TGGCTCTG-- RTGACWNAGCA	
MA0099.2_AP1	2.1582e-03	CAGAGCCA -TGAGTCA	
MA0326.1_MAC1	2.4829e-03	CAGAGCCA- -YGAGCAA	

M46

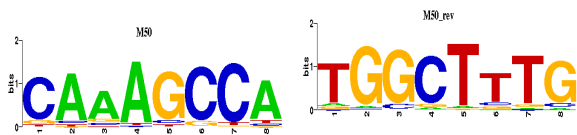


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0316.1_HAP5	5.4824e-04	-----CAGAGCCT- ACCAATNAGMNNSSN	
MA0451.1_kni	1.0642e-02	AGGCTCTG---- NTGCTCTANTTT	
MA0138.2_REST	1.0790e-02	AGGCTCTG----- -GNNCTGTCCNNGGTGCTGAN	
MA0404.1_TBS1	1.2913e-02	CAGAGCCT CGGNTCCG	
MA0053.1_MNB1A	1.5141e-02	AGGCTCTG --NCTTT-	

M50



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0053.1_MNB1A	4.3740e-06	TGGCTTTG --NCTTT-	
MA0064.1_PBF	6.2156e-06	TGGCTTTG --RCTTT-	

MA0020.1_Dof2 1.9924e-05

TGGCTTTG
-NGCTTT-



MA0263.1_ttx-3_c 6.8872e-05

----CAAAGCCA--
YTAACKAARCCAAT

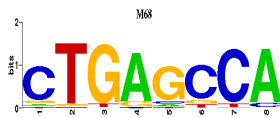


MA0021.1_Dof3 8.3928e-05

TGGCTTTG
-NRCTTT-



M68



forward



reverse compliment

Name

E value

Alignment

Motif

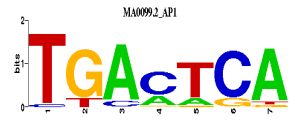
MA0150.1_NFE2L2 1.2607e-06

--CTGAGCCA-
TGCTNWTGTCAY



MA0099.2_API 8.0183e-06

CTGAGCCA
-TGAGTCA



MA0263.1_ttx-3_c 5.4292e-05

----CTGAGCCA--
YTAACKAARCCAAT



MA0099.1_Fos 6.2817e-05

TGGCTCAG
TGANTCAC

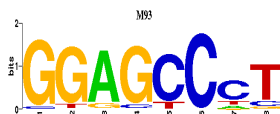


MA0326.1_MAC1 6.8888e-05

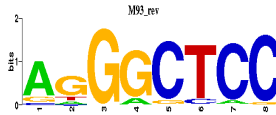
CTGAGCCA-
-YGAGCAAA



M93



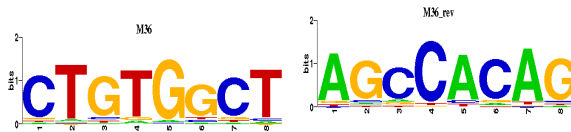
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0403.1_TBF1	1.4269e-04	--AGGGCTCC NTAGGGYT--	
MA0163.1_PLAG1	4.8388e-04	GGAGCCCT----- GGGGCCNAAGGGGG	
MA0342.1_MSN4	2.0513e-03	AGGGCTCC AGGGG---	
MA0366.1_RGM1	2.0965e-03	GGAGCCCT ---CCCCT	
MA0341.1_MSN2	3.0762e-03	GGAGCCCT ---CCCCT	

M36



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	3.8177e-09	CTGTGGCT CTGTGG--	
MA0334.1_MET32	1.6201e-07	CTGTGGCT -TGTTGCN	

Stamp Results

10/01/13

MA0002.2_RUNX1 2.3130e-07

--CTGTGGCT--
NNYTGTGGTTN



MA0335.1_MET4 1.5488e-06

AGCCACAG--
--CCACAGNT

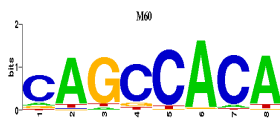


MA0285.1_CRZ1 5.5018e-05

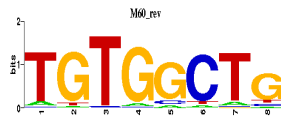
CTGTGGCT---
--GNGGCTNNN



M60



forward



reverse compliment

Name

E value

Alignment

Motif

MA0334.1_MET32 1.7793e-07

TGTGGCTG
TGTGGCN-



MA0332.1_MET28 1.8962e-05

-TGTGGCTG
CTGTGG---



MA0002.2_RUNX1 6.6973e-05

CAGCCACA---
NAACCACARNN



MA0285.1_CRZ1 7.7412e-05

TGTGGCTG--
-GNGGCTNNN

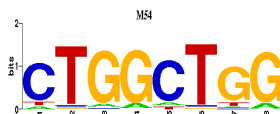


MA0373.1_RPN4 1.8739e-04

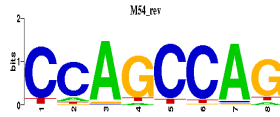
CAGCCACA
-CGCCACC



M54



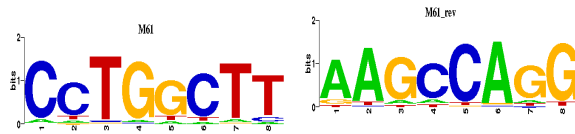
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0145.1_Tcfcp211	1.6754e-04	CTGGCTGG----- CYGGNTNNRNCYGG	
MA0267.1_ACE2	1.9343e-04	CTGGCTGG-- --NGCTGGN	
MA0402.1_SWI5	6.6895e-04	--CCAGCCAG NACCAGCA--	
MA0092.1_Hand1_T	2.1282e-03	CCAGCCAG--- -NWNCCAGAYN	
MA0144.1_Stat3	2.2426e-03	CTGGCTGG-- CTTCCNGGAA	

M61



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0145.1_Tcfcp211	6.9804e-05	-----AAGCCAGG CCRGNYNNANCCRG-	
MA0323.1_IXR1	1.6087e-04	-----CCTGGCTT CMCCGCTTCCGGYTT	

Stamp Results

10/01/13

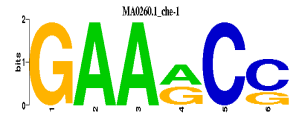
MA0263.1_ttx-3_c 3.9716e-04

-----AAGCCAGG
YTAACKAARCCAAT



MA0260.1_che-1 5.1674e-04

-AAGCCAGG
GAARCC---

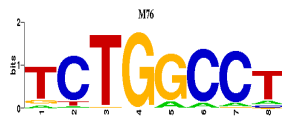


MA0368.1_RIM101 8.5331e-04

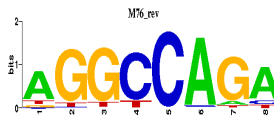
CCTGGCTT
CTTGGCR-



M76



forward



reverse compliment

Name

E value

Alignment

Motif

MA0092.1_Hand1_T 3.9127e-05

AGGCCAGA--
NWNCCAGAYN



MA0381.1_SKN7 1.4805e-04

TCTGGCCT
-NYGGCC-



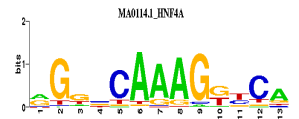
MA0160.1_NR4A2 1.3221e-03

TCTGGCCT-
-GTGACCTT



MA0114.1_HNF4A 1.7536e-03

-----TCTGGCCT
TGNMCTTTGNNCY

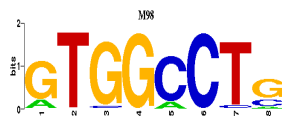


MA0334.1_MET32 1.7631e-03

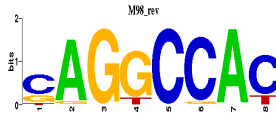
AGGCCAGA
-NGCCACA



M98



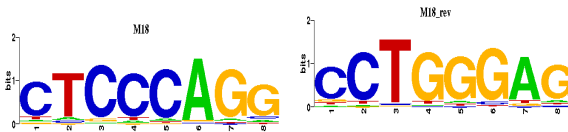
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0160.1_NR4A2	3.0676e-05	CAGGCCAC AAGGTCAC	
MA0381.1_SKN7	1.3621e-04	GTGGCCTG NYGGCC--	
MA0097.1_bZIP911	1.4170e-04	CAGGCCAC----- --GCCACGTCAYC	
MA0334.1_MET32	2.1491e-04	-GTGGCCTG TGTGGCN--	
MA0373.1_RPN4	2.2240e-04	CAGGCCAC- --CGCCACC	

M18





forward

reverse compliment

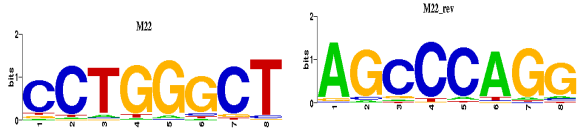
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	1.2731e-05	CTCCCAGG- -TCCCCGGN	
MA0144.1_Stat3	3.9212e-04	CTCCCAGG--- -TTCCNGGAAG	

Stamp Results

10/01/13

MA0154.1_EBF1	7.9272e-04	--CCTGGGAG TCCCTNGGGN	
MA0162.1_Egr1	1.4403e-03	-CTCCCAGG-- MCGCCCACGCN	
MA0358.1_PUT3	2.9923e-03	CTCCCAGG NNCCCCGGG	

M22

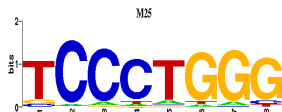


forward

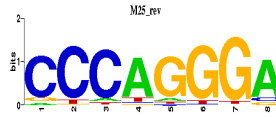
reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0162.1_Egr1	4.0723e-04	-AGCCCAGG-- MCGCCCACGCN	
MA0154.1_EBF1	6.6108e-04	--CCTGGGCT TCCCTNGGGN	
MA0368.1_RIM101	8.4233e-04	CCTGGGCT -CTTGGCR	
MA0163.1_PLAG1	1.4596e-03	--AGCCCAGG---- GGGGCCNAAGGGGG	
MA0146.1_Zfx	1.6980e-03	----CCTGGGCT-- NAGGCCNNGGCNNN	

M25



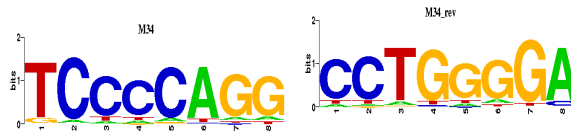
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0154.1_EBF1	9.7142e-10	TCCCTGGG-- TCCCTNGGGN	
MA0344.1_NHP10	1.7193e-05	CCCAGGGA NCCGGGGA	
MA0116.1_Zfp423	1.8996e-05	----CCCAGGGA--- GSMCCYARGGKNC	
MA0364.1_REI1	1.7330e-04	CCCAGGGA -NCAGGGG	
MA0144.1_Stat3	1.9998e-04	-TCCCTGGG- CTTCNGGAA	

M34






forward

reverse compliment

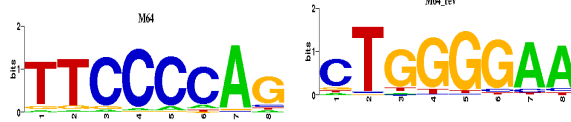
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0154.1_EBF1	1.6131e-06	TCCCCAGG-- NCCNAGGGA	
MA0344.1_NHP10	1.9866e-05	TCCCCAGG TCCCCGN	

Stamp Results

10/01/13






MA0056.1_MZF1_1-4	2.1023e-05	TCCCCAGG TCCCCN--	
MA0332.1_MET28	1.4361e-04	TCCCCAGG -CCACAG-	
MA0268.1_ADR1	2.1715e-04	CCTGGGGA -KTGGGNN	

M64

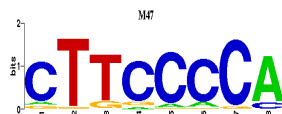


forward

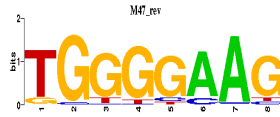
reverse compliment

Name	E value	Alignment	Motif
MA0344.1_NHP10	1.3537e-05	TTCCCCAG-- -TCCCCGNN	
MA0056.1_MZF1_1-4	2.2044e-05	CTGGGGAA -NGGGGA-	
MA0332.1_MET28	1.0190e-04	TTCCCCAG --CCACAG	
MA0105.1_NFKB1	1.4737e-04	-----TTCCCCAG GGGGATTCCCC--	
MA0268.1_ADR1	2.2351e-04	CTGGGGAA KTGGGNN-	

M47



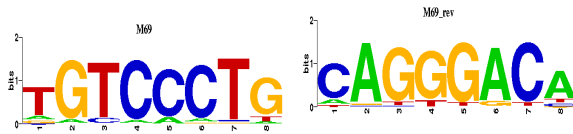
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0056.1_MZF1_1-4	2.5698e-05	TGGGGAAG NGGGGA--	
MA0080.1_SPI1	4.5078e-05	CTTCCCA STCCN--	
MA0105.1_NFKB1	1.7872e-04	TGGGGAAG---- -GGGGAATCCCC	
MA0305.1_GCR2	1.9619e-04	TGGGGAAG-- --NGGAAGC	
MA0080.2_SPI1	2.3348e-04	-CTTCCCA ACTTCCT--	

M69



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0138.1_REST	1.7953e-05	----TGTCCCTG----- GNGCTGTCCNWGGTGCTGA	
MA0138.2_REST	3.3437e-05	----TGTCCCTG----- GNNGCTGTCCNNGGTGCTGAN	

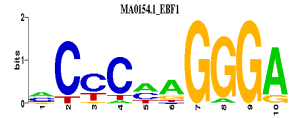
MA0364.1_REI1 1.8123e-04

-CAGGGACA
NCAGGGG--



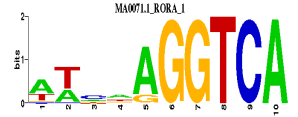
MA0154.1_EBF1 3.3405e-04

----CAGGGACA
NCCCNAGGGG--

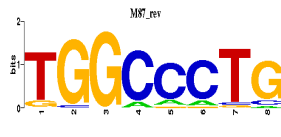
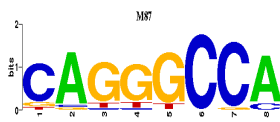


MA0071.1_RORA_1 1.0338e-03

TGTCCTG--
TGACCTNNWW



M87



forward

reverse compliment

Name

E value

Alignment

Motif

MA0381.1_SKN7 1.5664e-04

-TGGCCCTG
NYGGCC---



MA0364.1_REI1 1.9903e-04

TGGCCCTG-
--CCCCTGN



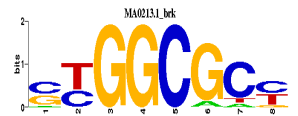
MA0071.1_RORA_1 1.4179e-03

TGGCCCTG--
TGACCTNNWW



MA0213.1_brk 2.0062e-03

-TGGCCCTG
SYGGCGCY-

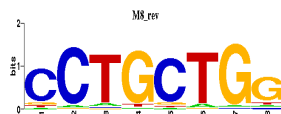
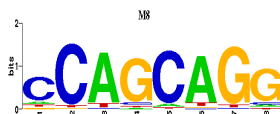


MA0366.1_RGM1 2.0178e-03

TGGCCCTG
--CCCCT-

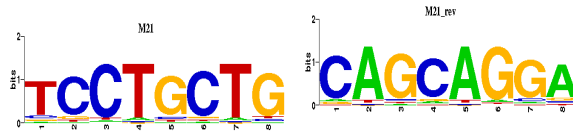


M8



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0139.1_CTCF	1.0457e-06	-----CCTGCTGG--- NNSYGCCMCCTRSTGGNNR	
MA0402.1_SWI5	1.7140e-06	--CCAGCAGG NACCAGCA--	
MA0456.1_opa	1.2391e-04	-----CCTGCTGG GMCCCCCGCNG-	
MA0267.1_ACE2	1.8155e-04	CCTGCTGG- --NGCTGGN	
MA0055.1_Myf	6.0143e-04	CCAGCAGG----- -CAGCAGYTGCIYK	

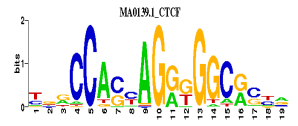
M21



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0287.1_CUP2	2.1797e-05	---TCCTGCTG CWTTTTYTGCTG	
MA0456.1_opa	1.3744e-04	CAGCAGGA----- CNGCGGGGGGKC	
MA0055.1_Myf	4.6082e-04	-TCCTGCTG--- CAGCAGYTGCIYK	

MA0139.1_CTCF 6.2895e-04

-----TCCTGCTG-----
NNSYGCCMCTRSTGGNNR

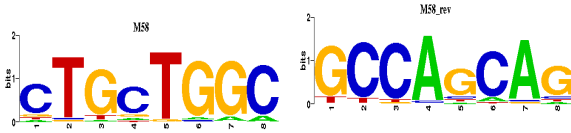


MA0402.1_SWI5 7.8962e-04

---CAGCAGGA
NACCAGCA---



M58



forward

reverse compliment

Name E value Alignment Motif

MA0402.1_SWI5 1.5929e-06

CTGCTGGC-
-TGCTGGTN



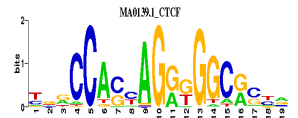
MA0267.1_ACE2 1.8201e-04

CTGCTGGC
-NGCTGGN



MA0139.1_CTCF 2.1594e-04

-----CTGCTGGC--
NNSYGCCMCTRSTGGNNR



MA0287.1_CUP2 7.6761e-04

-----CTGCTGGC
CWTTYTGCTG--

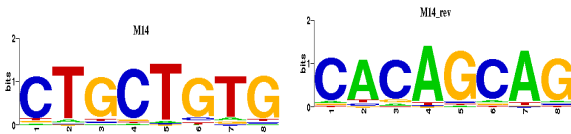


MA0055.1_Myf 9.5224e-04

GCCAGCAG-----
--CAGCAGYTGCYK








M14

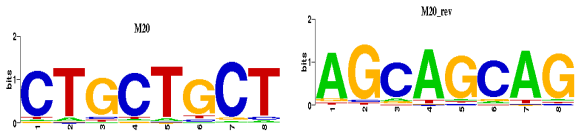


forward

reverse compliment

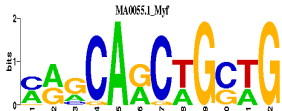



<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	1.8020e-05	-CACAGCAG CCACAG---	
MA0150.1_NFE2L2	2.0226e-05	CTGCTGTG---- -TGCTNWTGTCAY	
MA0454.1_odd	9.1209e-05	CACAGCAG--- NACAGTAGCAN	
MA0055.1_Myf	6.8536e-04	-----CTGCTGTG MRGCARCTGCTG--	
MA0335.1_MET4	7.4602e-04	-CACAGCAG CCACAGNT-	

M20



forward

reverse compliment

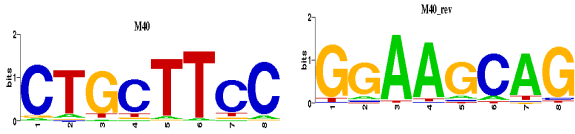
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	4.5096e-07	-AGCAGCAG--- MRGCARCTGCTG	
MA0454.1_odd	1.2025e-05	CTGCTGCT--- NTGCTACTGTN	
MA0402.1_SWI5	2.7887e-05	CTGCTGCT- -TGCTGGTN	
MA0048.1_NHLH1	2.0976e-04	---CTGCTGCT- NCGCAGCTGCGN	

MA0287.1_CUP2 1.0102e-03

AGCAGCAG-----
--CAGCARAAAWG



M40

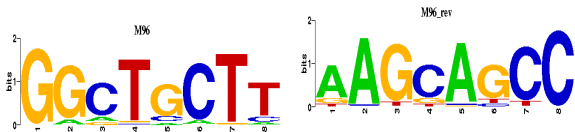


forward

reverse compliment

Name	E value	Alignment	Motif
MA0305.1_GCR2	1.8435e-07	CTGCTTCC-- --GCTTCCN	
MA0304.1_GCR1	1.5349e-06	--GGAAGCAG TGGAAGCC--	
MA0323.1_IXR1	1.1298e-05	--CTGCTTCC----- CMCCGCTTCCGGYTT	
MA0080.1_SPI1	4.7729e-05	CTGCTTCC-- ---STTCCN	
MA0080.2_SPI1	1.8211e-04	--GGAAGCAG AGGAAGT--	

M96



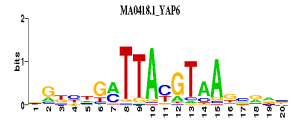
forward

reverse compliment

Name	E value	Alignment	Motif
------	---------	-----------	-------

MA0418.1_YAP6 1.4470e-04

-----AAGCAGCC--
NNNNNTTACRTAAKCNNNYN



MA0417.1_YAP5 3.3520e-04

GGCTGCTT
--ATGCTT



MA0055.1_Myf 4.5629e-04

----GGCTGCTT
CAGCAGYTGCYK



MA0412.1_UME6 4.5636e-04

---AAGCAGCC--
AWWTAGCCGCCSA

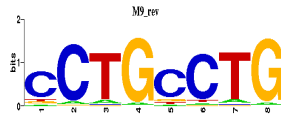
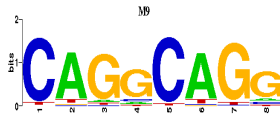


MA0290.1_DAL81 1.6818e-03

-----GGCTGCTT--
AATCCCGCCCGCGGCTTTT



M9



forward

reverse compliment

Name

E value

Alignment

Motif

MA0340.1_MOT3

2.5051e-05

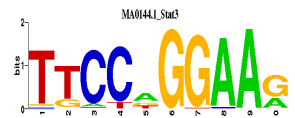
CCTGCCTG
--TRCCTN



MA0144.1_Stat3

3.1376e-04

CCTGCCTG---
-CTTCCNGGAA



MA0156.1_FEV

5.2275e-04

CCTGCCTG
AYTTCTG



MA0149.1_EWSR1-FLI1 1.3133e-03

-----CAGGCAGG-----
GGAAGGAAGGAAGGAAGG



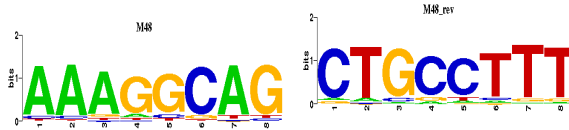
MA0080.2_SPI1

1.4390e-03

CCTGCCTG
ACTTCCT-



M48

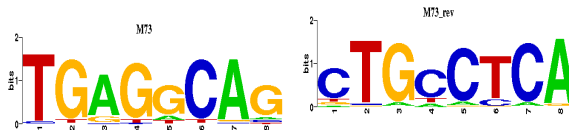


forward

reverse compliment

Name	E value	Alignment	Motif
MA0340.1_MOT3	2.6728e-05	CTGCCTTT -TRCCTN-	
MA0370.1_RME1	9.4098e-05	---AAAGGCAG TNNAAAGGNA-	
MA0459.1_tll	1.1019e-04	-CTGCCTTT- KTTGACTTTT	
MA0039.1_Klf4	3.2040e-04	-CTGCCTTT- CCTTYYYTNN	
MA0149.1_EWSR1-FLI1	1.6030e-03	-----CTGCCTTT----- CCTTCCTTCCTTCCTTC	

M73



forward

reverse compliment

Name	E value	Alignment	Motif
MA0099.2_AP1	1.9743e-06	TGAGGCAG TGAGTCA-	

Stamp Results

10/01/13

MA0099.1_Fos 1.0240e-04

-TGAGGCAG
GTGANTCA-



MA0340.1_MOT3 2.4575e-04

CTGCCTCA
-TRCCTN-



MA0150.1_NFE2L2 5.7621e-04

---TGAGGCAG
TGCTNWGTCAY



MA0080.2_SPI1 1.3647e-03

-CTGCCTCA
ACTTCT--



M92



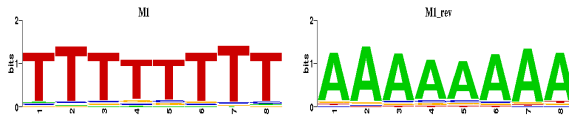
forward



reverse compliment

Name	E value	Alignment	Motif
MA0119.1_TLX1_NFIC	3.4095e-05	-----AGCTGCCA TTGGCNNNSTGCCA	
MA0048.1_NHLH1	5.7788e-05	TGGCAGCT---- NCGCAGCTGCGN	
MA0304.1_GCR1	1.1385e-04	AGCTGCCA GGCTTCCA	
MA0055.1_Myf	1.2819e-04	TGGCAGCT---- MRGCARCTGCTG	
MA0207.1_achi	2.8672e-04	TGGCAGCT TGACAG--	

M1

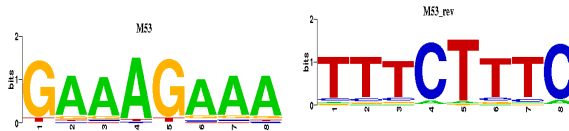


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	6.4776e-08	-TTTTTTTT TTTCTTTT	
MA0049.1_hb	3.0714e-06	-TTTTTTTT- NTTTTNYKS	
MA0041.1_Foxd3	7.9532e-05	AAAAAAAA----- -AAANAAACAWTN	
MA0120.1_id1	4.4582e-04	----AAAAAAAA CGNNANRRMNA	
MA0010.1_br_Z1	1.1842e-03	-TTTTTTTT----- NWYTTGTYTATNAN	


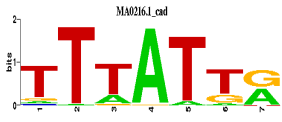
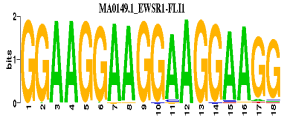
M53



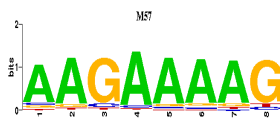
forward

reverse compliment

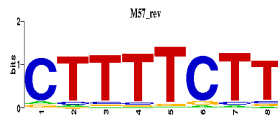
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	4.7713e-09	TTTCTTTC- TTTCTTTT	
MA0039.1_Klf4	2.7081e-05	--TTTCTTTC CCTTYYYTNN	

MA0370.1_RME1	5.4192e-05	TTTCTTTC-- TNCCTTTNNA	
MA0216.1_cad	1.4514e-03	GAAAGAAA -YAATAAA	
MA0149.1_EWSR1-FLI1	1.4748e-03	-GAAAGAAA----- GGAAGGAAGGAAGGAAGG	


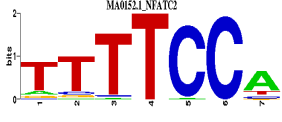
M57



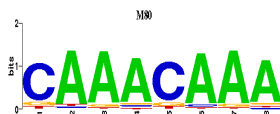
forward



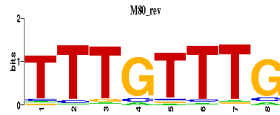
reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	7.5760e-06	CTTTTCTT--- --TTTCTTTTT	
MA0039.1_Klf4	1.6432e-05	CTTTTCTT-- CCTTYYYYTTN	
MA0287.1_CUP2	1.0394e-04	---AAGAAAAG CAGCARAAAWG	
MA0152.1_NFATC2	1.7786e-04	AAGAAAAG TGGAAAA-	
MA0035.2_Gata1	4.6270e-04	--CTTTTCTT- NNNTTATCTNN	

M80



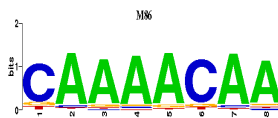
forward



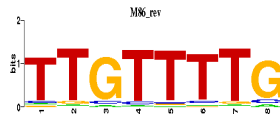
reverse compliment

Name	E value	Alignment	Motif
MA0296.1_FKH1	1.0303e-06	-----CAAACAAA----- NNWNNNTGTAAACAAAANNNNN	
MA0013.1_br_Z4	1.2234e-06	---CAAACAAA TAGTAAANWAW	
MA0041.1_Foxd3	1.5025e-06	CAAACAAA----- -AAANAAACAWTN	
MA0042.1_FOXI1	1.8922e-06	-----TTTGTTTG NNNTRTTTTRTWT-	
MA0010.1_br_Z1	1.9317e-05	----CAAACAAA-- NTNATARACAARWN	

M86



forward



reverse compliment

Name	E value	Alignment	Motif
MA00445.1_D	1.8432e-06	CAAACAA----- -ANAACAATRGN	
MA0143.1_Sox2	4.8619e-06	----CAAACAA--- TNTGCATNACAAWGG	

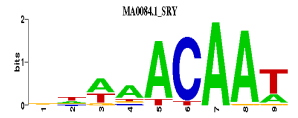
MA0142.1_Pou5f1 9.5617e-06

--TTGTTTTG-----
CWTGTGNATGCAAAT



MA0084.1_SRY 2.2251e-05

-TTGTTTTG
ATTGTTWNN

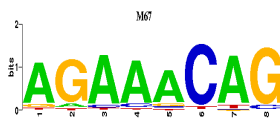


MA0235.1_onecut 3.4971e-05

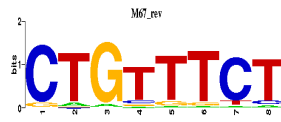
CAAAACAA
-NAATCAA



M67



forward



reverse compliment

Name

E value

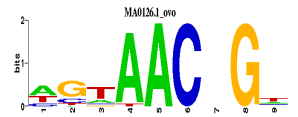
Alignment

Motif

MA0126.1_ovo

9.3240e-07

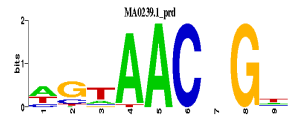
-CTGTTTCT
NCNGTTACW



MA0239.1_prd

9.3240e-07

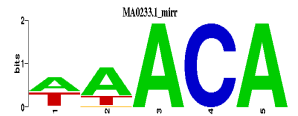
-CTGTTTCT
NCNGTTACW



MA0233.1_mirr

5.6172e-05

CTGTTTCT
-TGTTW--



MA0297.1_FKH2

1.7616e-04

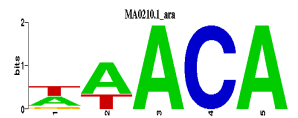
CTGTTTCT
-TGTTTAC



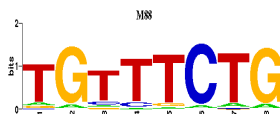
MA0210.1_ara

1.8754e-04

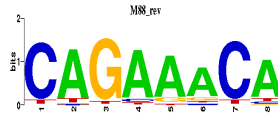
CTGTTTCT
-TGTTW--



M88



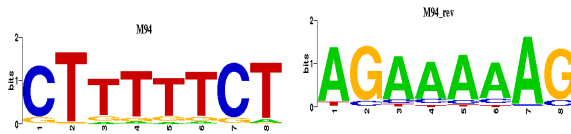
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0233.1_mirr	5.3368e-05	TGTTTCTG TGTTW---	
MA0297.1_FKH2	1.7923e-04	TGTTTCTG TGTTTAC-	
MA0210.1_ara	1.9636e-04	TGTTTCTG TGTTW---	
MA0393.1_STE12	1.9857e-04	TGTTTCTG YGTTTCA-	
MA0260.1_che-1	1.9910e-04	TGTTTCTG GGYTTC--	

M94



forward

reverse compliment

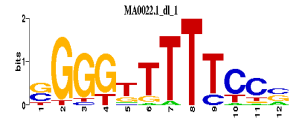
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	8.3724e-06	---CTTTTTCT TTTCTTTTT--	
MA0294.1_EDS1	1.1379e-05	CTTTTTCT- NTTNTCCN	

Stamp Results

10/01/13

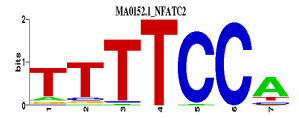
MA0022.1_dI_1 1.3578e-04

-AGAAAAAG---
 NGGAAAAACCCS



MA0152.1_NFATC2 1.9835e-04

-AGAAAAAG
 TGGAAAA--

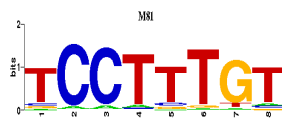


MA0371.1_ROX1 3.7070e-04

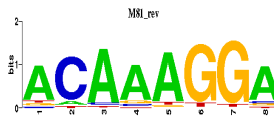
-AGAAAAAG---
 GAGAACAATNGR



M81



forward



reverse compliment

Name

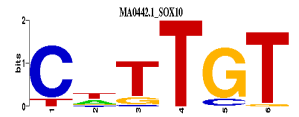
E value

Alignment

Motif

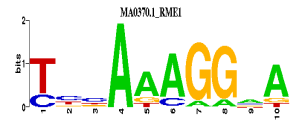
MA0442.1_SOX10 6.9167e-08

ACAAAGGA
 ACAAWG--



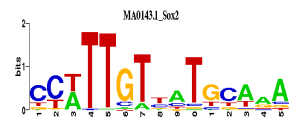
MA0370.1_RME1 8.1988e-08

-TCCTTTGT-
 TNCCTTTNNA



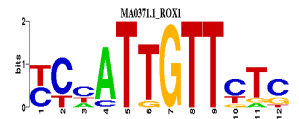
MA0143.1_Sox2 7.2658e-06

TCCTTTGT-----
 -CCWTTGTNATGCANA



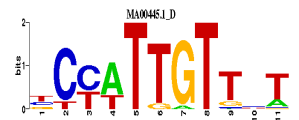
MA0371.1_ROX1 4.9268e-05

----ACAAAGGA
 GAGAACAATNGR

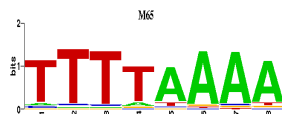


MA00445.1_D 5.7404e-05

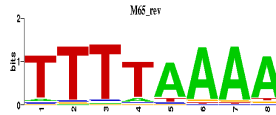
---ACAAAGGA
 ANAACAATRGN



M65



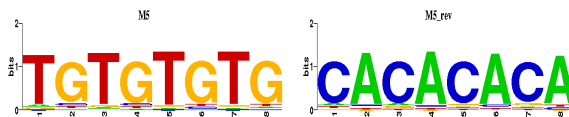
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0151.1_ARID3A	6.9219e-05	TTTTAAAA -TTTAAT-	
MA0218.1_ct	1.2844e-03	TTTTAAAA GTTYAA--	
MA0108.1_TBP	1.5407e-03	-----TTTTAAAA NNNNNNYWTTTATAN	
MA0108.2_TBP	1.5455e-03	-----TTTTAAAA NNNNNNYWTTTATAN	
MA0173.1_CG11617	1.5640e-03	TTTTAAAA- --TTWACAT	

M5



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0009.1_T	1.0496e-03	--CACACACA- TTCACACCTAG	
MA0359.1_RAP1	1.4074e-03	TGTGTGTG-- TGTATGGGTG	

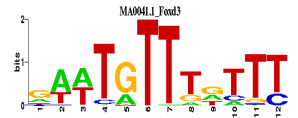
MA0327.1_MATA1 1.8373e-03

--TGTGTGTG
ATTGTGY---



MA0041.1_Foxd3 2.4799e-03

---TGTGTGTG-
NAWTGTTTNTTT

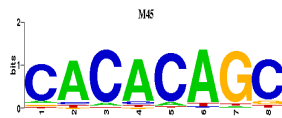


MA0288.1_CUP9 2.5217e-03

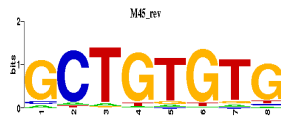
TGTGTGTG-
WWTGTGTCA



M45



forward



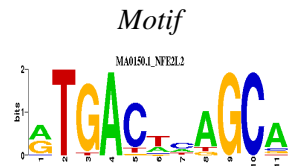
reverse compliment

Name *E value*

MA0150.1_NFE2L2 1.6705e-05

Alignment

--CACACAGC-
RTGACWNAGCA



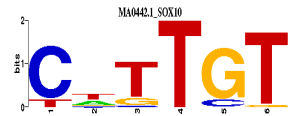
MA0332.1_MET28 1.8446e-05

CACACAGC
-CCACAG-



MA0442.1_SOX10 1.7167e-04

CACACAGC
-ACAAGW-



MA0335.1_MET4 6.1558e-04

CACACAGC-
-CCACAGNT

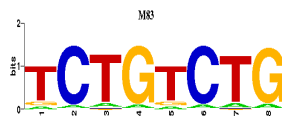


MA0327.1_MATA1 2.1251e-03

GCTGTGTG
ATTGTGY-



M83



forward*reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	2.2958e-05	CAGACAGA -TGACAG-	
MA0227.1_hth	4.8367e-05	TCTGTCTG -CTGTCA-	
MA0092.1_Hand1_T	4.7589e-03	CAGACAGA-- NWNCCAGAYN	
MA0332.1_MET28	6.7199e-03	CAGACAGA -CCACAG-	
MA0252.1_vis	6.7283e-03	TCTGTCTG -NTGTCA-	

Sequence logo generation powered by [weblogo](#)
 STAMP is written by [Shaun Mahony](#)