



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

Input file: 96 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 :          -TTTTTTTT-----
M1 :          -----TTTAAAA-
M2 :          ----TTTTTTAA--
M3 :          --TTCCTTT----
M4 :          -TTTCCTT-----
M5 :          --CTCCTCC----
M6 :          -----CCTCCCC-
M7 :          ---TTCCTTCC---
M8 :          -TCCTCCTC-----
M9 :          ----CCCCGCCC--
M10 :         CCTTCCT-----
M11 :         -----CCCGCCC-
M12 :         --CCCCCTCC----
M13 :         --GCTGCTGC----
M14 :         --CTCCCTCC----
M15 :         -CCCTCCTC-----
M16 :         -CTCTCCTC-----
M17 :         ---TCCCTCCC---
M18 :         ----CCCTCCCT--
M19 :         -CCTTCCTG-----
M20 :         -----CTCTCTCC
M21 :         ----CCCTTCCC--
M22 :         CTCTGCCT-----

```

Stamp Results

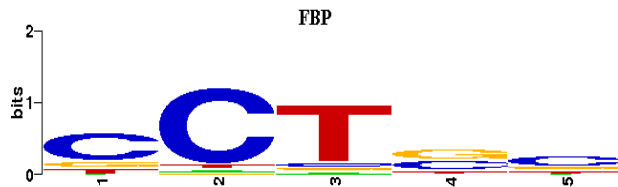
10/01/13

M23: -CCACCCCC-----
M24: --CTTCTCC-----
M25: ----TCCTCCCC--
M26: --CAGCCTCC-----
M27: -----CTGCAGAG
M28: ----GGCTGCAG--
M29: -TCTTCCTC-----
M30: --CCGCCGCC-----
M31: -----CCTCTCCC-
M32: CAGCTCCT-----
M33: --GTCCTCC-----
M34: --TCCCCTCC-----
M35: ---GCCCGGCC---
M36: --GGAGCTGG-----
M37: ---CCCCTTCC---
M38: CAGAGCCT-----
M39: -----CCTGCCTC-
M40: -----CCTTCTCC-
M41: ----CTCTGCC--
M42: -----CCTCCAGC-
M43: -GCCGCCGC-----
M44: -----CCTCCCCA-
M45: --CTCCCTCT----
M46: -----CCTCCCAG-
M47: -----CCTTCCCC-
M48: ----CTCTGCTC--
M49: -----CCTGCCCT-
M50: -----CCTGCAGC-
M51: -CAGCCCTG-----
M52: ----GGCTGGGG--
M53: --CCTCCTGC-----
M54: ----GCCTCTGC--
M55: -----CTGCTGGG
M56: -----CTGGGGAG
M57: -GGGAGCTG-----
M58: ---GCCATCTT---
M59: --CAGCCTGG-----
M60: ----GCCTGGAG--
M61: -----CTCCC GCC
M62: -CTGCCCTC-----
M63: -----CCTCACCT-
M64: ----GCCTGGGA--
M65: --GGCCTGG-----

```

M66: -GCTGCCTG-----
M67: -ACTTCCGG-----
M68: -----TCTTTCCC-
M69: -----CTGGGGCT
M70: -CCTGCCTG-----
M71: -----GCTGGGGG-
M72: -----CTGGGCTC
M73: ----GCCTCTCC--
M74: ---GGGCTGAG---
M75: CCGCCCCT-----
M76: ----GCCTGCGC--
M77: --TTCCTTC----
M78: -----CCTGGCTC-
M79: ----CTCTGGGC--
M80: ----TCCCCACC--
M81: ---TTCCTTCA---
M82: -----GCTGGAGA-
M83: -CCACCCTC-----
M84: -GGCTTCTG-----
M85: -----GCTGCGGG-
M86: -GCTGCCTC-----
M87: -----CCTGTCCC-
M88: -----CCTGGGGA-
M89: --GGCCCCGC----
M90: ----GGCTGCTC--
M91: ----GCCTCTGG--
M92: -GCTGGCTG-----
M93: ---GCTCTCCC---
M94: -----GCTCCGGG-
M95: CGCCCCCT-----
    
```

Familial Profile:
(click for matrix)

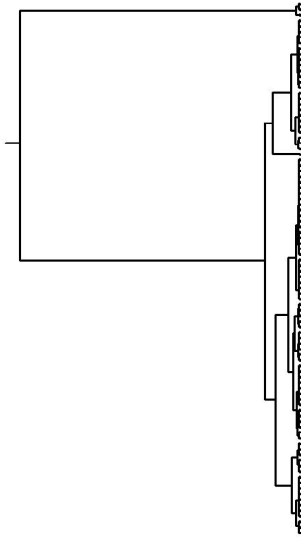


Motif Tree

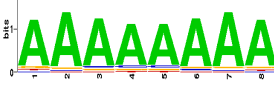

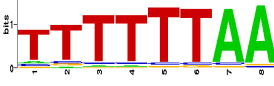
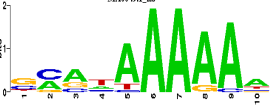
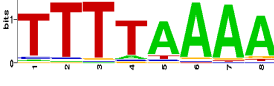

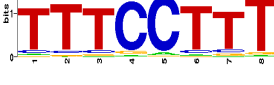

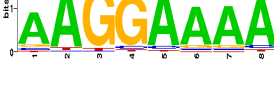
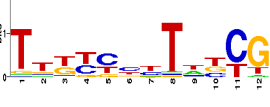
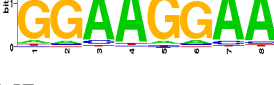
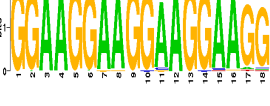
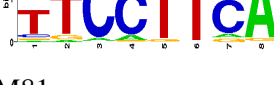
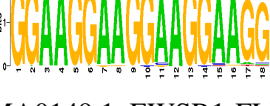
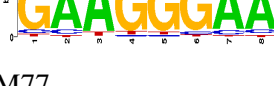
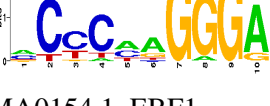
Input Motif

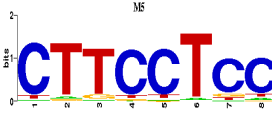

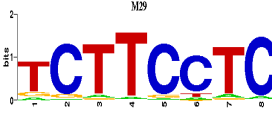

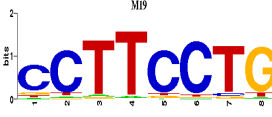

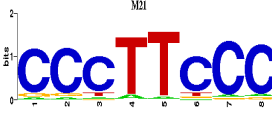
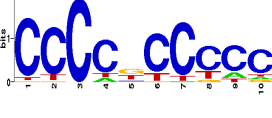
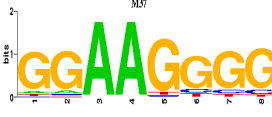

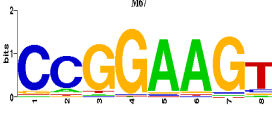

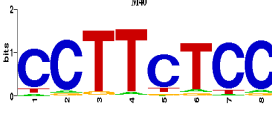
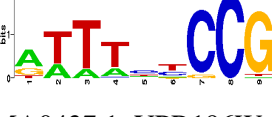
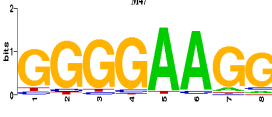
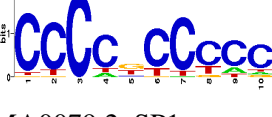
Tree (drawn by **Phylip**)

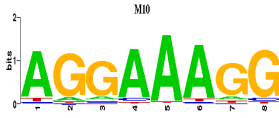
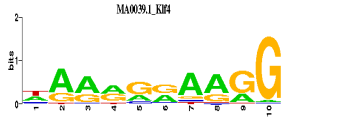

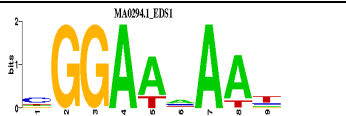

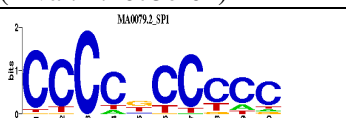


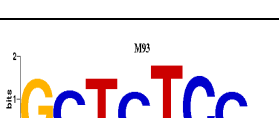


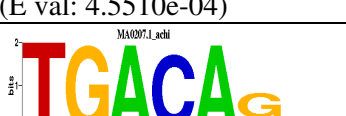

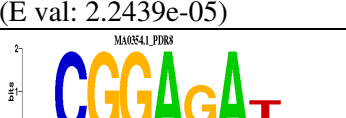

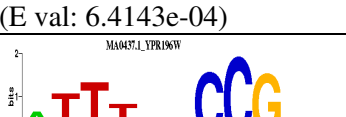
[Click here for Newick-format tree \(viewable with MEGA\)](#)

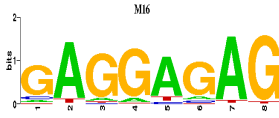




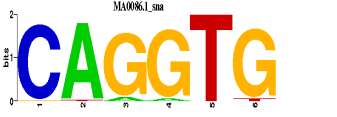


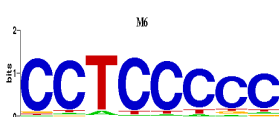
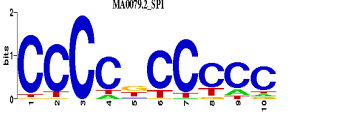
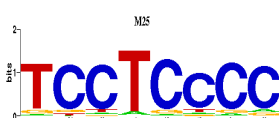
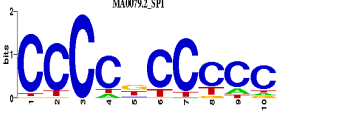
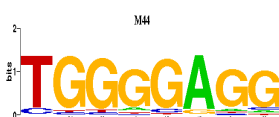
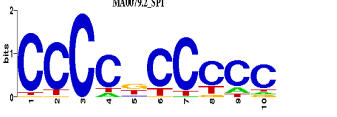
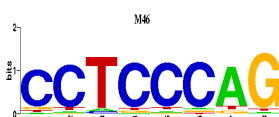



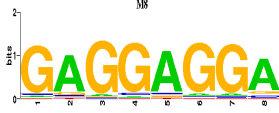

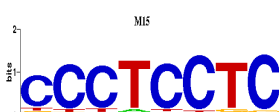
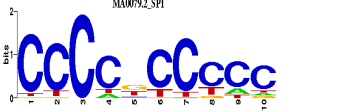
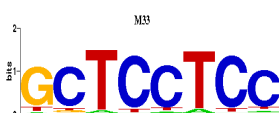

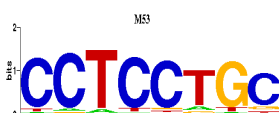
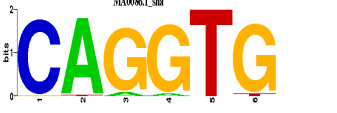
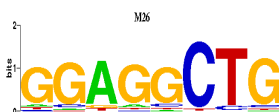

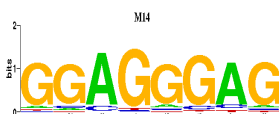

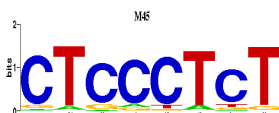
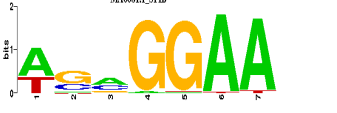
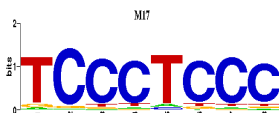
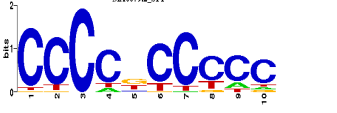
Best match in **JASPAR**

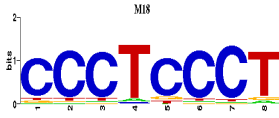
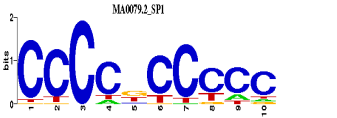
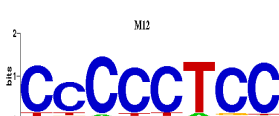
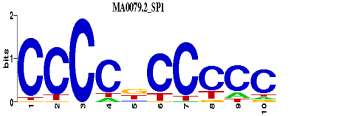
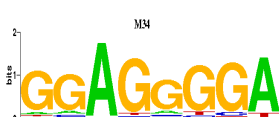
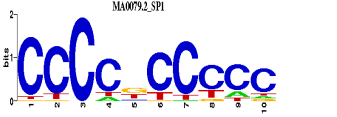
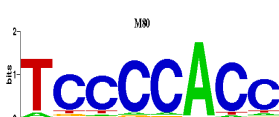


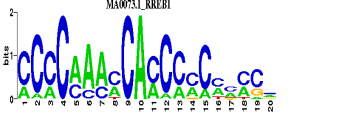
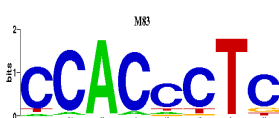

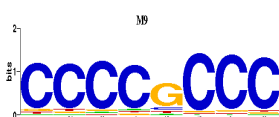
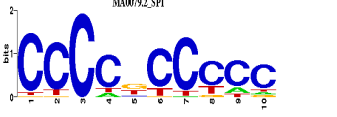
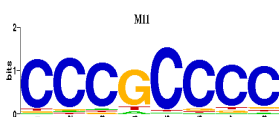
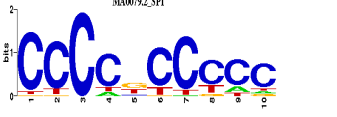
<p>M0</p> 	<p>MA0277.1_AZF1 (E val: 6.4528e-08)</p> 
<p>M2</p> 	<p>MA0049.1_hb (E val: 2.9488e-05)</p> 
<p>M1</p> 	<p>MA0151.1_ARID3A (E val: 6.9845e-05)</p> 
<p>M3</p> 	<p>MA0277.1_AZF1 (E val: 3.9715e-09)</p> 
<p>M4</p> 	<p>MA0120.1_id1 (E val: 1.2781e-07)</p> 
<p>M7</p> 	<p>MA0149.1_EWSR1-FLI1 (E val: 1.0253e-10)</p> 
<p>M81</p> 	<p>MA0149.1_EWSR1-FLI1 (E val: 4.7946e-07)</p> 
<p>M77</p> 	<p>MA0154.1_EBF1 (E val: 1.0513e-04)</p> 

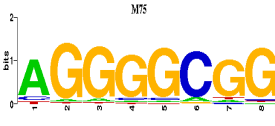
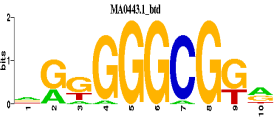
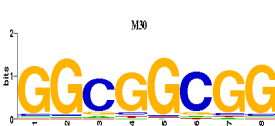
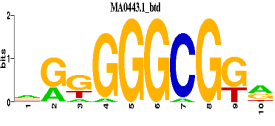
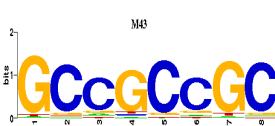
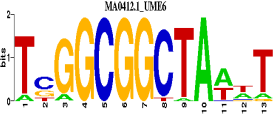
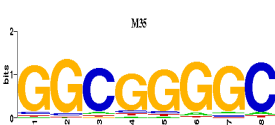

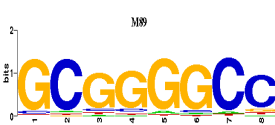

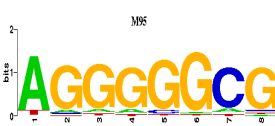

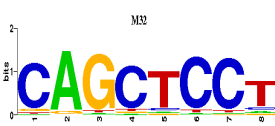

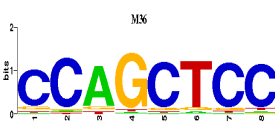

<p>M5</p>  <p>M5</p>	<p>MA0080.2_SPI1</p>  <p>MA0080.2_SPI1 (E val: 1.9061e-07)</p>
<p>M29</p>  <p>M29</p>	<p>MA0080.2_SPI1</p>  <p>MA0080.2_SPI1 (E val: 2.2196e-07)</p>
<p>M19</p>  <p>M19</p>	<p>MA0156.1_FEV</p>  <p>MA0156.1_FEV (E val: 2.6596e-08)</p>
<p>M21</p>  <p>M21</p>	<p>MA0079.2_SPI1</p>  <p>MA0079.2_SPI1 (E val: 5.5434e-06)</p>
<p>M37</p>  <p>M37</p>	<p>MA0366.1_RGM1</p>  <p>MA0366.1_RGM1 (E val: 2.0957e-06)</p>
<p>M67</p>  <p>M67</p>	<p>MA0076.1_ELK4</p>  <p>MA0076.1_ELK4 (E val: 5.1403e-13)</p>
<p>M40</p>  <p>M40</p>	<p>MA0437.1_YPR196W</p>  <p>MA0437.1_YPR196W (E val: 5.5248e-05)</p>
<p>M47</p>  <p>M47</p>	<p>MA0079.2_SPI1</p>  <p>MA0079.2_SPI1 (E val: 2.8634e-06)</p>

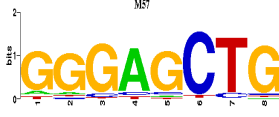
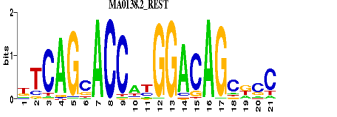
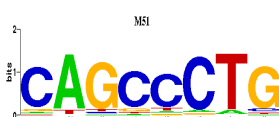



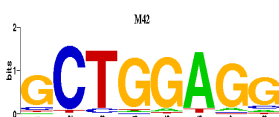

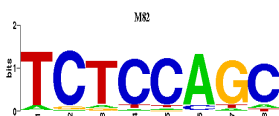

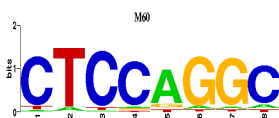

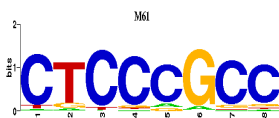

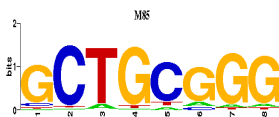
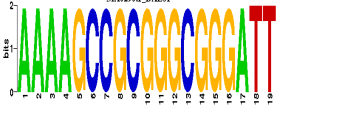
<p>M10</p> 	<p>MA0039.1_Klf4 (E val: 2.3548e-07)</p> 
<p>M68</p> 	<p>MA0294.1_EDS1 (E val: 1.1673e-04)</p> 
<p>M31</p> 	<p>MA0079.2_SP1 (E val: 6.8375e-06)</p> 
<p>M73</p> 	<p>MA0159.1_RXR_RAR_DR5 (E val: 6.5913e-05)</p> 
<p>M93</p> 	<p>MA0062.1_GABPA (E val: 4.5510e-04)</p> 
<p>M87</p> 	<p>MA0207.1_achi (E val: 2.2439e-05)</p> 
<p>M20</p> 	<p>MA0354.1_PDR8 (E val: 6.4143e-04)</p> 
<p>M24</p> 	<p>MA0437.1_YPR196W (E val: 1.8810e-07)</p> 

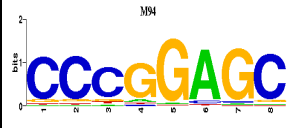

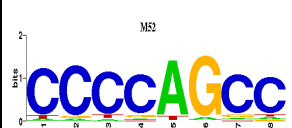

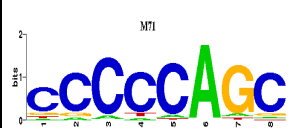
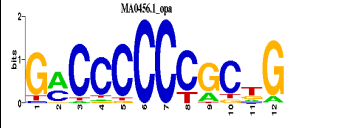
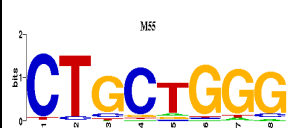
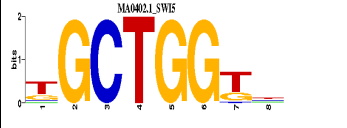
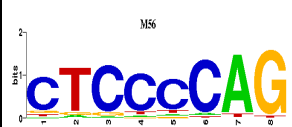

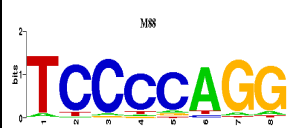
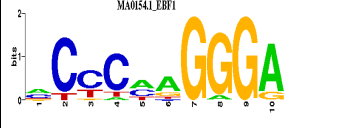
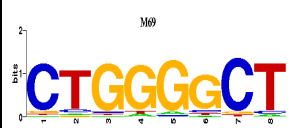

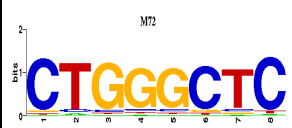

<p>M16</p>  <p>M16</p>	<p>MA0354.1_PDR8 (E val: 6.4530e-04)</p> 
<p>M48</p>  <p>M48</p>	<p>MA0326.1_MAC1 (E val: 1.8439e-05)</p> 
<p>M63</p>  <p>M63</p>	<p>MA0086.1_sna (E val: 1.8455e-05)</p> 
<p>M58</p>  <p>M58</p>	<p>MA0091.1_TAL1_TCF3 (E val: 6.1697e-04)</p> 
<p>M6</p>  <p>M6</p>	<p>MA0079.2_SP1 (E val: 4.9419e-10)</p> 
<p>M25</p>  <p>M25</p>	<p>MA0079.2_SP1 (E val: 1.9033e-06)</p> 
<p>M44</p>  <p>M44</p>	<p>MA0079.2_SP1 (E val: 1.7074e-06)</p> 
<p>M46</p>  <p>M46</p>	<p>MA0320.1_IME1 (E val: 2.6266e-04)</p> 

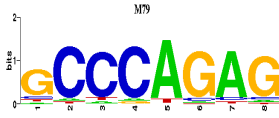

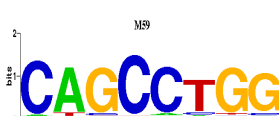
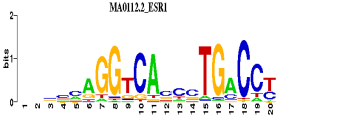
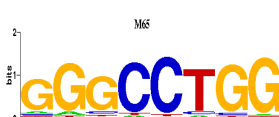

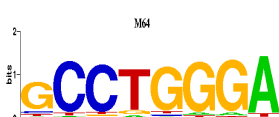


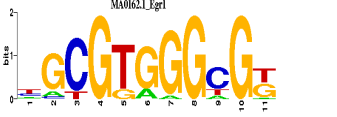
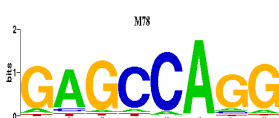

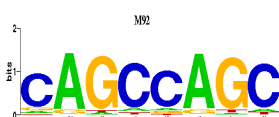

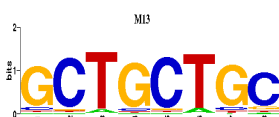

<p>M8</p> 	<p>MA0057.1_MZF1_5-13 (E val: 3.1838e-05)</p> 
<p>M15</p> 	<p>MA0079.2_SP1 (E val: 2.8041e-06)</p> 
<p>M33</p> 	<p>MA0283.1_CHA4 (E val: 4.4122e-05)</p> 
<p>M53</p> 	<p>MA0086.1_sna (E val: 1.2085e-04)</p> 
<p>M26</p> 	<p>MA0412.1_UME6 (E val: 5.9949e-04)</p> 
<p>M14</p> 	<p>MA0410.1_UGA3 (E val: 1.7727e-05)</p> 
<p>M45</p> 	<p>MA0081.1_SPIB (E val: 1.2339e-04)</p> 
<p>M17</p> 	<p>MA0079.2_SP1 (E val: 1.4152e-06)</p> 

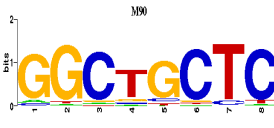
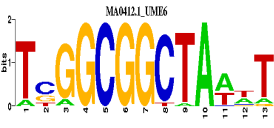
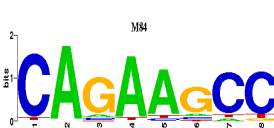
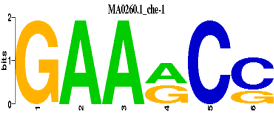
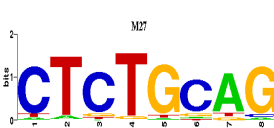
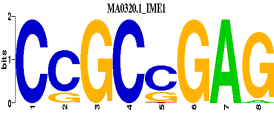
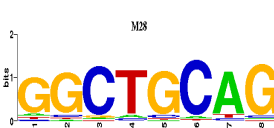

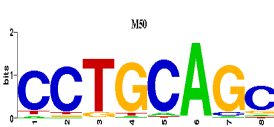
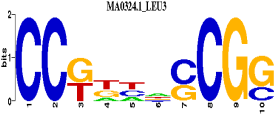
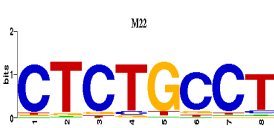

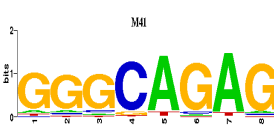
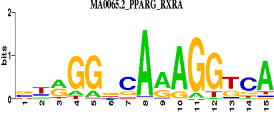
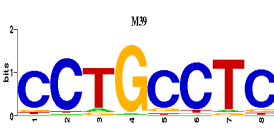

<p>M18</p>  <p>M18</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.3084e-06)</p>
<p>M12</p>  <p>M12</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.2505e-06)</p>
<p>M34</p>  <p>M34</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 8.2722e-07)</p>
<p>M80</p>  <p>M80</p>	<p>MA0436.1_YPR022C</p>  <p>MA0436.1_YPR022C (E val: 2.1798e-07)</p>
<p>M23</p>  <p>M23</p>	<p>MA0073.1_RREB1</p>  <p>MA0073.1_RREB1 (E val: 6.0519e-08)</p>
<p>M83</p>  <p>M83</p>	<p>MA0373.1_RPN4</p>  <p>MA0373.1_RPN4 (E val: 2.3621e-04)</p>
<p>M9</p>  <p>M9</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 4.1075e-11)</p>
<p>M11</p>  <p>M11</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 4.0582e-11)</p>

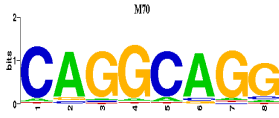



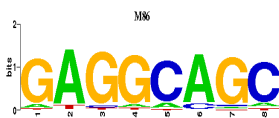
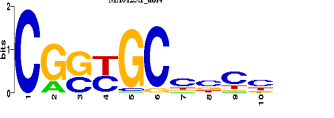
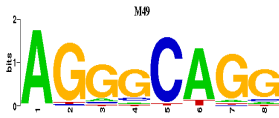
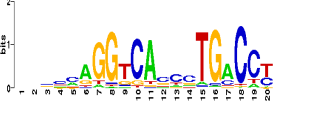
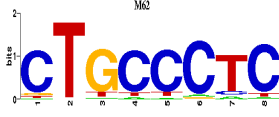
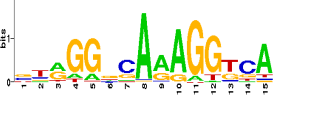
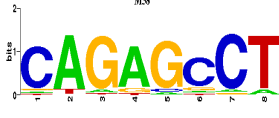


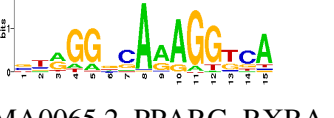
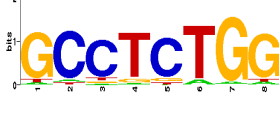

<p>M75</p> 	<p>MA0443.1_btd (E val: 2.5987e-08)</p> 
<p>M30</p> 	<p>MA0443.1_btd (E val: 1.7829e-06)</p> 
<p>M43</p> 	<p>MA0412.1_UME6 (E val: 2.4777e-07)</p> 
<p>M35</p> 	<p>MA0039.2_Klf4 (E val: 3.5758e-09)</p> 
<p>M89</p> 	<p>MA0399.1_SUT1 (E val: 5.7000e-07)</p> 
<p>M95</p> 	<p>MA0155.1_INSM1 (E val: 8.4971e-10)</p> 
<p>M32</p> 	<p>MA0055.1_Myf (E val: 1.0645e-04)</p> 
<p>M36</p> 	<p>MA0138.2_REST (E val: 9.0558e-05)</p> 

<p>M57</p>  <p>M57</p>	<p>MA0138.2_REST</p>  <p>MA0138.2_REST (E val: 8.0549e-05)</p>
<p>M51</p>  <p>M51</p>	<p>MA0403.1_TBF1</p>  <p>MA0403.1_TBF1 (E val: 9.7658e-05)</p>
<p>M74</p>  <p>M74</p>	<p>MA0283.1_CHA4</p>  <p>MA0283.1_CHA4 (E val: 4.6910e-05)</p>
<p>M42</p>  <p>M42</p>	<p>MA0267.1_ACE2</p>  <p>MA0267.1_ACE2 (E val: 1.8787e-04)</p>
<p>M82</p>  <p>M82</p>	<p>MA0267.1_ACE2</p>  <p>MA0267.1_ACE2 (E val: 1.8142e-04)</p>
<p>M60</p>  <p>M60</p>	<p>MA0144.1_Stat3</p>  <p>MA0144.1_Stat3 (E val: 2.4970e-05)</p>
<p>M61</p>  <p>M61</p>	<p>MA0410.1_UGA3</p>  <p>MA0410.1_UGA3 (E val: 1.4572e-09)</p>
<p>M85</p>  <p>M85</p>	<p>MA0290.1_DAL81</p>  <p>MA0290.1_DAL81 (E val: 6.9901e-06)</p>

 <p>M94</p>	 <p>MA0280.1_CAT8 (E val: 2.5985e-05)</p>
 <p>M52</p>	 <p>MA0344.1_NHP10 (E val: 1.8806e-05)</p>
 <p>M71</p>	 <p>MA0456.1_opa (E val: 2.0569e-06)</p>
 <p>M55</p>	 <p>MA0402.1_SWI5 (E val: 1.7126e-06)</p>
 <p>M56</p>	 <p>MA0344.1_NHP10 (E val: 1.7783e-05)</p>
 <p>M88</p>	 <p>MA0154.1_EBF1 (E val: 2.7698e-06)</p>
 <p>M69</p>	 <p>MA0213.1_brk (E val: 1.6828e-05)</p>
 <p>M72</p>	 <p>MA0368.1_RIM101 (E val: 1.0643e-03)</p>

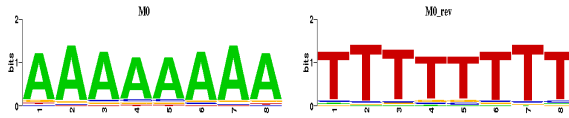
<p>M79</p> 	<p>MA0332.1_MET28 (E val: 1.3850e-04)</p> 
<p>M59</p> 	<p>MA0112.2_ESR1 (E val: 6.7227e-04)</p> 
<p>M65</p> 	<p>MA0450.1_hkb (E val: 7.6596e-05)</p> 
<p>M64</p> 	<p>MA0344.1_NHP10 (E val: 5.3340e-09)</p> 
<p>M76</p> 	<p>MA0162.1_Egr1 (E val: 8.8190e-04)</p> 
<p>M78</p> 	<p>MA0213.1_brk (E val: 2.8945e-04)</p> 
<p>M92</p> 	<p>MA0267.1_ACE2 (E val: 1.9247e-04)</p> 
<p>M13</p> 	<p>MA0055.1_Myf (E val: 2.0298e-07)</p> 

 <p>M90</p>	 <p>MA0412.1_UME6 (E val: 4.0004e-04)</p>
 <p>M84</p>	 <p>MA0260.1_che-1 (E val: 4.7521e-07)</p>
 <p>M27</p>	 <p>MA0320.1_IME1 (E val: 4.7940e-04)</p>
 <p>M28</p>	 <p>MA0055.1_Myf (E val: 2.8677e-04)</p>
 <p>M50</p>	 <p>MA0324.1_LEU3 (E val: 1.7437e-04)</p>
 <p>M22</p>	 <p>MA0283.1_CHA4 (E val: 2.5629e-05)</p>
 <p>M41</p>	 <p>MA0065.2_PPARG_RXRA (E val: 1.1358e-07)</p>
 <p>M39</p>	 <p>MA0340.1_MOT3 (E val: 2.6383e-04)</p>

<p>M70</p> 	<p>MA0340.1_MOT3 (E val: 2.7259e-05)</p> 
<p>M66</p> 	<p>MA0340.1_MOT3 (E val: 1.6928e-05)</p> 
<p>M86</p> 	<p>MA0123.1_abi4 (E val: 1.4029e-04)</p> 
<p>M49</p> 	<p>MA0112.2_ESR1 (E val: 7.1155e-06)</p> 
<p>M62</p> 	<p>MA0065.2_PPARG_RXRA (E val: 5.3492e-04)</p> 
<p>M38</p> 	<p>MA0316.1_HAP5 (E val: 6.9692e-04)</p> 
<p>M54</p> 	<p>MA0065.2_PPARG_RXRA (E val: 9.3692e-05)</p> 
<p>M91</p> 	<p>MA0332.1_MET28 (E val: 1.3356e-04)</p> 

Motif Similarity Matches

M0

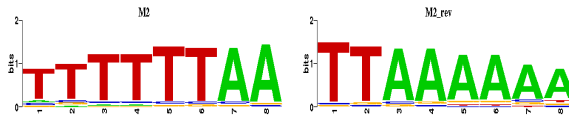


forward

reverse compliment

Name	E value	Alignment	Motif
MA0277.1_AZF1	6.4528e-08	-TTTTTTTT TTCCTTTT	
MA0049.1_hb	3.0812e-06	-TTTTTTTT- NTTTTNYKS	
MA0041.1_Foxd3	7.8377e-05	AAAAAAAA---- AAANAAACAWTN	
MA0120.1_id1	4.3489e-04	TTTTTTTT---- TNKYNNNTNCG	
MA0010.1_br_Z1	1.2344e-03	-----AAAAAAA- NTNATARACAARWN	




M2



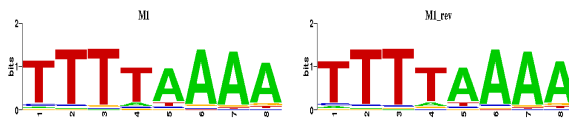
forward

reverse compliment

Name	E value	Alignment	Motif
MA0049.1_hb	2.9488e-05	TTTTTTAA-- NTTTTTNYKS	
MA0151.1_ARID3A	6.0897e-05	TTTTTTAA-- ---TTTAAT	




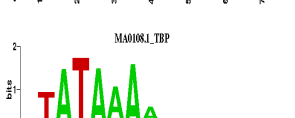
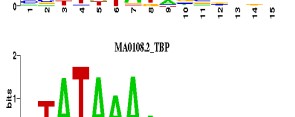
MA0387.1_SPT2	8.0548e-05	TTTTTTAA-- TTMNTTAANT	
MA0216.1_cad	8.4789e-05	TTAAAAAA -YAATAAA	
MA0174.1_CG42234	8.6227e-05	TTTTTTAA TTWATKA-	

M1

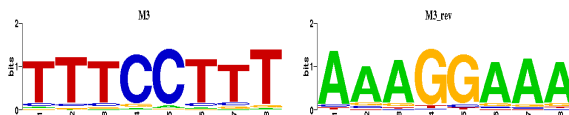


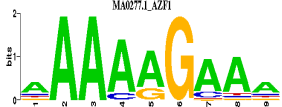

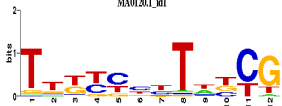
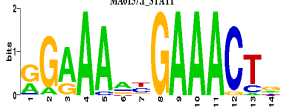
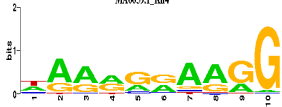
forward

reverse compliment

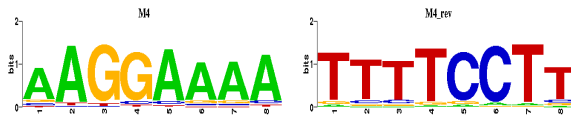
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0151.1_ARID3A	6.9845e-05	TTTTAAAA -TTTAAT-	
MA0218.1_ct	1.2797e-03	TTTTAAAA GTTYAA--	
MA0173.1_CG11617	1.5637e-03	-TTTTAAAA ATGTWAA--	
MA0108.1_TBP	1.6646e-03	-----TTTTAAAA NNNNNNYWTTTATAN	
MA0108.2_TBP	1.6691e-03	-----TTTTAAAA NNNNNNYWTTTATAN	

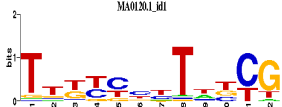
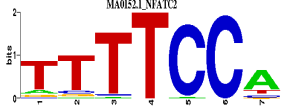


M3



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	3.9715e-09	TTTCCTTT- TTTCCTTTT	
MA0370.1_RME1	2.1531e-08	---AAAGGAAA TNNAAAGGNA-	
MA0120.1_id1	6.7793e-07	-TTTCCTTT--- TNKYNNNTNCG	
MA0137.1_STAT1	3.3328e-06	---AAAGGAAA--- RGAAANNGAAACTN	
MA0039.1_Klf4	7.8228e-06	-TTTCCTTT- CCTTYYYTNN	

M4



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0120.1_id1	1.2781e-07	----AAGGAAAA CGNNANNRRMNA	
MA0152.1_NFATC2	1.5489e-07	AAGGAAAA -TGGAAAA	
MA0277.1_AZF1	7.2906e-06	TTTTCTTT-- -TTTCCTTTT	
MA0294.1_EDS1	1.3118e-05	--TTTTCTTT NTNTTCCN-	

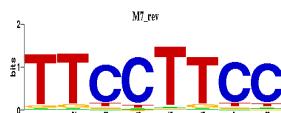
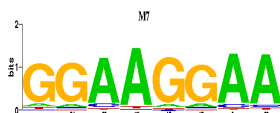
MA0156.1_FEV

1.5526e-05

TTTTCTT
AYTTCCTG



M7



forward

reverse compliment

Name

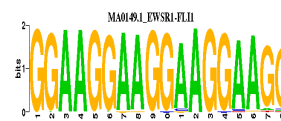
E value

Alignment

Motif

MA0149.1_EWSR1-FLI1 1.0253e-10

--TTCCTTCC-----
CCTTCCTTCCCTTCCTTCC



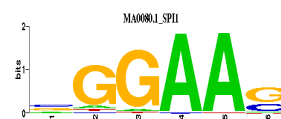
MA0370.1_RME1 2.5324e-05

TTCCTTCC--
TNCCTTTNNA



MA0080.1_SPI1 5.0069e-05

TTCCTTCC--
---STTCN



MA0305.1_GCR2 1.7327e-04

TTCCTTCC--
--GCTTCN

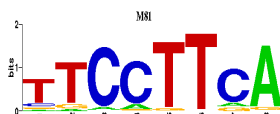


MA0080.2_SPI1 1.7756e-04

-GGAAGGAA
AGGAAGT--



M81



forward

reverse compliment

Name

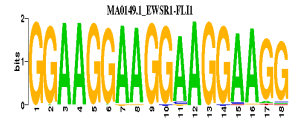
E value

Alignment

Motif

MA0149.1_EWSR1-FLI1 4.7946e-07

--TTCCTTCA-----
CCTTCCTTCCTTCCTTCC



MA0370.1_RME1 2.5461e-05

--TGAAGGAA
TNNAAAGGNA



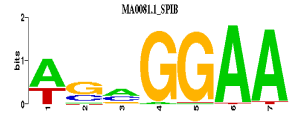
MA0080.2_SPI1 2.1732e-04

--TTCCTTCA
ACTTCT---



MA0081.1_SPIB 5.1668e-04

TTCCTTCA
TTCKST-

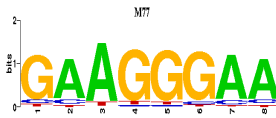


MA0156.1_FEV 8.4432e-04

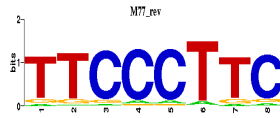
--TTCCTTCA
AYTTCTG--



M77



forward



reverse compliment

Name

E value

Alignment

Motif

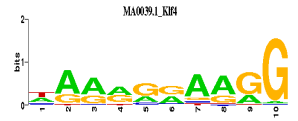
MA0154.1_EBF1 1.0513e-04

---GAAGGGAA
NCCNAGGGA-



MA0039.1_Klf4 1.7642e-04

--TTCCTTTC
CCTTYYYTIN



MA0370.1_RME1 3.7561e-04

--GAAGGGAA
TNNAAAGGNA



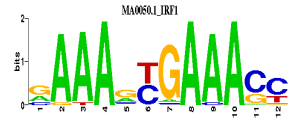
MA0120.1_id1 5.9826e-04

---GAAGGGAA-
CGNNANRRMNA

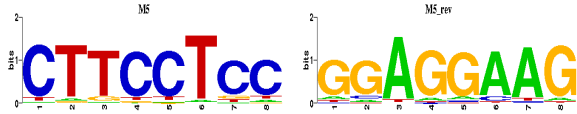


MA0050.1_IRF1 1.4116e-03

---TTCCTTC-
GGTTTCRNITTN



M5

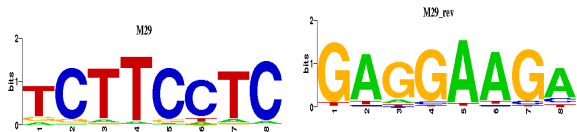


forward

reverse compliment

Name	E value	Alignment	Motif
MA0080.2_SPI1	1.9061e-07	GGAGGAAG- --AGGAAGT	
MA0081.1_SPIB	1.5354e-06	CTTCCTCC -TTCKST	
MA0090.1_TEAD1	2.7953e-06	---CTTCCTCC- YACATTCWSNG	
MA0149.1_EWSR1-FLI1	3.4970e-06	-----CTTCCTCC----- CCTTCCTTCCTTCCTTC	
MA0144.1_Stat3	4.1108e-05	CTTCCTCC-- CTTCNGGAA	

M29



forward

reverse compliment

Name E value Alignment Motif

Stamp Results

10/01/13

MA0080.2_SPI1 2.2196e-07

TCTTCCTC
ACTTCCT-



MA0081.1_SPIB 1.7896e-06

-GAGGAAGA
ASMGAA--



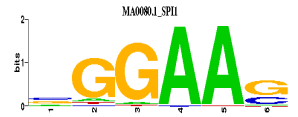
MA0062.1_GABPA 2.7564e-05

-TCTTCCTC-
SNCTTCCGGT



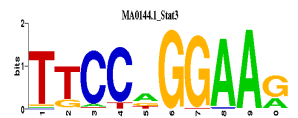
MA0080.1_SPI1 3.7980e-05

TCTTCCTC
-STTCN-

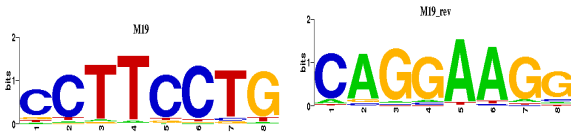


MA0144.1_Stat3 6.0790e-05

TCTTCCTC---
-CTTCNGGAA



M19



forward

reverse compliment

Name

E value

Alignment

Motif

MA0156.1_FEV

2.6596e-08

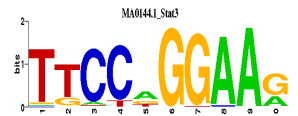
CCTTCCTG
AYTTCCTG



MA0144.1_Stat3

4.4742e-08

---CAGGAAGG
TTCCNGGAAG-



MA0026.1_Eip74EF

1.3003e-07

CAGGAAGG
CCGGAAR-



MA0080.2_SPI1

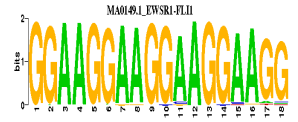
1.6736e-07

CCTTCCTG
ACTTCCT-

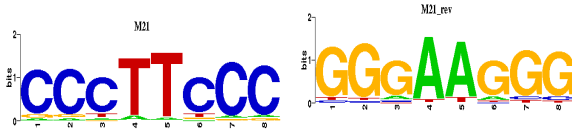


MA0149.1_EWSR1-FLI1 4.2942e-07

CCTTCCTG-----
CCTTCCTTCCTTCCTTCC



M21

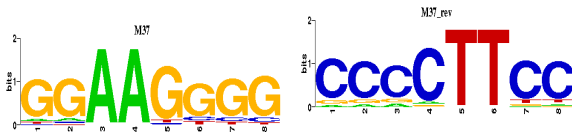


forward

reverse compliment

Name	E value	Alignment	Motif
MA0079.2_SP1	5.5434e-06	-GGGAAGGG- GGGGGNGGGG	
MA0039.1_Klf4	2.9638e-05	---GGGAAGGG NAARRRAAGG-	
MA0080.1_SPI1	5.3220e-05	CCCTTCCC --STTCN	
MA0305.1_GCR2	1.7182e-04	CCCTTCCC -GCTTCN	
MA0080.2_SPI1	1.8418e-04	CCCTTCCC -ACTTCCT	

M37



forward

reverse compliment

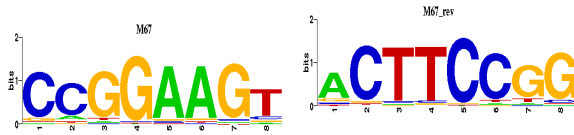
Name	E value	Alignment	Motif
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Stamp Results

10/01/13





MA0366.1_RGM1	2.0957e-06	CCCCTTCC CCCCT---	
MA0342.1_MSN4	2.1947e-06	CCCCTTCC CCCCT---	
MA0079.2_SP1	2.9492e-06	--GGAAGGGG GGGGNGGGG	
MA0341.1_MSN2	5.7673e-06	CCCCTTCC CCCCT---	
MA0323.1_I XR1	1.1411e-05	--CCCCTTCC----- CMCCGCTTCCGGYTT	

M67



forward

reverse compliment

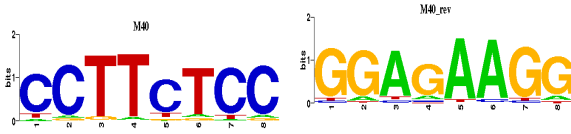
Name	E value	Alignment	Motif
MA0076.1_ELK4	5.1403e-13	-CCGGAAGT ACCGGAAGT	
MA0062.2_GABPA	4.5977e-12	---ACTTCCGG NNCACTTCCGG	
MA0026.1_Eip74EF	7.5207e-11	ACTTCCGG -YTTCCGG	
MA0062.1_GABPA	3.3017e-09	-ACTTCCGG- SNCTTCCGGT	

MA0156.1_FEV 2.4716e-08

ACTTCCGG
AYTTCCTG



M40

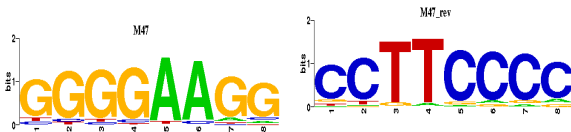


forward

reverse compliment

Name	E value	Alignment	Motif
MA0437.1_YPR196W	5.5248e-05	-GGAGAAGG CGGRNAAAT	
MA0432.1_YNR063W	3.1640e-04	--GGAGAAGG TCGGAGAT--	
MA0354.1_PDR8	6.4604e-04	CCTTCTCC-- --ATCTCCGN	
MA0324.1_LEU3	6.4907e-04	--GGAGAAGG CCGNNNMGG	
MA0152.1_NFATC2	6.6981e-04	-GGAGAAGG TGGAAAA--	

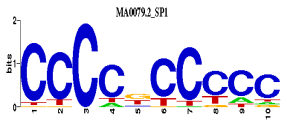

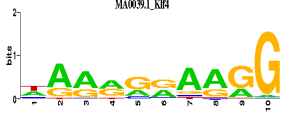
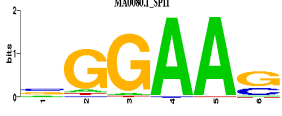

M47



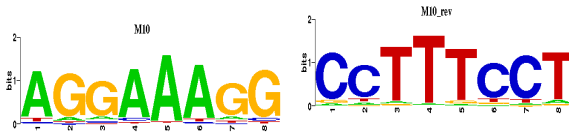
forward

reverse compliment

Name	E value	Alignment	Motif
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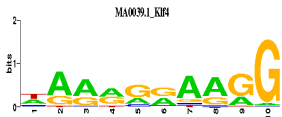

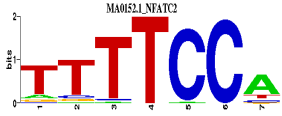

MA0079.2_SP1	2.8634e-06	GGGGAAGG-- GGGGGNGGGG	
MA0056.1_MZF1_1-4	2.1596e-05	CCTTCCCC- ---TCCCCN	
MA0039.1_Klf4	4.2356e-05	CCTTCCCC-- CCTYYYYTTN	
MA0080.1_SPI1	5.1916e-05	CCTTCCCC -STCCN-	
MA0105.1_NFKB1	1.6386e-04	GGGGAAGG--- GGGGAATCCCC	

M10



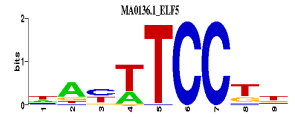
forward

reverse compliment

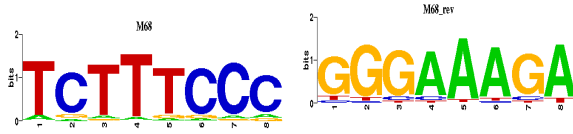
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	2.3548e-07	--AGGAAAGG NAARRRAAGG	
MA0156.1_FEV	2.2488e-05	CCTTTCCT- -AYTTCCTG	
MA0152.1_NFATC2	1.7914e-04	CCTTTCCT -TTTTCCA	
MA0080.2_SPI1	1.9872e-04	CCTTTCCT -ACTTCCT	

MA0136.1_ELF5 4.4191e-04

-AGGAAAGG
NMGGAARTN



M68

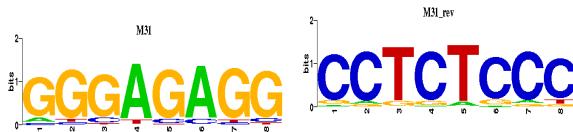


forward

reverse compliment

Name	E value	Alignment	Motif
MA0294.1_EDS1	1.1673e-04	-TCTTTCCC NTTNTTCN	
MA0022.1_d1_1	1.4367e-04	----TCTTTCCC SGGGTTTTTCN	
MA0152.1_NFATC2	1.7885e-04	TCTTTCCC -TTTTCCA	
MA0065.2_PPARG_RXRA	6.0057e-04	---TCTTTCCC--- TGMCCTTTGNCCYNN	
MA0438.1_YRM1	6.5575e-04	TCTTTCCC- -ATNTCCGN	

M31



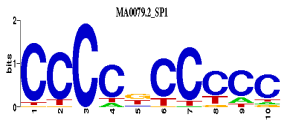
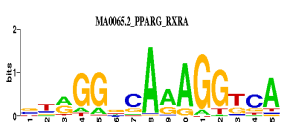


forward

reverse compliment

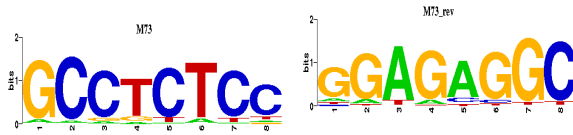
Name	E value	Alignment	Motif
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Stamp Results

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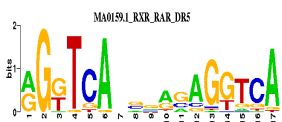



MA0079.2_SP1	6.8375e-06	GGGAGAGG-- GGGGNGGGG	
MA0159.1_RXR_RAR_DR5	6.9995e-05	---CCTCTCCC----- TGACCTNYNNNTGAMCY	
MA0065.2_PPARG_RXRA	1.2921e-04	---CCTCTCCC----- TGMCCITTTGNCYYNN	
MA0323.1_IXR1	3.1616e-04	-----GGGAGAGG-- AARCCGGAAGCGGKG	
MA0062.1_GABPA	6.1685e-04	CCTCTCCC--- -SNCTTCCGGT	

M73



forward

reverse compliment

Name	E value	Alignment	Motif
MA0159.1_RXR_RAR_DR5	6.5913e-05	--GCCTCTCC----- TGACCTNYNNNTGAMCY	
MA0354.1_PDR8	6.8129e-04	GCCTCTCC-- --ATCTCCGN	
MA0432.1_YNR063W	6.9599e-04	GCCTCTCC-- --ATCTCCGA	
MA0079.2_SP1	1.4054e-03	-GGAGAGGC- GGGGNGGGG	

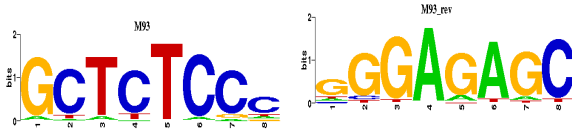
MA0081.1_SPIB

1.5769e-03

-GCCTCTCC
TTCKKST--



M93

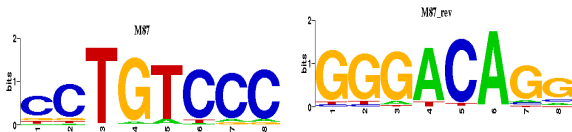


forward

reverse compliment

Name	E value	Alignment	Motif
MA0062.1_GABPA	4.5510e-04	GCTCTCCC--- -SNCTTCCGGT	
MA0432.1_YNR063W	6.4716e-04	GCTCTCCC- -ATCTCCGA	
MA0354.1_PDR8	6.6165e-04	GCTCTCCC- -ATCTCCGN	
MA0138.1_REST	1.0767e-03	-----GGGAGAGC-- TCAGCACCWNGGACAGCNC	
MA0138.2_REST	1.6297e-03	---GCTCTCCC----- GNNGCTGTCCNNGGTGCTGAN	

M87





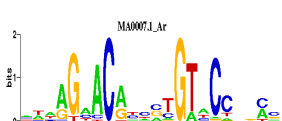

forward

reverse compliment

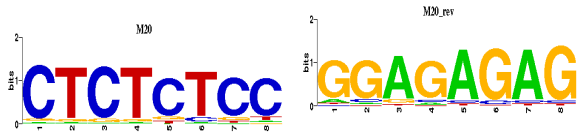
Name	E value	Alignment	Motif
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Stamp Results

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MA0207.1_achi	2.2439e-05	CCTGTCCC -CTGTCA-	
MA0227.1_hth	5.8214e-05	CCTGTCCC -CTGTCA-	
MA0140.1_Tal1_Gata1	1.6897e-04	----CCTGTCCC----- NTTATCTNNNNNNNNCNN	
MA0007.1_Ar	2.2721e-04	----GGGACAGG----- NKNNGGNACANNNTGTNCTNNN	
MA0138.1_REST	3.6309e-04	-----GGGACAGG-- TCAGCACCWNGGACAGCNC	

M20



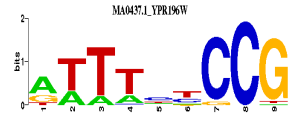
forward

reverse compliment

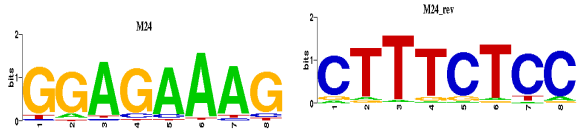
Name	E value	Alignment	Motif
MA0354.1_PDR8	6.4143e-04	CTCTCTCC-- --ATCTCCGN	
MA0140.1_Tal1_Gata1	6.7441e-04	---CTCTCTCC----- NTTATCTNNNNNNNNCNN	
MA0432.1_YNR063W	7.0035e-04	CTCTCTCC-- --ATCTCCGA	
MA0422.1_YDR520C	8.5626e-04	CTCTCTCC-- NTAWNTCCGN	

MA0437.1_YPR196W 8.6481e-04

-GGAGAGAG
CGGRNAAAT



M24

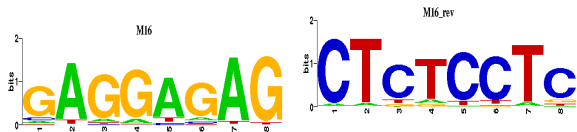


forward

reverse compliment

Name	E value	Alignment	Motif
MA0437.1_YPR196W	1.8810e-07	-GGAGAAAG CGGRNAAAT	
MA0294.1_EDS1	1.8989e-04	CTTTCTCC- NTTNTTCN	
MA0432.1_YNR063W	2.4552e-04	CTTTCTCC-- --ATCTCCGA	
MA0422.1_YDR520C	2.6424e-04	--GGAGAAAG NCGGANWTAN	
MA0442.1_SOX10	2.8153e-04	GGAGAAAG --ACAAG	



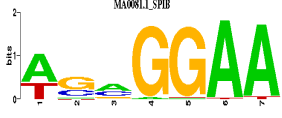

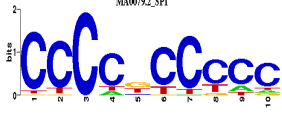
M16



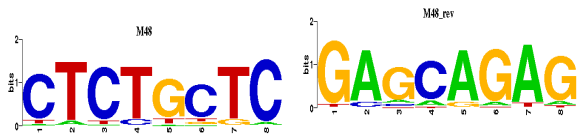
forward

reverse compliment

Name	E value	Alignment	Motif
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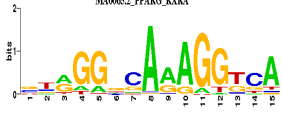


MA0354.1_PDR8	6.4530e-04	CTCTCCTC ATCTCCGN	
MA0432.1_YNR063W	6.9894e-04	CTCTCCTC ATCTCCGA	
MA0081.1_SPIB	9.5370e-04	CTCTCCTC-- --TTCKKST	
MA0205.1_Trl	3.5645e-03	GAGGAGAG--- -NNGAGAGNNR	
MA0079.2_SP1	3.7382e-03	-GAGGAGAG- GGGGNGGGG	

M48



forward

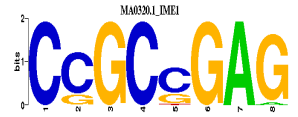
reverse compliment

Name	E value	Alignment	Motif
MA0326.1_MAC1	1.8439e-05	CTCTGCTC- -TTTGCTCR	
MA0065.2_PPARG_RXRA	2.8007e-04	----CTCTGCTC--- TGMCCTTTGNCCYNN	
MA0287.1_CUP2	4.1534e-04	GAGCAGAG--- CAGCARAAWG	
MA0283.1_CHA4	3.4522e-03	-CTCTGCTC NCTCCGCC-	

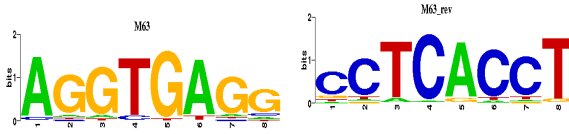
MA0320.1_IME1

8.5136e-03

CTCTGCTC
CTCGGCGG



M63

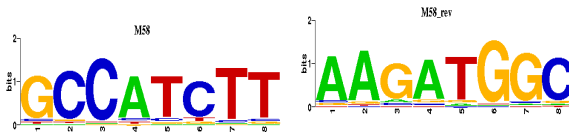


forward

reverse compliment

Name	E value	Alignment	Motif
MA0086.1_sna	1.8455e-05	CCTCACCT- ---CACCTG	
MA0103.1_ZEB1	2.0346e-05	-AGGTGAGG NAGGTG---	
MA0112.2_ESR1	4.5289e-05	AGGTGAGG----- RGGTCANNNTGACCTNNNNN	
MA0009.1_T	1.5681e-04	-CCTCACCT-- TTCACACCTAG	
MA0018.1_CREB1	1.0033e-03	--CCTCACCT-- NACGTCANCMNN	

M58



forward

reverse compliment

Name	E value	Alignment	Motif
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MA0091.1_TAL1_TCF3 6.1697e-04

--GCCATCTT--
NNAMCATCTGKT



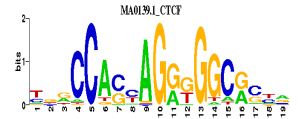
MA0373.1_RPN4 1.1859e-03

-GCCATCTT
CGCCACC--



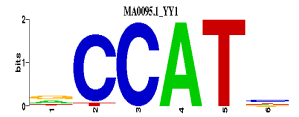
MA0139.1_CTCF 1.9307e-03

-----AAGATGGC-----
YNNCCASYAGGKGGCRSNN



MA0095.1_YY1 6.4382e-03

AAGATGGC
--NATGGN

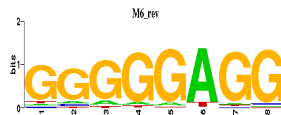
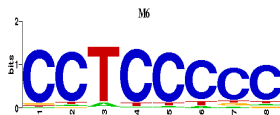


MA0161.1_NFIC 6.9749e-03

-GCCATCTT
NGCCAA---



M6



forward

reverse compliment

Name

E value

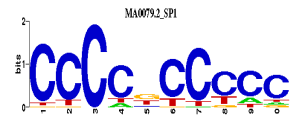
Alignment

Motif

MA0079.2_SP1

4.9419e-10

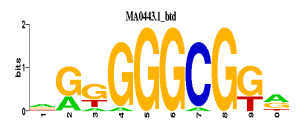
--CCTCCCC
CCCCNCCCC



MA0443.1_btd

1.4295e-06

-CCTCCCC-
YCCGCCMCN



MA0056.1_MZF1_1-4

2.0469e-05

CCTCCCC
--TCCCCN



MA0283.1_CHA4

6.0372e-05

CCTCCCC
NCTCCGCC

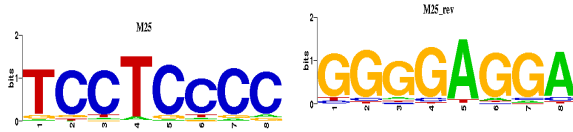


MA0057.1_MZF1_5-13 8.1636e-05

CCTCCCC--
-NTNCCCCTMN



M25

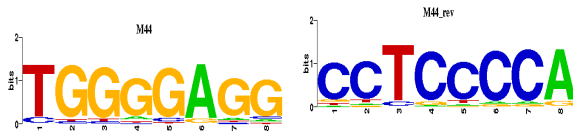


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.9033e-06	-GGGGAGGA- GGGGNGGGG	
MA0443.1_btd	3.2498e-06	TCCTCCCC-- YCCGCCMCN	
MA0056.1_MZF1_1-4	2.1755e-05	-GGGGAGGA NGGGGA---	
MA0344.1_NHP10	7.0484e-04	TCCTCCCC--- ---TCCCCGN	
MA0090.1_TEAD1	7.6522e-04	GGGGAGGA----- -CNSWGAATGTR	


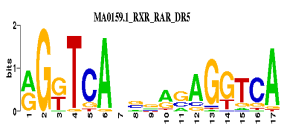


M44



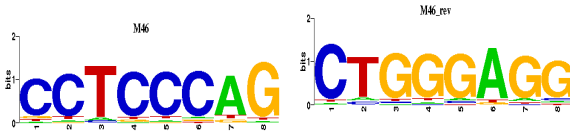
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.7074e-06	--CCTCCCCA CCCCNCCCC	


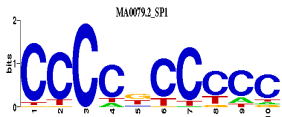
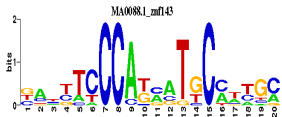


MA0056.1_MZF1_1-4	1.9898e-05	CCTCCCCA --TCCCCN	
MA0159.1_RXR_RAR_DR5	9.4780e-05	---CCTCCCCA----- TGACCTNYNNNTGAMCY	
MA0268.1_ADR1	1.8880e-04	-TGGGGAGG KTGGGGN--	
MA0436.1_YPR022C	2.5871e-04	--TGGGGAGG NGTGGGG---	

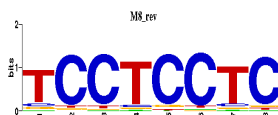
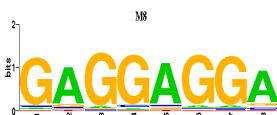
M46



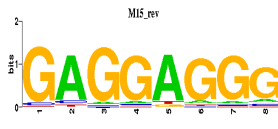
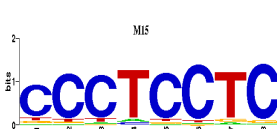
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0320.1_IME1	2.6266e-04	CTGGGAGG CTCGGCGG	
MA0079.2_SP1	5.8221e-04	CTGGGAGG-- GGGGGNGGGG	
MA0088.1_znf143	1.0534e-03	--CCTCCCAG----- NNNNTCCCAKNNTKCMNNGM	
MA0162.1_Egr1	2.3279e-03	---CTGGGAGG NGCGTGGGCGK	
MA0432.1_YNR063W	3.6652e-03	-CCTCCCAG ATCTCCGA-	

M8*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0057.1_MZF1_5-13	3.1838e-05	-TCCTCCTC- NTNCCCCTMN	<p>MA0057.1_MZF1_5-13</p>
MA0079.2_SP1	4.1112e-04	-GAGGAGGA- GGGGNGGGG	<p>MA0079.2_SP1</p>
MA0081.1_SPIB	8.0431e-04	-TCCTCCTC TTCKST--	<p>MA0081.1_SPIB</p>
MA0080.2_SPI1	8.7720e-04	TCCTCCTC ACTTCCT-	<p>MA0080.2_SPI1</p>
MA0090.1_TEAD1	1.0703e-03	-----TCCTCCTC YACATTCCWSNG-	<p>MA0090.1_TEAD1</p>

M15*forward**reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.8041e-06	-GAGGAGGG- GGGGNGGGG	<p>MA0079.2_SP1</p>
MA0039.1_Klf4	4.9459e-04	--GAGGAGGG NAARRRAAGG	<p>MA0039.1_Klf4</p>

Stamp Results

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MA0081.1_SPIB

7.3263e-04

CCCTCCTC-
--TTCKST



MA0080.2_SPI1

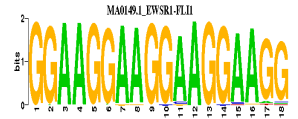
8.9332e-04

CCCTCCTC
ACTTCTC-

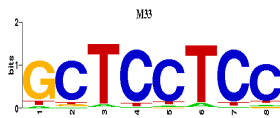


MA0149.1_EWSR1-FLI1 9.8303e-04

-----CCCTCCTC--
CCTTCCTTCCTTCCTTC



M33



forward



reverse compliment

Name

E value

Alignment

Motif

MA0283.1_CHA4

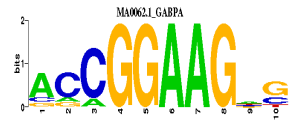
4.4122e-05

GCTCCTCC
NCTCCGCC



MA0062.1_GABPA 2.7151e-04

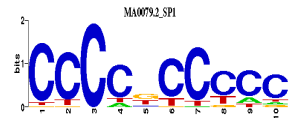
GCTCCTCC---
-SNCTTCCGGT



MA0079.2_SP1

7.3821e-04

--GCTCCTCC
CCCCNCCCCC



MA0090.1_TEAD1 9.8705e-04

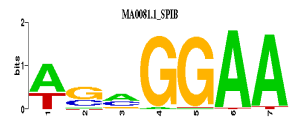
-GGAGGAGC---
CNSWGAATGTR



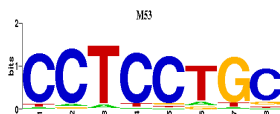
MA0081.1_SPIB

1.1372e-03

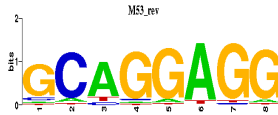
GCTCCTCC
-TTCKST



M53



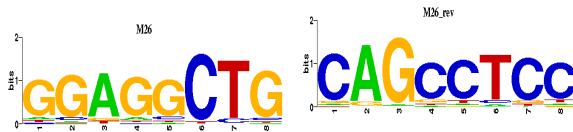
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0086.1_sna	1.2085e-04	GCAGGAGG -CAGGTG-	
MA0144.1_Stat3	4.0120e-04	--GCAGGAGG TTCCNGGAAG	
MA0156.1_FEV	4.4480e-04	GCAGGAGG- -CAGGAART	
MA0147.1_Myc	8.5133e-04	-GCAGGAGG- NSCACGTGGN	
MA0456.1_opa	8.6216e-04	--GCAGGAGG-- CNGCGGGGGK	

M26



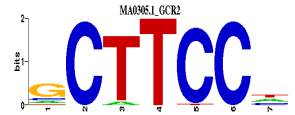
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0412.1_UME6	5.9949e-04	--GGAGGCTG-- TSGGCGGCTA	
MA0079.2_SP1	7.4367e-04	--CAGCCTCC CCCCNCCCC	

MA0305.1_GCR2 1.1080e-03

-GGAGGCTG
NGGAAGC--



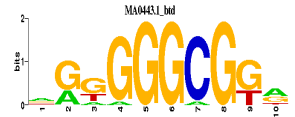
MA0373.1_RPN4 1.5460e-03

CAGCCTCC
-CGCCACC

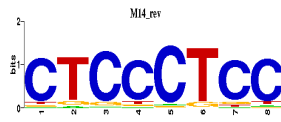
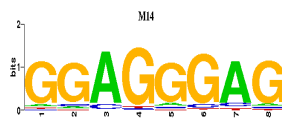


MA0443.1_btd 2.3435e-03

-GGAGGCTG-
NGKGGGCGGR



M14



forward

reverse compliment

Name

E value

Alignment

Motif

MA0410.1_UGA3

1.7727e-05

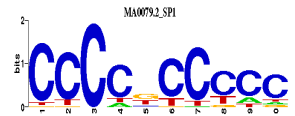
CTCCCTCC-
-TCCCGCCN



MA0079.2_SP1

2.4713e-04

---GGAGGGAG
GGGGNGGGG-



MA0290.1_DAL81

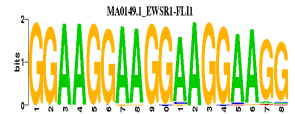
9.9418e-04

-CTCCCTCC-----
AATCCCGCCCGCGGCTTTT



MA0149.1_EWSR1-FLI1 1.4307e-03

-----CTCCCTCC----
CCTTCCTTCCTTCCTTC



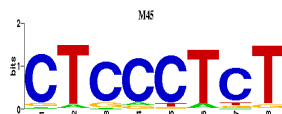
MA0080.2_SP11

1.6066e-03

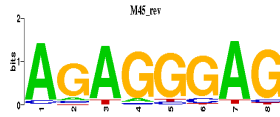
-CTCCCTCC
ACTTCCT--



M45



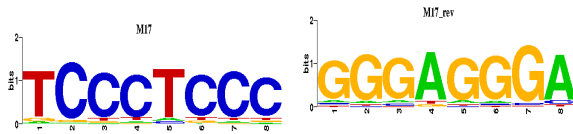
forward



reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	1.2339e-04	AGAGGGAG ASMGGAA-	
MA0057.1_MZF1_5-13	9.6920e-04	CTCCCTCT-- NTNCCCCTMN	
MA0366.1_RGM1	1.9431e-03	CTCCCTCT -CCCCT--	
MA0080.2_SPI1	2.1607e-03	-CTCCCTCT ACTTCCT--	
MA0342.1_MSNA	2.2567e-03	AGAGGGAG --AGGGG-	

M17



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SPI1	1.4152e-06	--GGGAGGGA GGGGGNGGGG	
MA0290.1_DAL81	6.9916e-06	--TCCCTCCC----- AATCCCGCCCGCGGCTTTT	

Stamp Results

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MA0410.1_UGA3 4.5710e-05

TCCCTCCC
TCCCGCCN



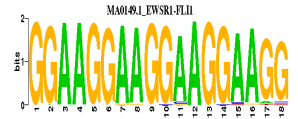
MA0450.1_hkb 3.2022e-04

-GGGAGGGA
KGGGCGTGA

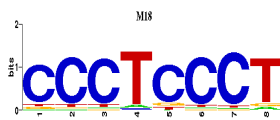


MA0149.1_EWSR1-FLI1 1.0023e-03

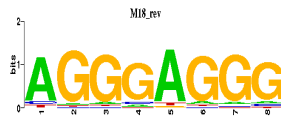
-----TCCCTCCC---
CCTTCCTTCCTTCCTTC



M18



forward



reverse complement

Name

E value

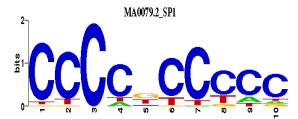
Alignment

Motif

MA0079.2_SP1

1.3084e-06

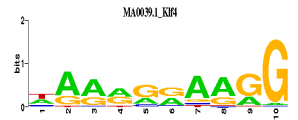
-AGGGAGGG-
GGGGNGGGG



MA0039.1_Klf4

2.1028e-05

CCCTCCCT--
CCTTYYYTNN



MA0080.2_SPI1

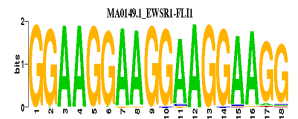
1.1387e-03

CCCTCCCT
-ACTTCCT



MA0149.1_EWSR1-FLI1 1.1420e-03

-----CCCTCCCT---
CCTTCCTTCCTTCCTTC



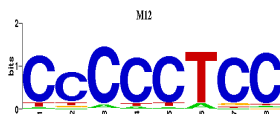
MA0039.2_Klf4

1.6970e-03

--CCCTCCCT
GCCMCRCNN



M12



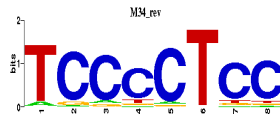
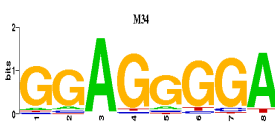
forward



reverse compliment

Name	E value	Alignment	Motif
MA0079.2_SP1	1.2505e-06	---GGAGGGGG GGGGGNGGGG-	
MA0057.1_MZF1_5-13	1.6487e-06	--CCCCCTCC NTNCCCCTMN	
MA0366.1_RGM1	1.9127e-06	CCCCCTCC -CCCCT--	
MA0342.1_MSN4	2.3269e-06	CCCCCTCC -CCCCT--	
MA0341.1_MSN2	7.4605e-06	CCCCCTCC -CCCCT--	




M34



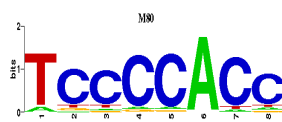
forward

reverse compliment

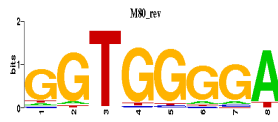
Name	E value	Alignment	Motif
MA0079.2_SP1	8.2722e-07	---GGAGGGGA GGGGGNGGGG-	
MA0366.1_RGM1	1.8611e-06	TCCCCTCC -CCCCT--	

MA0342.1_MSN4	1.9996e-06	TCCCCTCC -CCCCT--	
MA0341.1_MSN2	5.2668e-06	TCCCCTCC -CCCCT--	
MA0056.1_MZF1_1-4	2.0047e-05	TCCCCTCC TCCCN--	


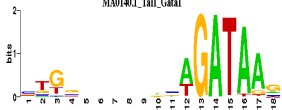
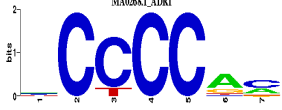
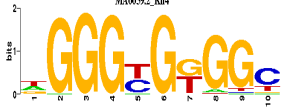

M80



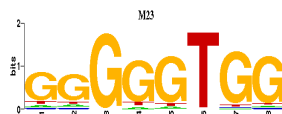
forward



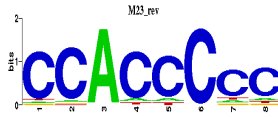
reverse compliment

Name	E value	Alignment	Motif
MA0436.1_YPR022C	2.1798e-07	GGTGGGGA NGTGGGG-	
MA0140.1_Tal1_Gata1	4.3954e-07	-----TCCCCACC-- NTTATCTNNNNNNNNC	
MA0268.1_ADR1	7.9052e-07	GGTGGGGA -KTGGGGN	
MA0039.2_Klf4	2.0999e-06	--GGTGGGGA NGGGYGKGGC	
MA0373.1_RPN4	3.7440e-06	GGTGGGGA GGTGGCG-	

M23



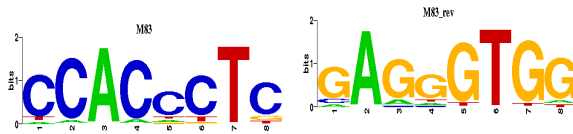
forward



reverse compliment

Name	E value	Alignment	Motif
MA0073.1_RREB1	6.0519e-08	-----CCACCCCC----- CCCCAAMCACCCMCMCCN	
MA0443.1_btd	1.8761e-06	-CCACCCCC- YCCGCCMCN	
MA0079.2_SP1	3.8598e-06	--CCACCCCC CCCCNCCCC	
MA0039.2_Klf4	2.8480e-05	-GGGGTGG- NGGGYGKGGC	
MA0450.1_hkb	9.2742e-05	CCACCCCC- TCACGCCCM	

M83



forward

reverse compliment

Name	E value	Alignment	Motif
MA0373.1_RPN4	2.3621e-04	--CCACCCTC CGCCACC---	
MA0112.2_ESR1	6.0184e-04	----GAGGGTGG----- RGGTCANNNTGACCTNNNNN	

MA0270.1_AFT2 6.4559e-04

GAGGGTGG-
-NGGGTGTN



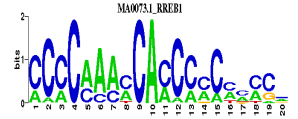
MA0039.2_Klf4 8.1316e-04

---CCACCCCTC
GCCMCRCCCN-

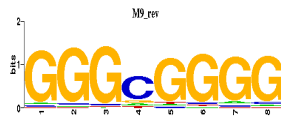
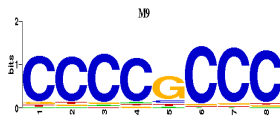


MA0073.1_RREB1 9.0698e-04

-----GAGGGTGG-----
NGKKKGKGGGTGKTTTGGGG



M9



forward

reverse compliment

Name

E value

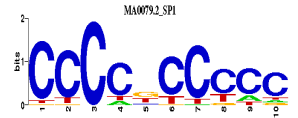
Alignment

Motif

MA0079.2_SP1

4.1075e-11

CCCCGCCC--
CCCCNCCCC



MA0039.2_Klf4

2.9723e-09

-CCCCGCCC-
GCCMCRCCCN



MA0079.1_SP1

1.8705e-07

-CCCCGCCC-
ACCCNGCCNN



MA0290.1_DAL81

4.4784e-07

--CCCCGCCC-----
AATCCCGCCCCGCGGCTTTT



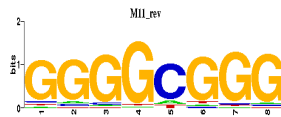
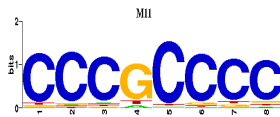
MA0399.1_SUT1

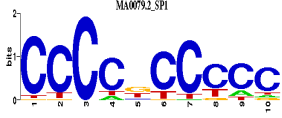
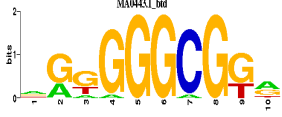

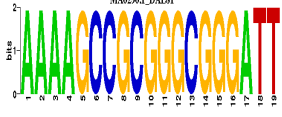

5.6207e-07

CCCCGCCC
CCCCGCG-

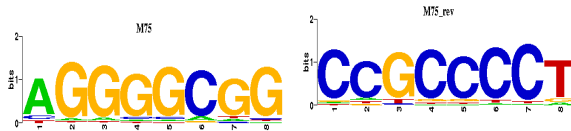


M11



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	4.0582e-11	-CCCGCCCC- CCCCNCCCCC	
MA0443.1_btd	5.3391e-09	CCCGCCCC-- YCCGCCCMCN	
MA0450.1_hkb	1.0639e-07	-CCCGCCCC TCACGCCCM	
MA0290.1_DAL81	4.6919e-07	---CCCGCCCC----- AATCCCGCCCCGGGCTTTT	
MA0410.1_UGA3	3.4576e-06	-CCCGCCCC TCCCGCCN-	

M75



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0443.1_btd	2.5987e-08	-CCGCCCT- YCCGCCMCN	
MA0079.2_SP1	1.4292e-07	AGGGCGG-- GGGGNGGGG	
MA0366.1_RGM1	1.8824e-06	CCGCCCT ---CCCT	

MA0342.1_MSN4 2.3968e-06

CCGCCCT
---CCCCT

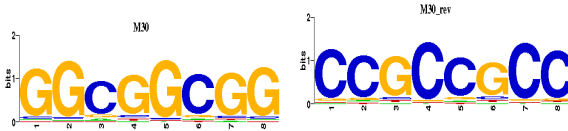


MA0341.1_MSN2 7.7730e-06

CCGCCCT
---CCCCT



M30



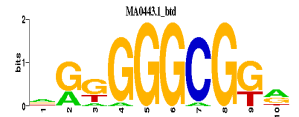
forward

reverse compliment

Name E value Alignment Motif

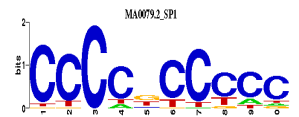
MA0443.1_btd 1.7829e-06

-CCGCCGCC-
YCCGCCMCN



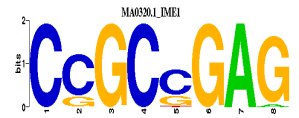
MA0079.2_SP1 1.8742e-06

--CCGCCGCC
CCCCNCCCC



MA0320.1_IME1 2.4259e-06

GGCGCGG
CTCGCGG



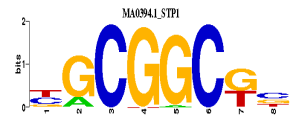
MA0373.1_RPN4 6.6370e-06

CCGCCGCC
-CGCCACC

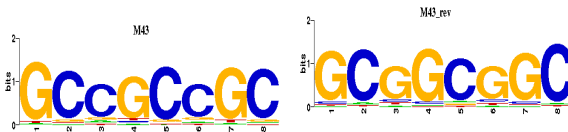


MA0394.1_STP1 9.5537e-06

CCGCCGCC
NMGCCGR


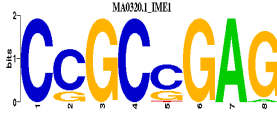
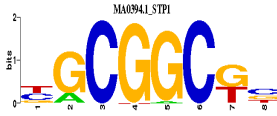

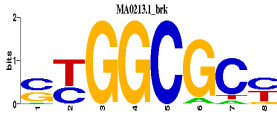


M43

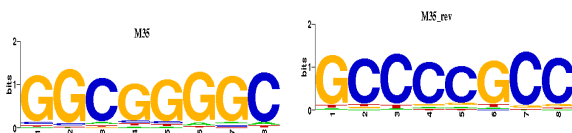



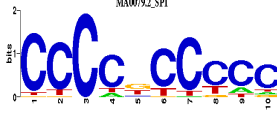
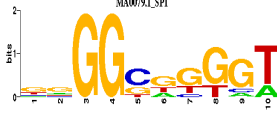

forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0412.1_UME6	2.4777e-07	-----GCCGCCGC AWWTAGCCGCCSA	
MA0320.1_IME1	2.3036e-06	-GCGGCGGC CTCGGCGG-	
MA0394.1_STP1	9.5998e-06	GCCGCCGC- -NMGCCGCR	
MA0123.1_abi4	1.0241e-04	-GCGGCGGC- NGNNGCRSCG	
MA0213.1_brk	4.6427e-04	GCCGCCGC RGCGCCRS	

M35

*forward**reverse complement*

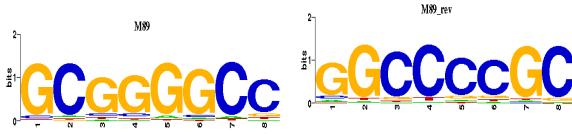
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	3.5758e-09	GCCCCGCC-- GCCMCRCCCN	
MA0079.2_SP1	1.3564e-07	GCCCCGCC--- -CCCCNCCCC	
MA0079.1_SP1	2.1957e-07	GCCCCGCC-- ACCCNGCCNN	
MA0399.1_SUT1	5.6733e-07	GCCCCGCC -CCCCGCG	

MA0283.1_CHA4 8.5656e-07

GGCGGGGC
GGCGGAGN



M89

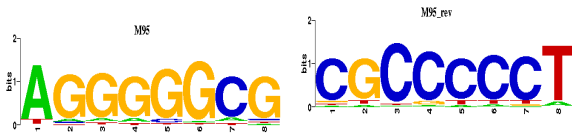


forward

reverse compliment

Name	E value	Alignment	Motif
MA0399.1_SUT1	5.7000e-07	GGCCCCGC- --CCCCGCG	
MA0338.1_MIG2	9.0086e-07	-GCGGGGCC NGYGGGG--	
MA0339.1_MIG3	1.2433e-06	-GCGGGGCC NGYGGGG--	
MA0337.1_MIG1	5.2862e-06	GCGGGGCC SYGGGN-	
MA0039.2_Klf4	7.1267e-06	GGCCCCGC--- -GCCMCRCCCN	

M95



forward

reverse compliment

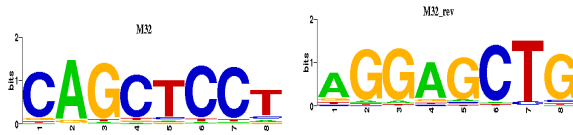
Name	E value	Alignment	Motif
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Stamp Results

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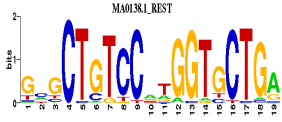
MA0155.1_INSM1	8.4971e-10	CGCCCCCT---- YGCCCCCTGRCA	
MA0139.1_CTCF	2.3906e-08	---CGCCCCCT----- NNSYGCCMCCTRSTGGNNR	
MA0443.1_btd	3.6009e-08	--CGCCCCCT YCCGCCCMCN	
MA0079.2_SP1	1.7329e-07	AGGGGGCG--- -GGGGGNGGGG	
MA0373.1_RPN4	1.1419e-06	AGGGGGCG -GGTGGCG	

M32



forward

reverse compliment

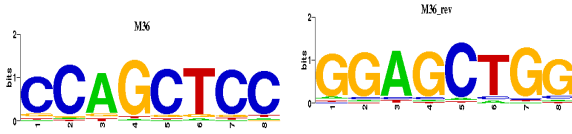
Name	E value	Alignment	Motif
MA0055.1_Myf	1.0645e-04	-AGGAGCTG--- MRGCARCTGCTG	
MA0138.2_REST	1.4791e-04	-----CAGCTCCT NTCAGCACCNNGGACAGCNC-	
MA0048.1_NHLH1	3.2491e-04	-AGGAGCTG--- NCGCAGCTGCGN	
MA0138.1_REST	1.6266e-03	-CAGCTCCT----- TCAGCACCWNGGACAGCNC	

MA0354.1_PDR8 3.0026e-03

-AGGAGCTG
NCGGAGAT-



M36

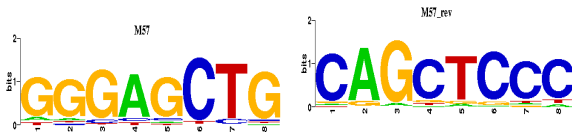


forward

reverse compliment

Name	E value	Alignment	Motif
MA0138.2_REST	9.0558e-05	GGAGCTGG----- GNNGCTGTCCNNGGTGCTGAN	
MA0145.1_Tcfcp2l1	1.2123e-04	-----GGAGCTGG CYGGNTNNRNCYGG	
MA0267.1_ACE2	1.8628e-04	GGAGCTGG- --NGCTGGN	
MA0048.1_NHLH1	2.9788e-04	--GGAGCTGG-- NCGCAGCTGCGN	
MA0055.1_Myf	5.8702e-04	--CCAGCTCC-- CAGCAGYTGCYK	

M57



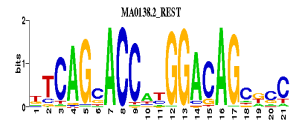
forward

reverse compliment

Name	E value	Alignment	Motif
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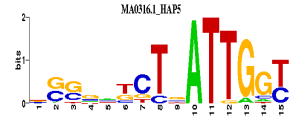
MA0138.2_REST 8.0549e-05

GGGAGCTG-----
-GNNCTGTCCNNGGTGCTGAN



MA0316.1_HAP5 1.2093e-04

-----CAGCTCCC-
ACCAATNAGMNNSSN



MA0048.1_NHLH1 2.3718e-04

-GGGAGCTG---
NCGCAGCTGCGN



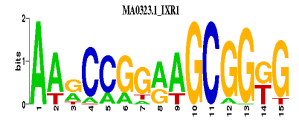
MA0055.1_Myf 2.5108e-04

-GGGAGCTG---
MRGCARCTGCTG

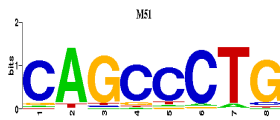


MA0323.1_IXR1 7.5705e-04

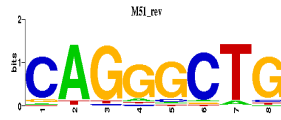
--CAGCTCCC-----
CMCCGCTTCCGGYTT



M51



forward



reverse compliment

Name

E value

Alignment

Motif

MA0403.1_TBF1 9.7658e-05

CAGCCCTG-
-ARCCCTAN



MA0364.1_REI1 1.7647e-04

-CAGGGCTG
NCAGGGG--



MA0366.1_RGM1 1.8253e-03

CAGCCCTG
--CCCCT-



MA0342.1_MSN4 2.1073e-03

CAGGGCTG
-AGGGG--

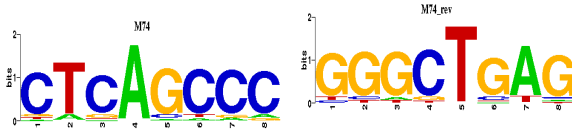


MA0341.1_MSN2 4.3661e-03

CAGCCCTG
--CCCCT--



M74

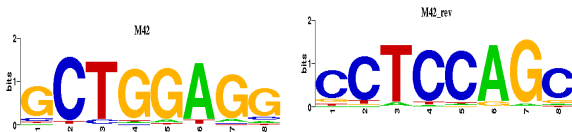


forward

reverse compliment

Name	E value	Alignment	Motif
MA0283.1_CHA4	4.6910e-05	-CTCAGCCC NCTCCGCC-	
MA0150.1_NFE2L2	9.8127e-05	----CTCAGCCC RTGACWNAGCA-	
MA0443.1_btd	7.6368e-04	CTCAGCCC--- -YCCGCCMCN	
MA0065.2_PPARG_RXRA	7.9643e-04	----CTCAGCCC--- TGMCCTTTGNCCYNN	
MA0117.1_Mafb	9.1138e-04	--CTCAGCCC NNNTCAGC--	

M42





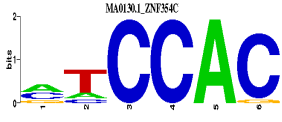
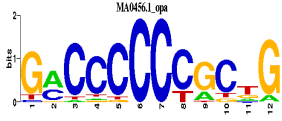
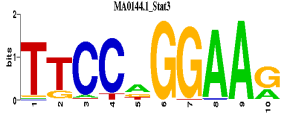
forward

reverse compliment

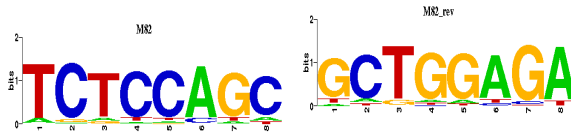
Name	E value	Alignment	Motif
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Stamp Results

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MA0267.1_ACE2	1.8787e-04	-GCTGGAGG NGCTGGN--	
MA0402.1_SWI5	6.3521e-04	CCTCCAGC- -NACCAGCA	
MA0130.1_ZNF354C	1.0304e-03	GCTGGAGG -GTGGAK-	
MA0456.1_opa	4.0799e-03	--CCTCCAGC-- GMCCCCCGCNG	
MA0144.1_Stat3	4.9625e-03	---GCTGGAGG CTTCCNGGAA-	

M82



forward

reverse complement

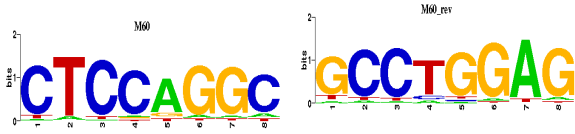
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0267.1_ACE2	1.8142e-04	-GCTGGAGA NGCTGGN--	
MA0344.1_NHP10	2.5047e-04	TCTCCAGC TCCCCGN	
MA0354.1_PDR8	6.6275e-04	-TCTCCAGC ATCTCCGN-	
MA0402.1_SWI5	6.6487e-04	-GCTGGAGA TGCTGGTN-	

MA0432.1_YNR063W 6.8202e-04

-TCTCCAGC
ATCTCCGA-



M60

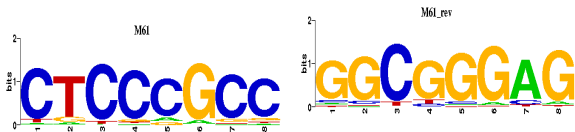


forward

reverse compliment

Name	E value	Alignment	Motif
MA0144.1_Stat3	2.4970e-05	--GCCTGGAG CTTCCNGGAA	
MA0003.1_TFAP2A	3.4249e-04	-CTCCAGGC SCNNNNGGC	
MA0154.1_EBF1	3.9633e-04	-CTCCAGGC- NCCCNAGGGA	
MA0130.1_ZNF354C	9.6504e-04	GCCTGGAG --GTGGAK	
MA0323.1_IXR1	1.9317e-03	-----CTCCAGGC-- CMCCGCTTCCGGYTT	

M61



forward

reverse compliment

Name	E value	Alignment	Motif
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Stamp Results

10/01/13

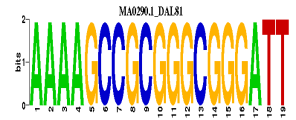
MA0410.1_UGA3 1.4572e-09

CTCCCGCC-
-TCCCGCCN



MA0290.1_DAL81 5.0007e-07

-----GGCGGGAG-
AAAAGCCGCGGGCGGGATT



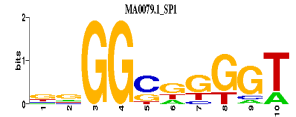
MA0450.1_hkb 2.7095e-05

CTCCCGCC--
-TCACGCCM



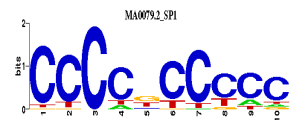
MA0079.1_SP1 1.5121e-04

CTCCCGCC--
ACCCNGCCNN

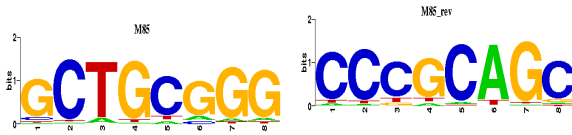


MA0079.2_SP1 1.5520e-04

---GGCGGGAG
GGGGNGGGG-



M85



forward

reverse compliment

Name E value

Alignment

Motif

MA0290.1_DAL81 6.9901e-06

-----CCC GCAGC-----
AATCCCGCCCGGGCTTTT



MA0048.1_NHLH1 8.7912e-05

-----GCTGCGGG
NCGCAGCTGCGN-



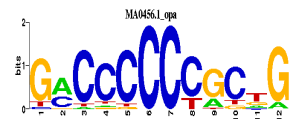
MA0332.1_MET28 1.3789e-04

GCTGCGGG
-CTGTGG-



MA0456.1_opa 1.8976e-04

GCTGCGGG-----
-CNGCGGGGGGKC

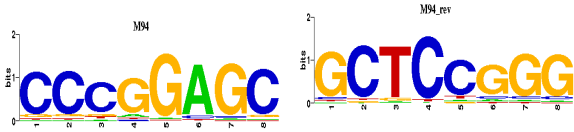


MA0399.1_SUT1 4.3290e-04

-CCC GCAGC
CCCCGCG--



M94

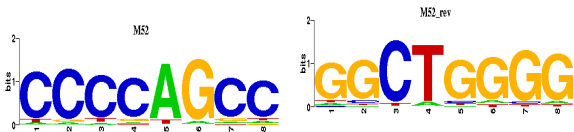


forward

reverse compliment

Name	E value	Alignment	Motif
MA0280.1_CAT8	2.5985e-05	GCTCCGGG -NTCCG-	
MA0275.1_ASG1	3.0712e-05	CCCGGAGC -CCGAW-	
MA0003.1_TFAP2A	3.6768e-05	-CCCGGAGC GCCNNNNGS	
MA0420.1_YBR239C	1.6644e-04	GCTCCGGG GTTCCGRN	
MA0292.1_ECM22	2.0442e-04	GCTCCGGG -NTCCGGA	

M52



forward

reverse compliment

Name	E value	Alignment	Motif
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MA0344.1_NHP10 1.8806e-05

-CCCCAGCC
TCCCCGGN-



MA0039.2_Klf4 2.5351e-05

-CCCCAGCC-
GCCMCRCCCN



MA0079.1_SP1 4.6577e-05

--GGCTGGGG
NNGGCNNGGT



MA0155.1_INSM1 1.3280e-04

---CCCCAGCC-
YGCCCCCTGRCA

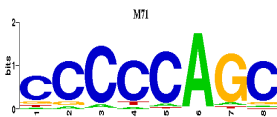


MA0332.1_MET28 1.4756e-04

CCCCAGCC
CCACAG--



M71



forward



reverse compliment

Name

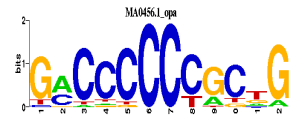
E value

Alignment

Motif

MA0456.1_opa 2.0569e-06

--GCTGGGGG--
CNGCGGGGGK



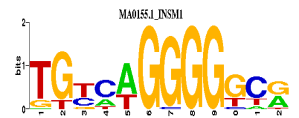
MA0344.1_NHP10 1.5182e-05

GCTGGGGG
NCCGGGGA



MA0155.1_INSM1 3.9454e-05

--CCCCAGC--
YGCCCCCTGRCA



MA0332.1_MET28 1.5061e-04

CCCCAGC
-CCACAG-

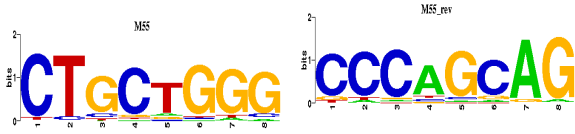


MA0267.1_ACE2 1.8509e-04

-GCTGGGG
NGCTGGN--



M55

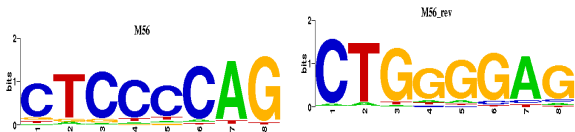


forward

reverse compliment

Name	E value	Alignment	Motif
MA0402.1_SWI5	1.7126e-06	-CCCAGCAG NACCAGCA-	
MA0267.1_ACE2	1.8201e-04	CTGCTGGG -NGCTGGN	
MA0139.1_CTCF	2.6694e-04	-----CTGCTGGG-- NNSYGCCMCTRSTGGNRR	
MA0150.1_NFE2L2	4.5514e-04	CTGCTGGG---- -TGCTNWGTCAY	
MA0287.1_CUP2	6.7058e-04	CCCAGCAG----- --CAGCARAAAWG	

M56






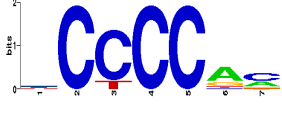

forward

reverse compliment

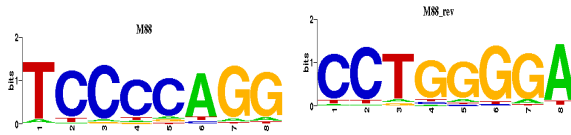
Name	E value	Alignment	Motif
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Stamp Results

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MA0344.1_NHP10	1.7783e-05	CTCCCCAG-- -TCCCCGGN	
MA0056.1_MZF1_1-4	2.1070e-05	CTCCCCAG -TCCCCN-	
MA0332.1_MET28	1.7871e-04	CTCCCCAG --CCACAG	
MA0268.1_ADR1	2.1339e-04	CTGGGGAG KTGGGGN-	
MA0436.1_YPR022C	2.5637e-04	-CTGGGGAG NGTGGGG--	

M88



forward

reverse compliment

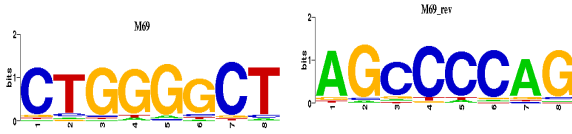
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0154.1_EBF1	2.7698e-06	TCCCCAGG-- NCCCNAGGGA	
MA0056.1_MZF1_1-4	2.0184e-05	TCCCCAGG TCCCN--	
MA0344.1_NHP10	2.2024e-05	TCCCCAGG TCCCCGGN	
MA0332.1_MET28	1.8938e-04	TCCCCAGG -CCACAG-	

MA0436.1_YPR022C 1.9948e-04

CCTGGGGA
NGTGGGG-



M69

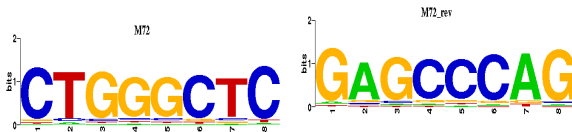


forward

reverse compliment

Name	E value	Alignment	Motif
MA0213.1_brk	1.6828e-05	AGCCCCAG RGCGCCRS	
MA0332.1_MET28	1.3877e-04	CTGGGGCT CTGTGG--	
MA0268.1_ADR1	1.9925e-04	AGCCCCAG -NCCCCAM	
MA0436.1_YPR022C	2.3426e-04	-CTGGGGCT NGTGGGG--	
MA0003.1_TFAP2A	2.4542e-04	--CTGGGGCT SCNNNNGGC-	

M72



forward

reverse compliment

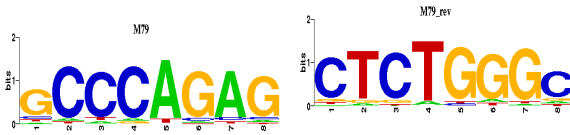
Name	E value	Alignment	Motif
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Stamp Results

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MA0368.1_RIM101	1.0643e-03	CTGGGCTC CTTGGCR-	
MA0163.1_PLAG1	1.5023e-03	-GAGCCCAG----- GGGGCCNAAGGGGG	
MA0320.1_IME1	4.1148e-03	GAGCCCAG CCGCCGAG	
MA0162.1_Egr1	7.5480e-03	---CTGGGCTC NGCGTGGGCGK	
MA0326.1_MAC1	8.2344e-03	-GAGCCCAG YGAGCAAA-	

M79



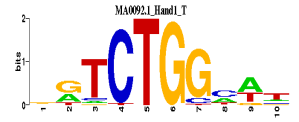
forward

reverse compliment

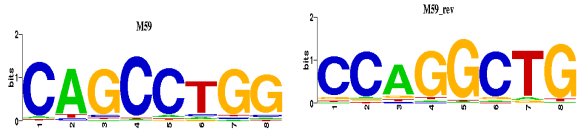
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	1.3850e-04	GCCCAGAG --CCACAG	
MA0083.1_SRF	6.7111e-04	----CTCTGGGC CCATATATGGGC	
MA0368.1_RIM101	9.5303e-04	CTCTGGGC- --CTTGGCR	
MA0362.1_RDS2	1.3591e-03	GCCCAGAG -CCCCGAN	

MA0092.1_Hand1_T 3.0422e-03

-GCCCAGAG-
NWNCCAGAYN



M59

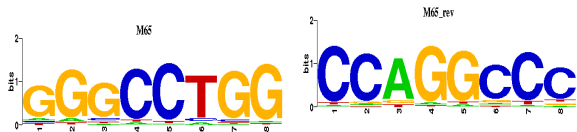


forward

reverse compliment

Name	E value	Alignment	Motif
MA0112.2_ESR1	6.7227e-04	---CCAGGCTG----- RGGTCANNNTGACCTNNNNN	
MA0144.1_Stat3	1.1218e-03	CAGCCTGG-- CTTCNGGAA	
MA0344.1_NHP10	3.8467e-03	--CCAGGCTG TCCCCGN--	
MA0456.1_opa	4.4381e-03	----CCAGGCTG GMCCCCCGCNG	
MA0138.1_REST	5.8994e-03	----CAGCCTGG----- TCAGCACCWNGGACAGCNC	

M65



forward

reverse compliment

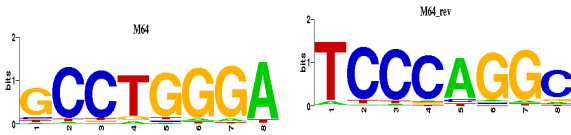
Name	E value	Alignment	Motif
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Stamp Results

10/01/13

MA0450.1_hkb	7.6596e-05	-GGGCCTGG KGGGCGTGA	
MA0039.2_Klf4	1.1725e-04	-GGGCCTGG- NGGGYGKGGC	
MA0146.1_Zfx	7.8819e-04	-GGGCCTGG----- NAGGCCNNGGCNNN	
MA0106.1_TP53	3.4971e-03	CCAGGCC----- ACATGCCCGGGCATGTCCNN	
MA0144.1_Stat3	3.9089e-03	GGGCCTGG-- CTTCCNGGAA	

M64



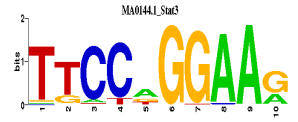
forward

reverse compliment

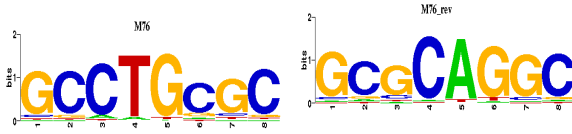
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	5.3340e-09	TCCCAGGC TCCCCGN	
MA0162.1_Egr1	2.6602e-04	--TCCCAGGC- MCGCCCACGCN	
MA0321.1_INO2	2.8467e-04	-TCCCAGGC TTCACATGC	
MA0322.1_INO4	3.0489e-04	-TCCCAGGC TTCACATGC	

MA0144.1_Stat3 3.2245e-04

--GCCTGGGA
CTTCCNGGAA



M76

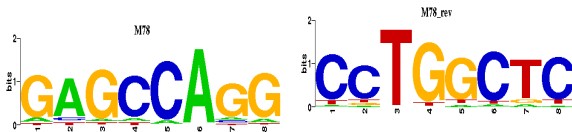


forward

reverse compliment

Name	E value	Alignment	Motif
MA0162.1_Egr1	8.8190e-04	-GCGCAGGC-- NGCGTGGGCGK	
MA0290.1_DAL81	1.7333e-03	-----GCCTGCGC----- AATCCCGCCCCGCGCTTTT	
MA0291.1_DAL82	2.1551e-03	GCGCAGGC- GCGCANWWN	
MA0213.1_brk	2.9143e-03	-GCGCAGGC RGCGCCRS-	
MA0399.1_SUT1	3.7570e-03	GCCTGCGC CCCCGCG-	

M78



forward

reverse compliment

Name	E value	Alignment	Motif
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Stamp Results

10/01/13

MA0213.1_brk 2.8945e-04

-GAGCCAGG
RGCGCCRS-



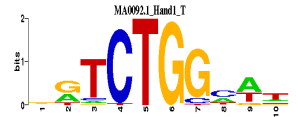
MA0368.1_RIM101 9.9917e-04

CCTGGCTC
CTTGGCR-



MA0092.1_Hand1_T 1.5481e-03

--CCTGGCTC
NRCTGGNWN



MA0099.2_AP1 2.5350e-03

-GAGCCAGG
TGAGTCA--

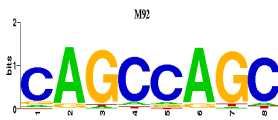


MA0326.1_MAC1 2.6153e-03

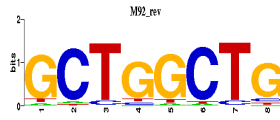
-GAGCCAGG
YGAGCAA-



M92



forward



reverse compliment

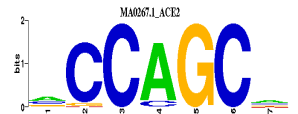
Name E value

Alignment

Motif

MA0267.1_ACE2 1.9247e-04

-GCTGGCTG
NGCTGGN--



MA0402.1_SWI5 6.4519e-04

CAGCCAGC-
-NACCAGCA



MA0373.1_RPN4 1.7697e-03

CAGCCAGC
-CGCCACC



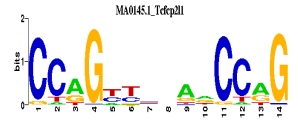
MA0092.1_Hand1_T 2.5050e-03

--GCTGGCTG
NRCTGGNWN

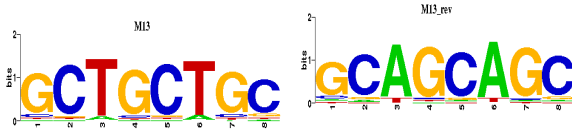


MA0145.1_Tcfcp211 5.6760e-03

GCTGGCTG-----
-CYGGNTNNRNCYGG



M13

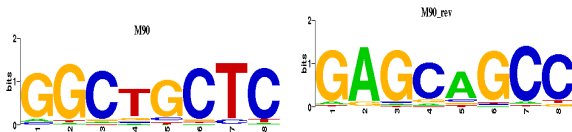


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	2.0298e-07	--GCTGCTGC-- CAGCAGYTGCYK	
MA0048.1_NHLH1	3.9296e-07	--GCTGCTGC-- NCGCAGCTGCGN	
MA0454.1_odd	2.7171e-04	--GCTGCTGC- NTGCTACTGTN	
MA0402.1_SWI5	8.2507e-04	--GCAGCAGC NACCAGCA--	
MA0287.1_CUP2	1.0761e-03	----GCTGCTGC CWTTTYTGCTG-	

M90






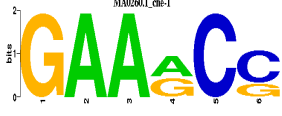

forward

reverse compliment

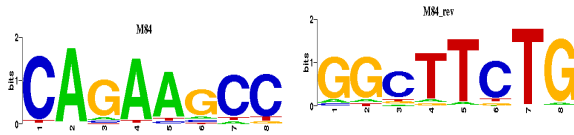
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Stamp Results

10/01/13

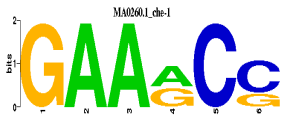



MA0412.1_UME6	4.0004e-04	--GGCTGCTC--- TSGGCGGCTAWWT	
MA0326.1_MAC1	6.6227e-04	-GAGCAGCC YGAGCAAA-	
MA0055.1_Myf	1.1458e-03	----GGCTGCTC CAGCAGYTGCYK	
MA0260.1_che-1	3.3583e-03	GGCTGCTC GGYTTC--	
MA0304.1_GCR1	4.3931e-03	GGCTGCTC GGCTTCCA	

M84



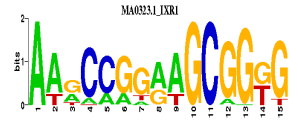
forward

reverse compliment

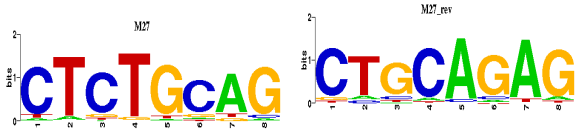
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0260.1_che-1	4.7521e-07	CAGAAGCC --GAARCC	
MA0304.1_GCR1	2.0684e-06	GGCTTCTG GGCTTCCA	
MA0454.1_odd	1.7488e-04	-GGCTTCTG-- NTGCTACTGTN	
MA0305.1_GCR2	1.8794e-04	GGCTTCTG -GCTTCCN	

MA0323.1_IXR1 7.8820e-04

---GGCTTCTG---
CMCCGCTTCCGGYTT



M27

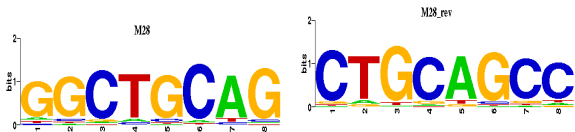


forward

reverse compliment

Name	E value	Alignment	Motif
MA0320.1_IME1	4.7940e-04	CTCTGCAG CTCGGCGG	
MA0150.1_NFE2L2	5.0006e-04	CTGCAGAG---- -TGCTNWTGTCAY	
MA0385.1_SOK2	1.2641e-03	---CTGCAGAG NNNMTGCAKNN	
MA0062.1_GABPA	2.6014e-03	--CTGCAGAG ACCGGAAGNS	
MA0287.1_CUP2	2.8451e-03	---CTCTGCAG CWTTTTYTGCTG	

M28



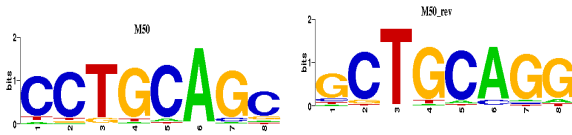
forward

reverse compliment

Name E value Alignment Motif





MA0055.1_Myf	2.8677e-04	CTGCAGCC---- CAGCAGYTGCYK	
MA0385.1_SOK2	8.6560e-04	-GGCTGCAG-- NNNMTGCAKNN	
MA0269.1_AFT1	2.5789e-03	-----GGCTGCAG----- NNNNNNGGGTGCAMTANNNNN	
MA0260.1_che-1	4.1827e-03	GGCTGCAG GGYTTC--	
MA0304.1_GCR1	5.3296e-03	GGCTGCAG GGCTTCCA	

M50



forward

reverse compliment

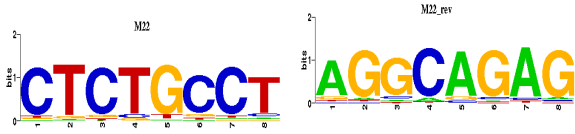
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0324.1_LEU3	1.7437e-04	CCTGCAGC-- CCKNNNCCGG	
MA0055.1_Myf	6.9842e-04	-----GCTGCAGG MRGCARCTGCTG-	
MA0385.1_SOK2	1.0963e-03	--CCTGCAGC- NNNMTGCAKNN	
MA0402.1_SWI5	4.6360e-03	--CCTGCAGC NACCAGCA--	

MA0048.1_NHLH1 6.6643e-03

CCTGCAGC-----
-NCGCAGCTGCGN



M22

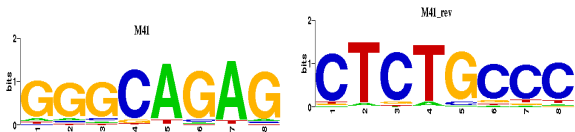


forward

reverse compliment

Name	E value	Alignment	Motif
MA0283.1_CHA4	2.5629e-05	-CTCTGCCT NCTCCGCC-	
MA0065.2_PPARG_RXRA	9.9914e-05	----CTCTGCCT--- TGMCCTTTGNCCYNN	
MA0062.1_GABPA	2.7041e-04	--AGGCAGAG ACCGGAAGNS	
MA0340.1_MOT3	3.2186e-04	CTCTGCCT- ---TRCCTN	
MA0080.2_SPI1	8.4925e-04	CTCTGCCT -ACTTCCT	

M41



forward

reverse compliment

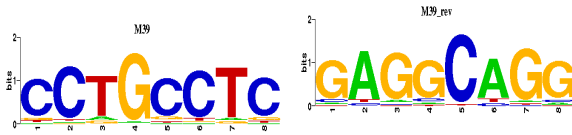
Name	E value	Alignment	Motif
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Stamp Results

10/01/13

MA0065.2_PPARG_RXRA	1.1358e-07	----CTCTGCCC-- TGMCCTTTGNCCYNN	
MA0283.1_CHA4	4.1944e-05	-CTCTGCCC NCTCCGCC-	
MA0114.1_HNF4A	6.5569e-05	----CTCTGCCC- TGNMCTTTGNNCY	
MA0140.1_Tal1_Gata1	1.2634e-04	---CTCTGCCC----- NTTATCTNNNNNNNNCNN	
MA0123.1_abi4	3.9893e-04	CTCTGCCC-- CGSYGCNNCN	

M39



forward

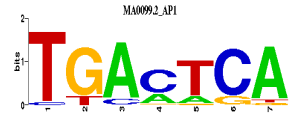
reverse compliment

Name	E value	Alignment	Motif
MA0340.1_MOT3	2.6383e-04	CCTGCCTC --TRCCTN	
MA0149.1_EWSR1-FLI1	1.2939e-03	----CCTGCCTC----- CCTTCCTTCCTTCCTTC	
MA0080.2_SPI1	1.3798e-03	CCTGCCTC ACTTCCT-	
MA0079.2_SP1	1.3798e-03	-GAGGCAGG- GGGGNGGGG	

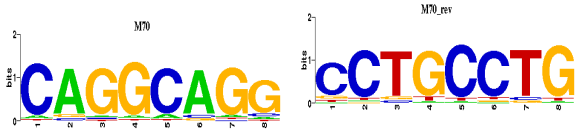
MA0099.2_AP1

1.3877e-03

-GAGGCAGG
TGAGTCA--



M70

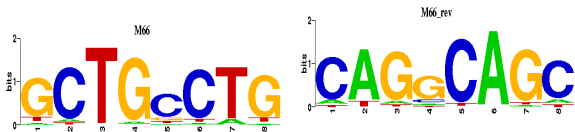


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0340.1_MOT3	2.7259e-05	CCTGCCTG --TRCCTN	
MA0144.1_Stat3	1.8476e-04	CCTGCCTG--- -CTTCCNGGAA	
MA0156.1_FEV	2.2110e-04	CCTGCCTG AYTTCCTG	
MA0026.1_Eip74EF	6.9840e-04	CCTGCCTG -YTTCCGG	
MA0080.2_SPI1	7.8850e-04	CCTGCCTG ACTTCCT-	

M66



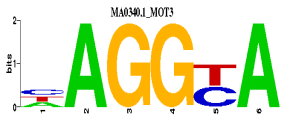
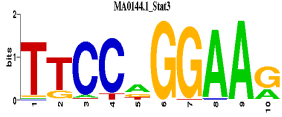



forward

reverse compliment

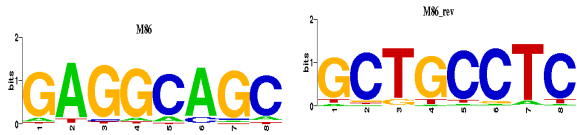
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Stamp Results

10/01/13



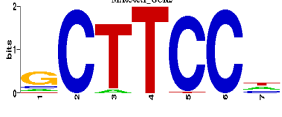

MA0340.1_MOT3	1.6928e-05	GCTGCCTG --TRCCTN	
MA0144.1_Stat3	2.9108e-04	GCTGCCTG--- -CTTCCNGGAA	
MA0156.1_FEV	4.5158e-04	GCTGCCTG AYTTCCTG	
MA0055.1_Myf	5.7385e-04	-----GCTGCCTG CAGCAGYTGCK-	
MA0305.1_GCR2	1.3574e-03	GCTGCCTG GCTTCN-	

M86



forward

reverse compliment

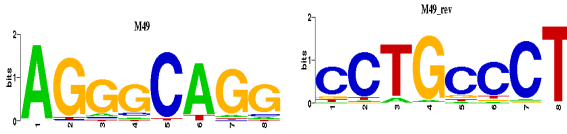
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0123.1_abi4	1.4029e-04	-GCTGCCTC- CGSYGCNNCN	
MA0340.1_MOT3	3.5375e-04	GCTGCCTC --TRCCTN	
MA0305.1_GCR2	7.6486e-04	GAGGCAGC -NGGAAGC	
MA0080.2_SPI1	8.4037e-04	GCTGCCTC ACTTCCT-	

MA0055.1_Myf 9.2036e-04

-----GCTGCCCTC
CAGCAGYTGCK-



M49

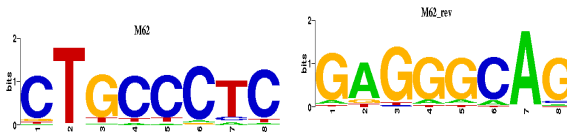


forward

reverse compliment

Name	E value	Alignment	Motif
MA0112.2_ESR1	7.1155e-06	AGGGCAGG----- RGGTCANNNTGACCTNNNNN	
MA0039.1_Klf4	4.6926e-04	CCTGCCCT-- CCTTYYYTNN	
MA0065.2_PPARG_RXRA	6.4958e-04	-----CCTGCCCT-- TGMCCTTGNCCYNN	
MA0079.2_SP1	7.7250e-04	-CCTGCCCT- CCCCNCCCCC	
MA0258.1_ESR2	8.4689e-04	-----CCTGCCCT-- NAGGNCANNNTGACCYNN	

M62



forward

reverse compliment

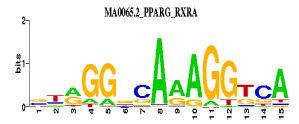
Name	E value	Alignment	Motif
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Stamp Results

10/01/13

MA0065.2_PPARG_RXRA 5.3492e-04

-----CTGCCCTC-
TGMCCTTTGNCCYNN



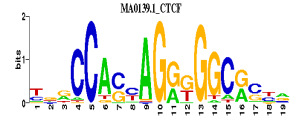
MA0140.1_Tal1_Gata1 8.0573e-04

-----CTGCCCTC-----
NTTATCTNNNNNNNNCNN



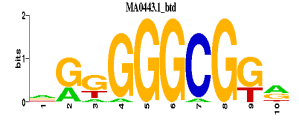
MA0139.1_CTCF 8.8970e-04

--CTGCCCTC-----
NNSYGCCMCCTRSTGGNNR



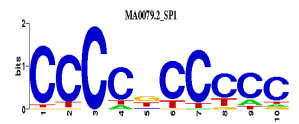
MA0443.1_btd 1.1433e-03

-CTGCCCTC-
YCCGCCCMCN

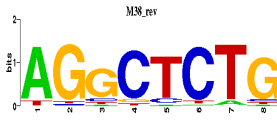
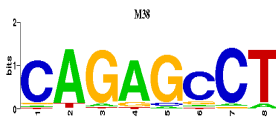


MA0079.2_SP1 1.1616e-03

GAGGGCAG--
GGGGGNGGGG



M38



forward

reverse compliment

Name

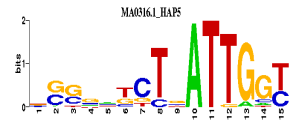
E value

Alignment

Motif

MA0316.1_HAP5 6.9692e-04

-----CAGAGCCT-
ACCAATNAGMNNSSN



MA0451.1_kni 1.0878e-02

AGGCTCTG----
NTGCTCTANTTT



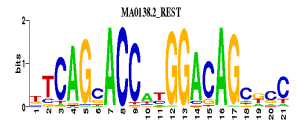
MA0053.1_MNB1A 1.2993e-02

CAGAGCCT
-AAAGN--



MA0138.2_REST 1.3771e-02

AGGCTCTG-----
-GNNGCTGTCCNNGGTGCTGAN



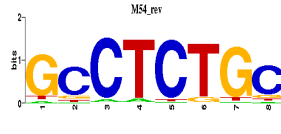
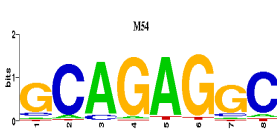
MA0064.1_PBF

1.6500e-02

CAGAGCCT
-AAAGY--



M54



forward

reverse compliment

Name

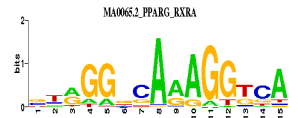
E value

Alignment

Motif

MA0065.2_PPARG_RXRA 9.3692e-05

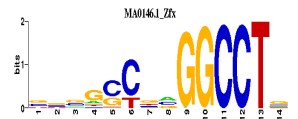
--GCCTCTGC-----
TGMCCTTTGNCCYNN



MA0146.1_Zfx

5.2386e-04

---GCAGAGGC---
NNGGCCNNGGCTN



MA0364.1_REI1

1.2763e-03

GCCTCTGC
-CCCCTGN



MA0048.1_NHLH1

1.7173e-03

--GCCTCTGC--
NCGCAGCTGCGN



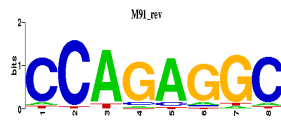
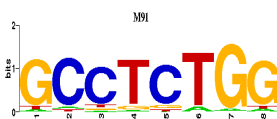
MA0150.1_NFE2L2

2.8367e-03

-GCAGAGGC--
TGCTNwGTCAY



M91



forward

reverse compliment

Name

E value

Alignment

Motif

Stamp Results

10/01/13

MA0332.1_MET28 1.3356e-04

CCAGAGGC
CCACAG--



MA0370.1_RME1 3.3946e-04

-GCCTCTGG-
TNCCTTTNNA



MA0278.1_BAS1 3.8532e-04

-----GCCTCTGG-----
NNNWNNTGACTCNGGCYNNNN

MA0081.1_SPIB 1.2619e-03

CCAGAGGC-
--ASMGGAA



MA0364.1_REI1 1.5830e-03

GCCTCTGG
-CCCCTGN



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