

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

Input file: 81 motifs loaded

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

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

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

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Multiple Alignment

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

```

M0 : -----GGGGGGGGGGGGGG-----
M1 : -----AAAAAAAAAAAAAAAAATA-----
M2 : -----GGGAGGAGGG-----
M3 : -----GGGGCTGGG-----
M4 : -----GGGGGGGGGAGGGAGGGAG-----
M5 : TGTGTGTGTGTGTGTGTGTG-----
M6 : -----TGGGGAGGGGG-----
M7 : -----CCCAGCAGG-----
M8 : -----GGGGGAGGGGAG-----
M9 : -----GGGGGTGGGGGTGGGGGGGGG-----
M10 : -----AGAGAGAGA-----
M11 : -----GGAAGGAAGGAAG-----
M12 : -----CACAGCAGG-----
M13 : -----CCAGGNAGA-----
M14 : -----AGGGGAGGG-----
M15 : -----AGAGAGAGAA-----
M16 : -----GGGGGTGGGGTGGGGG-----
M17 : -----AAGCAGAGG-----
M18 : -----CAGAGAAGA-----
M19 : -----CCTGGGGAA-----
M20 : -----AGAGGMAGA-----
M21 : -----AAGCCACAG-----
M22 : -----AAGGMAGGC-----

```

Stamp Results

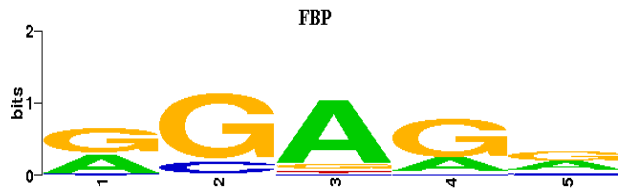
04/30/14

M23: -----AGGAAGCWG-----
M24: -----GGGGAGGGGSAGG-----
M25: -----AGAAGGMAGAA-----
M26: -----CAGAGGNAG-----
M27: -----CACACAGCA-----
M28: -----AAAGGCAGA-----
M29: -----AGGAGAAAGAAA-----
M30: -----AAAAAAAAAGAAAGAAAAAAAAAAAA-----
M31: -----STGGGTGGG-----
M32: -----AGGGAAAGGAA-----
M33: -----AAAAGAAAAGAAAA-----
M34: -----AGAGAAAGGA-----
M35: -----GRAGCCAGG-----
M36: -----AAAAGGAAAA-----
M37: -----CACAGAGGGAA-----
M38: -----AGAGCTGAG-----
M39: -----AATTTTTTTTTTAAAAAAAAAATTT-----
M40: -----AAAGAGAAAA-----
M41: -----AGAAACAGAAA-----
M42: -----AGGGNAGCC-----
M43: -----CAGAAGAGA-----
M44: -----AAGMAGAGAGGA-----
M45: -----AAAAGGAAAMAAAAAAAAAAAA-----
M46: -----AAAAAAAAACAAACAAAAAAAAAAAA-----
M47: -----AAAAACAAAGGNAA-----
M48: -----AGGAMAGAG-----
M49: -----ACAGACAGAA-----
M50: -----AAAGRCAAAG-----
M51: -----AAAAAAAAACAAACAAAAAAAAAAAA-----
M52: -----CACAGAGRCT-----
M53: -----AGAGGGMAG-----
M54: -----CTGGGAGAAG-----
M55: -----TGGCAGCTG-----
M56: -----GGAAGGG-----
M57: -----CAGGCAG-----
M58: -----CTGGGAG-----
M59: -----GGCAGAG-----
M60: -----AGCAGCA-----
M61: -----AGCCCAG-----
M62: -----GGGTGTG-----
M63: -----CAGAGCCM-----
M64: -----CCAGGCTG-----
M65: -----CTGCAGRG-----

```

M66: -----TGGGTGG-----
M67: -----AGGAGAG-----
M68: -----AGGANAG-----
M69: -----CACAGAGA-----
M70: -----CAGAGCC-----
M71: -----TGGGGMAG-----
M72: -----AGAGMAG-----
M73: -----GCCAGCAG-----
M74: -----CAGCCACA-----
M75: -----CAGGGACM-----
M76: -----AGGAAATG-----
M77: -----AGGGAGAA-----
M78: -----AAAAGGAA-----
M79: -----AAGGGAAG-----
M80: -----CAGAAACA-----
    
```

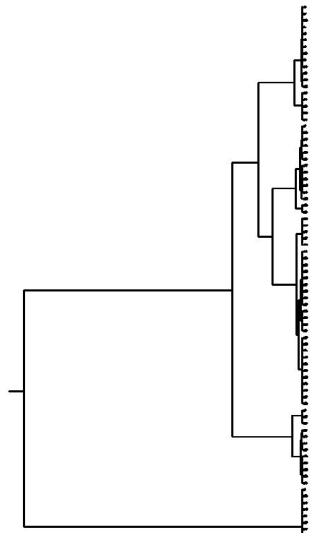
Familial Profile:
[\(click for matrix\)](#)



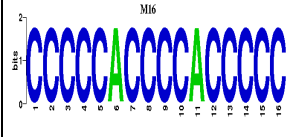

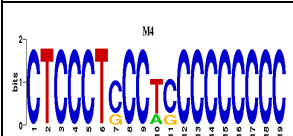

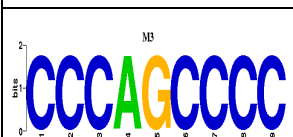
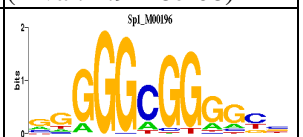

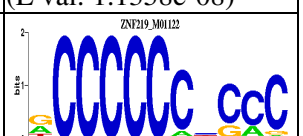
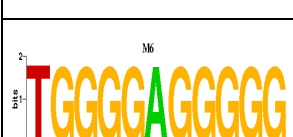
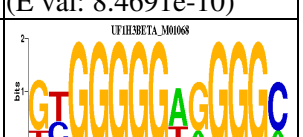
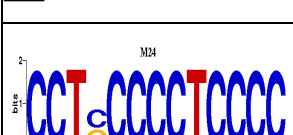
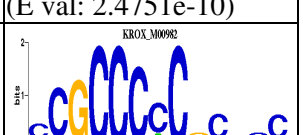

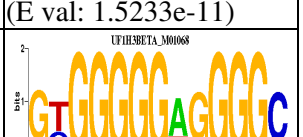
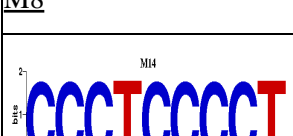

Motif Tree







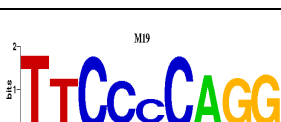
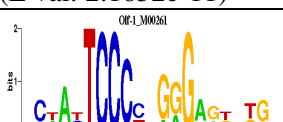
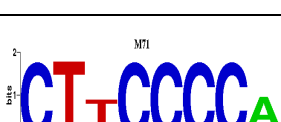






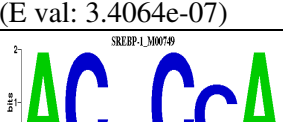
Tree (drawn by [Phylip](#))

















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



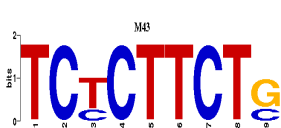
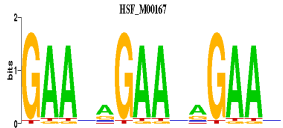
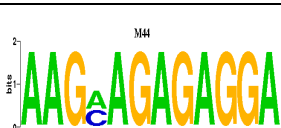
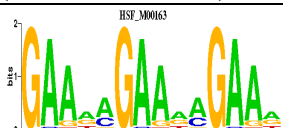




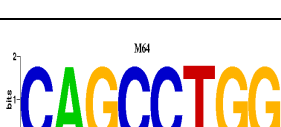
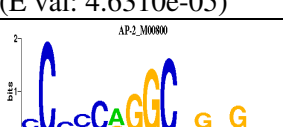



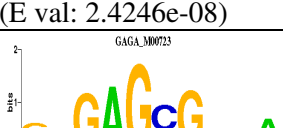




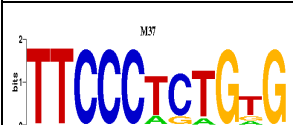

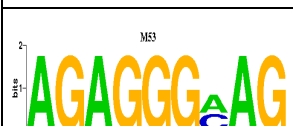
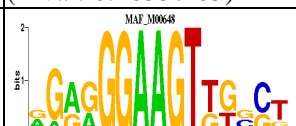
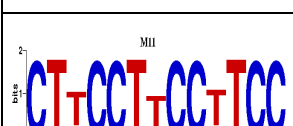

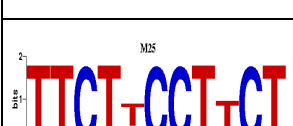




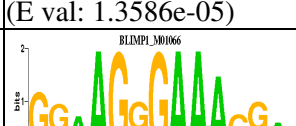
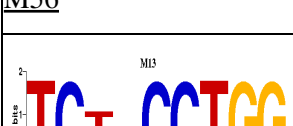

Input Motif	Best match in TRANSFAC
<p>M0</p>	<p>ZNF219_M0112 (E val: 7.1418e-12)</p>
<p>M9</p>	<p>UF1H3BETA_M01068 (E val: 2.2147e-12)</p>



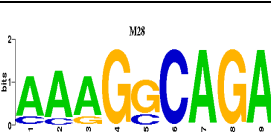





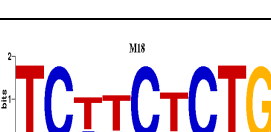


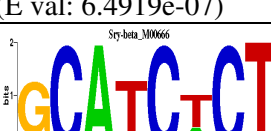


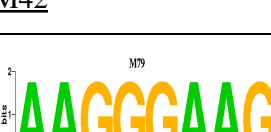
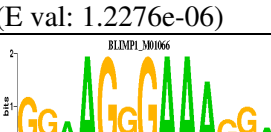
 <p>M16</p>	 <p>RREB-1_M00257 (E val: 2.7797e-12)</p>
 <p>M4</p>	 <p>MAZ_M00649 (E val: 1.9218e-08)</p>
 <p>M3</p>	 <p>Sp1_M00196 (E val: 1.1358e-08)</p>
 <p>M2</p>	 <p>ZNF219_M01122 (E val: 8.4691e-10)</p>
 <p>M6</p>	 <p>UF1H3BETA_M01068 (E val: 2.4751e-10)</p>
 <p>M24</p>	 <p>KROX_M00982 (E val: 1.5233e-11)</p>
 <p>M8</p>	 <p>UF1H3BETA_M01068 (E val: 7.6150e-13)</p>
 <p>M14</p>	 <p>MAZ_M00649 (E val: 1.2272e-10)</p>






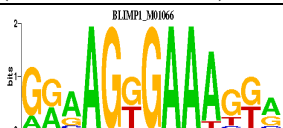


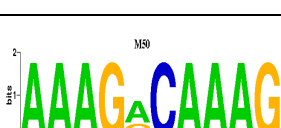

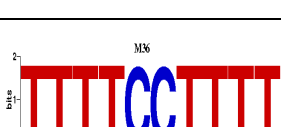
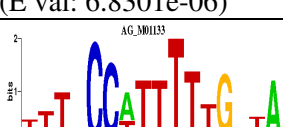

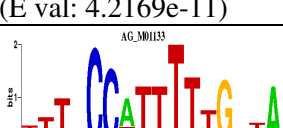

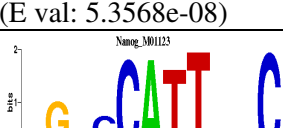
<p>M31</p>  <p>M31</p>	<p>GLI_M01037</p>  <p>GLI_M01037 (E val: 6.9024e-09)</p>
<p>M66</p>  <p>M66</p>	<p>GLI_M01037</p>  <p>GLI_M01037 (E val: 9.6017e-10)</p>
<p>M62</p>  <p>M62</p>	<p>CACD_M01113</p>  <p>CACD_M01113 (E val: 2.1652e-11)</p>
<p>M19</p>  <p>M19</p>	<p>Olf-1_M00261</p>  <p>Olf-1_M00261 (E val: 2.2067e-08)</p>
<p>M71</p>  <p>M71</p>	<p>PU.1_M00658</p>  <p>PU.1_M00658 (E val: 2.8211e-06)</p>
<p>M54</p>  <p>M54</p>	<p>Lyf-1_M00141</p>  <p>Lyf-1_M00141 (E val: 6.4738e-07)</p>
<p>M58</p>  <p>M58</p>	<p>Lyf-1_M00141</p>  <p>Lyf-1_M00141 (E val: 3.4064e-07)</p>
<p>M61</p>  <p>M61</p>	<p>SREBP-1_M00749</p>  <p>SREBP-1_M00749 (E val: 2.5218e-04)</p>




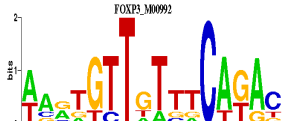
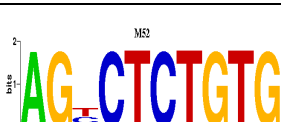
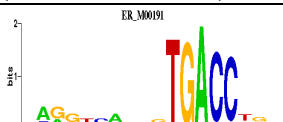







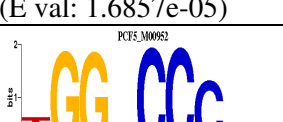
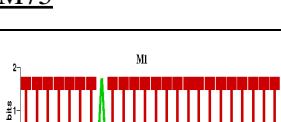
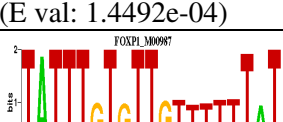
 <p>M7</p>	 <p>HEB_M00698 (E val: 3.5202e-08)</p>
 <p>M12</p>	 <p>HEB_M00698 (E val: 3.5202e-08)</p>
 <p>M73</p>	 <p>LMAF_M01139 (E val: 2.0716e-06)</p>
 <p>M60</p>	 <p>KAISO_M01119 (E val: 2.7998e-05)</p>
 <p>M23</p>	 <p>c-Ets-1_M00743 (E val: 9.1470e-09)</p>
 <p>M55</p>	 <p>AP-4_M00927 (E val: 2.6064e-08)</p>
 <p>M17</p>	 <p>TAL1_M00993 (E val: 9.4363e-06)</p>
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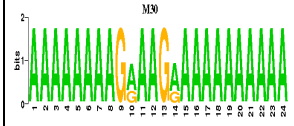
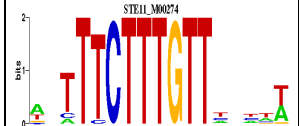
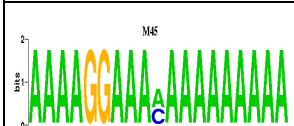
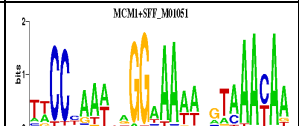
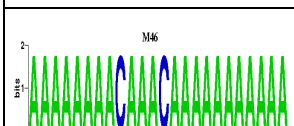
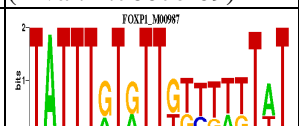
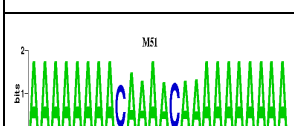
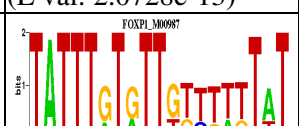
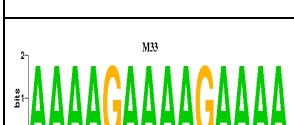


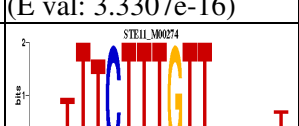
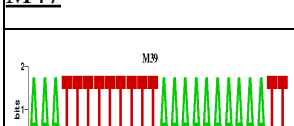
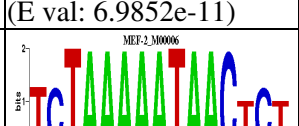
 <p>M65</p>	 <p>LMAF_M01139 (E val: 7.9414e-05)</p>
 <p>M43</p>	 <p>HSF_M00167 (E val: 2.6656e-06)</p>
 <p>M44</p>	 <p>HSF_M00163 (E val: 5.1062e-05)</p>
 <p>M38</p>	 <p>CDC5_M00361 (E val: 4.9237e-06)</p>
 <p>M35</p>	 <p>BRK_M01096 (E val: 4.6310e-05)</p>
 <p>M64</p>	 <p>AP-2_M00800 (E val: 4.9388e-05)</p>
 <p>M10</p>	 <p>GAGA_M00723 (E val: 2.4246e-08)</p>
 <p>M15</p>	 <p>GAGA_M00723 (E val: 1.4679e-07)</p>

<p>M77</p> 	<p>MZF1_M00084 (E val: 2.0464e-06)</p> 
<p>M37</p> 	<p>AREB6_M00412 (E val: 6.2033e-05)</p> 
<p>M53</p> 	<p>MAF_M00648 (E val: 4.0931e-08)</p> 
<p>M11</p> 	<p>PU.1_M00658 (E val: 1.0236e-05)</p> 
<p>M25</p> 	<p>Tel-2_M00678 (E val: 9.1599e-06)</p> 
<p>M22</p> 	<p>Ets_M00971 (E val: 1.3586e-05)</p> 
<p>M56</p> 	<p>BLIMP1_M01066 (E val: 5.9213e-07)</p> 
<p>M13</p> 	<p>Tel-2_M00678 (E val: 1.2193e-07)</p> 

 <p>M57</p>	 <p>Tel-2_M00678 (E val: 7.4528e-06)</p>
 <p>M28</p>	 <p>PBF_M01130 (E val: 8.5643e-06)</p>
 <p>M20</p>	 <p>PU.1_M00658 (E val: 3.9174e-09)</p>
 <p>M26</p>	 <p>PU.1_M00658 (E val: 2.6051e-08)</p>
 <p>M18</p>	 <p>GATA-2_M00349 (E val: 6.4919e-07)</p>
 <p>M72</p>	 <p>Sry-beta_M00666 (E val: 2.8409e-05)</p>
 <p>M42</p>	 <p>NF-kappaB_M00051 (E val: 1.2276e-06)</p>
 <p>M79</p>	 <p>BLIMP1_M01066 (E val: 9.8582e-07)</p>

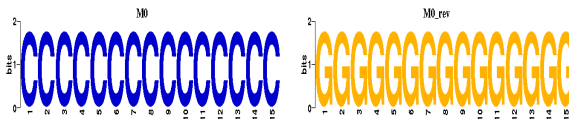
<p>M29</p>  <p>M29</p>	<p>STE11_M01005</p>  <p>STE11_M01005 (E val: 5.5925e-09)</p>
<p>M32</p>  <p>M32</p>	<p>BLIMP1_M01066</p>  <p>BLIMP1_M01066 (E val: 4.0677e-11)</p>
<p>M34</p>  <p>M34</p>	<p>BLIMP1_M01066</p>  <p>BLIMP1_M01066 (E val: 2.5423e-08)</p>
<p>M40</p>  <p>M40</p>	<p>IRF_M00972</p>  <p>IRF_M00972 (E val: 1.5909e-09)</p>
<p>M50</p>  <p>M50</p>	<p>LEF1_M00805</p>  <p>LEF1_M00805 (E val: 6.8301e-06)</p>
<p>M36</p>  <p>M36</p>	<p>AG_M01133</p>  <p>AG_M01133 (E val: 4.2169e-11)</p>
<p>M78</p>  <p>M78</p>	<p>AG_M01133</p>  <p>AG_M01133 (E val: 5.3568e-08)</p>
<p>M76</p>  <p>M76</p>	<p>Nanog_M01123</p>  <p>Nanog_M01123 (E val: 1.3358e-07)</p>







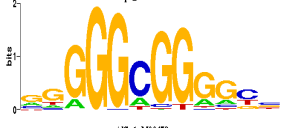



 <p>M41</p>	 <p>DMRT5_M01150 (E val: 7.8152e-06)</p>
 <p>M80</p>	 <p>FOXP3_M00992 (E val: 1.2033e-05)</p>
 <p>M52</p>	 <p>ER_M00191 (E val: 3.1828e-05)</p>
 <p>M69</p>	 <p>SEF-1_M00214 (E val: 1.2758e-05)</p>
 <p>M63</p>	 <p>LF-A1_M00646 (E val: 2.0956e-05)</p>
 <p>M70</p>	 <p>LF-A1_M00646 (E val: 1.6857e-05)</p>
 <p>M75</p>	 <p>PCF5_M00952 (E val: 1.4492e-04)</p>
 <p>M1</p>	 <p>FOXP1_M00987 (E val: 2.0728e-13)</p>

 <p>M30</p>	 <p>STE11_M00274 (E val: 1.8281e-10)</p>
 <p>M45</p>	 <p>MCM1+SFF_M01051 (E val: 1.7607e-09)</p>
 <p>M46</p>	 <p>FOXP1_M00987 (E val: 2.0728e-13)</p>
 <p>M51</p>	 <p>FOXP1_M00987 (E val: 1.1102e-16)</p>
 <p>M33</p>	 <p>HSF_M00163 (E val: 3.3307e-16)</p>
 <p>M47</p>	 <p>STE11_M00274 (E val: 6.9852e-11)</p>
 <p>M39</p>	 <p>MEF-2_M00006 (E val: 1.0134e-06)</p>

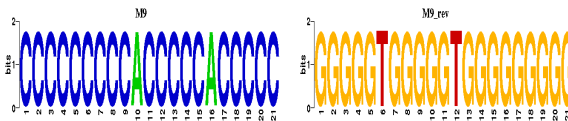
Motif Similarity Matches

M0



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	7.1418e-12	GGGGGGGGGGGGGGGG GGNGGGGGGGN----	
KROX_M00982	8.3241e-11	GGGGGGGGGGGGGGGG GNNGGGGGGGCGG--	
MAZR_M00491	2.1929e-08	---GGGGGGGGGGGGGGG SGGSGGGGGGGGMNN---	
UF1H3BETA_M01068	1.1081e-07	-CCCCCCCCCCCCCCC GCCCTCCCCRC---	
RREB-1_M00257	1.0029e-06	GGGGGGGGGGGGGGGG GGGTGGTTTGGG--	
AtMYB-84_M00970	1.2987e-05	GGGGGGGGGGGGGGGG GNGGTAGGTGS---	
Sp1_M00196	5.9103e-05	--CCCCCCCCCCCCCCC NNCCCCGCCCN-----	
Alfin1_M00479	8.9762e-05	CCCCCCCCCCCCCCCC MNNCCCCACNYNYN-	
Sp1_M00931	9.1545e-05	-CCCCCCCCCCCCCCCC NCCCCGCC-----	
Sp1_M00933	1.7298e-04	-CCCCCCCCCCCCCCCC C-CCKCCCN-----	

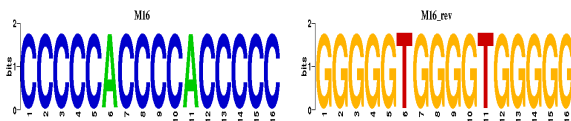
M9



forward *reverse compliment*

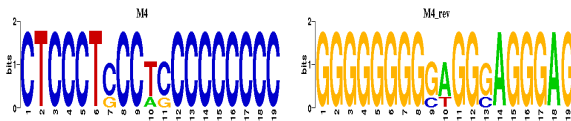
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	2.2147e-12	CCCCCCCCACCCCCACCCCC ----GCCCTCCCCRC----	
KROX_M00982	1.0196e-11	GGGGTGGGGTGGGGGGGG -GNNGGGGGGCGG-----	
GBF_M00633	1.0563e-09	CCCCCCCCACCCCCACCCCC -----NACCCNA-----	
Alfin1_M00479	1.5622e-09	CCCCCCCCACCCCCACCCCC- -----MNNCCCCACNYNYN	
AtMYB-84_M00970	3.4967e-08	CCCCCCCCACCCCCACCCCC ---SCACCTACCNC-----	
ZNF219_M01122	6.1717e-08	GGGGTGGGGTGGGGGGGG -----GGNGGGGGGN--	
MAZR_M00491	2.0191e-07	GGGGTGGGGTGGGGGGGG--- -----SGGGGGGGMNN	
RREB-1_M00257	4.5017e-07	GGGGTGGGGTGGGGGGGG -----GGGTGGTTTGG-	
CAC-binding_M00720	9.8046e-07	GGGGTGGGGTGGGGGGGG -RGGSTGGG-----	
Pax-4_M00380	7.3488e-06	GGGGTGGGGTGGGGGGGG----- -NGNGTGNNNNNNNNNNNNNNTAWTTN	

M16



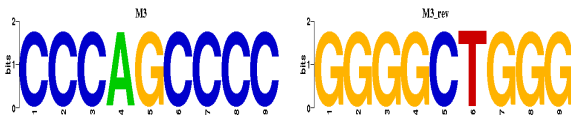
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
RREB-1_M00257	2.7797e-12	GGGGGTGGGGTGGGGG -GGGGTGGTTTGGG--	
Pax-4_M00380	2.6371e-09	GGGGGTGGGGTGGGGG----- -NGNGTGNNNNNNNNNNNNNNNNNTAWTTTN	
UF1H3BETA_M01068	2.5488e-08	CCCCACCCACCC-- -----GCCCTCCCCRC	
KROX_M00982	2.6869e-08	GGGGGTGGGGTGGGGG -GNNGNGGGGGCG--	
ZNF219_M01122	3.8145e-08	GGGGGTGGGGTGGGGG GGGNGGGGGN-----	
SREBP-1_M00221	6.0551e-08	GGGGGTGGGGTGGGGG ----GTGGGGTGAT--	
CAC-binding_M00720	3.5705e-07	GGGGGTGGGGTGGGGG -RGGSTGGG-----	
Alfin1_M00479	6.3427e-07	CCCCACCCACCC-- ---MNNCCCCACNYNYN	
GBF_M00633	1.1389e-06	CCCCACCCACCC-- -----NACCCNA	
SREBP-1_M00749	1.8016e-06	GGGGGTGGGGTGGGGG -----TGSGT-----	











M4



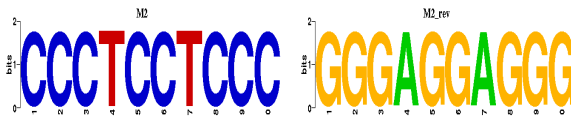
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAZ_M00649	1.9218e-08	CTCCCTCCCTCCCCCCCC --CCCTCC-----	
TFII-I_M00706	2.5536e-08	CTCCCTCCCTCCCCCCCC ---CCTMCNTC-----	
UF1H3BETA_M01068	5.2308e-08	CTCCCTCCCTCCCCCCCC ----GCCCCCCCCRC--	
MAZR_M00491	5.7846e-08	CTCCCTCCCTCCCCCCCC -----NNKCCCCCCCCS	
ZNF219_M01122	8.6351e-08	-GGGGGGGGGAGGGAGGGAG GGGNGGGGGGN-----	
KROX_M00982	6.6652e-07	-GGGGGGGGGAGGGAGGGAG GNNNGGGGGCGG-----	
RREB-1_M00257	3.1021e-06	GGGGGGGGGAGGGAGGGAG GGGGTGGTTTGGG-----	
CAC-binding_M00720	5.6430e-06	CTCCCTCCCTCCCCCCCC -----CCASCY-----	
Pax-4_M00380	7.8839e-06	-----CTCCCTCCCTCCCCCCCC NAAAWTANNNNNNNNNNNNNNNNCACNCN	
AtMYB-84_M00970	1.3039e-05	GGGGGGGGGAGGGAGGGAG GGNGGTAGGTGS-----	











M3



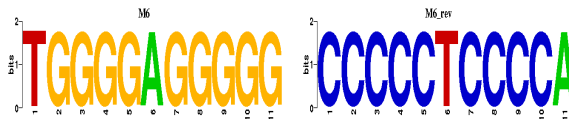
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Sp1_M00196	1.1358e-08	--CCCAGCCCC-- NNCCCCGCCCCN	
CAC-binding_M00720	4.6486e-08	GGGGCTGGG -RGGSTGGG	
KROX_M00982	5.7592e-08	----CCCAGCCCC CCGCCCCCNCNCC	
GC_M00255	2.3048e-07	---CCCAGCCCC-- NNGCCCCGCCCCNN	
Sp1_M00931	3.8973e-07	-CCCAGCCCC NCCCCGCC-	
Sp1_M00933	5.9523e-07	-GGGGCTGGG NGGGMGGG-	
UF1H3BETA_M01068	4.9751e-06	--CCCAGCCCC-- GCCCCCTCCCCRC	
Sp1_M00932	9.5369e-06	--CCCAGCCCC-- NNCCCCGCCCCNN	
Alfin1_M00479	3.3233e-05	----CCCAGCCCC-- MNNCCCCACNYNYN	
Dde_M00304	8.2373e-05	GGGGCTGGG-- --GGCTGAGC	







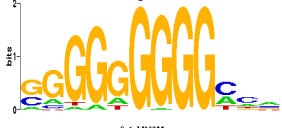

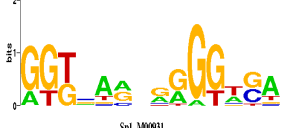

M2



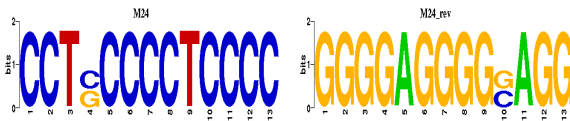
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ZNF219_M01122	8.4691e-10	GGGAGGAGGG- GGNGGGGGGN	
UF1H3BETA_M01068	4.1795e-07	--CCCTCCTCCC- GCCCTCCCCRC	
MAZ_M00649	1.6668e-06	CCCTCCTCCC CCCTCCC---	
VDR_M00444	4.9768e-06	---CCCTCCTCCC- TSWCCYYNYTMCC	
Tra-1_M01048	1.6910e-05	CCCTCCTCCC ---ACCWCCC	
PU.1_M00658	3.1639e-05	GGGAGGAGGG --GAGGAAG-	
TFII-I_M00706	8.9780e-05	CCCTCCTCCC-- ----CCTMCNTC	
Alfin1_M00479	1.7235e-04	----CCCTCCTCCC MNNCCCCACNYYN	
AtMYB-15_M00969	2.2243e-04	---GGGAGGAGGG NACGGTAGGTGG-	
AtMYB-84_M00970	2.8078e-04	GGGAGGAGGG-- GGNGGTAGGTGS	

M6



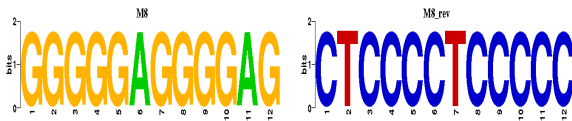
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	2.4751e-10	CCCCCTCCCCA-- GCCCTCCCCRC	
ZNF219_M01122	4.6855e-10	TGGGGAGGGGG-- --GGGNGGGGGGN	
MAZ_M00649	8.6829e-10	CCCCCTCCCCA --CCCTCCC--	
KROX_M00982	4.5100e-09	TGGGGAGGGGG--- -GNNGNGGGGGCGG	
Sp3_M00665	2.5600e-08	----TGGGGAGGGGG SMCTTGGGSRGGG--	
Sp1_M00196	1.8742e-07	-CCCCCTCCCCA NNCCCCGCCCCN	
MAZR_M00491	5.3263e-07	TGGGGAGGGGG-- -SGGGGGGGGMNN	
Sp1_M00933	8.1515e-07	CCCCCTCCCCA --CCCKCCCCN	
VDR_M00444	1.3037e-06	----CCCCCTCCCCA TSWCCYYNYTNMCC-	
Sp1_M00931	1.3356e-06	CCCCCTCCCCA NCCCCGCC--	

M24



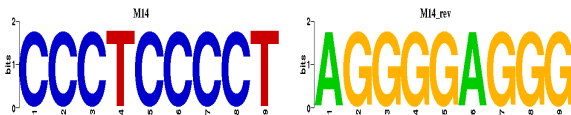
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KROX_M00982	1.5233e-11	GGGGAGGGGSAGG GNNNGGGGGGCGG	
UF1H3BETA_M01068	7.8372e-10	CCTSCCCCTCCCC--- ---GCCCTCCCCRC	
MAZ_M00649	2.5761e-09	CCTSCCCCTCCCC -----CCCTCCC-	
ZNF219_M01122	9.0633e-08	GGGGAGGGGSAGG -GGNGGGGGGN-	
GC_M00255	1.6499e-06	CCTSCCCCTCCCC- -NNGCCCCGCCNN	
Sp1_M00196	2.1839e-06	CCTSCCCCTCCCC- --NNCCCCGCCCN	
Sp1_M00933	3.3412e-06	CCTSCCCCTCCCC- -----CCCKCCCCN	
Alfin1_M00479	3.9937e-06	CCTSCCCCTCCCC-- -MNNCCCCACNYNYN	
Sp1_M00931	5.2973e-06	CCTSCCCCTCCCC ---NCCCCGCC-	
MAZR_M00491	5.4554e-06	GGGGAGGGGSAGG SGGGGGGGMNN-	

M8



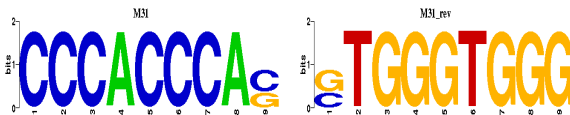
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
UF1H3BETA_M01068	7.6150e-13	CTCCCCTCCCC-- -GCCCCTCCCCRC	
MAZ_M00649	1.9141e-09	CTCCCCTCCCC ---CCCTCCC--	
ZNF219_M01122	1.4642e-08	GGGGGAGGGGAG GGGNGGGGGGN-	
MAZR_M00491	7.1164e-07	GGGGGAGGGGAG- -SGGGGGGGGMNN	
Sp1_M00196	7.9546e-07	CTCCCCTCCCC NNCCCCGCCCN	
TFII-I_M00706	1.0108e-06	CTCCCCTCCCC ----CCTMCNTC	
Sp1_M00933	1.8060e-06	CTCCCCTCCCC ---CCCKCCCN	
Sp1_M00931	2.9023e-06	CTCCCCTCCCC -NCCCCGCC--	
FACB_M00388	4.6250e-06	---CTCCCCTCCCC----- NNNNTCCNNTNSNNNNNGGAKNNNN	
KROX_M00982	5.3996e-06	-CTCCCCTCCCC CCGCCCCNCNNC	

M14



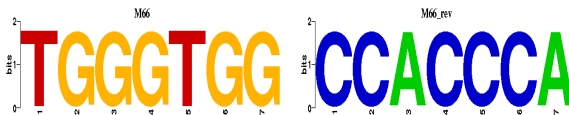
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAZ_M00649	1.2272e-10	CCCTCCCCT CCCTCCC--	
UF1H3BETA_M01068	3.1329e-09	--CCCTCCCCT-- GCCCCCCCCRC	
Sp1_M00933	6.4581e-08	CCCTCCCCT CCCKCCCN	
Sp3_M00665	2.4793e-07	CCCTCCCCT---- CCCYSCCAAGKS	
CAC-binding_M00720	2.3479e-06	AGGGGAGGG -RGGSTGGG	
Sp1_M00196	2.7340e-06	---CCCTCCCCT NNCCCCGCCCN	
Alfin1_M00479	6.2660e-06	-AGGGGAGGG---- NRNRNGTGGGGNNK	
MAZR_M00491	7.8124e-06	AGGGGAGGG---- -SGGGGGGGMNN	
Tra-1_M01048	8.2984e-06	CCCTCCCCT ACCWCCC--	
ZNF219_M01122	1.5841e-05	AGGGGAGGG---- --GGNGGGGGN	











M31



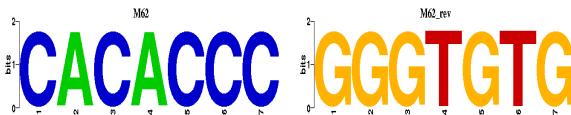
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GLI_M01037	6.9024e-09	STGGGTGGG-- NTGGGTGGTCN	
CAC-binding_M00720	8.8420e-08	CCCACCCAS CCCASCCY-	
CACCC-binding_M00721	2.5588e-07	-CCCACCCAS----- CCNCACCCWNNKGNT	
NGFI-C_M00244	1.0461e-06	CCCACCCAS--- -CCRCCCACGCA	
Tra-1_M01049	3.1222e-06	CCCACCCAS ACCNCCC--	
Zic2_M00449	5.5320e-06	-CCCACCCAS NACCACCC--	
Egr-3_M00245	6.7159e-06	---CCCACCCAS ACGCCACGCA-	
Egr-1_M00243	6.7661e-06	STGGGTGGG--- -TGGTGGGCGK	
Zic1_M00448	8.1351e-06	-CCCACCCAS GACNACCC--	
CACD_M01113	9.8639e-06	STGGGTGGG --GGGYGTG	

M66



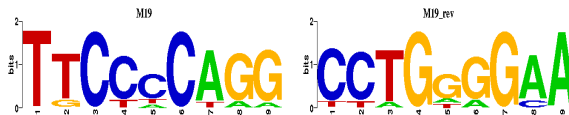
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GLI_M01037	9.6017e-10	-TGGGTGG--- NTGGGTGGTCN	
Zic2_M00449	1.7050e-07	--CCACCCA NACCACCC-	
Tra-1_M01049	1.9250e-07	-CCACCCA ACCNCCC-	
Zic1_M00448	2.7234e-07	--CCACCCA GACNACCC-	
Zic3_M00450	4.5260e-07	--CCACCCA GANCMCCC-	
NGFI-C_M00244	1.1074e-06	----TGGGTGG TGCGTGGGYGG	
Tra-1_M01048	1.9164e-06	-CCACCCA ACCWCCC-	
ACAAT_M00309	2.5109e-06	CCACCCA- CCACCAAT	
CAC-binding_M00720	2.5465e-06	-CCACCCA CCCASCCY	
RCS1_M00753	4.7218e-06	---TGGGTGG-- AANTGGGTGCAK	

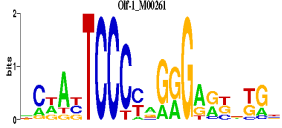


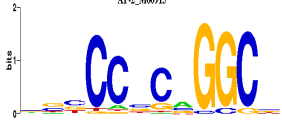






M62



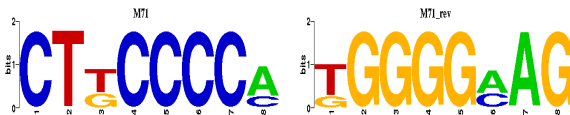
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CACD_M01113	2.1652e-11	GGGTGTG GGGYGTG	
CACCC-binding_M00721	9.6046e-08	-CACACCC----- CCNCACCCWNNKNGT	
TBX5_M01044	5.1971e-07	-GGGTGTG- AAGGTGTGA	
GBF_M00633	1.1743e-06	CACACCC- NACCCNA	
CAC-binding_M00720	4.4394e-05	CACACCC- CCCASCCY	
Brachyury_M00150	5.2431e-05	-----GGGTGTG----- NNNTSACACCTAGGTGTGAAATT	
AR_M00481	5.8280e-05	--CACACCC----- AGNACANNNTGTWC	
Tax-CREB_M00115	7.0741e-05	--GGGTGTG----- GGGGRTATGCGTCA	
TBX5_M01019	1.4485e-04	---CACACCC- NNTNACACCTN	
TBX5_M01020	1.6968e-04	-CACACCC- NMACACCNN	


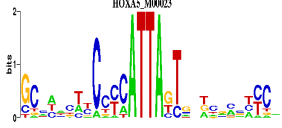








M19



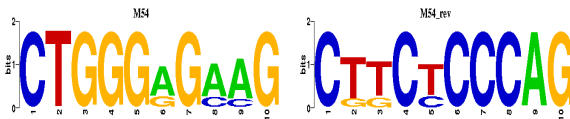
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Olf-1_M00261	2.2067e-08	-----CCTGGGGAA----- NCMNNYTCCCNRRGGGANTNGN	
EBF_M00977	2.3314e-06	--CCTGGGGAA NCYCWRGGGA-	
XPF-1_M00684	8.3489e-06	-TTCCCCAGG GKTSNYCNG-	
AP-2_M00915	1.5091e-05	--CCTGGGGAA- NGCCNGNGGNNN	
ANT_M00501	2.5848e-05	CCTGGGGAA---- CMTYGGGAWNTGT	
AP-2gamma_M00470	1.1778e-04	TTCCCCAGG -SCC>NNGG	
RBP-Jkappa_M01112	2.7527e-04	-CCTGGGGAA NCGTGGGAAM	
Sp3_M00665	3.4491e-04	--CCTGGGGAA-- SMCTTGGGSRGGG	
SREBP-1_M00749	4.4595e-04	CCTGGGGAA --TGGSGT-	
AP-2alpha_M00469	4.8517e-04	-CCTGGGGAA SCNNNNGG--	

M71

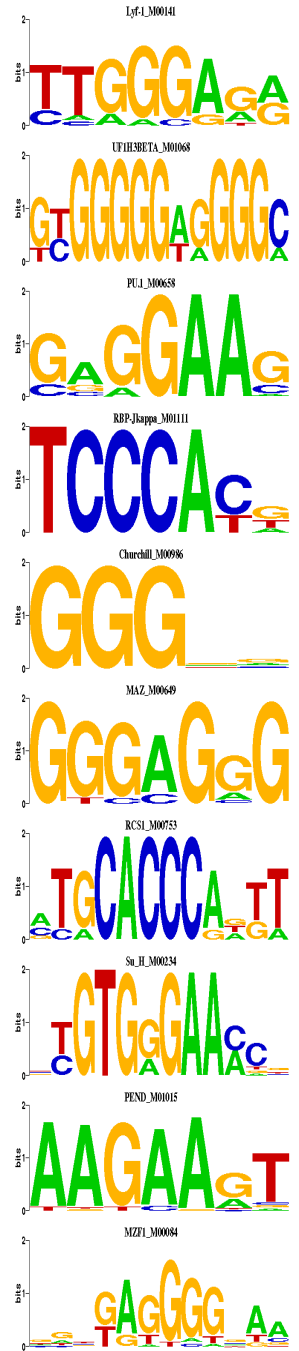


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	2.8211e-06	CTKCCCCA CTTCCTC-	
HOXA5_M00023	2.9538e-05	-----TGGGGMAG----- NGRNNNNNNNNNANTAA TGRNGNNNNNNNGC	
Sp3_M00665	1.0787e-04	-CTKCCCCA---- CCCYSCCCAAGKS	
SREBP-1_M00749	1.5560e-04	TGGGGMAG TGGSGT--	
MZF1_M00084	1.5572e-04	CTKCCCCA----- -TTNCCCCTCENN	
UF1H3BETA_M01068	2.1970e-04	-TGGGGMAG---- GYGGGGGAGGGGC	
MAF_M00648	2.2426e-04	-TGGGGMAG----- NGRRGGAAGTKKNSN	
GCR1_M00046	2.6091e-04	TGGGGMAG- -GWGGAAGC	
MZF1_M00083	5.0136e-04	CTKCCCCA- --TCCCCNN	
Ets_M00971	7.1559e-04	TGGGGMAG -NAGGAAG	

M54



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Lyf-1_M00141	6.4738e-07	CTTCTCCCAG --YCTCCCAA
UF1H3BETA_M01068	2.9880e-04	CTGGGAGAAG--- GYGGGGGAGGGGC
PU.1_M00658	7.3078e-04	CTTCTCCCAG CTTCCTC---
RBP-Jkappa_M01111	9.8944e-04	-CTGGGAGAAG NGTGGGA----
Churchill_M00986	1.2125e-03	CTTCTCCCAG ---NNCCC--
MAZ_M00649	1.3655e-03	CTGGGAGAAG --GGGAGGG-
RCS1_M00753	1.4315e-03	--CTGGGAGAAG AANTGGGTGCAK
Su_H_M00234	1.7647e-03	--CTTCTCCCAG NGKTTCACARN
PEND_M01015	1.7798e-03	-CTTCTCCCAG ACTTCTT----
MZF1_M00084	2.2719e-03	CTTCTCCCAG--- -TTNCCCTCANN

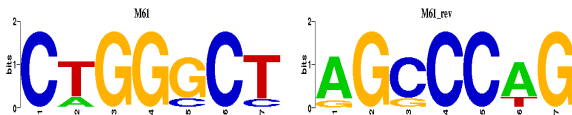





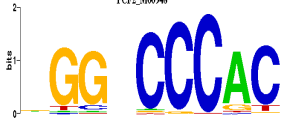






M58



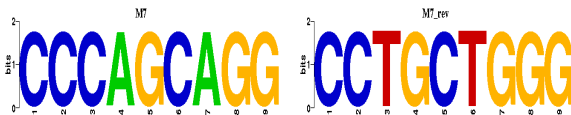
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Lyf-1_M00141	3.4064e-07	-CTCCCAG YCTCCCAA	
Ik-3_M00088	4.7839e-05	----CTCCCAG- GGTATTCCNRN	
RBP-Jkappa_M01111	5.1589e-05	-CTGGGAG NGTGGGA-	
MAZ_M00649	6.1607e-05	--CTCCCAG CCCTCCC--	
STAT_M00777	8.0079e-05	CTCCCAG----- -TCCNAGAANNNN	
Pitx2_M00482	1.8446e-04	CTGGGAG--- NTGGGATTAN	
Tra-1_M01048	5.1032e-04	CTGGGAG-- --GGGWGGT	
GLI_M01037	6.7435e-04	CTGGGAG---- NTGGGTGGTCN	
STATx_M00223	6.9804e-04	CTCCCAG-- -TCCCRKAA	
RBP-Jkappa_M01112	7.1608e-04	-CTCCCAG-- KITCCACGN	




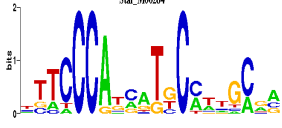




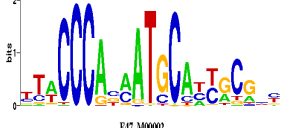

M61



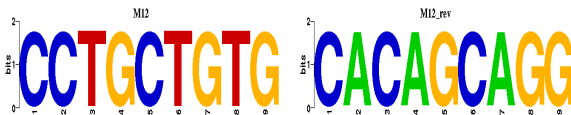
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
SREBP-1_M00749	2.5218e-04	CTGGGCT -TGGSGT	
YY1_M00069	6.9572e-04	---AGCCCAG----- WNSANNCAAGATGGCNGNN	
Pitx2_M00482	8.2664e-04	CTGGGCT--- NTGGGATTAN	
PCF2_M00948	8.4581e-04	--AGCCCAG NGGNCCCAC	
Eve_M00629	1.4008e-03	-CTGGGCT- GCNGNSSWN	
Dde_M00304	1.4277e-03	--CTGGGCT GGCTGAGC-	
Egr-3_M00245	2.5652e-03	---CTGGGCT- TGCCTGGGCGT	
Poly_M00211	3.0231e-03	-AGCCCAG GAGACCAC	
Egr-1_M00243	3.0751e-03	---CTGGGCT- TGCCTGGGCGK	
Egr-2_M00246	3.6090e-03	-AGCCCAG--- MCGCCACGCA	











M7



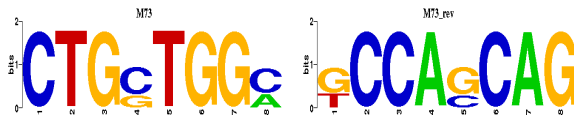
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HEB_M00698	3.5202e-08	CCTGCTGGG CCWGCTG--	
LMAF_M01139	5.8168e-06	CCTGCTGGG -CTGCTGAS	
KAISO_M01119	8.8824e-05	-CCTGCTGGG TCCTGCNAN-	
Staf_M00264	9.9627e-05	-----CCTGCTGGG---- NNGCNNKGNANNNTGGGANN	
AP-4_M00176	3.2998e-04	CCCAGCAGG NNCAGCTGN	
CAC-binding_M00720	4.6008e-04	CCCAGCAGG CCCASCCY-	
Ttk_M00009	5.2115e-04	--CCTGCTGGG GTCCTGC----	
LUN-1_M00480	1.0599e-03	-----CCTGCTGGG TCCCAAAGTAGCTGGG	
Staf_M00262	1.1824e-03	-----CCTGCTGGG---- NNGCYRNTGCATKNTGGGWAN	
E47_M00002	1.4664e-03	CCCAGCAGG----- --SNGCAGGTGTNNNN	





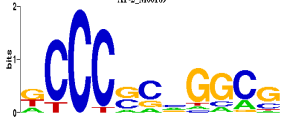




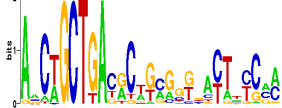
M12



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HEB_M00698	3.5202e-08	CCTGCTGTG CCWGCTG--	
LMAF_M01139	5.8168e-06	CCTGCTGTG -CTGCTGAS	
AP-4_M00176	2.7333e-05	-CCTGCTGTG NNCAGCTGN-	
AP-4_M00005	7.3577e-05	-----CACAGCAGG--- MNGNCNNCAGCTGNNNN	
KAISO_M01119	8.8824e-05	-CCTGCTGTG TCCTGCNAN-	
Ttk_M00009	5.2115e-04	--CCTGCTGTG GTCTGC----	
Nrf-2_M00821	7.7669e-04	-----CACAGCAGG NNTGACTCAGCA--	
E47_M00002	1.4664e-03	CACAGCAGG----- --SNGCAGGTGTNNNN	
TAL1_M00993	1.7258e-03	CCTGCTGTG CCANCTGNY	
E2A_M00973	3.0953e-03	CACAGCAGG- ---RNCAGNT	

M73



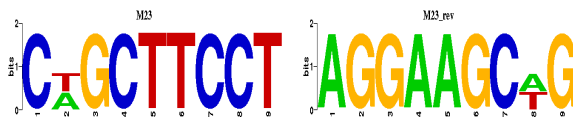
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LMAF_M01139	2.0716e-06	CTGCTGGC CTGCTGAS	
HEB_M00698	2.1734e-05	CTGCTGGC CAGCWGG-	
BRK_M01096	7.5050e-05	CTGCTGGC- ---NTGGCG	
AP-4_M00176	1.8182e-04	GCCAGCAG- NNCAGCTGN	
AP-2_M00189	2.2481e-04	---CTGCTGGC CGCCNGSGGGN	
ACAAT_M00309	3.2044e-04	GCCAGCAG- -CCACCAAT	
HAC1_M00730	5.7025e-04	---CTGCTGGC GACACGCTGKC	
bZIP910_M00357	7.2758e-04	--GCCAGCAG- ACGTCAGCAYS	
TAL1_M00993	8.1447e-04	GCCAGCAG-- -CCANCTGNY	
Bel-1_M00312	1.0335e-03	-----GCCAGCAG-- KNGRNAGTNMNCKCWGYRTCAGCAGNT	

M60



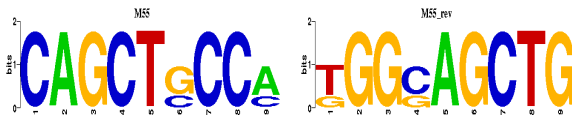
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
KAISO_M01119	2.7998e-05	TGCTGCT-- TCCTGCNAN	
LBP-1_M00644	3.9422e-05	AGCAGCA -SCAGCN	
TAL1_M00993	6.6400e-05	AGCAGCA-- RNCAGNTGG	
LMAF_M01139	1.8001e-04	-TGCTGCT CTGCTGAS	
NRSF_M01028	3.5619e-04	--AGCAGCA----- TCAGCACCRYGGACAGNR	
AP-4_M00927	4.1134e-04	--TGCTGCT NCAGCTGY-	
NRSF_M00256	4.3919e-04	-----TGCTGCT-- GSYGCTGTCCGTGGTGCTGA	
Ttk_M00009	5.3972e-04	AGCAGCA- -GCAGGAC	
bZIP910_M00357	1.1013e-03	--AGCAGCA-- ACGTCAGCAYS	
myogenin_M00712	1.2864e-03	-TGCTGCT CASCTGN-	

M23



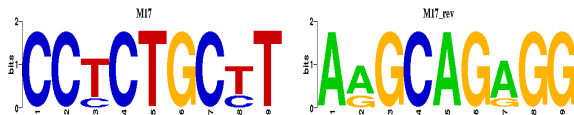
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
c-Ets-1_M00743	9.1470e-09	CWGCTTCCT --GCTTCCK	
GCR1_M00046	1.1026e-07	-AGGAAGCWG GWGGAAGC--	
Ets_M00971	8.7719e-07	-AGGAAGCWG NAGGAAG---	
NERF1a_M00531	1.0300e-06	-----CWGCTTCCT--- SNNASNYRCTTCCTGNY	
PU.1_M00658	1.1601e-06	CWGCTTCCT- ---CTTCCTC	
PEA3_M00655	3.0730e-06	AGGAAGCWG MGGAWG---	
Tel-2_M00678	1.1671e-05	-AGGAAGCWG CAGGAAGTA-	
Ets_M00771	2.4495e-04	-AGGAAGCWG- CAGGAAGYNNN	
c-Ets-2_M00340	4.6286e-04	--CWGCTTCCT-- ANNNACTTCCTGY	
HEB_M00698	4.8991e-04	AGGAAGCWG- ---CAGCWGG	

M55



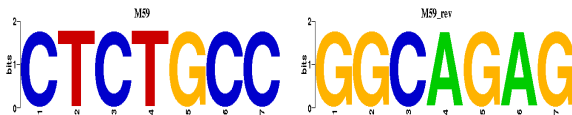
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AP-4_M00927	2.6064e-08	-CAGCTGCCA NCAGCTGY--	
myogenin_M00712	3.2603e-08	TGGCAGCTG --NCAGSTG	
TAL1_M00993	1.5095e-07	TGGCAGCTG- -RNCAGNTGG	
LBP-1_M00644	8.2065e-07	TGGCAGCTG --SCAGCN-	
HEB_M00698	5.7547e-06	CAGCTGCCA CAGCWGG--	
E12_M00693	9.6020e-06	TGGCAGCTG- NNNCACCTGY	
E47_M00002	2.4443e-05	TGGCAGCTG----- SNGCAGGTGTNNNN	
HEN1_M00058	2.6944e-05	-----CAGCTGCCA----- NNGGNCGCAGCTGCGNCCNNN	
AP-4_M00175	2.7650e-05	-CAGCTGCCA NCAGCTGNN-	
HEN1_M00068	2.9106e-05	-----CAGCTGCCA----- NNGGNCNCAGCTGNGNCCNNN	

M17



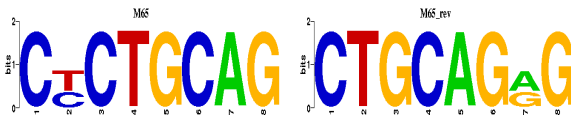
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
TAL1_M00993	9.4363e-06	AAGCAGAGG-- -RNCAGNTGG	
Eve_M00629	1.5834e-04	--CCTCTGCTT NWSSNCNGC--	
Barbie_M00238	2.2082e-04	-CCTCTGCTT---- CMNNCNSCTTTNNN	
Dde_M00304	6.7322e-04	CCTCTGCTT GCTCAGCC-	
COUPTF_M01036	1.3085e-03	AAGCAGAGG----- -NKNNRNGKNNAAAGGTCANNNN	
SMAD3_M00701	2.1620e-03	AAGCAGAGG AGNCAGAC-	
LMAF_M01139	2.7984e-03	CCTCTGCTT-- ---CTGCTGAS	
PEND_M01015	3.2974e-03	CCTCTGCTT --ACTTCTT	
HSF_M00641	3.5886e-03	----CCTCTGCTT GAARCYNCKNGA-	
Grainyhead-Elf-1-NTF-1_M00951	6.3747e-03	-AAGCAGAGG AAACCRG----	




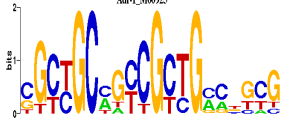





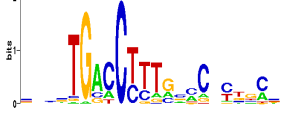
M59



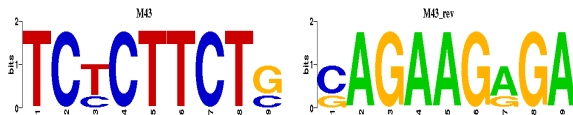
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Dde_M00304	6.5556e-07	GGCAGAG- GGCTGAGC	
Nrf-2_M00108	3.2163e-05	CTCTGCC-- SNCTTCCGG	
Eve_M00629	6.1383e-05	GGCAGAG--- -GCNGNSSWN	
SMAD3_M00701	3.5136e-04	-GGCAGAG AGNCAGAC	
HNF4_M01031	4.0579e-04	-----CTCTGCC- NTGRMCTTTGNNC	
MAZ_M00649	6.9329e-04	CTCTGCC CCCTCCC	
TAL1_M00993	8.2649e-04	GGCAGAG-- RNCAGNTGG	
HNF4alpha1_M00411	8.8092e-04	-----CTCTGCC-- NTGACCTTTGNCCY	
PPAR_M00528	9.5318e-04	----CTCTGCC----- TGACCTTTGNCCNNNN	
E2A_M00973	1.2191e-03	GGCAGAG RNCAGNT	

M65



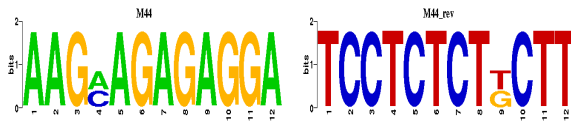
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LMAF_M01139	7.9414e-05	CYCTGCAG STCAGCAG	
Eve_M00629	9.3620e-05	---CYCTGCAG NWSNCNGC---	
Nrf-2_M00821	1.2143e-03	-----CYCTGCAG NNTGACTCAGCA-	
Adf-1_M00923	2.8389e-03	-----CTGCAGRG CRMNKKCAGCGRCKGCRGCS	
v-Maf_M00035	3.0867e-03	-----CYCTGCAG-- NNTGCTGACNNGCANNN	
HEB_M00698	3.1339e-03	CTGCAGRG CAGCWGG-	
Ttk_M00009	4.0807e-03	CTGCAGRG- --GCAGGAC	
Dde_M00304	5.3826e-03	CTGCAGRG- -GGCTGAGC	
MAZ_M00649	5.5683e-03	CYCTGCAG CCCTCCC-	
COUPTF_M01036	5.9460e-03	CTGCAGRG----- -NKNNRNGKNNAAAGGTCANNNN	

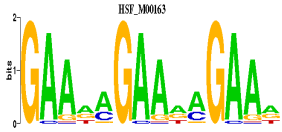

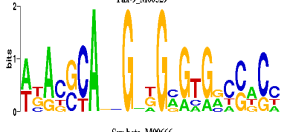





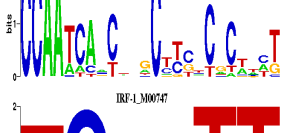

M43



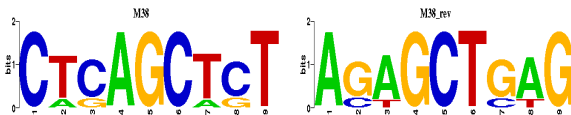
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HSF_M00167	2.6656e-06	--TCTCTTCTG--- NTTCNNTTCNNTTC	
HSF_M00163	6.9741e-06	--TCTCTTCTG--- NTTCNTTCTNTTC	
HSF_M00166	6.9741e-06	--TCTCTTCTG--- NTTCNTTCTAGAA	
Nrf-2_M00108	1.3368e-05	-CAGAAGAGA CCGGAAGNS-	
HSF_M00170	1.3355e-04	--TCTCTTCTG--- NTTCNNTTCNNGAA	
GATA-2_M00349	2.0283e-04	TCTCTTCTG TNTTATCTS	
GATA-4_M00632	2.3871e-04	--CAGAAGAGA GATANMAGRSA	
IRF-1_M00747	2.8199e-04	CAGAAGAGA ---AANTGA	
GR_M00205	4.4603e-04	-----TCTCTTCTG GTACANNNTGTYCTK	
PEND_M01015	5.6976e-04	TCTCTTCTG --ACTTCTT	

M44



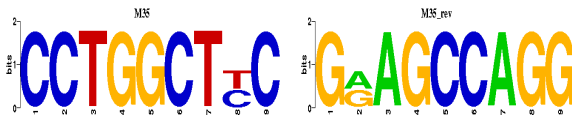
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HSF_M00163	5.1062e-05	TCCTCTCTKCTT--- -NTTCTNTTCTNTTC	
PEND_M01015	5.9240e-05	AAGMAGAGAGGA AAGAAGT-----	
Pax-9_M00329	1.0214e-03	--AAGMAGAGAGGA----- WNANSCANNGNNGNGNGNNSNCN	
Sry-beta_M00666	1.0352e-03	AAGMAGAGAGGA ----AGWGATGC	
HSF_M00166	1.5906e-03	TCCTCTCTKCTT--- -NTTCTNTTCTAGAA	
GATA-4_M00632	2.2151e-03	TCCTCTCTKCTT-- ---TSYCTKNATC	
TFII-I_M00706	2.3732e-03	AAGMAGAGAGGA ---GANGKAGG-	
PU.1_M00658	2.5706e-03	--TCCTCTCTKCTT CTTCCTC-----	
CCAAT_M00200	2.6239e-03	AAGMAGAGAGGA----- -ANNWGNGNRRRGNNNGNTGATTGG	
IRF-1_M00747	2.8478e-03	AAGMAGAGAGGA ---AANTGA---	

M38



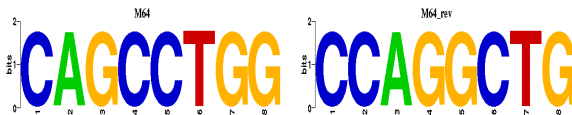
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
CDC5_M00361	4.9237e-06	-CTCAGCTCT SCTCAGCGSN	
Dde_M00304	1.2971e-05	-CTCAGCTCT GCTCAGCC--	
AP-4_M00175	1.8073e-05	-AGAGCTGAG NNCAGCTGN-	
Sry-beta_M00666	3.1828e-05	AGAGCTGAG AGWGATGC-	
AP-4_M00176	8.4489e-05	-AGAGCTGAG NNCAGCTGN-	
Pax-1_M00326	1.3953e-04	-----AGAGCTGAG-- ATATCTAGAGCGGAACG	
MAF_M00983	1.5563e-04	----CTCAGCTCT NTGACTCANC---	
LBP-1_M00644	1.9502e-04	CTCAGCTCT -SCAGCN--	
NF-E2_M00037	2.3510e-04	----CTCAGCTCT RTGACTCAGC---	
Nrf-2_M00821	6.0015e-04	-----CTCAGCTCT NNTGACTCAGCA--	

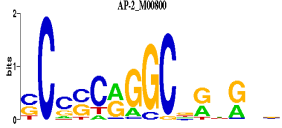


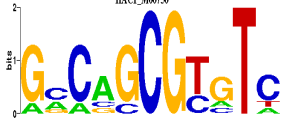
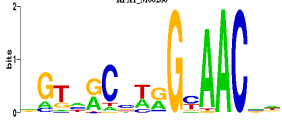





M35



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BRK_M01096	4.6310e-05	CCTGGCTYC -NTGGCG--	
Grainyhead-Elf-1-NTF-1_M00951	1.3393e-04	GRAGCCAGG -AAACCRG-	
CCAAT_M00200	3.1443e-04	-----GRAGCCAGG----- ANNWNGNRRRGNNNGNTGATTGG	
YY1_M00069	1.2989e-03	-GRAGCCAGG----- WNSANNCAAGATGGCNGNN	
E2A_M00804	1.5430e-03	--GRAGCCAGG-- NMNGNGNCAGGTG	
ATF4_M00514	2.7642e-03	CCTGGCTYC-- NNTKRCGTGAN	
RFX1_M00280	2.8008e-03	-----CCTGGCTYC-- NNGTTRCYWNGYNACN	
CP2_M00072	3.7878e-03	CCTGGCTYC-- -CTGGKTINGNG	
E2A_M00973	3.9741e-03	GRAGCCAGG-- ---RNCAGNT	
AP-4_M00005	5.3171e-03	-----CCTGGCTYC MNGNCNNCAGCTGNNNN-	




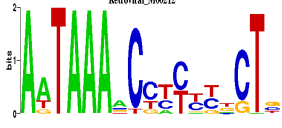

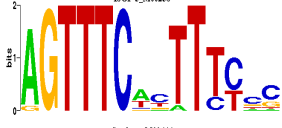



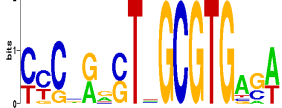
M64



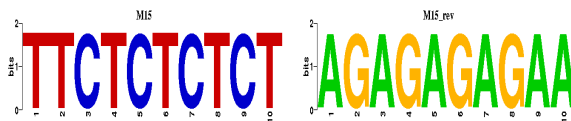
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AP-2_M00800	4.9388e-05	---CCAGGCTG--- SCSSCRGGCNRNRNN	
AP-2_M00915	2.2842e-04	CAGCCTGG----- -NGCCNGNGGNNN	
CAC-binding_M00720	5.0895e-04	--CAGCCTGG CCCASCCY--	
HAC1_M00730	6.2849e-04	-CCAGGCTG-- GACACGCTGKC	
RFX1_M00280	6.2946e-04	-----CCAGGCTG-- NNGTTRCYWNGYNACN	
Dde_M00304	9.3263e-04	CCAGGCTG--- ---GGCTGAGC	
PacC_M00247	2.5251e-03	----CAGCCTGG---- NNNNNNKCYTGCCNGN	
AP-2alphaA_M01047	2.5748e-03	-CAGCCTGG----- ANMGCCTNAGGCKN	
CACCC-binding_M00721	4.8110e-03	---CAGCCTGG---- CCNCACCCWNNKGNT	
AR_M00481	5.2541e-03	----CAGCCTGG-- AGNACANNNTGTWC	



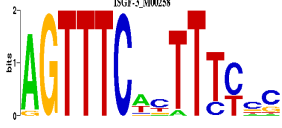




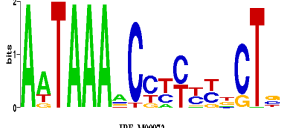


M10



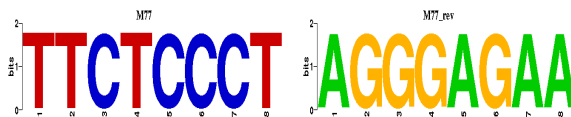
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GAGA_M00723	2.4246e-08	TCTCTCTCT- TYNCKCTCWS	
SMAD3_M00701	1.1231e-04	AGAGAGAGA AGNCAGAC-	
TFII-I_M00706	4.7197e-04	TCTCTCTCT CCTMCNTC-	
Retroviral_M00212	5.8363e-04	-AGAGAGAGA----- NAGNRRRRRRGNTTTATT	
ARF_M00438	2.5373e-03	AGAGAGAGA -GAGACAA-	
ISGF-3_M00258	4.2887e-03	-AGAGAGAGA---- GNGAAANWGAAACT	
Sry-beta_M00666	4.6982e-03	AGAGAGAGA AGWGATGC-	
MAZ_M00649	5.9581e-03	TCTCTCTCT -CCCTCCC-	
IRF_M00972	6.0867e-03	-TCTCTCTCT NNTTCWNNTT	
AhR_M00139	7.9551e-03	TCTCTCTCT----- TSTCACGCNASNYNCRG	

M15



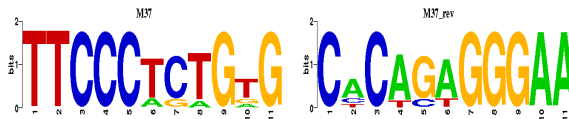
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GAGA_M00723	1.4679e-07	TTCTCTCTCT- -TYNCKCTCWS	
ARF_M00438	1.8112e-05	AGAGAGAGAA ---GAGACAA	
ISGF-3_M00258	1.7551e-04	-AGAGAGAGAA--- GNGAAANWGAAACT	
SMAD3_M00701	2.4095e-04	AGAGAGAGAA AGNCAGAC--	
TFII-I_M00706	9.2861e-04	TTCTCTCTCT -CCTMCNTC-	
MZF1_M00084	1.1886e-03	TTCTCTCTCT-- TTNCCCCTCINN	
GATA-2_M00349	2.0659e-03	--TTCTCTCTCT TNTTATCTS---	
Retroviral_M00212	2.3441e-03	-AGAGAGAGAA----- NAGNRRRRRGNTTTATT	
IRF_M00972	2.6672e-03	--TTCTCTCTCT NTTTCWNTTT--	
BLIMP1_M01066	3.6645e-03	AGAGAGAGAA---- -GRAAGKGAAAGKR	











M77



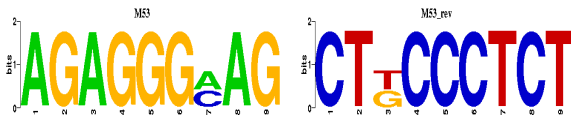
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MZF1_M00084	2.0464e-06	TTCTCCCT---- TTNCCCCTCENN	
TFII-I_M00706	1.3948e-05	TTCTCCCT- -CCTMCNTC	
Lyf-1_M00141	2.8132e-05	TTCTCCCT- -YCTCCCAA	
MAZ_M00649	1.9542e-04	TTCTCCCT CCCTCCC-	
Tel-2_M00678	3.8861e-04	-AGGGAGAA CAGGAAGTA	
dI_M00120	9.2406e-04	---TTCTCCCT NGNTTTTCYC-	
Tra-1_M01048	1.3391e-03	AGGGAGAA -GGWGGT	
Ets_M00971	1.4922e-03	-AGGGAGAA NAGGAAG--	
PU.1_M00658	1.7957e-03	-AGGGAGAA GAGGAAG--	
BLIMP1_M01066	1.8225e-03	---AGGGAGAA-- GRAAGKGAAGKR	

M37



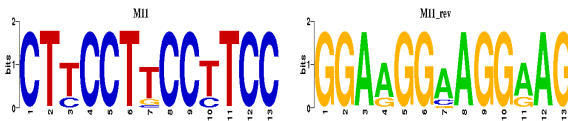
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AREB6_M00412	6.2033e-05	CACAGAGGGAA-- -RNWCAGGTRNRN	
MAF_M00648	1.9794e-04	CACAGAGGGAA----- ---NGRRGGAAGTKKNSN	
TFII-I_M00706	2.9490e-04	-TTCCTCTGTG CCTMCNTC----	
E2F-1-DP-2_M00737	4.2906e-04	TTCCTCTGTG TTCCCGC----	
E2F-1-DP-1_M00736	5.7705e-04	TTCCTCTGTG TTCSGC----	
Elf-1_M00746	6.2569e-04	CACAGAGGGAA- -NAAGAGGAART	
E2F-4-DP-2_M00739	6.5612e-04	CACAGAGGGAA ----GCGSGAA	
MZF1_M00084	7.6348e-04	TTCCTCTGTG- TTNCCCCTCINN	
RBP-Jkappa_M01112	1.0334e-03	-TTCCTCTGTG KTTCCCACGN--	
MADS-A_M00408	1.3869e-03	-TTCCTCTGTG--- TTTCCATTTTTNNWN	










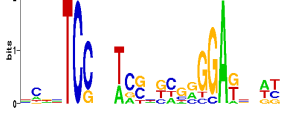
M53



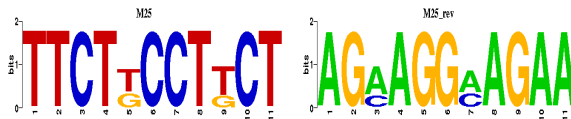
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MAF_M00648	4.0931e-08	-----CTKCCCTCT NSNMMACTTCCYYCN	
TFII-I_M00706	8.5597e-06	CTKCCCTCT CCTMCNTC-	
MAZ_M00649	4.8507e-04	-AGAGGGMAG GGGAGGG---	
Elf-1_M00746	4.8813e-04	--AGAGGGMAG NAAGAGGAART	
MZF1_M00084	5.0528e-04	CTKCCCTCT---- -TTNCCCCTCENN	
NF-muE1_M00651	5.9744e-04	CTKCCCTCT -GCCATCT	
E2F-1-DP-2_M00737	8.0001e-04	AGAGGGMAG -GCGGGAA-	
GAGA_M00723	1.2579e-03	CTKCCCTCT- TYNCKCTCWS	
E2F-4-DP-2_M00739	1.2722e-03	AGAGGGMAG -GCGSGAA-	
E2F-1-DP-1_M00736	1.4172e-03	AGAGGGMAG -GCGSGAA-	

M11



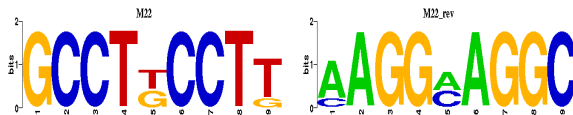
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	1.0236e-05	CTTCCTTCCTTCC ----CTTCCTC--	
Ets_M00971	1.2496e-05	GGAAGGAAGGAAG -----NAGGAAG	
Tel-2_M00678	2.4159e-05	GGAAGGAAGGAAG --CAGGAAGTA--	
MAF_M00648	2.5700e-05	--CTTCCTTCCTTCC NSNMMACTTCCYYCN	
PEA3_M00655	2.8790e-05	GGAAGGAAGGAAG -----MGGAWG	
NERF1a_M00531	3.9121e-05	----CTTCCTTCCTTCC SNNASNYRCTTCTGNY	
c-Ets-1_M00743	6.5831e-05	-CTTCCTTCCTTCC GCTTCK-----	
STE11_M01005	7.9614e-05	CTTCCTTCCTTCC -TTTCTTGTTT-	
c-Ets-2_M00340	2.5075e-04	-CTTCCTTCCTTCC ANNNACTTCTGY-	
FACB_M00388	2.5212e-04	-----GGAAGGAAGGAAG--- NNNNMTCCNNNNNSNANNGGANNNN	

M25



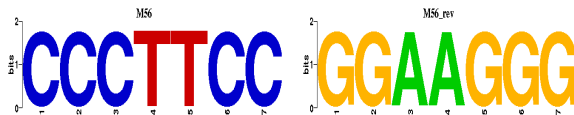
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Tel-2_M00678	9.1599e-06	AGAAGGMAGAA --CAGGAAGTA	
STE11_M01005	1.0240e-05	-TTCTKCCTTCT TTTCTTTGTTC-	
Ets_M00971	1.6597e-05	AGAAGGMAGAA --NAGGAAG--	
PU.1_M00658	2.1183e-05	TTCTKCCTTCT --CTTCCTC--	
PEA3_M00655	4.5796e-05	AGAAGGMAGAA ---MGGAWG---	
MAF_M00648	5.3071e-05	AGAAGGMAGAA---- NRRRGAAGTKKNSN	
c-Ets-1_M00743	8.4792e-05	TTCTKCCTTCT -GCTTCK---	
KAISO_M01119	6.3554e-04	--AGAAGGMAGAA NTNGCAGGA----	
Nrf-2_M00108	7.2028e-04	AGAAGGMAGAA --CCGGAAGNS	
STE11_M00274	7.2122e-04	---TTCTKCCTTCT--- WNTTCTTTGTTNNNNW	








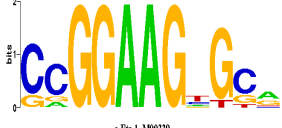


M22



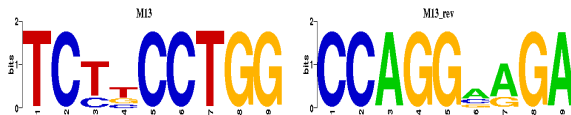
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Ets_M00971	1.3586e-05	AAGGMAGGC NAGGAAG--	
PU.1_M00658	1.7408e-05	GCCTKCCTT --CTTCCTC	
PEA3_M00655	4.9416e-05	AAGGMAGGC -MGGAWG--	
c-Ets-1_M00743	7.1244e-05	GCCTKCCTT -GCTTCCK-	
Tel-2_M00678	2.5027e-04	AAGGMAGGC CAGGAAGTA	
E2A_M00973	4.7939e-04	AAGGMAGGC --RNCAGNT	
GCR1_M00046	6.4325e-04	AAGGMAGGC GWGGAAGC-	
Ets_M00771	1.5331e-03	AAGGMAGGC-- CAGGAAGYNNN	
SMAD3_M00701	1.6741e-03	AAGGMAGGC -AGNCAGAC	
TFII-I_M00706	2.3595e-03	GCCTKCCTT -CCTMCNTC	


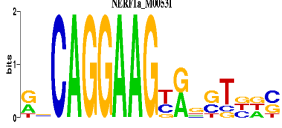



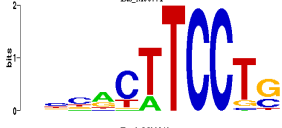




M56



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BLIMP1_M01066	5.9213e-07	-----CCCTTCC YMCTTTCMCTTYC	
MAZ_M00649	7.9736e-07	CCCTTCC CCCTCCC	
UF1H3BETA_M01068	1.8486e-05	-CCCTTCC----- GCCCTCCCCRC	
Nrf-2_M00108	4.6853e-05	CCCTTCC-- SNCTTCCGG	
PU.1_M00658	7.2251e-05	CCCTTCC-- --CTTCTC	
Ets_M00971	7.2561e-05	--GGAAGGG NAGGAAG--	
c-Ets-1_M00743	7.4398e-05	CCCTTCC- -GCTTCK	
GABP_M00341	1.0385e-04	--CCCTTCC-- YGCNCTTCCGG	
c-Ets-1_M00339	1.0505e-04	-----CCCTTCC-- NNMNNACTTCTG	
PEA3_M00655	1.2717e-04	-GGAAGGG MGGAWG--	


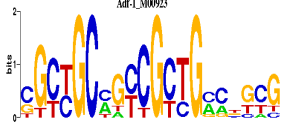








M13



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Tel-2_M00678	1.2193e-07	-TCTNCCTGG TACTTCCTG-	
NERF1a_M00531	4.8924e-07	-----TCTNCCTGG- SNNASNYRCTTCCTGNY	
Nrf-2_M00108	1.0322e-06	CCAGGNAGA- -CCGGAAGNS	
Ets_M00971	4.0155e-06	CCAGGNAGA -NAGGAAG-	
PU.1_M00658	4.5999e-06	CCAGGNAGA -GAGGAAG-	
Ets_M00771	5.7762e-06	---TCTNCCTGG NNNRCTTCCTG-	
c-Ets-2_M00340	1.6307e-05	----TCTNCCTGG ANNNACTTCCTGY	
PEA3_M00655	2.7035e-05	CCAGGNAGA --MGGAWG-	
c-Ets-1_M00743	2.8537e-05	TCTNCCTGG GCTTCCK--	
STAT5B_M00459	3.3770e-05	-----CCAGGNAGA NRNTTCNGGAAWN	

M57



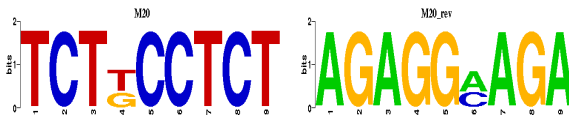
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Tel-2_M00678	7.4528e-06	CAGGCAG-- CAGGAAGTA	
Adf-1_M00923	3.3673e-05	--CAGGCAG----- CRMNKKCAGCGRCKGCRGCS	
Ets_M00771	7.7953e-05	----CTGCCTG NNNRCTTCTG	
NERF1a_M00531	1.4727e-04	-----CTGCCTG-- SNNASNYRCTTCTGNY	
c-Ets-2_M00340	1.5207e-04	-CAGGCAG----- RCAGGAAGTNNNT	
c-Ets-1_M00339	2.5526e-04	-----CTGCCTG NNMNNNACTTCTG	
SMAD3_M00701	2.9542e-04	CAGGCAG-- -AGNCAGAC	
Ets_M00971	5.7503e-04	CAGGCAG NAGGAAG	
SMAD4_M00733	5.9147e-04	-----CTGCCTG- RGNTGKCTGNMYSN	
PU.1_M00658	7.0533e-04	CAGGCAG GAGGAAG	











M28



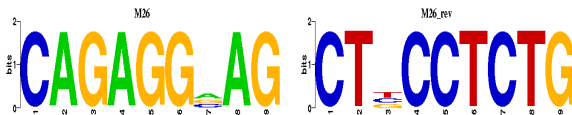
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PBF_M01130	8.5643e-06	TCTGCCTTT ----CCTTT	
SMAD3_M00701	6.3832e-05	AAAGGCAGA- --AGNCAGAC	
PU.1_M00658	3.8985e-03	TCTGCCTTT -CTTCCTC-	
LEF1_M00805	4.1283e-03	-AAAGGCAGA CAAAG-----	
Dde_M00304	4.1903e-03	AAAGGCAGA-- ---GGCTGAGC	
Ets_M00971	4.2908e-03	AAAGGCAGA -NAGGAAG-	
Grainyhead-Elf-1-NTF-1_M00951	4.9010e-03	AAAGGCAGA -AAACCRG-	
SMAD4_M00733	5.5284e-03	-----TCTGCCTTT RGNTGKCTGNMYSN	
E2A_M00973	7.8081e-03	AAAGGCAGA- ---RNCAGNT	
SED_M01128	8.4279e-03	-AAAGGCAGA NAAAGNNA-	

M20



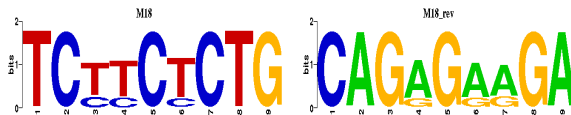
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	3.9174e-09	AGAGGMAGA -GAGGAAG-	
Elf-1_M00746	6.2698e-08	TCTKCCTCT-- AYTTCCTCTTN	
GCR1_M00046	8.5293e-07	AGAGGMAGA -GWGGAAGC	
Ets_M00971	6.2847e-06	AGAGGMAGA -NAGGAAG-	
PEA3_M00655	2.2724e-05	AGAGGMAGA --MGGAWG-	
c-Ets-1_M00743	3.5142e-05	TCTKCCTCT GCTTCCK--	
GCR1_M00337	3.7522e-05	---AGAGGMAGA- AAWAGTGGAAGCC	
c-Ets-2_M00340	6.2957e-05	---TCTKCCTCT ANNNACTTCCTGY	
Tel-2_M00678	1.3659e-04	AGAGGMAGA- -CAGGAAGTA	
Nrf-2_M00108	2.3143e-04	AGAGGMAGA- -CCGGAAGNS	









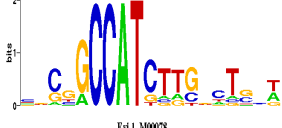

M26



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PU.1_M00658	2.6051e-08	CAGAGGNAG --GAGGAAG	
Elf-1_M00746	3.0125e-07	-CTNCCTCTG- AYTTCCTCTTN	
GCR1_M00046	3.8973e-06	CAGAGGNAG- --GWGGAAGC	
Ets_M00971	2.6785e-05	CAGAGGNAG --NAGGAAG	
XPF-1_M00684	5.5041e-05	CTNCCTCTG GKTSNYCNG	
PEA3_M00655	9.7588e-05	CAGAGGNAG ---MGGAWG	
GCR1_M00337	1.2232e-04	--CAGAGGNAG-- AAWAGTGGAAGCC	
c-Ets-1_M00743	1.3249e-04	-CTNCCTCTG GCTTCK---	
TFII-I_M00706	1.4680e-04	-CTNCCTCTG CCTMCNTC--	
c-Ets-2_M00340	1.9823e-04	-----CTNCCTCTG ANNNACTTCTGY-	

M18

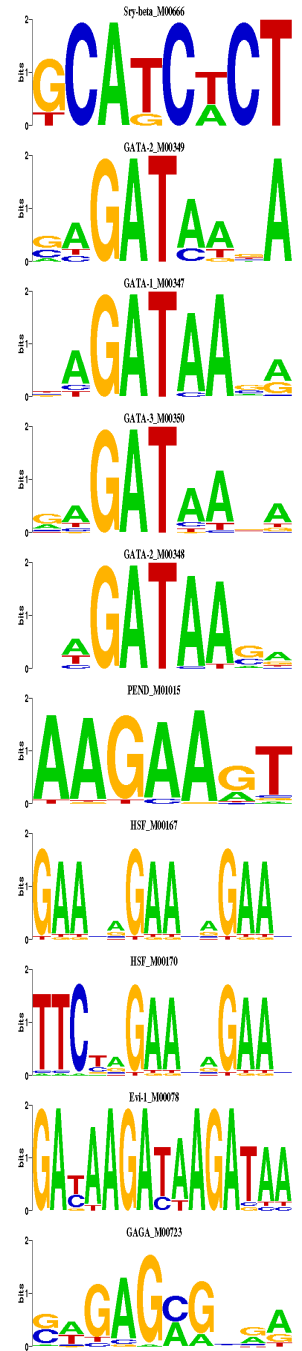


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GATA-2_M00349	6.4919e-07	TCTTCTCTG TNTTATCTS	
GATA-1_M00347	6.1927e-06	CAGAGAAGA NAGATAANR	
GATA-3_M00350	7.1456e-06	TCTTCTCTG TNTTATCTY	
GATA-1_M00346	4.8749e-05	CAGAGAAGA NNGATAANN	
Alx-4_M00619	9.5732e-05	---TCTTCTCTG GATTATTCTCAG	
PR_M00960	1.2266e-04	-TCTTCTCTG NTGYCNNW-	
HSF_M00163	1.3300e-04	--TCTTCTCTG--- NTTCTNTTCTNTTC	
HSF_M00166	1.3300e-04	--TCTTCTCTG--- NTTCTNTTCTAGAA	
YY1_M00069	1.3938e-04	-----TCTTCTCTG-- NNCNGCCATCTTGNNTSNW	
Evi-1_M00078	1.4458e-04	---TCTTCTCTG--- TTATCTTATCTTRTC	

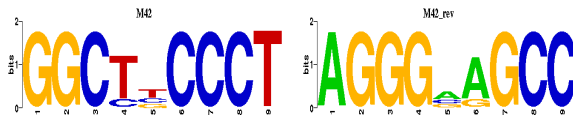
M72



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
Sry-beta_M00666	2.8409e-05	AGAGMAG- AGWGATGC
GATA-2_M00349	4.4092e-05	-AGAGMAG- SAGATAANA
GATA-1_M00347	9.5051e-05	-CTKCTCT- YNTTATCTN
GATA-3_M00350	1.5589e-04	-CTKCTCT- TNTTATCTY
GATA-2_M00348	2.1156e-04	-CTKCTCT- NSTTATCWN
PEND_M01015	3.9377e-04	-CTKCTCT ACTTCTT-
HSF_M00167	7.5061e-04	---CTKCTCT--- NTTCNNTTCNNTTC
HSF_M00170	7.5061e-04	---CTKCTCT--- NTTCNNTTCNNGAA
Evi-1_M00078	1.6644e-03	----CTKCTCT---- TTATCTTATCTTRTC
GAGA_M00723	2.2219e-03	-AGAGMAG-- SWGAGMGNRA

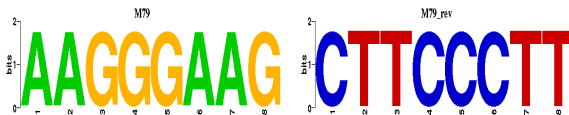












M42



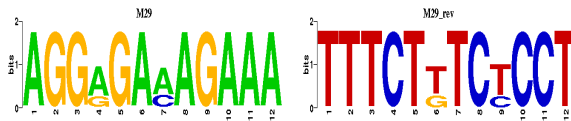
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
NF-kappaB_M00051	1.2276e-06	AGGGNAGCC- -GGGRATCCC	
c-Ets-1_M00743	2.0182e-05	GGCTNCCCT -GCTTCK-	
GCR1_M00046	3.7166e-05	AGGGNAGCC GWGGAAGC-	
GCR1_M00337	4.2404e-05	----AGGGNAGCC AAWAGTGAAGCC	
MAF_M00648	1.8391e-04	----GGCTNCCCT-- NSNMMACTTCCYYCN	
NF-kappaB_M00054	2.2810e-04	AGGGNAGCC- -GGRAAKTCC	
TFII-I_M00706	3.6627e-04	GGCTNCCCT- --CCTMCNTC	
c-Rel_M00053	6.8176e-04	AGGGNAGCC- -GGAAWNYCC	
SMAD4_M00733	7.0256e-04	-AGGGNAGCC---- NSRKNCAGMCANCY	
IRF-1_M00062	1.5421e-03	GGCTNCCCT--- GGTTTCRCTTTT	



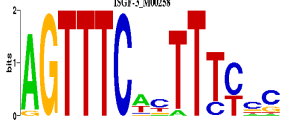







M79



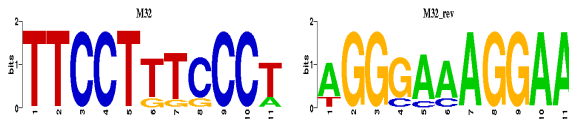
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BLIMP1_M01066	9.8582e-07	---CTTCCCTT-- YMCTTTCMCTTYC	
MAF_M00648	4.4720e-06	-AAGGGAAG----- NGRRGGAAGTKKNSN	
DEC_M00997	5.0409e-05	-CTTCCCTT--- NNNTCACNTGNN	
TFII-I_M00706	1.1078e-04	CTTCCCTT CCTMCNTC	
SED_M01128	1.4628e-04	--AAGGGAAG NAAAGNNA-	
EBF_M00977	1.7419e-04	----AAGGGAAG NCYCWRGGGA--	
IRF_M00972	2.0230e-04	-AAGGGAAG- AAANWGAAAN	
PU.1_M00658	2.2603e-04	CTTCCCTT CTTCCTC-	
Ets_M00971	2.2692e-04	AAGGGAAG -NAGGAAG	
c-Ets-1_M00743	2.3215e-04	-CTTCCCTT GCTTCK--	






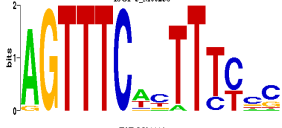




M29



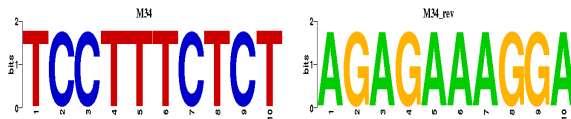
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STE11_M01005	5.5925e-09	TTTCTTTCTCCT TTTCTTTGTTCT	
STE11_M00274	1.4999e-05	--TTTCTTTCTCCT-- WNTTTCTTTGTTNNNNW	
ISGF-3_M00258	3.5247e-05	AGGAGAAAGAAA-- GNGAAANWGAAACT	
Rim101p_M01030	5.3839e-05	AGGAGAAAGAAA -----CAAGNAA	
SMAD3_M00701	6.7906e-05	TTTCTTTCTCCT -GTCIGNCT---	
BR-C_M00094	8.0577e-05	-TTTCTTTCTCCT TTWTSITTTAYWW-	
PU.1_M00658	1.6170e-04	TTTCTTTCTCCT ---CTTCCTC--	
BPC1_M01126	2.1891e-04	TTTCTTTCTCCT ---NTTTC----	
ARF_M00438	1.0067e-03	AGGAGAAAGAAA --GAGACAA---	
HSF_M00163	1.7958e-03	-TTTCTTTCTCCT- NTTCTNTTCTNTTC	

M32

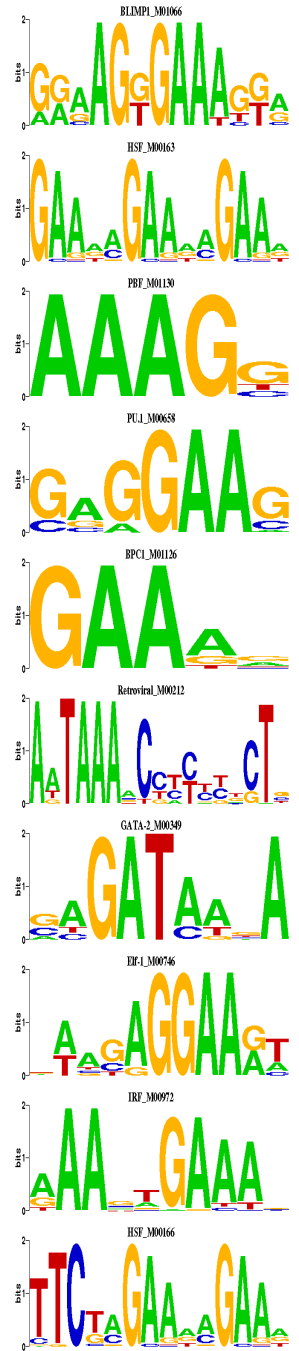


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
BLIMP1_M01066	4.0677e-11	TTCCTTTCCT--- -YMCTTTCMCTTYC	
PBF_M01130	1.9788e-05	TTCCTTTCCT --CCTT-----	
BPC1_M01126	1.1413e-04	TTCCTTTCCT ---NTTTC---	
HSF_M00163	1.2930e-04	-TTCCTTTCCT-- NTTCTNTTCTNTTC	
STAT1_M00492	4.0460e-04	TTCCTTTCCT ---ANTTCCS-	
ISGF-3_M00258	4.0600e-04	AGGGAAAGGAA---- -GNCAAANWGAAACT	
E2F_M01114	1.2077e-03	TTCCTTTCCT-- ---NTTTCCTGCN	
Ets_M00971	1.2281e-03	AGGGAAAGGAA- -----NAGGAAG	
PU.1_M00658	1.4755e-03	-TTCCTTTCCT CTTCTC-----	
OCT-x_M00210	1.6383e-03	--AGGGAAAGGAA RTATGCAATNA-	

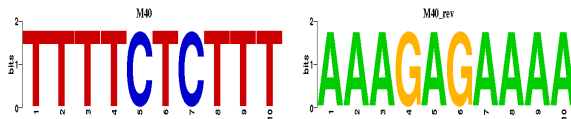
M34



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
BLIMP1_M01066	2.5423e-08	TCCTTTCTCT--- YMCTTTCMCTTYC
HSF_M00163	1.7107e-06	--TCCTTTCTCT-- NTTCTNTTCTNTTC
PBF_M01130	8.7034e-06	TCCTTTCTCT -CCTT-----
PU.1_M00658	3.1639e-05	AGAGAAAGGA -GAGGAAG--
BPC1_M01126	4.5622e-05	TCCTTTCTCT --NTTC---
Retroviral_M00212	6.9776e-05	-AGAGAAAGGA----- NAGNRRRRRRGNTTTATT
GATA-2_M00349	7.8284e-05	TCCTTTCTCT TNTTATCTS-
Elf-1_M00746	2.2680e-04	TCCTTTCTCT-- -AYTTCCTCTTN
IRF_M00972	4.4939e-04	TCCTTTCTCT-- --NTTTCWNTTT
HSF_M00166	4.7769e-04	--TCCTTTCTCT-- NTTCTNTTCTAGAA



M40



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
IRF_M00972	1.5909e-09	TTTTCTCTTT NNTTCWNTTT	
ISGF-3_M00258	1.3317e-08	-TTTTCTCTTT--- AGTTTCWNTTTCNC	
BR-C_M00092	1.6141e-07	---AAAGAGAAAA-- RANAAATAGNWNNNN	
HSF_M00163	1.9584e-07	AAAGAGAAAA---- GAANAGAANAGAAN	
IRF-2_M00063	3.3550e-07	-TTTTCTCTTT- RSTTTTCRCTTTT	
IRF-1_M00062	4.2969e-07	-TTTTCTCTTT- GGTTTCRCTTTT	
Elf-1_M00746	2.2600e-06	-TTTTCTCTTT AYTTCCTCTTN	
IRF_M00772	2.8244e-06	---TTTTCTCTTT- NNNSTTTCANTYY	
dI_M00120	1.4733e-05	---TTTTCTCTTT NGNTTTCYC---	
ID1_M01021	1.4869e-05	AAAGAGAAAA AWAASGACAA	

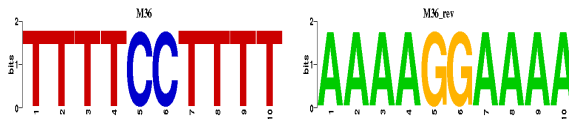
M50

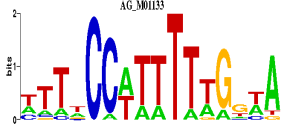


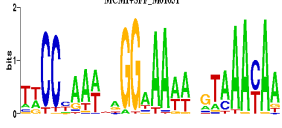








forward *reverse compliment*

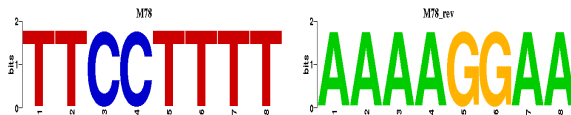
Name	E value	Alignment	Motif
LEF1_M00805	6.8301e-06	CTTTGYCTTT CTTTG-----	
ARF_M00438	8.3775e-06	AAAGRCAAAG -GAGACAA--	
BR-C_M00091	1.3476e-05	---CTTTGYCTTT--- NNNWTGTYTATNANN	
STE11_M00274	1.3502e-05	-----CTTTGYCTTT-- WNTTTCCTTGTNNNNW	
BLIMP1_M01066	1.7048e-05	-AAAGRCAAAG-- GRAAGKGAAAGKR	
ID1_M01021	7.6243e-05	CTTTGYCTTT-- --TTGTCSTTWT	
IRF_M00972	8.8614e-05	CTTTGYCTTT NTTTCWNTTT	
HNF3alpha_M00724	1.3915e-04	AAAGRCAAAG NWRARCAAAY	
SMAD3_M00701	3.1726e-04	AAAGRCAAAG --AGNCAGAC	
ISGF-3_M00258	3.5819e-04	-CTTTGYCTTT--- AGTTTCWNTTTCNC	

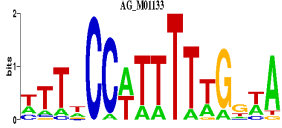








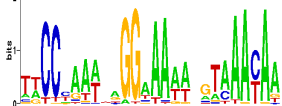
M36



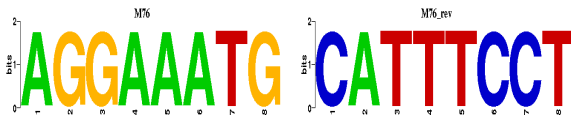
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AG_M01133	4.2169e-11	TTTTTCCTTTT----- NTTNCCTTTTTTGNWA	
Helios_M01004	3.7347e-09	-TTTTTCCTTTT NTTTTTCTWN-	
ID1_M01021	1.0875e-08	AAAAGGAAAA AWAASGACAA	
MCM1+SFF_M01051	9.3299e-08	-----AAAAGGAAAA----- TNCNNAAWNNGGNAAWANNTAAAYAA	
MADS-A_M00408	1.5180e-06	TTTTTCCTTTT----- -TTTCCATTTTTNNWN	
IRF-1_M00062	2.6731e-06	--TTTTTCCTTTT GGTTTCRCTTTT	
IRF-2_M00063	2.8849e-06	--TTTTTCCTTTT RSTTTCRCTTTT	
MADS-B_M00404	3.3846e-06	-----AAAAGGAAAA NCYAAAAATGSAAA-	
SED_M01128	4.4873e-06	AAAAGGAAAA NAAAGNNNA-	
Elf-1_M00746	8.2086e-06	TTTTTCCTTTT- AYTTCTCTTN	





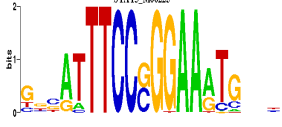




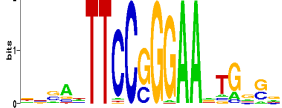
M78



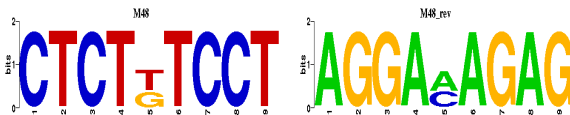
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
AG_M01133	5.3568e-08	--TTCCTTTT----- NTTNC CWTTTTTGNWA	
PBF_M01130	2.4789e-06	TTCCTTTT --CCTTT-	
MADS-A_M00408	3.1155e-06	-TTCCTTTT----- TTTCCATTTTTNNWN	
Elf-1_M00746	7.6058e-06	--TTCCTTTT- AYTTCCTCTTN	
MADS-B_M00404	1.5546e-05	-----AAAAGGAA- NCYAAAAATGSAAA	
SED_M01128	5.0296e-05	AAAAGGAA- NAAAGNNA	
HSF_M00163	5.1366e-05	-AAAAGGAA----- GAANAGAANAGAAN	
HSF_M00164	5.1366e-05	-AAAAGGAA----- GAANAGAANNTTCT	
ID1_M01021	6.3570e-05	AAAAGGAA-- AWAASGACAA	
MCM1+SFF_M01051	8.6338e-05	-----AAAAGGAA----- TNCNAAWNNGGNAAWANNTAAAYAA	

M76



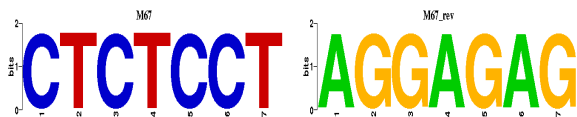
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Nanog_M01123	1.3358e-07	AGGAAATG---- -GGMAATGGNCC	
c-Ets-1_M00339	4.8460e-07	-----CATTTCCT- NNMNNACTTCCTG	
Elf-1_M00746	9.6251e-07	----AGGAAATG NAAGAGGAART-	
STAT1_M00492	1.6222e-06	AGGAAATG SGGAANT-	
STAT3_M00225	2.4574e-06	---CATTTCCT----- NNNCATTTCSSGAAATNNN	
STAT5B_M00459	2.9035e-06	CATTTCCT----- -NWITCCNGGAANYN	
NF-kappaB_M00052	6.1495e-06	AGGAAATG-- -GGAAANTCC	
c-Ets-2_M00340	8.2163e-06	---CATTTCCT-- ANNNACTTCCTGY	
STAT5A_M00457	1.0391e-05	-----AGGAAATG RNTTCYNGGAANYN	
STAT1_M00224	1.1017e-05	---CATTTCCT----- NSNCANTTCCCGGAANNNNN	

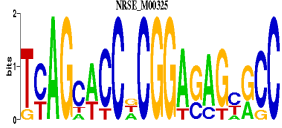

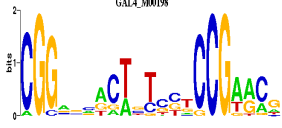







M48



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ISGF-3_M00258	3.0029e-05	AGGAMAGAG----- GNGAAANWGAAACT	
NRSF_M00256	1.4549e-04	--CTCTKTCCT----- GSYGCTGTCCGTGGTGCTGA	
HSF_M00167	1.8489e-04	-CTCTKTCCT---- NTTCNNTTCNNTTC	
HSF_M00170	1.8489e-04	-CTCTKTCCT---- NTTCNNTTCNNGAA	
GAL4_M00198	2.4504e-04	-----AGGAMAGAG----- NGYTTCGGNNNANAGNNNNCCG	
BPC1_M01126	2.5267e-04	CTCTKTCCT --NTTTC--	
SMAD3_M00701	3.4085e-04	CTCTKTCCT GCTGNCT-	
Helios_M01004	6.9847e-04	CTCTKTCCT-- -NTTTCCTWN	
T3R_M00963	9.6821e-04	-AGGAMAGAG NAGGWCAN--	
GAL4_M00049	1.1476e-03	-----AGGAMAGAG----- STTCGGASNANWGTNNNCCGNN	










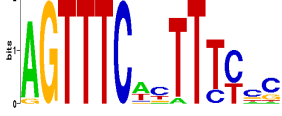
M67



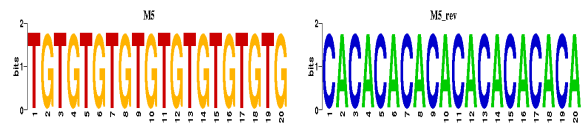
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
NRSE_M00325	1.2900e-04	----CTCTCCT----- GGCRCTCTCCGNGGTGCTGA	
MAZ_M00649	1.6991e-04	AGGAGAG GGGAGGG	
GAL4_M00198	2.2158e-04	-----AGGAGAG----- NGYTCGGNNNANAGNNNNCCG	
GAL4_M00049	7.0875e-04	-----CTCTCCT----- NNCGGNNNACWNTNSTCCGAAS	
T3R_M00963	1.0903e-03	-AGGAGAG NAGGWCAN	
SRF_M00810	1.7196e-03	-----AGGAGAG--- CCATATAWGGMMNNNNN	
Lyf-1_M00141	1.8218e-03	CTCTCCT-- -YCTCCAA	
NF-kappaB_M00208	2.5053e-03	----CTCTCCT GGGAYTTTCN	
LXR,_M00965	5.2279e-03	-----AGGAGAG--- NRGGTYANNNNAGGNC	
Nrf-2_M00108	6.6057e-03	--AGGAGAG CCGGAAGNS	

M68



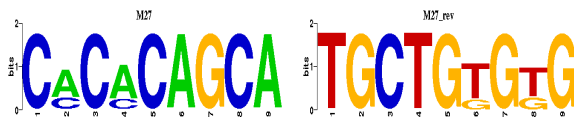
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
GAL4_M00198	1.1297e-05	-----AGGANAG----- NGYTCCGNNANAGNNNNCCG	
GAL4_M00049	7.0310e-05	-----AGGANAG----- STTCGGASNANWGTNNNCCGNN	
NF-kappaB_M00208	8.6419e-05	AGGANAG---- NGGAAARTCCC	
Helios_M01004	1.8419e-04	-CTNTCCT-- NTTTCCTWN	
T3R_M00963	2.1948e-04	-AGGANAG NAGGWCAN	
BPC1_M01126	2.7060e-04	CTNTCCT NTTTC--	
NF-AT_M00302	5.2408e-04	--CTNTCCT-- NNNTTTCWNN	
Elf-1_M00746	8.0767e-04	----AGGANAG NAAGAGGAART	
NF-kappaB_M00194	9.7364e-04	-AGGANAG----- NNGGAAAKTCCCC	
ISGF-3_M00258	9.9784e-04	AGGANAG----- GNGAAANWGAAACT	



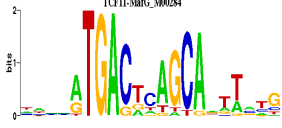







M5



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
FOXP1_M00987	2.1723e-05	TGTGTGTGTGTGTGTGTGTG TATTTGTGTTGTTTTTAT-	
RAP1_M00213	1.3330e-04	TGTGTGTGTGTGTGTGTGTG NRGTATGGGTY-----	
HFH4_M00742	1.9211e-04	TGTGTGTGTGTGTGTGTGTG WKTGTTTGTTTA-----	
CACD_M01113	1.2246e-03	TGTGTGTGTGTGTGTGTGTG -GGYGTY-----	
Egr-3_M00245	1.5070e-03	CACACACACACACACACACA -ACGCCACGCA-----	
Egr-1_M00243	1.9433e-03	TGTGTGTGTGTGTGTGTGTG TGCGTGGGCGK-----	
Egr-2_M00246	3.0318e-03	TGTGTGTGTGTGTGTGTGTG TGCGTGGGCGK-----	
NGFI-C_M00244	3.4404e-03	CACACACACACACACACACA -CCRCCCACGCA-----	
RREB-1_M00257	3.5424e-03	TGTGTGTGTGTGTGTGTGTG -GGGTGTTTGGG-----	
GBF_M00633	8.2213e-03	TGTGTGTGTGTGTGTGTGTG TNGGGTIN-----	

M27



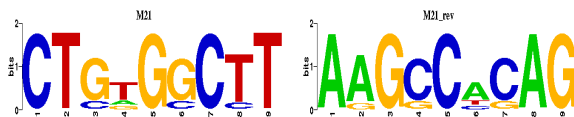
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
Nrf-2_M00821	1.4121e-05	---CACACAGCA NNTGACTCAGCA	
MTF-1_M00650	8.6814e-05	-TGCTGTGTG--- GGGCCGNGTGCAN	
TCF11-MafG_M00284	2.0156e-04	-----CACACAGCA----- NNNNA TGACNCAGCANNTNNG	
v-Maf_M00035	4.7077e-04	---TGCTGTGTG----- NNNTGCNNNGTCAGCANN	
MAF_M00983	7.0129e-04	--CACACAGCA NTGACTCANC-	
LMAF_M01139	1.6034e-03	-TGCTGTGTG CTGCTGAS--	
SMAD4_M00733	1.9510e-03	TGCTGTGTG----- RGNTGKCTGNMYSN	
NF-E2_M00037	2.1024e-03	--CACACAGCA RTGACTCAGC-	
CACD_M01113	2.4783e-03	TGCTGTGTG --GGYG TG	
TGIF_M00418	5.3272e-03	TGCTGTGTG-- -GCTGTCANNW	

M49

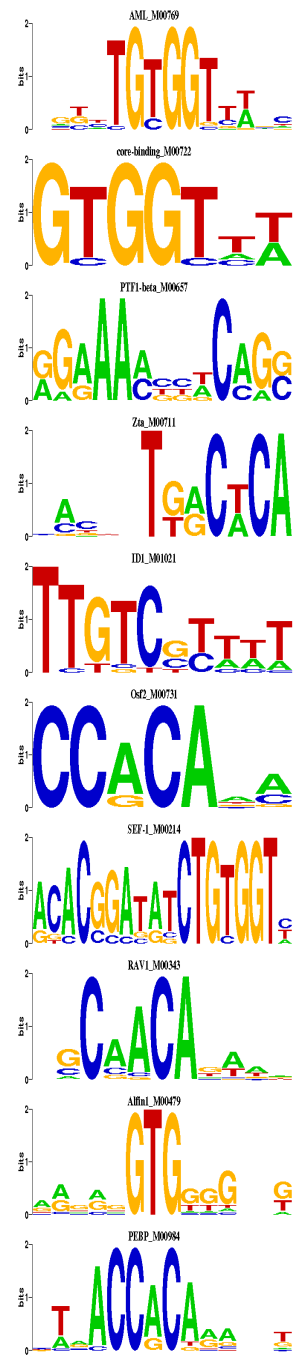


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
SMAD3_M00701	5.5651e-08	ACAGACAGAA --AGNCAGAC	
NRSF_M00256	1.7072e-05	-----ACAGACAGAA-- TCAGCACCACGGACAGCRSC	
TGIF_M00418	8.9872e-05	TTCTGTCTGT- -GCTGTCANNW	
Cdx_M00991	1.2196e-04	-----TTCTGTCTGT TTTATNNTYTNNTYRRT	
SMAD4_M00733	2.2687e-04	TTCTGTCTGT---- RGNTGKCTGNMYSN	
SMAD_M00974	5.3255e-04	TTCTGTCTGT-- --NWGTCGNNN	
ARF_M00438	8.5097e-04	ACAGACAGAA -GAGACAA--	
NRSF_M01028	8.9174e-04	TTCTGTCTGT----- YNCTGTCCRYGGTGTGA	
GAGA_M00723	2.0376e-03	ACAGACAGAA- -SWGAGMGNRA	
GATA-1_M00346	3.2166e-03	TTCTGTCTGT NNTTATCNN-	

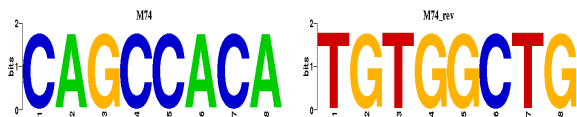
M21













	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
AML_M00769	2.6241e-05	--AAGCCACAG--- NNWRACCACANNNN
core-binding_M00722	7.7510e-05	CTGTGGCTT --GTGGTNW
PTF1-beta_M00657	1.0461e-04	-CTGTGGCTT--- SCTGWNNKTTTCY
Zta_M00711	2.0986e-04	--CTGTGGCTT- NANNNTGRCWCA
ID1_M01021	8.4034e-04	-AAGCCACAG AWAASGACAA
Osf2_M00731	9.8198e-04	-CTGTGGCTT KNTGTGG---
SEF-1_M00214	1.0956e-03	-----CTGTGGCTT ACACGGATATCTGTGGTY-
RAV1_M00343	1.4442e-03	---CTGTGGCTT NNWNTGTTGCN-
Alfin1_M00479	1.9781e-03	AAGCCACAG----- MNNCCCCACNYYN
PEBP_M00984	2.0543e-03	----CTGTGGCTT- NNNNYTGTGGTNAN

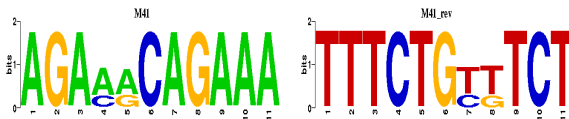


M74



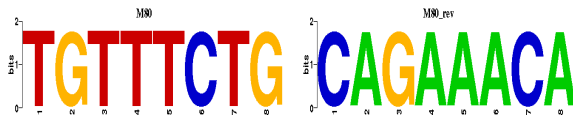
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
SMAD4_M00733	2.7658e-05	-----CAGCCACA- NSRKNCGAMCANCY	
Alfin1_M00479	4.3264e-05	-----TGTGGCTG NRNRNGTG GGGNNK	
Osf2_M00731	1.9997e-04	--TGTGGCTG KNTGTGG---	
GBF_M00633	4.7236e-04	CAGCCACA NACCCNA	
TRAB1_M00507	5.5343e-04	CAGCCACA----- --GNCACRCGTM	
AML_M00769	6.8303e-04	--CAGCCACA----- NNWRACCACANNNN	
GAMYB_M01135	8.5015e-04	--TGTGGCTG-- KNNGTTRYRSN	
LUN-1_M00480	9.2913e-04	-----TGTGGCTG-- TCCCAAAGTAGCTGGG	
Dde_M00304	9.3263e-04	TGTGGCTG--- ---GGCTGAGC	
core-binding_M00722	1.0556e-03	CAGCCACA WNACCAC-	

M41



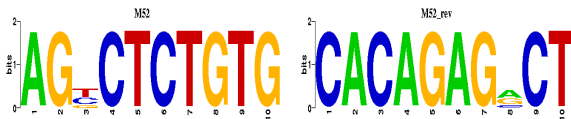
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
DMRT5_M01150	7.8152e-06	AGAAACAGAAA---- -GAMAMWGTAACAAN	
ISGF-3_M00258	1.2103e-05	-AGAAACAGAAA-- GNGAAANWGAAACT	
IRF_M00972	2.1024e-05	AGAAACAGAAA- --AAANWGAAAN	
STE11_M01005	6.2360e-05	TTTCTGTTTCT TTTCTTTGTTT	
IRF_M00772	9.4382e-05	AGAAACAGAAA---- -RRAANTGAAASNNN	
BR-C_M00092	1.0589e-04	---TTTCTGTTTCT- NNNNWNC TATTTNTY	
STE11_M00274	1.9554e-04	----AGAAACAGAAA-- WNNNNAACAAAGAAANW	
BR-C_M00094	2.4681e-04	--AGAAACAGAAA WVRTAAASAWAA-	
Elk-1_M00007	3.3775e-04	-----TTTCTGTTTCT NNGNACTTCCKGTNN--	
HSF_M00167	4.4641e-04	TTTCTGTTTCT--- NTTCNNTTCNNTTC	

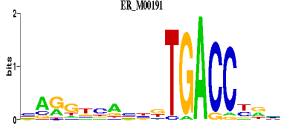

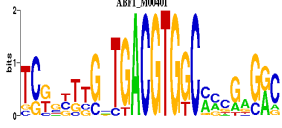

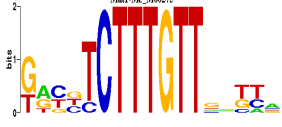





M80



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
FOXP3_M00992	1.2033e-05	--CAGAAACA----- NTMTGNNANAACNNNW	
STE12_M00664	1.7502e-05	TGTTTCTG -GTTTCA-	
AREB6_M00415	7.8617e-05	TGTTTCTG NGTTTSNN	
DMRT5_M01150	2.0004e-04	----CAGAAACA-- GAMAMWGTAAACAAN	
BR-C_M00094	2.6168e-04	---TGTTTCTG- TTWISITTTAYWW	
HFH1_M00129	2.7803e-04	--TGTTTCTG- AWTGTTTATWT	
HFH4_M00742	3.7793e-04	--CAGAAACA-- TAAACAAACAMW	
XFD-2_M00268	4.9204e-04	----TGTTTCTG- YNNWIGTTTATAN	
HFH8_M00294	5.4582e-04	--TGTTTCTG-- NNTGTTTATNYR	
Rim101p_M01030	8.5146e-04	TGTTTCTG- --TTNCTTG	

M52

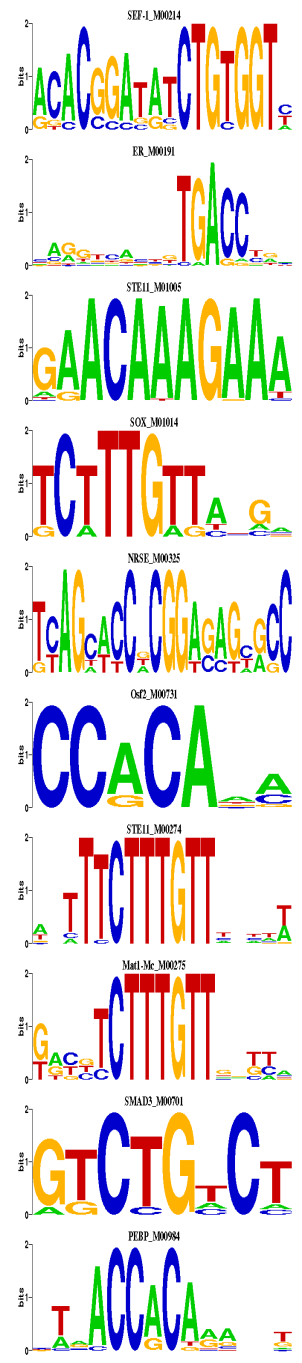


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
ER_M00191	3.1828e-05	--AGYCTCTGTG----- NNRNNNNNNNTGACCNNN	
HSF_M00641	5.9422e-04	--AGYCTCTGTG GAARCYNCKNGA	
ABF1_M00401	1.2575e-03	AGYCTCTGTG----- -GYCNCNNKGCCACGTCANCNANMGA	
SEF-1_M00214	1.5760e-03	---CACAGAGRCT----- RACCACAGATATCCGTGT	
Mat1-Mc_M00275	3.1247e-03	-----CACAGAGRCT NRMNNAACAAAGANRYC	
ARF_M00438	3.4919e-03	CACAGAGRCT- ----GAGACAA	
Osf2_M00731	3.5492e-03	AGYCTCTGTG- ----KNTGTGG	
alpha-CP1_M00687	4.7878e-03	AGYCTCTGTG AGCCAATGAG	
SMAD3_M00701	4.8907e-03	CACAGAGRCT -AGNCAGAC-	
NRSF_M00256	6.1285e-03	-----CACAGAGRCT TCAGCACCACGGACAGCRSC-	

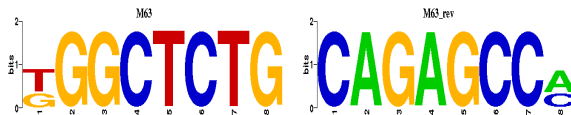
M69








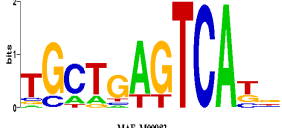




	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
SEF-1_M00214	1.2758e-05	---CACAGAGA----- RACCACAGATATCCGTGT
ER_M00191	4.5748e-05	-----CACAGAGA---- NNNGGTCANNNNNNNYNN
STE11_M01005	1.8570e-04	--TCTCTGTG- TTTCTTTGTTC
SOX_M01014	3.9405e-04	----CACAGAGA NCNTAACAAAGA
NRSE_M00325	9.3913e-04	-----TCTCTGTG----- GGCRCTCTCCGNGGTGCTGA
Osf2_M00731	1.1006e-03	TCTCTGTG- --KNTGTGG
STE11_M00274	1.1813e-03	-----CACAGAGA---- WNNNNAACAAAGAAANW
Mat1-Mc_M00275	1.2867e-03	-----CACAGAGA---- NRMNNAACAAAGANRYC
SMAD3_M00701	1.3728e-03	TCTCTGTG- -GTCTGNCT
PEBP_M00984	1.9223e-03	-TCTCTGTG----- NNNNYTGTGGTNAN

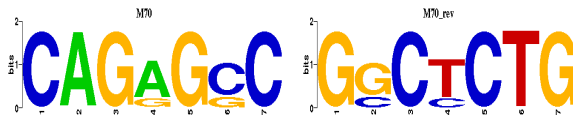












M63



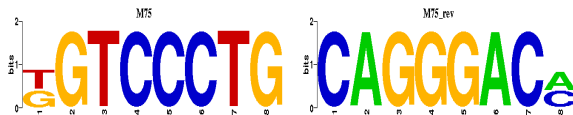
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LF-A1_M00646	2.0956e-05	CAGAGCCM YWGASCC-	
NRSF_M00256	2.6969e-04	KGGCTCTG----- -GSYGCTGTCCGTGGTGCTGA	
ZID_M00085	4.1027e-04	KGGCTCTG----- -GGCTCYATCAYC	
Eve_M00629	7.2474e-04	-CAGAGCCM GCNGNSSWN	
GAGA_M00723	8.5199e-04	--KGGCTCTG TYNCKCTCWS	
Dde_M00304	1.5392e-03	--CAGAGCCM GGCTGAGC--	
ANT_M00501	1.9447e-03	----KGGCTCTG- CMTYGGGAWNTGT	
Nrf-2_M00821	2.3038e-03	--KGGCTCTG-- NNTGACTCAGCA	
MAF_M00983	2.3640e-03	-KGGCTCTG- NTGACTCANC	
NF-E2_M00037	2.9630e-03	-CAGAGCCM- GCTGAGTCAY	




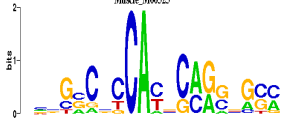





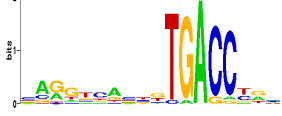
M70



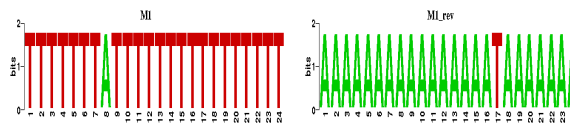
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
LF-A1_M00646	1.6857e-05	CAGAGCC YWGASCC	
Eve_M00629	3.0676e-05	-CAGAGCC- GCNGNSSWN	
NRSF_M00256	3.5134e-05	GGCTCTG----- GSYGCTGTCCGTGGTGCTGA	
ZID_M00085	1.2442e-04	GGCTCTG----- GGCTCYATCAYC	
Dde_M00304	5.2091e-04	--CAGAGCC GGCTGAGC-	
GAGA_M00723	2.9696e-03	---GGCTCTG TYNCKCTCWS	
XPF-1_M00684	3.1940e-03	--GGCTCTG GKTSNYCNG	
HSF_M00641	4.1513e-03	---GGCTCTG-- GAARCYNCKNGA	
CACD_M01113	4.3215e-03	GGCTCTG GGYG TG	
CDC5_M00361	4.3790e-03	----CAGAGCC NSCGTGAGS-	

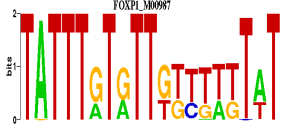

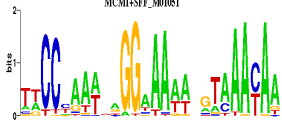
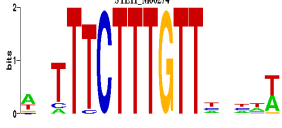




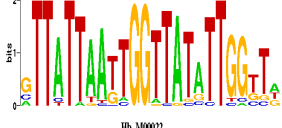
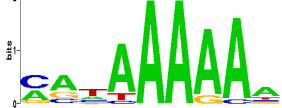
M75



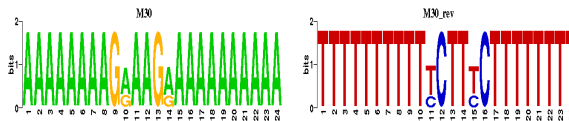
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
PCF5_M00952	1.4492e-04	-KGTCCCTG TGNCCCNN	
NRSF_M00256	1.8021e-04	-----KGTCCCTG----- GSYGCTGTCCGTGGTGCTGA	
NRSF_M01028	3.2854e-04	-----CAGGGACM--- TCAGACCCRYGGACAGNR	
Muscle_M00323	1.0849e-03	KGTCCCTG----- KSCNSCTGNRTGGNGNCNNN	
LXR_M00647	1.3137e-03	--KGTCCCTG----- GGGGTYACTNNGGTCA	
TEIL_M00502	1.5010e-03	CAGGGACM -AGRTWCA	
GATA-4_M00632	1.6957e-03	KGTCCCTG----- --TSYCTKNTATC	
ARF_M00438	3.4433e-03	-KGTCCCTG TTGTCTC--	
TFII-I_M00706	3.4748e-03	KGTCCCTG CCTMCNTC	
ER_M00191	3.4940e-03	-----CAGGGACM--- NNNGGTCANNNNNNNYNN	

M1



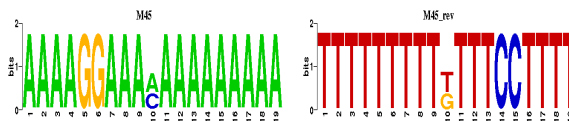
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
FOXP1_M00987	2.0728e-13	AAAAAAAAAAAAAAAAAATAAAAAA -----ATAAAAAACAACACAATA	
BR-C_M00092	9.9995e-11	AAAAAAAAAAAAAAAAAATAAAAAA- -----RANAAATAGNWNNNN	
MCM1+SFF_M01051	2.2915e-09	TTTTTTTATTTTTTTTTTTTTTTTTT--- -TTRTTTANNTWTTNCCNNTTNGNA	
STE11_M00274	1.8823e-07	AAAAAAAAAAAAAAAAAATAAAAAA WNNNNAACAAAGAAANW-----	
HFH1_M00129	1.2822e-06	AAAAAAAAAAAAAAAAAATAAAAAA -----AWATAAACAWT	
Abd-B_M01094	1.4103e-06	TTTTTTTATTTTTTTTTTTTTTTTTT ---TTTTAT-----	
Antp_M01084	3.0868e-06	TTTTTTTATTTTTTTTTTTTTTTTTT ---NTWATKNNTWT-----	
FOX_M00809	3.6094e-06	AAAAAAAAAAAAAAAAAATAAAAAA -----WAAAYAAACANT	
AIRE_M01000	7.1302e-06	TTTTTTTATTTTTTTTTTTTTTTTTT NTTATTAATTGGTTATATTGGKTN	
Hb_M00022	1.0610e-05	TTTTTTTATTTTTTTTTTTTTTTTTT -NTTTTTNYK-----	

M30

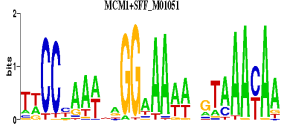


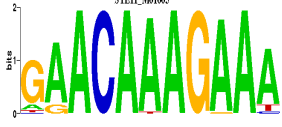
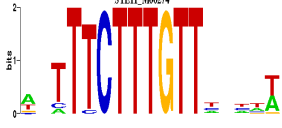
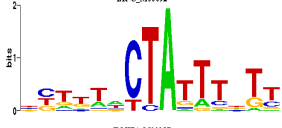
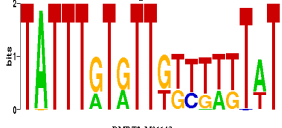





	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STE11_M00274	1.8281e-10	AAAAAAAAAGAAAGAAAAAAAAAAAA -WNNNNAACAAAGAAANW-----	
STE11_M01005	1.6609e-07	TTTTTTTTTTTCTTTCTTTTTTTT -----TTTCTTTGTTC-	
MCM1+SFF_M01051	2.1799e-07	TTTTTTTTTTTCTTTCTTTTTTTT-- TTRTTTANNTWTTNCCNNWTTNGGNA	
FOXP1_M00987	9.0748e-07	TTTTTTTTTTTCTTTCTTTTTTTT ----TATTTGTGTTGTTTTTTAT-	
BR-C_M00094	9.4281e-07	TTTTTTTTTTTCTTTCTTTTTTTT -----TTWSTTTAYWW-----	
BR-C_M00092	1.5383e-06	AAAAAAAAAGAAAGAAAAAAAAAAAA RANAAATAGNWNNNN-----	
HSF_M00163	5.7854e-06	TTTTTTTTTTTCTTTCTTTTTTTT -----NTTCNTTCTNTTC---	
XFD-3_M00269	2.2607e-04	TTTTTTTTTTTCTTTCTTTTTTTT -WKWTTGTTTACWN-----	
Lentiviral_M00318	4.6335e-04	AAAAAAAAAGAAAGAAAAAAAAAAAA --AATAAAG-----	
AG_M01133	4.7381e-04	--AAAAAAAAAGAAAGAAAAAAAAAAAA TWNCAAAAAWGGNAAN-----	

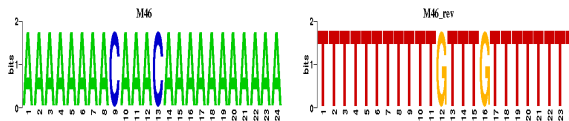
M45



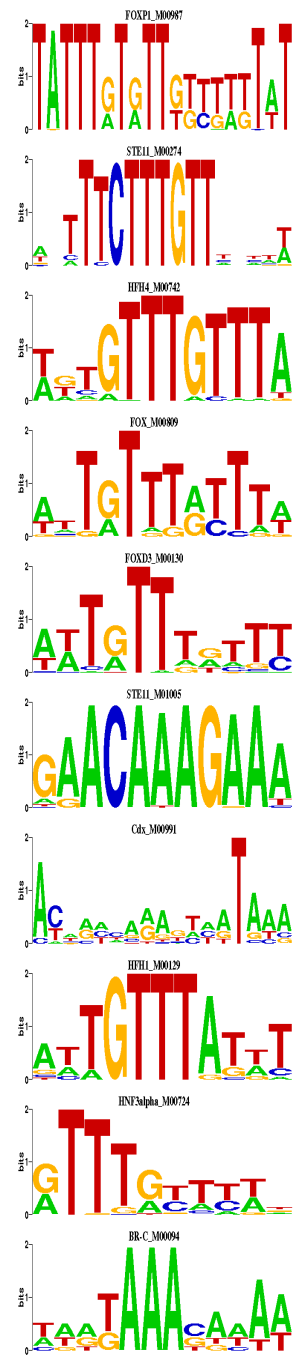
forward *reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MCM1+SFF_M01051	1.7607e-09	-----AAAAGGAAAMAAAAAAAAA-- TNCNAAWNNGGNAAWANNTAAAYAA	
HSF_M00163	1.5450e-08	TTTTTTTTTKTTTCCTTTT NTTCTNTTCTNTTC-----	
XFD-3_M00269	4.0345e-07	TTTTTTTTTKTTTCCTTTT ----WKWTTGTTTACWN--	
STE11_M01005	7.7871e-07	TTTTTTTTTKTTTCCTTTT --TTTCTTTGTTTC-----	
STE11_M00274	1.8375e-06	AAAAGGAAAMAAAAAAAAA --WNNNNAACAAAGAAANW	
BR-C_M00092	2.6459e-06	AAAAGGAAAMAAAAAAAAA-- -----RANAAATAGNWNNNN	
FOXP1_M00987	4.1270e-06	--AAAAGGAAAMAAAAAAAAA ATAAAAAACAACACAAATA--	
DMRT3_M01148	5.0720e-06	AAAAGGAAAMAAAAAAAAA NNAATGTAWCAWN-----	
HFH4_M00742	5.5909e-06	AAAAGGAAAMAAAAAAAAA -----TAAACAAACAMW--	
Helios_M01004	9.5685e-06	TTTTTTTTTKTTTCCTTTT -----NTTTCCTWN-	

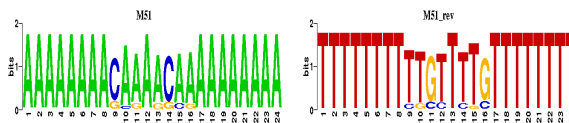
M46



	<i>forward</i>	<i>reverse compliment</i>
<i>Name</i>	<i>E value</i>	<i>Alignment</i>
FOXP1_M00987	2.0728e-13	AAAAAAAACAAACAAAAAAAAAAA -ATAAAAAACAACACAAATA----
STE11_M00274	5.5080e-11	AAAAAAAACAAACAAAAAAAAAAA -WNNNNAACAAAGAAANW-----
HFH4_M00742	6.5039e-11	TTTTTTTTTTTGTGGTTTTTTTT -----WKTGTTTGTTTA----
FOX_M00809	1.1935e-09	TTTTTTTTTTTGTGGTTTTTTTT -----ANTGTTTRTTTW----
FOXD3_M00130	4.2045e-09	AAAAAAAACAAACAAAAAAAAAAA -----AANAAACAWT-----
STE11_M01005	8.2606e-08	TTTTTTTTTTTGTGGTTTTTTTT ----TTCTTTGTTC-----
Cdx_M00991	2.2590e-07	AAAAAAAACAAACAAAAAAAAAAA -----AYNRNNARANNNATAAA
HFH1_M00129	8.0718e-07	AAAAAAAACAAACAAAAAAAAAAA ----AWATAAACAWT-----
HNF3alpha_M00724	9.1628e-07	AAAAAAAACAAACAAAAAAAAAAA ---NWRARCAAAY-----
BR-C_M00094	1.1656e-06	AAAAAAAACAAACAAAAAAAAAAA ----WVRTAAASAWAA-----

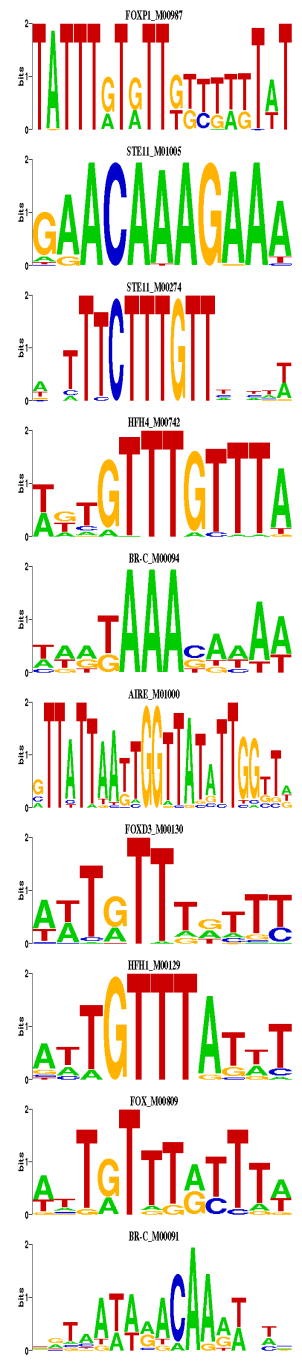


M51

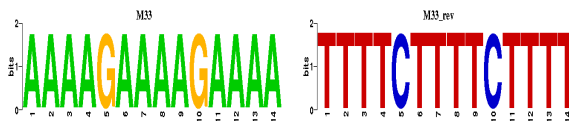










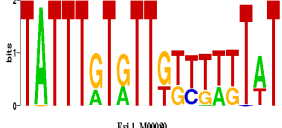

forward *reverse compliment*

<i>Name</i>	<i>E value</i>	<i>Alignment</i>
FOXP1_M00987	1.1102e-16	TTTTTTTTTTGTTTTGTTTTTTTT -----TATTTGTTGTTGTTTTTAT
STE11_M01005	1.0558e-07	TTTTTTTTTTGTTTTGTTTTTTTT ---TTTC TTGTT C-----
STE11_M00274	1.7873e-07	TTTTTTTTTTGTTTTGTTTTTTTT -----WNTTTC TTGTTNNNNW-
HFH4_M00742	1.2291e-06	AAAAAAAAACAAACAAAAAAAAAA -----TAAACAAACAMW---
BR-C_M00094	1.4411e-06	AAAAAAAAACAAACAAAAAAAAAA -WWRTAAASAWAA-----
AIRE_M01000	1.8282e-06	-TTTTTTTTTTGTTTTGTTTTTTTT NTTATTAATTGTTATATTGGKTN-
FOXD3_M00130	1.8640e-06	TTTTTTTTTTGTTTTGTTTTTTTT -----AWTGT TTTNTTT-
HFH1_M00129	1.8953e-06	AAAAAAAAACAAACAAAAAAAAAA -AWATAAACAWT-----
FOX_M00809	2.0076e-06	AAAAAAAAACAAACAAAAAAAAAA WAAAYAAACANT-----
BR-C_M00091	2.6523e-06	-AAAAAAAAACAAACAAAAAAAAAA NNTNATARACAARWNNN-----

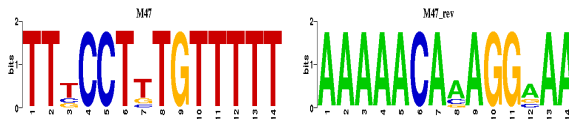


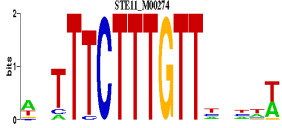




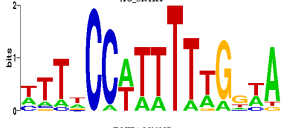
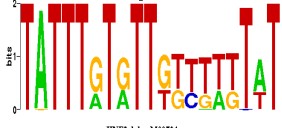
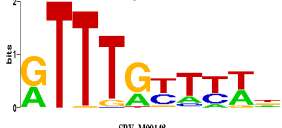


M33



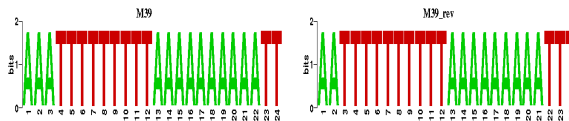
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
HSF_M00163	3.3307e-16	-AAAAGAAAAGAAAA GAANAGAANAGAAN-	
HSF_M00167	2.8125e-10	TTTTCTTTTCTTTT- -NTTCNNTTCNNTTC	
BR-C_M00092	8.9289e-09	AAAAGAAAAGAAAA-- -RANAAATAGNWNNNN	
Evi-1_M00078	9.9267e-09	-AAAAGAAAAGAAAA GAYAAGATAAGATAA	
Evi-1_M00081	3.1188e-07	-AAAAGAAAAGAAAA GATANGANAAGATA-	
STE11_M00274	3.2857e-07	-TTTTCTTTTCTTTT-- WNTTTCITTGTTNNNNW	
HSF_M00166	5.9951e-07	-AAAAGAAAAGAAAA TTCTAGAANAGAAN-	
HSF_M00164	1.3194e-06	AAAAGAAAAGAAAA---- ----GAANAGAANNTTCT	
FOXP1_M00987	2.3635e-06	--AAAAGAAAAGAAAA--- ATAAAAAACAACACAAATA	
Evi-1_M00080	2.8637e-06	TTTTCTTTTCTTTT TTATCTTATC----	

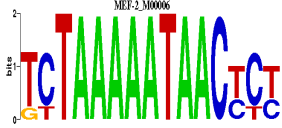

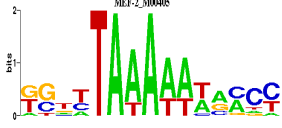






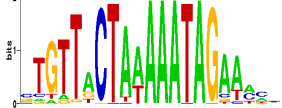
M47



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
STE11_M00274	6.9852e-11	-TTNCCTTTGTTTTT-- WNTTTCCTTTGTTNNNNW	
STE11_M01005	5.3887e-09	TTNCCTTTGTTTTT -TTTCTTTGTTTC--	
HSF_M00163	5.6609e-07	TTNCCTTTGTTTTT NTTCTNTTCTNTTC	
Mat1-Mc_M00276	1.4457e-06	TTNCCTTTGTTTTT ---CNATTGTYN--	
dTCF_M00362	2.7393e-06	TTNCCTTTGTTTTT ----CTTTGATCTT	
AG_M01133	3.8632e-06	-TTNCCTTTGTTTTT- NTTNCWTTTTTTGNWA	
FOXP1_M00987	6.6416e-06	---AAAAACAAAGGNAA-- ATAAAAAACAACACAAATA	
HNF3alpha_M00724	8.8543e-06	AAAAACAAAGGNAA NWRARCAAAY----	
SRY_M00148	1.0288e-05	AAAAACAAAGGNAA ---AACANM-----	
BR-C_M00092	1.3879e-05	AAAAACAAAGGNAA-- -RANAAATAGNWNNNN	

M39



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MEF-2_M00006	1.0134e-06	AATTTTTTTTTTAAAAAAAAAATTT -----TCTAAAAATAACYCY	
HNF3beta_M00131	2.3403e-06	-AAATTTTTTTTTTAAAAAAAAAATT GNANRTRTTTRYTTW-----	
MEF-2_M00405	2.4079e-06	AAATTTTTTTTTTAAAAAAAAAATT --RGKNWTTTTTANNM-----	
FOX_M00809	5.9978e-06	AAATTTTTTTTTTAAAAAAAAAATT -----WAAAYAAACANT--	
HSF_M00164	9.8839e-06	--AAATTTTTTTTTTAAAAAAAAAATT AGAANN TTCNTTC-----	
HFH1_M00129	1.1569e-05	AATTTTTTTTTTAAAAAAAAAATTT -AWTGTTTATWT-----	
MEF-2_M00406	1.3971e-05	AAATTTTTTTTTTAAAAAAAAAATT NGGGTTATTTTTAGM-----	
HFH4_M00742	1.6228e-05	AAATTTTTTTTTTAAAAAAAAAATT -----TAAACAAACAMW--	
FOXD3_M00130	1.9162e-05	AATTTTTTTTTTAAAAAAAAAATTT -AWTGTTTNTTT-----	
MEF-2_M00233	3.0464e-05	-AATTTTTTTTTTAAAAAAAAAATTT NNNTTCTATTTTTAGTAACAN----	

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