

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: JASPAR

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

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Multiple Alignment

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

```

M0 : -----GGGGGGGGGGGGGGG-----
M1 : -----AAAAAAAAAAAAAAAAATAAAAAA
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

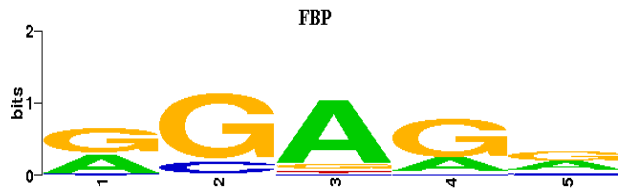
04/30/14

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-----
    
```

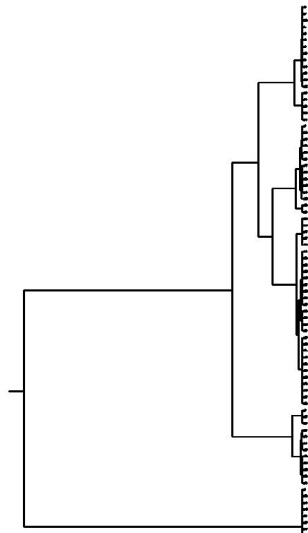
Familial Profile:
[\(click for matrix\)](#)



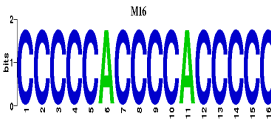
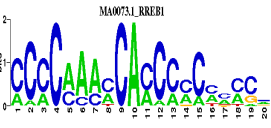
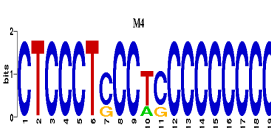
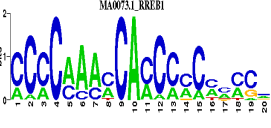

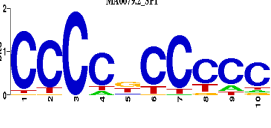

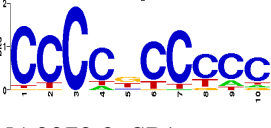

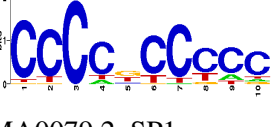
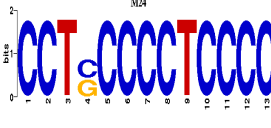
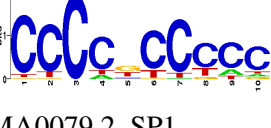

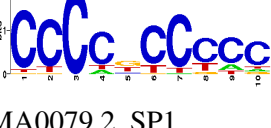

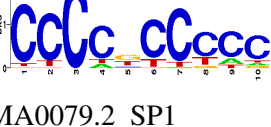
Motif Tree




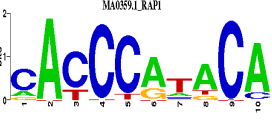


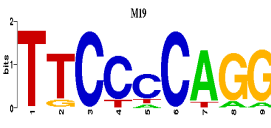
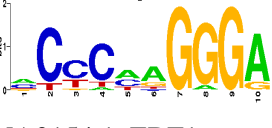
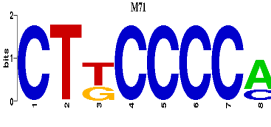
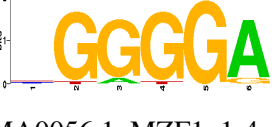



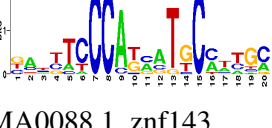


Tree (drawn by [Phylop](#))










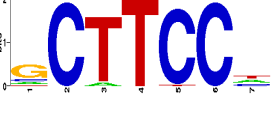
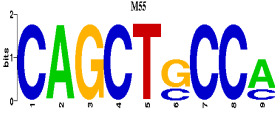

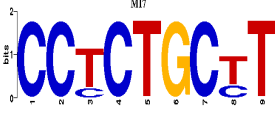
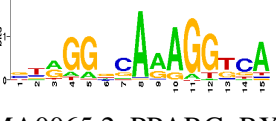


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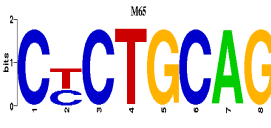




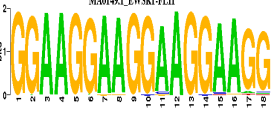




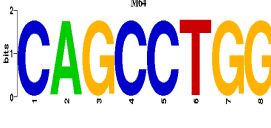
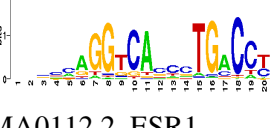



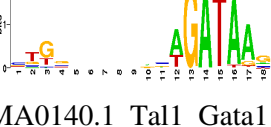



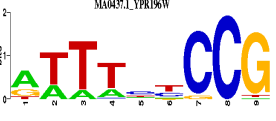
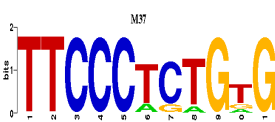


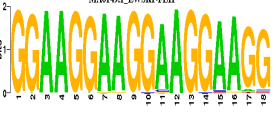
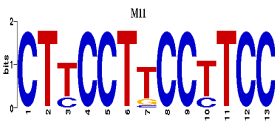
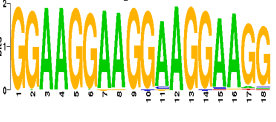
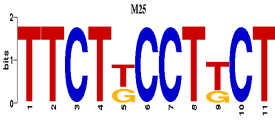
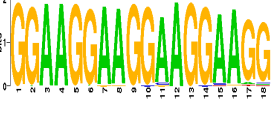


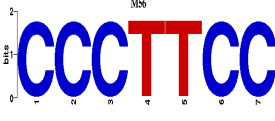
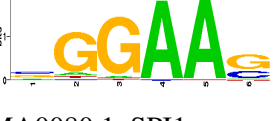
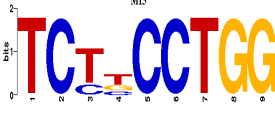
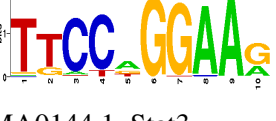
	Input Motif	Best match in JASPAR
M0	<p>M0</p>	<p>MA0068.1_Pax4</p> <p>MA0068.1_Pax4 (E val: 9.2312e-11)</p>
M9	<p>M9</p>	<p>MA0073.1_RREB1</p> <p>MA0073.1_RREB1 (E val: 2.2204e-16)</p>








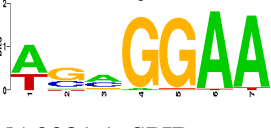
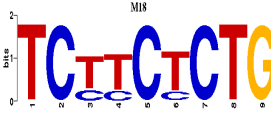






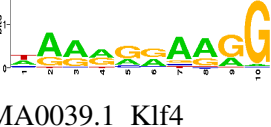
 <p>M16</p>	 <p>MA0073.1_RREB1 (E val: 8.4932e-13)</p>
 <p>M4</p>	 <p>MA0073.1_RREB1 (E val: 4.2514e-09)</p>
 <p>M3</p>	 <p>MA0079.2_SP1 (E val: 9.4103e-09)</p>
 <p>M2</p>	 <p>MA0079.2_SP1 (E val: 4.7411e-08)</p>
 <p>M6</p>	 <p>MA0079.2_SP1 (E val: 8.7144e-11)</p>
 <p>M24</p>	 <p>MA0079.2_SP1 (E val: 8.7690e-10)</p>
 <p>M8</p>	 <p>MA0079.2_SP1 (E val: 4.0190e-14)</p>
 <p>M14</p>	 <p>MA0079.2_SP1 (E val: 7.2140e-09)</p>






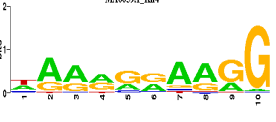



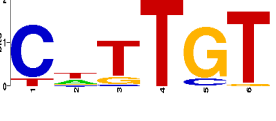


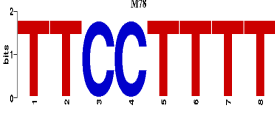



 <p>M31</p>	 <p>MA0039.2_Klf4 (E val: 1.5373e-05)</p>
 <p>M66</p>	 <p>MA0359.1_RAP1 (E val: 3.4947e-06)</p>
 <p>M62</p>	 <p>MA0039.2_Klf4 (E val: 3.0762e-07)</p>
 <p>M19</p>	 <p>MA0154.1_EBF1 (E val: 1.1785e-05)</p>
 <p>M71</p>	 <p>MA0056.1_MZF1_1-4 (E val: 9.8618e-05)</p>
 <p>M54</p>	 <p>MA0432.1_YNR063W (E val: 1.6903e-04)</p>
 <p>M58</p>	 <p>MA0088.1_znf143 (E val: 6.7765e-04)</p>
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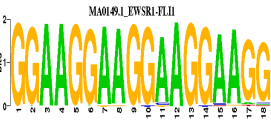
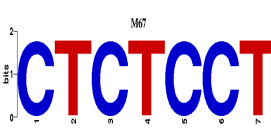




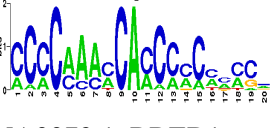

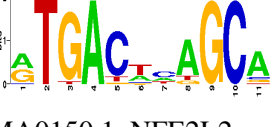

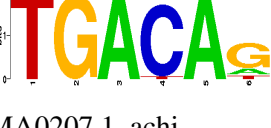



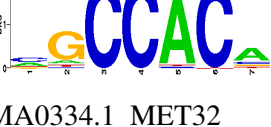
 <p>M7</p>	 <p>MA0402.1_SWI5 (E val: 4.6207e-06)</p>
 <p>M12</p>	 <p>MA0332.1_MET28 (E val: 3.8903e-05)</p>
 <p>M73</p>	 <p>MA0402.1_SWI5 (E val: 3.6272e-06)</p>
 <p>M60</p>	 <p>MA0402.1_SWI5 (E val: 4.4566e-06)</p>
 <p>M23</p>	 <p>MA0305.1_GCR2 (E val: 5.6667e-07)</p>
 <p>M55</p>	 <p>MA0048.1_NHLH1 (E val: 1.6057e-06)</p>
 <p>M17</p>	 <p>MA0065.2_PPARG_RXRA (E val: 1.2807e-04)</p>
 <p>M59</p>	 <p>MA0283.1_CHA4 (E val: 6.1213e-06)</p>




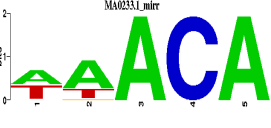





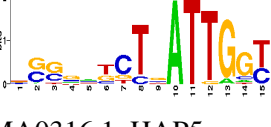

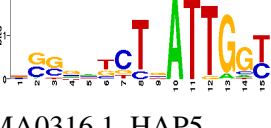


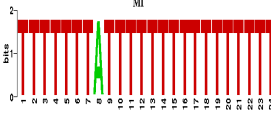

 <p>M65</p>	 <p>MA0385.1_SOK2 (E val: 8.1510e-04)</p>
 <p>M43</p>	 <p>MA0062.1_GABPA (E val: 3.9085e-05)</p>
 <p>M44</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 7.3071e-05)</p>
 <p>M38</p>	 <p>MA0150.1_NFE2L2 (E val: 6.8640e-04)</p>
 <p>M35</p>	 <p>MA0260.1_che-1 (E val: 3.1336e-05)</p>
 <p>M64</p>	 <p>MA0112.2_ESR1 (E val: 6.9771e-04)</p>
 <p>M10</p>	 <p>MA0277.1_AZF1 (E val: 6.8317e-03)</p>
 <p>M15</p>	 <p>MA0140.1_Tal1_Gata1 (E val: 1.0719e-03)</p>

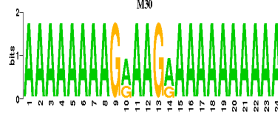

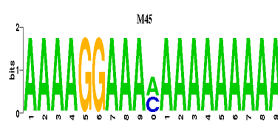

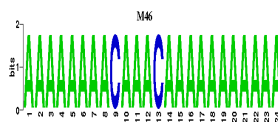
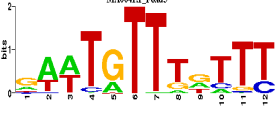
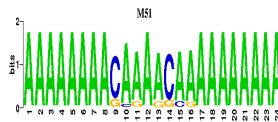





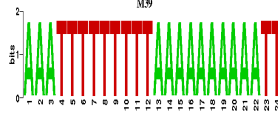

 <p>M77</p>	 <p>MA0437.1_YPR196W (E val: 5.2083e-05)</p>
 <p>M37</p>	 <p>MA0332.1_MET28 (E val: 1.6385e-04)</p>
 <p>M53</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 3.6764e-04)</p>
 <p>M11</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 0.0000e+00)</p>
 <p>M25</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 1.6508e-07)</p>
 <p>M22</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 1.6308e-07)</p>
 <p>M56</p>	 <p>MA0080.1_SPI1 (E val: 1.6170e-05)</p>
 <p>M13</p>	 <p>MA0144.1_Stat3 (E val: 7.9289e-10)</p>

 <p>M57</p>	 <p>MA0340.1_MOT3 (E val: 1.2177e-05)</p>
 <p>M28</p>	 <p>MA0340.1_MOT3 (E val: 7.9530e-05)</p>
 <p>M20</p>	 <p>MA0081.1_SPIB (E val: 6.7187e-08)</p>
 <p>M26</p>	 <p>MA0081.1_SPIB (E val: 4.1251e-07)</p>
 <p>M18</p>	 <p>MA0029.1_Evi1 (E val: 1.4787e-04)</p>
 <p>M72</p>	 <p>MA0451.1_kni (E val: 2.9926e-04)</p>
 <p>M42</p>	 <p>MA0304.1_GCR1 (E val: 4.5656e-08)</p>
 <p>M79</p>	 <p>MA0039.1_Klf4 (E val: 9.7395e-08)</p>

 <p>M29</p>	 <p>MA0277.1_AZF1 (E val: 2.6808e-08)</p>
 <p>M32</p>	 <p>MA0370.1_RME1 (E val: 4.7591e-06)</p>
 <p>M34</p>	 <p>MA0039.1_Klf4 (E val: 5.1025e-07)</p>
 <p>M40</p>	 <p>MA0277.1_AZF1 (E val: 1.4697e-09)</p>
 <p>M50</p>	 <p>MA0442.1_SOX10 (E val: 2.7264e-06)</p>
 <p>M36</p>	 <p>MA0277.1_AZF1 (E val: 2.8743e-11)</p>
 <p>M78</p>	 <p>MA0277.1_AZF1 (E val: 2.5488e-09)</p>
 <p>M76</p>	 <p>MA0156.1_FEV (E val: 8.8522e-09)</p>

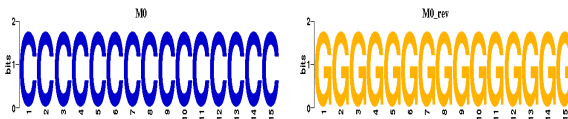
 <p>M48</p>	 <p>MA0149.1_EWSR1-FLI1 (E val: 3.1467e-04)</p>
 <p>M67</p>	 <p>MA0354.1_PDR8 (E val: 1.7061e-04)</p>
 <p>M68</p>	 <p>MA0156.1_FEV (E val: 1.4117e-04)</p>
 <p>M5</p>	 <p>MA0073.1_RREB1 (E val: 1.2448e-05)</p>
 <p>M27</p>	 <p>MA0150.1_NFE2L2 (E val: 1.3212e-06)</p>
 <p>M49</p>	 <p>MA0207.1_achi (E val: 8.6586e-05)</p>
 <p>M21</p>	 <p>MA0332.1_MET28 (E val: 2.4487e-08)</p>
 <p>M74</p>	 <p>MA0334.1_MET32 (E val: 1.5447e-07)</p>

 <p>M41</p>	 <p>MA0277.1_AZF1 (E val: 7.3190e-09)</p>
 <p>M80</p>	 <p>MA0233.1_mirr (E val: 5.2508e-05)</p>
 <p>M52</p>	 <p>MA0332.1_MET28 (E val: 6.7282e-05)</p>
 <p>M69</p>	 <p>MA0332.1_MET28 (E val: 1.7502e-05)</p>
 <p>M63</p>	 <p>MA0316.1_HAP5 (E val: 4.9739e-04)</p>
 <p>M70</p>	 <p>MA0316.1_HAP5 (E val: 5.0517e-05)</p>
 <p>M75</p>	 <p>MA0364.1_REI1 (E val: 1.6870e-04)</p>
 <p>M1</p>	 <p>MA0277.1_AZF1 (E val: 5.7562e-07)</p>

 <p>M30</p>	 <p>MA0277.1_AZF1 (E val: 4.1569e-11)</p>
 <p>M45</p>	 <p>MA0277.1_AZF1 (E val: 1.0824e-08)</p>
 <p>M46</p>	 <p>MA0041.1_Foxd3 (E val: 3.6342e-08)</p>
 <p>M51</p>	 <p>MA0277.1_AZF1 (E val: 1.4377e-07)</p>
 <p>M33</p>	 <p>MA0277.1_AZF1 (E val: 2.5380e-09)</p>
 <p>M47</p>	 <p>MA0277.1_AZF1 (E val: 4.7159e-08)</p>
 <p>M39</p>	 <p>MA0277.1_AZF1 (E val: 5.7562e-07)</p>

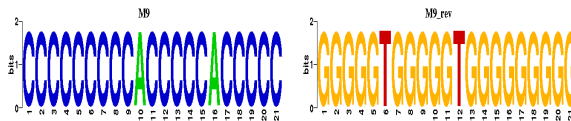
Motif Similarity Matches

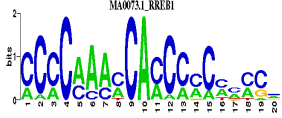
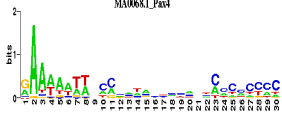
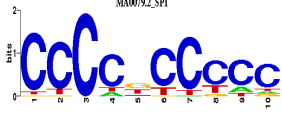
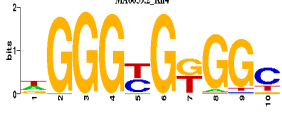



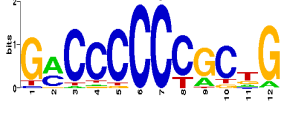


M0



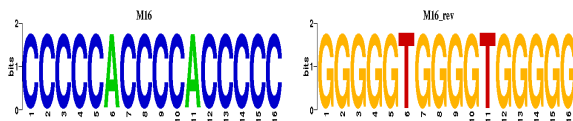
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<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0068.1_Pax4	9.2312e-11	GGGGGGGGGGGGGGGG----- GKRNNNNKNNNNNNNNNNKNNWWWTWT Y	
MA0079.2_SP1	1.2548e-09	CCCCCCCCCCCCCCCC CCCCNCCCC-----	
MA0073.1_RREB1	5.9854e-08	-----GGGGGGGGGGGGGGG NGKKKGKGGGTGKTTTGGGG	
MA0443.1_btd	2.6691e-04	CCCCCCCCCCCCCCCC YCCGCCMCN-----	
MA0456.1_opa	1.0830e-03	--GGGGGGGGGGGGGGGG CNGCGGGGGGKC-----	
MA0163.1_PLAG1	1.5723e-03	GGGGGGGGGGGGGGGG GGGGCCNAAGGGGG--	
MA0039.2_Klf4	3.4117e-03	-CCCCCCCCCCCCCCCC GCCMCRCCCN-----	
MA0341.1_MSN2	5.2481e-03	GGGGGGGGGGGGGGGG AGGGG-----	
MA0140.1_Tal1_Gata1	8.3979e-03	-----CCCCCCCCCCCCCCCC NTTATCTNNNNNNNNNCNN--	
MA0079.1_SP1	9.8712e-03	-CCCCCCCCCCCCCCCC ACCCNGCCNN-----	

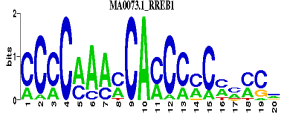
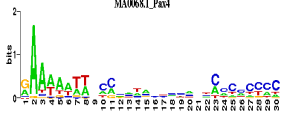
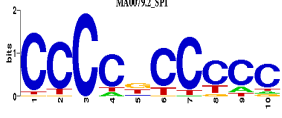
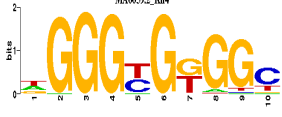






M9



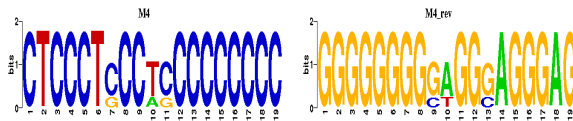
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	2.2204e-16	GGGGGTGGGGGTGGGGGGGGG -NGKKKGKGGGTGKTTTGGGG	
MA0068.1_Pax4	1.5896e-11	GGGGGTGGGGGTGGGGGGGGG----- -GKRNNNNKNNNNNNNNNNNNKNNWWWTWTY	
MA0079.2_SP1	8.4190e-08	CCCCCCCCACCCCCACCCCC -----CCCNCCCC-----	
MA0039.2_Klf4	2.7129e-05	CCCCCCCCACCCCCACCCCC -----GCCMCRCNN-----	
MA0436.1_YPR022C	4.3236e-05	GGGGGTGGGGGTGGGGGGGGG ---NGTGGGG-----	
MA0268.1_ADR1	1.3747e-04	GGGGGTGGGGGTGGGGGGGGG ---KTGGGGN-----	
MA0373.1_RPN4	3.8348e-04	GGGGGTGGGGGTGGGGGGGGG ---GGTGGCG-----	
MA0456.1_opa	7.4132e-04	GGGGGTGGGGGTGGGGGGGGG -----CNGCGGGGGK-----	
MA0443.1_btd	9.3652e-04	CCCCCCCCACCCCCACCCCC YCCGCCMCN-----	
MA0337.1_MIG1	1.0473e-03	GGGGGTGGGGGTGGGGGGGGG ---SYGGGGN-----	

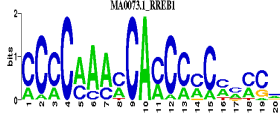
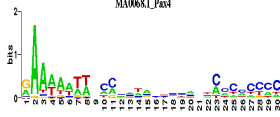
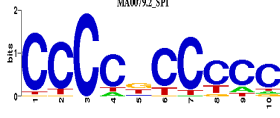

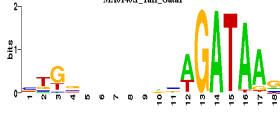
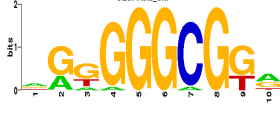
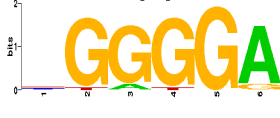



M16



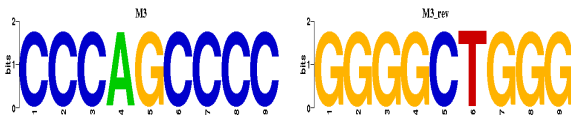
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<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	8.4932e-13	-----GGGGGTGGGGTGGGGG NGKKKGKGGGTGKTTTGGGG-	
MA0068.1_Pax4	4.0044e-09	-----GGGGGTGGGGTGGGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWWTTTY	
MA0079.2_SP1	1.9059e-08	CCCCACCCCACCCC -----CCCNCCCC	
MA0039.2_Klf4	7.7240e-06	CCCCACCCCACCCC GCCMCRCN-----	
MA0436.1_YPR022C	1.9673e-05	GGGGGTGGGGTGGGGG ---NGTGGGG-----	
MA0268.1_ADR1	6.3698e-05	GGGGGTGGGGTGGGGG ----KTGGGN-----	
MA0373.1_RPN4	1.8146e-04	GGGGGTGGGGTGGGGG ---GGTGGCG-----	
MA0443.1_btd	3.2598e-04	CCCCACCCCACCCC- -----YCCGCCMCN	
MA0337.1_MIG1	5.0855e-04	GGGGGTGGGGTGGGGG ----SYGGGN-----	
MA0339.1_MIG3	6.0280e-04	GGGGGTGGGGTGGGGG ---NGYGGG-----	

M4



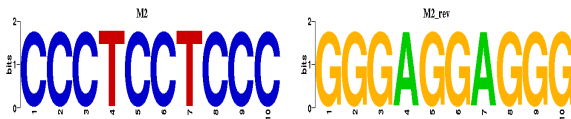
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	4.2514e-09	-GGGGGGGGGAGGGAGGGAG NGKKKGKGGGTGKTTTGGGG	
MA0068.1_Pax4	5.0731e-08	-----CTCCCTCCCTCCCCCCCC RAAWAWWWNNMNNNNNNNNNNMNNNNNYMC-	
MA0079.2_SP1	1.1655e-07	GGGGGGGGGAGGGAGGGAG ----GGGGGNGGGG----	
MA0149.1_EWSR1-FLI1	6.2780e-07	-CTCCCTCCCTCCCCCCCC CCTTCCTTCCTTCCTTCC--	
MA0140.1_Tal1_Gata1	6.2812e-05	CTCCCTCCCTCCCCCCCC-- ---NTTATCTNNNNNNNNCNN	
MA0443.1_btd	1.0471e-04	CTCCCTCCCTCCCCCCCC -----YCCGCCMCN	
MA0056.1_MZF1_1-4	1.0984e-03	GGGGGGGGGAGGGAGGGAG ----NGGGGA-----	
MA0450.1_hkb	1.1742e-03	CTCCCTCCCTCCCCCCCC -----TCACGCCM-	
MA0163.1_PLAG1	1.2636e-03	CTCCCTCCCTCCCCCCCC ---CCCCCTTNGGCC--	
MA0410.1_UGA3	2.4692e-03	CTCCCTCCCTCCCCCCCC -----TCCGCCN--	

M3



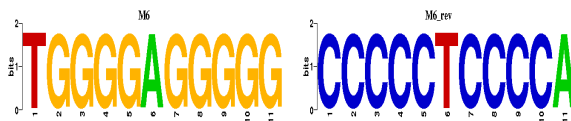
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	9.4103e-09	-GGGGCTGGG GGGGGNGGGG	
MA0039.2_Klf4	2.0947e-04	-CCCAGCCCC GCCMCRCCCN	
MA0079.1_SP1	2.2123e-04	-CCCAGCCCC ACCCNGCCNN	
MA0443.1_btd	3.2322e-04	--GGGGCTGGG NGKGGGCGGR-	
MA0267.1_ACE2	3.9729e-04	GGGGCTGGG --NGCTGGN	
MA0402.1_SWI5	1.2050e-03	-CCCAGCCCC NACCAGCA--	
MA0450.1_hkb	1.6962e-03	CCCAGCCCC TCACGCCCM	
MA0073.1_RREB1	2.5195e-03	-----GGGGCTGGG----- NGKKGKGGGTGKTTTGGG	
MA0341.1_MSN2	2.9116e-03	-GGGGCTGGG AGGGG-----	
MA0342.1_MSN4	2.9123e-03	-GGGGCTGGG AGGGG-----	

M2



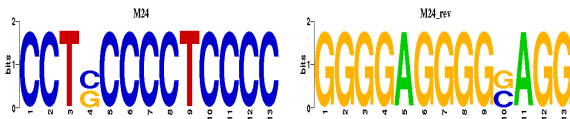
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	4.7411e-08	GGGAGGAGGG-- -GGGGNGGGG	
MA0149.1_EWSR1-FLI1	7.9973e-06	-----CCCTCCTCCC CCTTCCTTCCTTCCTTCC	
MA0283.1_CHA4	2.2440e-04	CCCTCCTCCC -NCTCCGCC-	
MA0068.1_Pax4	5.0253e-04	--GGGAGGAGGG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWT TY	
MA0323.1_IXR1	1.1819e-03	CCCTCCTCCC----- CMCCGCTTCCGGYTT	
MA0090.1_TEAD1	2.7504e-03	GGGAGGAGGG-- CNSWGGAAATGTR	
MA0081.1_SPIB	2.8240e-03	GGGAGGAGGG -ASMGGAA--	
MA0062.1_GABPA	3.0392e-03	CCCTCCTCCC-- --SNCTTCCGGT	
MA0039.1_Klf4	3.2067e-03	CCCTCCTCCC CCTYYYYTTN	
MA0443.1_btd	3.2232e-03	CCCTCCTCCC--- ---YCCGCCMCN	

M6



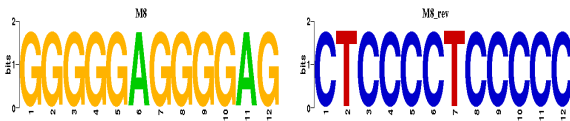
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	8.7144e-11	CCCCCTCCCCA -CCCNCCCCC	
MA0366.1_RGM1	1.0406e-05	CCCCCTCCCCA -CCCCT-----	
MA0342.1_MSN4	1.0929e-05	TGGGGAGGGGG -----AGGGG-	
MA0341.1_MSN2	2.6803e-05	TGGGGAGGGGG -----AGGGG-	
MA0057.1_MZF1_5-13	9.1961e-05	TGGGGAGGGGG-- ---NKAGGGGNAN	
MA0056.1_MZF1_1-4	1.1914e-04	CCCCCTCCCCA -----TCCCN	
MA0039.2_Klf4	2.7479e-04	CCCCCTCCCCA GCCMCRCN-	
MA0068.1_Pax4	8.3642e-04	-----CCCCCTCCCCA--- RAAWAWWWNNMNNNNNNNNNNMNNNNNYMC	
MA0364.1_REI1	1.0709e-03	TGGGGAGGGGG ---NCAGGGG-	
MA0268.1_ADR1	1.2919e-03	-TGGGGAGGGGG KTGGGN-----	

M24



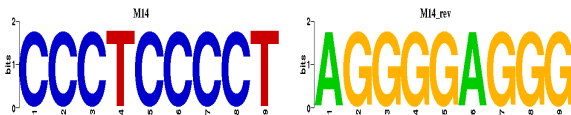
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	8.7690e-10	CCTSCCCCTCCCC- ----CCCCNCCCC	
MA0366.1_RGM1	1.8699e-05	CCTSCCCCTCCCC ----CCCCT-----	
MA0342.1_MSN4	1.9622e-05	GGGGAGGGGSAGG ----AGGGG----	
MA0341.1_MSN2	4.7344e-05	GGGGAGGGGSAGG ----AGGGG----	
MA0140.1_Tal1_Gata1	6.4414e-05	---CCTSCCCCTCCCC- NTTATCTNNNNNNNNC	
MA0057.1_MZF1_5-13	7.6507e-05	GGGGAGGGGSAGG --NKAGGGGNAN-	
MA0068.1_Pax4	8.7455e-05	GGGGAGGGGSAGG----- GKRNNNNKNNNNNNNNNNKNNWWWTWTTY	
MA0039.2_Klf4	1.2571e-04	CCTSCCCCTCCCC ---GCCMCRCN	
MA0056.1_MZF1_1-4	2.2320e-04	CCTSCCCCTCCCC- -----TCCCN	
MA0073.1_RREB1	4.1735e-04	GGGGAGGGGSAGG----- NGKKKGKGGGTGKTTTGGGG	

M8



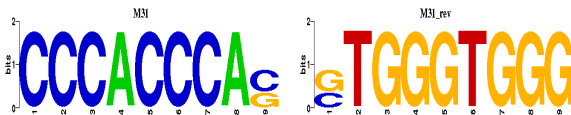
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<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	4.0190e-14	GGGGGAGGGGAG GGGGNGGGG--	
MA0068.1_Pax4	3.0246e-09	---GGGGGAGGGGAG----- GKRNNNNNKNNNNNNNNNNNNKNNWWWTWTTY	
MA0366.1_RGM1	1.5007e-05	CTCCCCTCCCC --CCCCT-----	
MA0342.1_MSN4	1.5750e-05	GGGGGAGGGGAG -----AGGGG--	
MA0443.1_btd	3.7881e-05	-GGGGGAGGGGAG NGKGGGCGGR---	
MA0341.1_MSN2	3.8085e-05	GGGGGAGGGGAG -----AGGGG--	
MA0056.1_MZF1_1-4	1.7505e-04	CTCCCCTCCCC -TCCCN-----	
MA0140.1_Tal1_Gata1	3.4333e-04	-----CTCCCCTCCCC- NTTATCTNNNNNNNNNCNN	
MA0039.2_Klf4	5.2767e-04	CTCCCCTCCCC -GCCMCRCNN-	
MA0283.1_CHA4	6.4739e-04	CTCCCCTCCCC ----NCTCCGCC	

M14



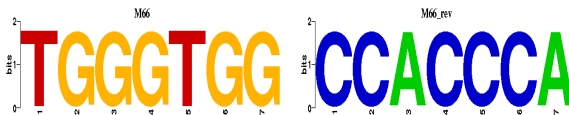
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	7.2140e-09	AGGGGAGGG- GGGGGNGGGG	
MA0366.1_RGM1	3.9735e-06	CCCTCCCCT ----CCCCT	
MA0342.1_MSN4	4.1814e-06	AGGGGAGGG AGGGG----	
MA0341.1_MSN2	1.0637e-05	AGGGGAGGG AGGGG----	
MA0056.1_MZF1_1-4	4.2872e-05	CCCTCCCCT ---TCCCN	
MA0039.1_Klf4	5.3168e-05	-AGGGGAGGG NAARRRAAGG	
MA0443.1_btd	8.9755e-05	-AGGGGAGGG NGKGGGCGGR	
MA0456.1_opa	2.0614e-04	-AGGGGAGGG-- CNGCGGGGGGKC	
MA0364.1_REI1	3.8715e-04	--AGGGGAGGG NCAGGGG----	
MA0112.2_ESR1	4.3033e-04	AGGGGAGGG----- RGGTCANNNTGACCTNNNNN	

M31



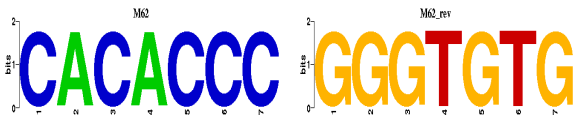
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	1.5373e-05	--CCCACCCAS GCCMCRCCTCCN-	
MA0162.1_Egr1	7.8138e-05	CCCACCCAS--- -MCGCCCACGCN	
MA0073.1_RREB1	9.3095e-05	-STGGGTGGG----- NGKKKGKGGGTGKTTTGGGG	
MA0359.1_RAP1	1.5261e-04	CCCACCCAS--- --CACCCATACA	
MA0009.1_T	2.5814e-04	--CCCACCCAS TTCACACCTAG	
MA0079.2_SP1	2.5913e-04	-CCCACCCAS CCCCNCCCC	
MA0436.1_YPR022C	3.8176e-04	STGGGTGGG- ---NGTGGGG	
MA0373.1_RPN4	5.3199e-04	STGGGTGGG- ---GGTGGCG	
MA0193.1_Lag1	5.9390e-04	CCCACCCAS -CYACCAA-	
MA0268.1_ADR1	1.2789e-03	STGGGTGGG-- ----KTGGGGN	

M66



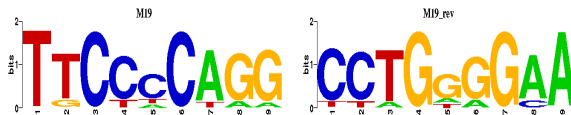
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0359.1_RAP1	3.4947e-06	CCACCCA----- -CACCCATACA	
MA0373.1_RPN4	7.6223e-05	TGGGTGG-- --GGTGGCG	
MA0193.1_Lag1	8.6777e-05	CCACCCA CYACCAA	
MA0073.1_RREB1	9.8457e-05	-----TGGGTGG----- NGKKKGKGGGTGKTTTGGGG	
MA0162.1_Egr1	1.2228e-04	CCACCCA----- MCGCCCACGCN	
MA0039.2_Klf4	1.6365e-04	TGGGTGG-- NGGGYGKGGC	
MA0270.1_AFT2	1.6619e-04	TGGGTGG- NGGGTGTN	
MA0116.1_Zfp423	5.9789e-04	-CCACCCA----- GSMCCYARGGKNC	
MA0332.1_MET28	3.3686e-03	CCACCCA CCACAG-	
MA0130.1_ZNF354C	3.4034e-03	--CCACCCA MTCCAC---	

M62



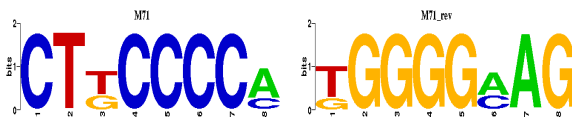
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.2_Klf4	3.0762e-07	--CACACCC-- GCCMCRCCTCN	
MA0270.1_AFT2	3.1401e-07	-GGGTGTG NGGGTGTN	
MA0009.1_T	2.6717e-06	--GGGTGTG-- CTAGGTGTGAA	
MA0450.1_hkb	9.2331e-06	-CACACCC- TCACGCCCM	
MA0392.1_STB5	9.9131e-04	-CACACCC TANNCCG	
MA0359.1_RAP1	9.9934e-04	CACACCC----- --CACCCATACA	
MA0073.1_RREB1	2.0884e-03	-----GGGTGTG----- NGKKKGKGGGTGKTTTGGGG	
MA0332.1_MET28	3.3686e-03	-CACACCC CCACAG--	
MA0086.1_sna	3.4644e-03	CACACCC- --CACCTG	
MA0103.1_ZEB1	3.5618e-03	-GGGTGTG NAGGTG--	

M19



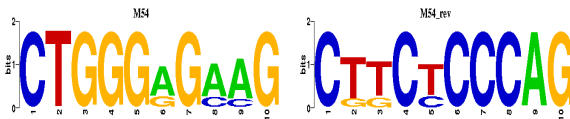
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0154.1_EBF1	1.1785e-05	--CCTGGGGAA TCCCTNNGGN--	
MA0056.1_MZF1_1-4	6.1355e-05	TTCCCCAGG -TCCCCN--	
MA0344.1_NHP10	9.2255e-05	TTCCCCAGG -TCCCCGN	
MA0332.1_MET28	2.3244e-04	TTCCCCAGG --CCACAG--	
MA0268.1_ADR1	5.1216e-04	CCTGGGGAA -KTGGGGN-	
MA0436.1_YPR022C	6.1053e-04	CCTGGGGAA NGTGGGG--	
MA0105.1_NFKB1	7.2840e-04	CCTGGGGAA----- ---GGGGAATCCCC	
MA0081.1_SPIB	8.1454e-04	TTCCCCAGG TTCKST--	
MA0116.1_Zfp423	1.4019e-03	-----CCTGGGGAA- GNMMCCYTRGGKSC	
MA0003.1_TFAP2A	1.4447e-03	-CCTGGGGAA SCNNNNGGC-	

M71



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0056.1_MZF1_1-4	9.8618e-05	TGGGGMAG NNGGGA--	
MA0079.2_SPI1	1.4196e-04	--CTKCCCCA CCCCNCCCC	
MA0080.1_SPI1	1.5645e-04	CTKCCCCA STTCN--	
MA0436.1_YPR022C	3.3973e-04	--TGGGGMAG NGTGGGG---	
MA0105.1_NFKB1	3.9676e-04	TGGGGMAG---- -GGGGAATCCCC	
MA0268.1_ADR1	4.5939e-04	-TGGGGMAG KTGGGGN--	
MA0305.1_GCR2	5.4500e-04	-CTKCCCCA GCTTCN--	
MA0080.2_SPI1	5.8581e-04	-CTKCCCCA ACTTCCT--	
MA0026.1_Eip74EF	9.2876e-04	CTKCCCCA YTCCGG-	
MA0123.1_abi4	1.6078e-03	TGGGGMAG-- NGNNGCRSCG	

M54



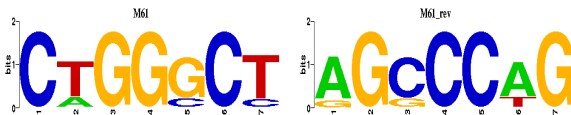
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0432.1_YNR063W	1.6903e-04	CTTCTCCCAG -ATCTCCGA-	
MA0437.1_YPR196W	4.7864e-04	CTGGGAGAAG- --CGGRNAAAT	
MA0140.1_Tal1_Gata1	2.3379e-03	---CTGGGAGAAG----- NNGNNNNNNNAGATAAN	
MA0079.2_SP1	3.7804e-03	CTGGGAGAAG-- --GGGGNGGGG	
MA0354.1_PDR8	4.8225e-03	CTTCTCCCAG -ATCTCCGN-	
MA0152.1_NFATC2	6.0134e-03	CTGGGAGAAG --TGAAAA-	
MA0085.1_Su_H_	6.1647e-03	-----CTTCTCCCAG NNNNNGKTTCCACRN	
MA0193.1_Lag1	7.5713e-03	CTGGGAGAAG TTGGTRG---	
MA0289.1_DAL80	7.5768e-03	CTTCTCCCAG CTTATCG---	
MA0088.1_znf143	7.6110e-03	-----CTGGGAGAAG KCNNKGMANNMTGGGANNNN	

M58



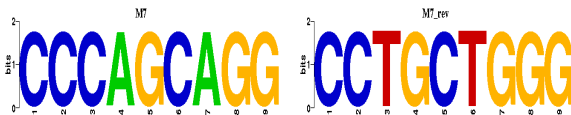
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0088.1_znf143	6.7765e-04	-----CTGGGAG--- KCNNKGMANNMTGGGANNNN	
MA0344.1_NHP10	1.1284e-03	CTCCAG-- -TCCCCGGN	
MA0432.1_YNR063W	1.1767e-03	--CTCCAG ATCTCCGA-	
MA0304.1_GCR1	1.6195e-03	--CTCCAG GGCTTCCA-	
MA0282.1_CEP3	2.7548e-03	CTGGGAG- YTCGGAAN	
MA0056.1_MZF1_1-4	3.5942e-03	CTCCAG -TCCCCN	
MA0193.1_Lag1	3.6554e-03	CTCCAG CYACCAA	
MA0162.1_Egr1	5.0842e-03	-CTCCAG--- MCGCCACGCN	
MA0085.1_Su_H_	5.8979e-03	-----CTCCAG--- NNNNNGKTCCCCACRN	
MA0155.1_INSM1	6.0781e-03	--CTCCAG--- YGCCCCCTGRCA	

M61



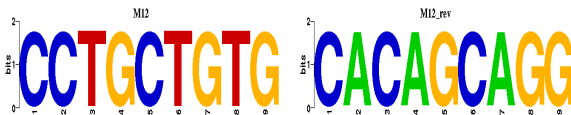
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0368.1_RIM101	5.6064e-04	CTGGGCT CTTGGCR	
MA0320.1_IME1	2.1193e-03	CTGGGCT- CTCGGCG	
MA0083.1_SRF	2.3262e-03	-----CTGGGCT CCATATATGGGC-	
MA0162.1_Egr1	2.8557e-03	-AGCCCAG--- MCGCCCACGCN	
MA0163.1_PLAG1	3.8354e-03	-----CTGGGCT-- CCCCCTTNGGCCCC	
MA0403.1_TBF1	6.6310e-03	-CTGGGCT NTAGGGYT	
MA0267.1_ACE2	1.3481e-02	--CTGGGCT NGCTGGN--	
MA0436.1_YPR022C	1.3554e-02	-CTGGGCT NGTGGGG-	
MA0364.1_REI1	1.4796e-02	-CTGGGCT NCAGGGG-	
MA0268.1_ADR1	1.8031e-02	CTGGGCT KTGGGGN	




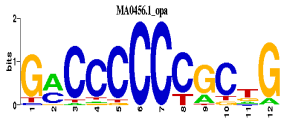




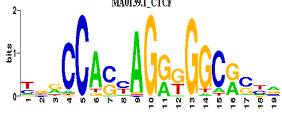
M7



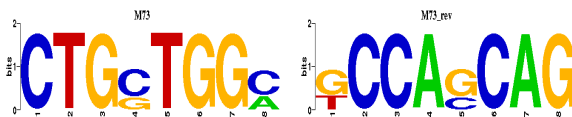
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0402.1_SWI5	4.6207e-06	-CCCAGCAGG NACCAGCA--	
MA0139.1_CTCF	2.2956e-05	--CCCAGCAGG----- YNNCCASYAGGKGGCRSNN	
MA0088.1_znf143	2.4457e-04	-----CCTGCTGGG----- KCNNKGMANNMTGGGANNNN	
MA0267.1_ACE2	3.9729e-04	CCTGCTGGG --NGCTGGN	
MA0456.1_opa	5.9399e-04	-----CCTGCTGGG GMCCCCCGCNG--	
MA0150.1_NFE2L2	2.2182e-03	----CCCAGCAGG RTGACWNAGCA--	
MA0287.1_CUP2	3.1341e-03	CCCAGCAGG----- --CAGCARAAAWG	
MA0055.1_Myf	3.3074e-03	-----CCTGCTGGG MRGCARCTGCTG--	
MA0048.1_NHLH1	4.8280e-03	-CCCAGCAGG-- NCGCAGCTGCGN	
MA0144.1_Stat3	4.9368e-03	CCTGCTGGG- CTTCCNGGAA	

M12



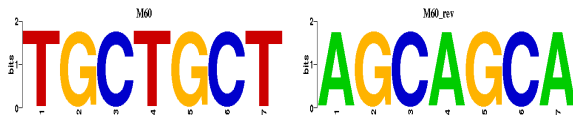
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	3.8903e-05	-CACAGCAGG CCACAG----	
MA0150.1_NFE2L2	1.3292e-04	----CACAGCAGG RTGACWNAGCA--	
MA0454.1_odd	4.5095e-04	--CCTGCTGTG NTGCTACTGTN	
MA0456.1_opa	5.9399e-04	----CCTGCTGTG GMCCCCCGCNG--	
MA0335.1_MET4	1.7580e-03	-CACAGCAGG CCACAGNT--	
MA0402.1_SWI5	1.8083e-03	-CACAGCAGG NACCAGCA--	
MA0287.1_CUP2	3.1341e-03	CACAGCAGG---- --CAGCARAAAWG	
MA0055.1_Myf	3.3074e-03	----CCTGCTGTG MRGCARCTGCTG--	
MA0139.1_CTCF	3.3613e-03	-----CCTGCTGTG-- NNSYGCCMCTRSTGGNNR	
MA0276.1_ASH1	6.1081e-03	-CACAGCAGG CCRNATCRGG	

M73



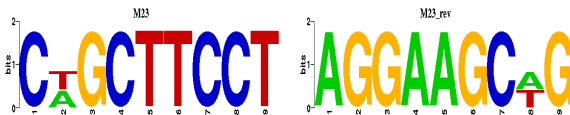
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0402.1_SWI5	3.6272e-06	CTGCTGGC- -TGCTGGTN	
MA0139.1_CTCF	1.9009e-05	--GCCAGCAG----- YNNCCASYAGGKGGCRSNN	
MA0373.1_RPN4	2.4670e-04	-GCCAGCAG CGCCACC--	
MA0267.1_ACE2	3.4662e-04	CTGCTGGC -NGCTGGN	
MA0055.1_Myf	3.6186e-04	GCCAGCAG----- --CAGCAGYTGCYK	
MA0287.1_CUP2	1.5648e-03	-----CTGCTGGC CWTTTTYGCTG--	
MA0193.1_Lag1	2.9006e-03	CTGCTGGC TTGGTRG-	
MA0144.1_Stat3	4.2133e-03	-CTGCTGGC- CTTCCNGGAA	
MA0213.1_brk	4.9479e-03	CTGCTGGC--- ---SYGGCGCY	
MA0092.1_Hand1_T	5.8822e-03	--GCCAGCAG NWNCCAGAYN	




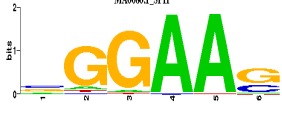


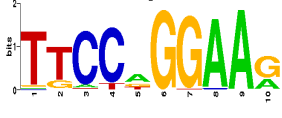

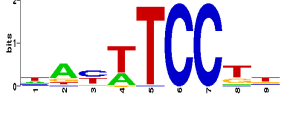

M60



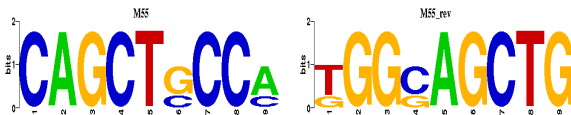
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0402.1_SWI5	4.4566e-06	TGCTGCT- TGCTGGTN	
MA0454.1_odd	3.3794e-05	-TGCTGCT--- NTGCTACTGTN	
MA0055.1_Myf	5.2101e-05	----TGCTGCT- CAGCAGYTGCTG	
MA0138.1_REST	2.3332e-04	--AGCAGCA----- TCAGCACCWNGGACAGCNC	
MA0138.2_REST	3.2255e-04	-----TGCTGCT--- GNNGCTGTCCNNGGTGCTGAN	
MA0287.1_CUP2	7.7181e-04	-AGCAGCA--- CAGCARAAWG	
MA0048.1_NHLH1	1.2300e-03	----TGCTGCT- NCGCAGCTGCGN	
MA0394.1_STP1	1.3137e-03	-AGCAGCA NMGCCGCR	
MA0150.1_NFE2L2	1.9088e-03	TGCTGCT---- TGCTNWTGTCAY	
MA0119.1_TLX1_NFIC	3.5648e-03	-AGCAGCA----- TGGCASNNNGCCAA	

M23



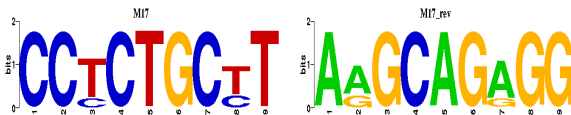
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0305.1_GCR2	5.6667e-07	CWGCTTCCT --GCTTCN	
MA0080.2_SPI1	6.4951e-07	CWGCTTCCT --ACTTCCT	
MA0304.1_GCR1	5.2658e-06	CWGCTTCCT -GGCTTCCA	
MA0080.1_SPI1	9.1317e-05	CWGCTTCCT ---STTCN	
MA0055.1_Myf	1.4272e-04	AGGAAGCWG--- MRGCARCTGCTG	
MA0156.1_FEV	1.6016e-04	CWGCTTCCT- --AYTTCCTG	
MA0144.1_Stat3	2.1586e-04	CWGCTTCCT---- ---CTTCNGGAA	
MA0323.1_IXR1	3.6694e-04	--CWGCTTCCT---- CMCCGCTTCCGGYTT	
MA0136.1_ELF5	3.7812e-04	-AGGAAGCWG NMGGAARTN-	
MA0026.1_Eip74EF	4.1370e-04	CWGCTTCCT- ---YTTCGG	

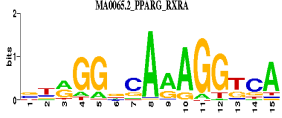


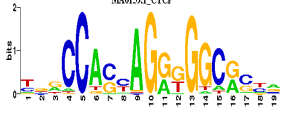
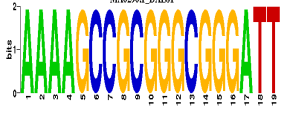

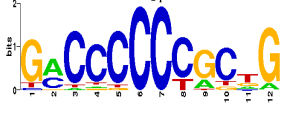

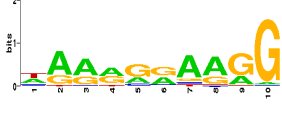
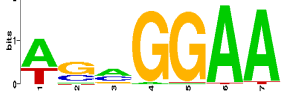
M55



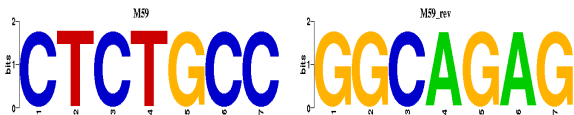
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0048.1_NHLH1	1.6057e-06	TGGCAGCTG--- NCGCAGCTGCGN	
MA0055.1_Myf	2.7271e-06	TGGCAGCTG--- MRGCRCTGCTG	
MA0100.1_Myb	1.0923e-04	CAGCTGCCA CAACNGYC-	
MA0304.1_GCR1	5.1076e-04	CAGCTGCCA -GGCTTCCA	
MA0086.1_sna	6.7186e-04	CAGCTGCCA CACCTG---	
MA0119.1_TLX1_NFIC	6.9540e-04	-----CAGCTGCCA TTGGCNNNSTGCCA	
MA0207.1_achi	1.1924e-03	CAGCTGCCA ---CTGTCA	
MA0227.1_hth	2.1758e-03	CAGCTGCCA ---CTGTCA	
MA0365.1_RFX1	2.8274e-03	CAGCTGCCA -NGTTGCYA	
MA0412.1_UME6	3.1545e-03	---CAGCTGCCA- AwwTAGCCGCCSA	

M17



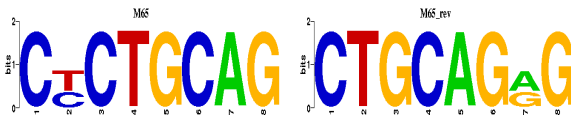
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0065.2_PPARG_RXRA	1.2807e-04	---CCTCTGCTT--- TGMCCTTTGNCCYNN	
MA0417.1_YAP5	1.9462e-04	CCTCTGCTT ---ATGCTT	
MA0364.1_REI1	6.3130e-04	AAGCAGAGG --NCAGGGG	
MA0139.1_CTCF	7.2603e-04	-----CCTCTGCTT----- NNSYGCCMCCRSTTGNNR	
MA0290.1_DAL81	1.0947e-03	-----CCTCTGCTT-- AATCCCGCCCGCGCTTTT	
MA0283.1_CHA4	1.4656e-03	CCTCTGCTT NCTCCGCC-	
MA0456.1_opa	2.5227e-03	AAGCAGAGG--- CNGCGGGGGGKC	
MA0287.1_CUP2	4.6545e-03	--CCTCTGCTT CWTTYTGCTG	
MA0039.1_Klf4	4.7892e-03	CCTCTGCTT- CCTTYYYYTTN	
MA0081.1_SPIB	4.8587e-03	--CCTCTGCTT TTCKST----	





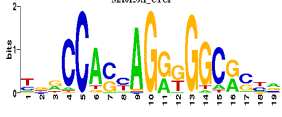
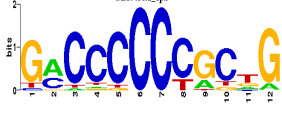




M59



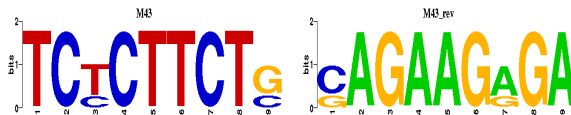
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0283.1_CHA4	6.1213e-06	-CTCTGCC NCTCCGCC	
MA0065.2_PPARG_RXRA	7.0172e-06	----CTCTGCC---- TGMCCTTGNCCYNN	
MA0062.1_GABPA	6.2175e-05	CTCTGCC--- SNCTTCCGGT	
MA0114.1_HNF4A	2.0123e-03	--GGCAGAG---- RGNNCAAAGKNCA	
MA0320.1_IME1	2.9659e-03	CTCTGCC- CTCGGCGG	
MA0140.1_Tal1_Gata1	3.1334e-03	---CTCTGCC----- NTTATCTNNNNNNNNCNN	
MA0278.1_BAS1	3.8314e-03	-----CTCTGCC----- NNNWNVTGACTCNGGCYNNNN	
MA0092.1_Hand1_T	5.2520e-03	--GGCAGAG- NWNCCAGAYN	
MA0123.1_abi4	7.5493e-03	---GGCAGAG NGNNGCRSCG	
MA0150.1_NFE2L2	1.0403e-02	----CTCTGCC RTGACWNAGCA	




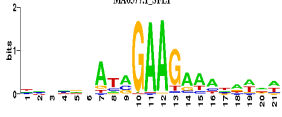
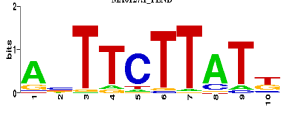

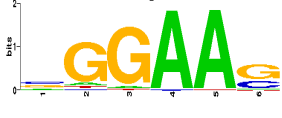
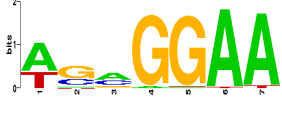
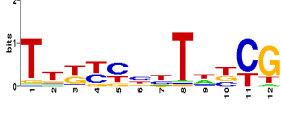
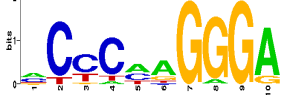
M65



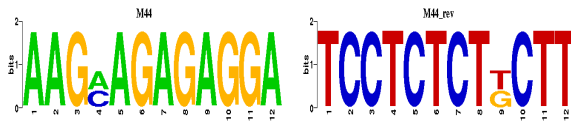
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0385.1_SOK2	8.1510e-04	--CTGCAGRG-- NNMTGCAKNNN	
MA0320.1_IME1	2.5799e-03	CTGCAGRG CCGCCGAG	
MA0150.1_NFE2L2	2.6890e-03	----CYCTGCAG RTGACWNAGCA--	
MA0364.1_REI1	3.1714e-03	CTGCAGRG-- --NCAGGGG	
MA0139.1_CTCF	4.3710e-03	-----CYCTGCAG----- NNSYGCCMCTRSTGGNNR	
MA0456.1_opa	4.7071e-03	CTGCAGRG---- CNGCGGGGGGKC	
MA0254.1_vvl	4.8558e-03	CYCTGCAG -TATKCA-	
MA0283.1_CHA4	5.2181e-03	CTGCAGRG-- -GGCGGAGN	
MA0055.1_Myf	9.3067e-03	CYCTGCAG----- --CAGCAGYTGCYK	
MA0062.1_GABPA	1.2569e-02	CYCTGCAG-- SNCTTCCGGT	

M43







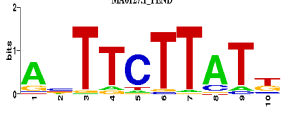





	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0062.1_GABPA	3.9085e-05	--CAGAAGAGA ACCGGAAGNS-	
MA0287.1_CUP2	6.0123e-04	CAGAAGAGA-- CAGCARAAAWG	
MA0277.1_AZF1	2.1318e-03	TCTCTTCTG TTTCTTTTT	
MA0377.1_SFL1	5.3781e-03	-----TCTCTTCTG----- WNWNNWTCTTCNNTNNNNNN	
MA0127.1_PEND	9.0812e-03	---CAGAAGAGA MATAAGAANT--	
MA0026.1_Eip74EF	1.1510e-02	-CAGAAGAGA CCGGAAR---	
MA0080.1_SPI1	1.7418e-02	CAGAAGAGA NGGAAS---	
MA0081.1_SPIB	1.8285e-02	TCTCTTCTG -TTCKST-	
MA0120.1_id1	1.8451e-02	CAGAAGAGA--- CGNNANRRMNA	
MA0154.1_EBF1	1.8702e-02	TCTCTTCTG- TCCCTNGGNN	

M44

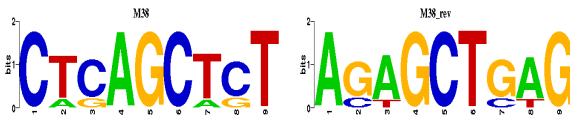


forward

reverse compliment

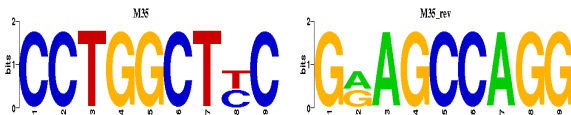
Name	E value	Alignment	Motif
MA0149.1_EWSR1-FL11	7.3071e-05	---TCCTCTCTKCTT--- CCTTCCTTCCTTCCTTCC	
MA0081.1_SPIB	8.4878e-05	-TCCTCTCTKCTT TTCKST-----	
MA0277.1_AZF1	3.0459e-04	TCCTCTCTKCTT ---TTTCTTTTT	
MA0287.1_CUP2	9.9256e-04	AAGMAGAGAGGA CAGCARAAAWG-	
MA0127.1_PEND	4.7479e-03	---AAGMAGAGAGGA MATAAGAANT-----	
MA0323.1_IXR1	6.7734e-03	---TCCTCTCTKCTT CMCCGCTTCCGGYTT	
MA0371.1_ROX1	1.0255e-02	AAGMAGAGAGGA GAGAACAATNGR	
MA0062.1_GABPA	1.1597e-02	TCCTCTCTKCTT-- ----SNCTTCCGGT	
MA0417.1_YAP5	1.4508e-02	TCCTCTCTKCTT -----ATGCTT	
MA00445.1_D	1.5041e-02	TCCTCTCTKCTT NCYATTGTTNT-	

M38



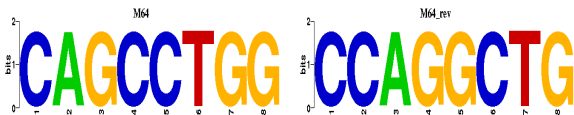
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0150.1_NFE2L2	6.8640e-04	AGAGCTGAG---- --TGCTNNGWTCAY	
MA0048.1_NHLH1	1.7229e-03	--AGAGCTGAG-- NCGCAGCTGCGN	
MA0117.1_Mafb	2.8476e-03	--CTCAGCTCT NNNTCAGC---	
MA0316.1_HAP5	3.1887e-03	----CTCAGCTCT-- ACCAATNAGMNSSN	
MA0335.1_MET4	4.5654e-03	-CTCAGCTCT CCACAGNT--	
MA0138.1_REST	6.7121e-03	CTCAGCTCT----- -TCAGCACCCWNGGACAGCNC	
MA0138.2_REST	9.3619e-03	CTCAGCTCT----- NTCAGCACCCNNGGACAGCNCN	
MA0389.1_SRD1	1.0054e-02	CTCAGCTCT-- ---AGATCTNN	
MA0320.1_IME1	1.1707e-02	CTCAGCTCT CTCGGCGG-	
MA0283.1_CHA4	1.4986e-02	AGAGCTGAG-- --GC G GAGN	

M35



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0260.1_che-1	3.1336e-05	CCTGGCTYC ---GGYTTTC	
MA0304.1_GCR1	1.3376e-04	CCTGGCTYC-- ---GGCTTCCA	
MA0213.1_brk	1.7350e-04	GRAGCCAGG RGCGCCRS-	
MA0263.1_ttx-3_c	4.7546e-04	CCTGGCTYC----- ATTGGYTTMGTTAR	
MA0145.1_Tcfcp2l1	1.0234e-03	CCTGGCTYC----- -CYGGNTNNRNCYGG	
MA0149.1_EWSR1-FLI1	1.8484e-03	----CCTGGCTYC----- CCTTCCTTCCTTCCTTC	
MA0323.1_IXR1	1.9749e-03	CCTGGCTYC----- CMCCGCTTCCGGYTT	
MA0368.1_RIM101	2.1210e-03	GRAGCCAGG --YGCCAAG	
MA0305.1_GCR2	3.3734e-03	--GRAGCCAGG NGGAAGC----	
MA0092.1_Hand1_T	5.9255e-03	GRAGCCAGG-- -NWNCCAGAYN	

M64





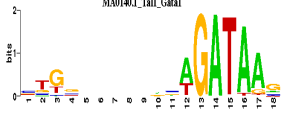
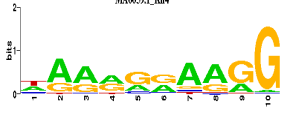
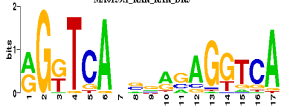




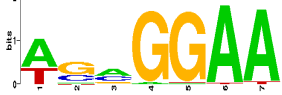
forward

reverse compliment

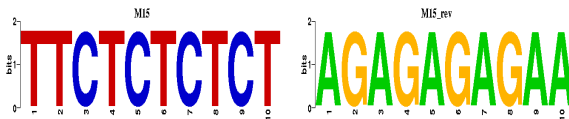
Name	E value	Alignment	Motif
MA0112.2_ESR1	6.9771e-04	---CCAGGCTG----- RGGTCANNNTGACCTNNNNN	
MA0144.1_Stat3	1.4888e-03	CAGCCTGG-- CTTCCNGGAA	
MA0344.1_NHP10	3.3990e-03	--CCAGGCTG TCCCCGGN--	
MA0456.1_opa	4.2747e-03	----CCAGGCTG GMCCCCCGCNG	
MA0086.1_sna	6.4886e-03	CAGCCTGG -CACCTG-	
MA0138.1_REST	6.6432e-03	----CAGCCTGG----- TCAGCACWNGGACAGCNC	
MA0340.1_MOT3	9.4999e-03	CAGCCTGG -TRCCTN-	
MA0116.1_Zfp423	1.2644e-02	--CAGCCTGG----- GNMMCCYTRGGKKSC	
MA0138.2_REST	1.3531e-02	-----CCAGGCTG----- GNNGCTGTCCNNGGTGCTGAN	
MA0364.1_REI1	2.0384e-02	CCAGGCTG NCAGGG-	

M10



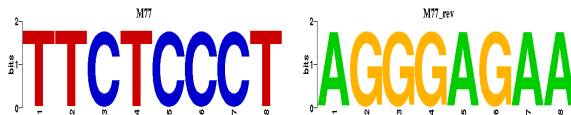
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	6.8317e-03	AGAGAGAGA AAAAAGAAA	
MA0205.1_Tr1	9.1893e-03	-AGAGAGAGA NNGAGAGNNR	
MA0140.1_Tal1_Gata1	1.1257e-02	-----AGAGAGAGA----- NNGNNNNNNNNAGATAAN	
MA0039.1_Klf4	2.1497e-02	TCTCTCTCT- CCTTYYTTN	
MA0159.1_RXR_RAR_DR5	2.5942e-02	---TCTCTCTCT----- TGACCTNYNNNTGAMCY	
MA0050.1_IRF1	3.4038e-02	----TCTCTCTCT GGTTTCRNTTN-	
MA0298.1_FZF1	3.8021e-02	AGAGAGAGA TGATAG---	
MA0057.1_MZF1_5-13	3.8756e-02	-TCTCTCTCT NTNCCCCTMN	
MA0207.1_achi	4.4982e-02	TCTCTCTCT -CTGTCA--	
MA0081.1_SPIB	4.9710e-02	TCTCTCTCT TTCKST--	

M15



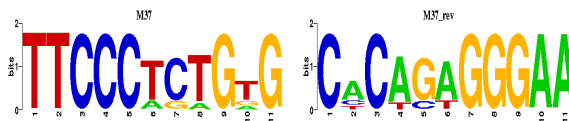
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0140.1_Tal1_Gata1	1.0719e-03	-TTCTCTCTCT----- NTTATCTNNNNNNNNCNN	
MA0050.1_IRF1	2.2467e-03	AGAGAGAGAA--- -NAAANYGAAACC	
MA0277.1_AZF1	3.3884e-03	-TTCTCTCTCT TTTCTTTTT--	
MA0051.1_IRF2	5.3007e-03	AGAGAGAGAA----- SGAAAGYGAAASYNWWNN	
MA0120.1_id1	1.4282e-02	AGAGAGAGAA-- CGNNANNRRMNA	
MA0205.1_Trl	1.7518e-02	-AGAGAGAGAA NNGAGAGNNR-	
MA0081.1_SPIB	2.1824e-02	-TTCTCTCTCT TTCKST----	
MA0011.1_br_Z2	2.4321e-02	TTCTCTCTCT WNCTATTT--	
MA0437.1_YPR196W	2.7430e-02	AGAGAGAGAA-- ---CGGRNAAAT	
MA0307.1_GLN3	3.6044e-02	TTCTCTCTCT TTAC-----	




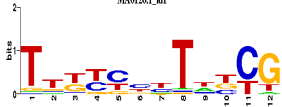
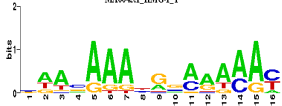



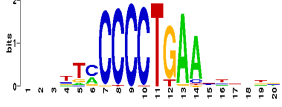

M77



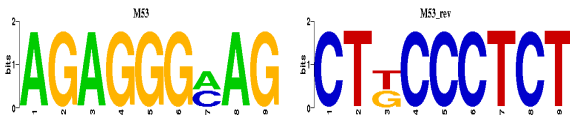
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0437.1_YPR196W	5.2083e-05	AGGGAGAA-- -CGGRNAAAT	
MA0432.1_YNR063W	2.5867e-04	AGGGAGAA TCGGAGAT	
MA0057.1_MZF1_5-13	6.2153e-04	--AGGGAGAA NKAGGGGNAN	
MA0354.1_PDR8	6.2682e-04	TTCTCCCT ATCTCCGN	
MA0152.1_NFATC2	9.8224e-04	AGGGAGAA -TGAAAA	
MA0428.1_YKL222C	1.0884e-03	TTCTCCCT- ATYTCCGTN	
MA0080.2_SPI1	1.2216e-03	TTCTCCCT -ACTTCT	
MA0366.1_RGM1	1.7687e-03	AGGGAGAA AGGGG---	
MA0342.1_MSN4	1.9583e-03	TTCTCCCT ---CCCCT	
MA0120.1_id1	2.2556e-03	----AGGGAGAA CGNNANNRRMNA	

M37



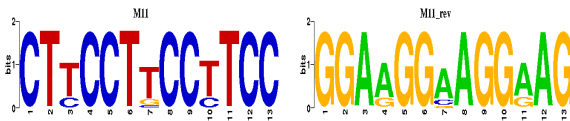
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	1.6385e-04	TTCCTCTGTG- -----CTGTGG	
MA0081.1_SPIB	3.5284e-04	TTCCTCTGTG -TTCKST---	
MA0442.1_SOX10	3.7523e-03	CACAGAGGGAA -ACAAWG----	
MA0120.1_id1	4.7273e-03	CACAGAGGGAA- CGNNANNRRMNA	
MA0045.1_HMG-I_Y	4.9188e-03	----TTCCTCTGTG- RTTTYKNYNTTNTNN	
MA0454.1_odd	5.6457e-03	TTCCTCTGTG NTGCTACTGTN	
MA0091.1_TAL1_TCF3	6.0784e-03	-TTCCTCTGTG NNAMCATCTGKT	
MA0366.1_RGM1	6.3388e-03	CACAGAGGGAA -----AGGGG-	
MA0413.1_USV1	6.5885e-03	-----CACAGAGGGAA- NNNNNTTCAGGGGKANNNN	
MA0335.1_MET4	7.2346e-03	-CACAGAGGGAA CCACAGNT----	


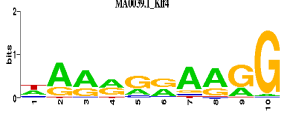

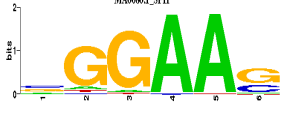

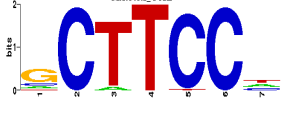


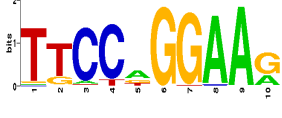

M53



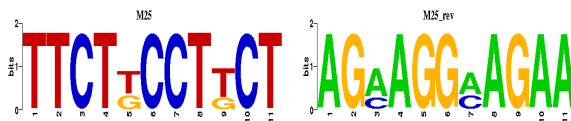
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	3.6764e-04	-----CTKCCCTCT----- CCTTCCTTCCTTCCTTCC	
MA0139.1_CTCF	4.6196e-04	-----AGAGGGMAG-- YNNCCASYAGGKGGCRSNN	
MA0080.1_SPI1	9.0198e-04	CTKCCCTCT STTCN---	
MA0081.1_SPIB	1.2031e-03	CTKCCCTCT --TTCKST	
MA0039.1_Klf4	1.4920e-03	AGAGGGMAG- NAARRRAAGG	
MA0079.2_SP1	1.7376e-03	--CTKCCCTCT CCCCNCCCCC-	
MA0159.1_RXR_RAR_DR5	2.3158e-03	-----AGAGGGMAG RGKTCANNNRNAGGTCA-	
MA0305.1_GCR2	2.8598e-03	AGAGGGMAG- ---NGGAAGC	
MA0366.1_RGM1	2.9116e-03	AGAGGGMAG --AGGGG--	
MA0080.2_SPI1	3.0419e-03	-CTKCCCTCT ACTTCT---	

M11



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FL11	0.0000e+00	-CTTCCTTCCTTCC----- CCTTCCTTCCTTCCTTCC	
MA0039.1_Klf4	2.6584e-06	GGAAGGAAGGAAG NAARRRAAGG----	
MA0080.2_SPI1	7.5669e-06	CTTCCTTCCTTCC ---ACTTCT---	
MA0080.1_SPI1	4.7856e-04	CTTCCTTCCTTCC ----STTCN---	
MA0156.1_FEV	1.6282e-03	-CTTCCTTCCTTCC AYTTCCTG-----	
MA0305.1_GCR2	2.1508e-03	GGAAGGAAGGAAG ---NGGAAGC---	
MA0370.1_RME1	2.7115e-03	CTTCCTTCCTTCC-- -----TNCCTTNNNA	
MA0026.1_Eip74EF	2.7121e-03	CTTCCTTCCTTCC YTCCGG-----	
MA0144.1_Stat3	3.0075e-03	CTTCCTTCCTTCC-- ----CTCCNGGAA	
MA0136.1_ELF5	4.5649e-03	GGAAGGAAGGAAG-- -----NMGGAARTN	

M25

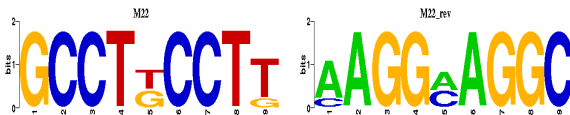


forward

reverse compliment

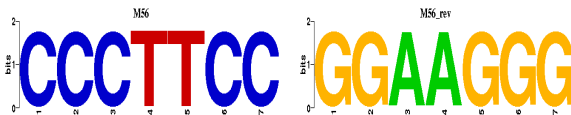
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FL11	1.6508e-07	---TTCTKCCTTCT--- CCTTCCTTCCTTCCTTC	
MA0080.2_SPI1	1.2763e-05	TTCTKCCTTCT -ACTTCCT---	
MA0156.1_FEV	5.7655e-04	TTCTKCCTTCT -AYTTCCTG--	
MA0080.1_SPI1	8.1639e-04	TTCTKCCTTCT --STTCN---	
MA0045.1_HMG-I_Y	1.2609e-03	-TTCTKCCTTCT---- RTTTYKNYNTTNTNN	
MA0026.1_Eip74EF	1.6108e-03	AGAAGGMAGAA --CCGGAAR--	
MA0062.1_GABPA	1.9963e-03	AGAAGGMAGAA -ACCGGAAGNS	
MA0277.1_AZF1	2.2064e-03	TTCTKCCTTCT --TTTCTTTT	
MA0039.1_Klf4	2.2296e-03	AGAAGGMAGAA NAARRRAAGG-	
MA0144.1_Stat3	2.4279e-03	TTCTKCCTTCT- --CTTCNGGAA	

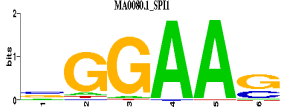
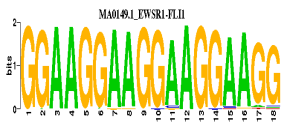

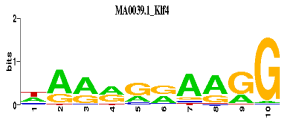




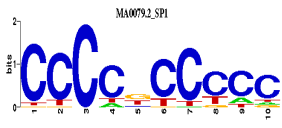

M22



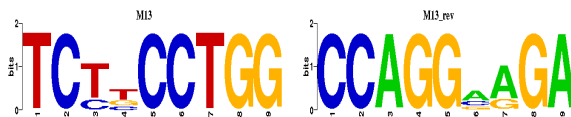
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	1.6308e-07	GCCTKCCTT----- -CCTTCCTTCCTTCCTTCC	
MA0039.1_Klf4	2.4477e-06	--AAGGMAGGC NAARRRAAGG-	
MA0080.2_SPI1	1.0405e-05	GCCTKCCTT -ACTTCCT-	
MA0370.1_RME1	6.5394e-04	GCCTKCCTT---- ---TNCCTTTNNA	
MA0080.1_SPI1	8.5658e-04	GCCTKCCTT --STTCN-	
MA0156.1_FEV	9.7976e-04	GCCTKCCTT -AYTTCCTG	
MA0304.1_GCR1	1.2418e-03	GCCTKCCTT GGCTTCCA-	
MA0144.1_Stat3	1.2660e-03	GCCTKCCTT--- --CTTCNGGAA	
MA0340.1_MOT3	1.4139e-03	GCCTKCCTT ---TRCCTN	
MA0136.1_ELF5	2.4399e-03	AAGGMAGGC NMGGAARTN	

M56



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0080.1_SPI1	1.6170e-05	CCCTTCC- --STTCN	
MA0149.1_EWSR1-FLI1	1.8672e-05	-----CCCTTCC CCTTCCTTCCTTCCTTC	
MA0305.1_GCR2	5.2491e-05	CCCTTCC- -GCTTCN	
MA0039.1_Klf4	5.3457e-05	CCCTTCC---- -CCTTYYYTTN	
MA0080.2_SPI1	5.7192e-05	CCCTTCC- -ACTTCCT	
MA0062.2_GABPA	7.0228e-05	--CCCTTCC-- NNCACTTCCGG	
MA0062.1_GABPA	8.9216e-05	CCCTTCC--- SNCTTCCGGT	
MA0026.1_Eip74EF	9.9006e-05	CCCTTCC-- --YTTCCGG	
MA0079.2_SP1	1.7399e-04	--GGAAGGG- GGGGNGGGG	
MA0304.1_GCR1	1.7783e-04	CCCTTCC- GGCTTCCA	










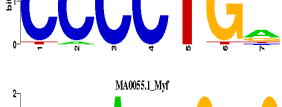
M13



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0144.1_Stat3	7.9289e-10	TCTNCCTGG-- -CTTCCNGGAA	
MA0156.1_FEV	1.0188e-06	TCTNCCTGG AYTTCCTG-	
MA0026.1_Eip74EF	2.4694e-06	CCAGGNAGA -CCGGAAR-	
MA0080.2_SPI1	2.5237e-06	TCTNCCTGG ACTTCCT--	
MA0062.1_GABPA	3.5983e-06	CCAGGNAGA- ACCGGAAGNS	
MA0080.1_SPI1	2.9343e-04	TCTNCCTGG -STTCN--	
MA0076.1_ELK4	7.1365e-04	TCTNCCTGG ACTTCCGGT	
MA0137.2_STAT1	7.4470e-04	-TCTNCCTGG----- NNYTTCCNGGAANN	
MA0305.1_GCR2	1.1234e-03	CCAGGNAGA --NGGAAGC	
MA0136.1_ELF5	1.3545e-03	CCAGGNAGA- -NMGGAARTN	

M57



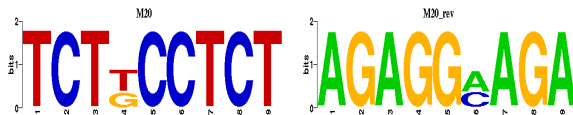
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0340.1_MOT3	1.2177e-05	CTGCCTG -TRCCTN	
MA0144.1_Stat3	4.3744e-05	CTGCCTG--- CTTCCNGGAA	
MA0156.1_FEV	9.5266e-05	-CTGCCTG AYTTCCTG	
MA0026.1_Eip74EF	4.3523e-04	CTGCCTG YTTCCGG	
MA0080.2_SPI1	4.6119e-04	-CTGCCTG ACTTCCT-	
MA0086.1_sna	3.4527e-03	CTGCCTG -CACCTG	
MA0417.1_YAP5	3.8911e-03	CAGGCAG -AAGCAT	
MA0062.1_GABPA	8.0292e-03	--CTGCCTG- SNCTTCCGGT	
MA0364.1_REI1	1.0481e-02	-CAGGCAG NCAGGGG-	
MA0055.1_Myf	1.1315e-02	-----CTGCCTG CAGCAGYTGCYK-	









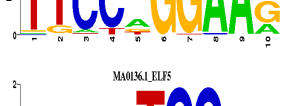
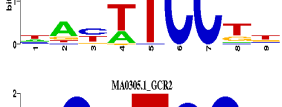
M28



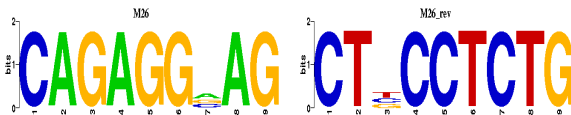
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0340.1_MOT3	7.9530e-05	TCTGCCTTT --TRCCTN-	
MA0370.1_RME1	6.5074e-04	TCTGCCTTT--- --TNCCTTTNNA	
MA0039.1_Klf4	9.4335e-04	-AAAGGCAGA NAARRRAAGG	
MA0459.1_tll	1.1483e-03	TCTGCCTTT- KTTGACTTTT	
MA0080.2_SPI1	3.3012e-03	TCTGCCTTT ACTTCCT--	
MA0053.1_MNB1A	3.9155e-03	TCTGCCTTT ----NCTTT	
MA0064.1_PBF	3.9155e-03	TCTGCCTTT ----RCTTT	
MA0062.1_GABPA	5.2201e-03	AAAGGCAGA- ACCGGAAGNS	
MA0092.1_Hand1_T	7.0378e-03	AAAGGCAGA-- -NWNCCAGAYN	
MA0065.2_PPARG_RXRA	7.6872e-03	-----TCTGCCTTT- TGMCCTTTGNCCYNN	







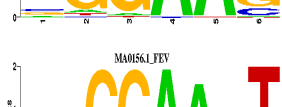


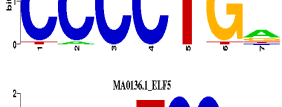
M20



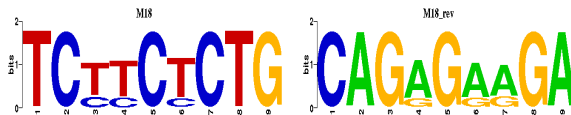
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	6.7187e-08	TCTKCCTCT --TTCKST	
MA0080.2_SPI1	4.7657e-06	TCTKCCTCT ACTTCCT--	
MA0062.1_GABPA	2.4250e-05	AGAGGMAGA- ACCGGAAGNS	
MA0039.1_Klf4	1.0980e-04	-AGAGGMAGA NAARRRAAGG	
MA0080.1_SPI1	4.5417e-04	TCTKCCTCT -STTCN--	
MA0370.1_RME1	6.0389e-04	TCTKCCTCT--- --TNCCTTTNNA	
MA0156.1_FEV	6.8096e-04	TCTKCCTCT AYTTCCTG-	
MA0144.1_Stat3	7.5808e-04	TCTKCCTCT-- -CTTCNGGAA	
MA0136.1_ELF5	1.4628e-03	AGAGGMAGA- -NMGGAARTN	
MA0305.1_GCR2	1.5927e-03	AGAGGMAGA --NGGAAGC	



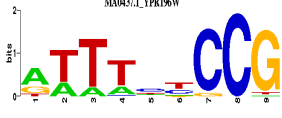


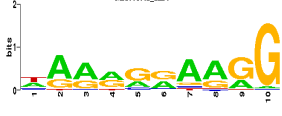


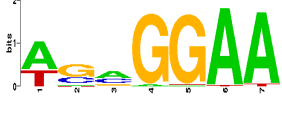

M26



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	4.1251e-07	CTNCCTCTG -TTCKKST-	
MA0370.1_RME1	1.0876e-05	CTNCCTCTG-- -TNCCTTTNNA	
MA0080.2_SPI1	2.0698e-05	-CTNCCTCTG ACTTCCT---	
MA0090.1_TEAD1	1.9259e-04	---CTNCCTCTG YACATTCCWSNG	
MA0039.1_Klf4	3.0331e-04	CAGAGGNAG- NAARRRAAGG	
MA0080.1_SPI1	1.5500e-03	CTNCCTCTG STTCN---	
MA0156.1_FEV	1.9392e-03	-CTNCCTCTG AYTTCCTG--	
MA0144.1_Stat3	2.0339e-03	CTNCCTCTG- CTTCNGGAA	
MA0364.1_REI1	2.1601e-03	-CAGAGGNAG NCAGGGG---	
MA0136.1_ELF5	3.5133e-03	CAGAGGNAG-- --NMGGAARTN	






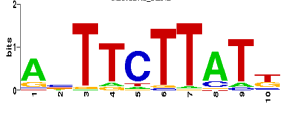


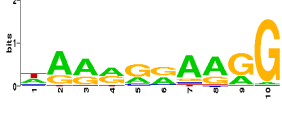

M18



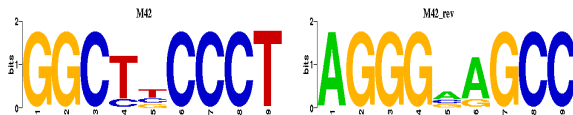
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0029.1_Evi1	1.4787e-04	-----TCTTCTCTG NNTTATCTTRTCTN	
MA0377.1_SFL1	6.9832e-04	-----CAGAGAAGA----- NNNNNNNANNGAAGAWNNNWNW	
MA0437.1_YPR196W	1.5348e-03	CAGAGAAGA CGGRNAAAT	
MA0035.2_Gata1	2.1241e-03	-TCTTCTCTG- NNNTTATCTNN	
MA0287.1_CUP2	3.8904e-03	CAGAGAAGA-- CAGCARAAAWG	
MA0039.1_Klf4	4.1863e-03	-CAGAGAAGA NAARRRAAGG	
MA0289.1_DAL80	4.7551e-03	CAGAGAAGA -CGATAAG-	
MA0371.1_ROX1	5.5769e-03	CAGAGAAGA----- --GAGAACAATNGR	
MA0081.1_SPIB	5.5832e-03	-TCTTCTCTG TTCKST---	
MA0354.1_PDR8	8.8359e-03	-CAGAGAAGA NCGGAGAT--	

M72



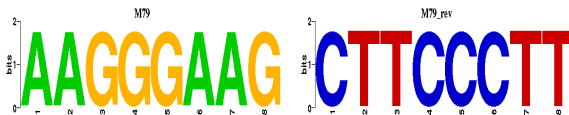
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0451.1_kni	2.9926e-04	CTKCTCT----- NTGCTCTANTTT	
MA0035.2_Gata1	3.3365e-04	--CTKCTCT-- NNNTTATCTNN	
MA0029.1_Evi1	1.7498e-03	-----CTKCTCT- NNTTATCTTRTCTN	
MA0289.1_DAL80	2.4820e-03	AGAGMAG CGATAAG	
MA0326.1_MAC1	3.2654e-03	-CTKCTCT TTTGCTCR	
MA0127.1_PEND	3.3524e-03	--AGAGMAG- MATAAGAANT	
MA0300.1_GAT1	5.0284e-03	-AGAGMAG NNGATAAG	
MA0377.1_SFL1	5.2195e-03	-----AGAGMAG----- NNNNNNANNGAAGAWNNNWNW	
MA0039.1_Klf4	5.7114e-03	-CTKCTCT-- CCTTYYYYTTN	
MA0277.1_AZF1	9.1347e-03	CTKCTCT-- TTTCTTTTT	

M42



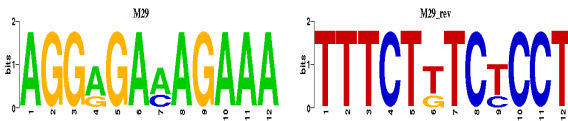
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0304.1_GCR1	4.5656e-08	GGCTNCCCT GGCTTCCA-	
MA0305.1_GCR2	3.5484e-06	AGGGNAGCC -NGGAAGC-	
MA0260.1_che-1	8.6187e-06	GGCTNCCCT GGYTTC---	
MA0105.1_NFKB1	5.3372e-05	AGGGNAGCC-- GGGGAATCCCC	
MA0061.1_NF-kappaB	3.1270e-04	--GGCTNCCCT GGGAMTTYCC-	
MA0080.1_SPI1	3.9565e-04	GGCTNCCCT --STTCN-	
MA0039.1_Klf4	5.4394e-04	GGCTNCCCT-- -CCTTYYYTTN	
MA0366.1_RGM1	1.2018e-03	GGCTNCCCT ----CCCCT	
MA0080.2_SPI1	1.4243e-03	GGCTNCCCT -ACTTCCT-	
MA0101.1_REL	1.4891e-03	AGGGNAGCC-- -GGAAWNYCCN	

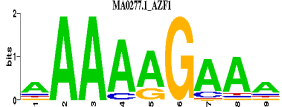
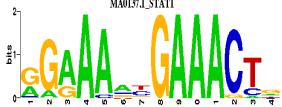
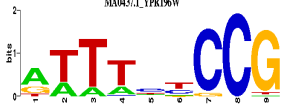
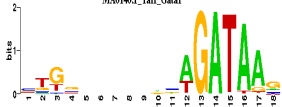
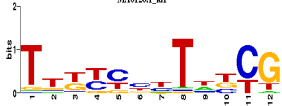
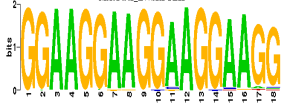

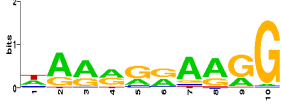
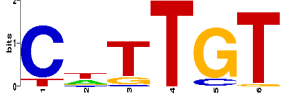

M79



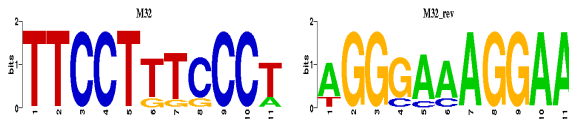
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	9.7395e-08	-AAGGGAAG- NAARRRAAGG	
MA0080.1_SPI1	4.2939e-05	CTTCCCTT STTCN--	
MA0154.1_EBF1	1.3573e-04	CTTCCCTT---- --TCCCTNGGGN	
MA0305.1_GCR2	1.6884e-04	-CTTCCCTT GCTTCN--	
MA0080.2_SPI1	1.8260e-04	-CTTCCCTT ACTTCCT--	
MA0370.1_RME1	2.5242e-04	CTTCCCTT--- -TNCCTTNNNA	
MA0026.1_Eip74EF	3.0129e-04	CTTCCCTT YTCCGG-	
MA0076.1_ELK4	3.9181e-04	-CTTCCCTT ACTTCGGT	
MA0120.1_id1	4.1477e-04	----AAGGGAAG CGNNANNRRMNA	
MA0062.1_GABPA	5.3053e-04	--CTTCCCTT SNCTTCGGT	

M29



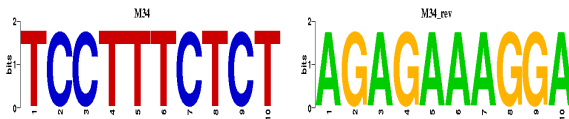
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	2.6808e-08	TTTCTTTCTCCT TTTCTTTT---	
MA0137.1_STAT1	6.9373e-06	---TTTCTTTCTCCT NAGTTTCNNTTTCY-	
MA0437.1_YPR196W	1.7449e-05	AGGAGAAAGAAA CGGRNAAAT---	
MA0140.1_Tal1_Gata1	3.5967e-04	----AGGAGAAAGAAA-- NNGNNNNNNNNAGATAAN	
MA0120.1_id1	6.0134e-04	AGGAGAAAGAAA- -CGNNANNRRMNA	
MA0149.1_EWSR1-FLI1	1.9792e-03	--TTTCTTTCTCCT---- CCTTCCTTCCTTCCTTCC	
MA0287.1_CUP2	2.9686e-03	TTTCTTTCTCCT- --CWTTTTYTGCTG	
MA0039.1_Klf4	4.0813e-03	AGGAGAAAGAAA-- ----NAARRRAAGG	
MA0442.1_SOX10	4.3166e-03	TTTCTTTCTCCT ---CWTTGT---	
MA0460.1_ttk	4.9713e-03	TTTCTTTCTCCT- ----RTTATCCTK	

M32



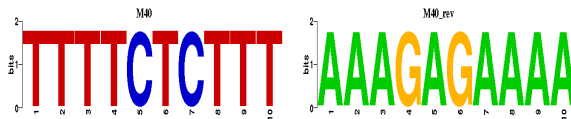
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0370.1_RME1	4.7591e-06	TTCCTTTCCT TNCCTTTNNA-	
MA0137.1_STAT1	2.2910e-05	AGGGAAAGGAA---- -RGAAANNGAAACTN	
MA0039.1_Klf4	2.9688e-05	TTCCTTTCCT- --CCTTYYYTNN	
MA0051.1_IRF2	5.5092e-05	----AGGGAAAGGAA--- SGAAAGYGAAASYNWNN	
MA0277.1_AZF1	2.1495e-04	AGGGAAAGGAA- ---AAAAAGAAA	
MA0065.2_PPARG_RXRA	2.8703e-04	-TTCCTTTCCT--- TGMCCTTTGNCCYNN	
MA0120.1_id1	3.5583e-04	AGGGAAAGGAA-- -CGNNANRRMNA	
MA0081.1_SPIB	5.3934e-04	TTCCTTTCCT TTCKST----	
MA0080.2_SPI1	1.1881e-03	--TTCCTTTCCT ACTTCT-----	
MA0152.1_NFATC2	1.6167e-03	AGGGAAAGGAA -TGAAAA---	

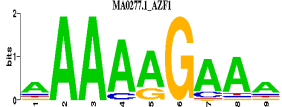

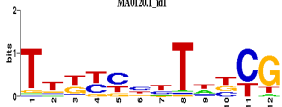


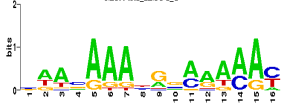

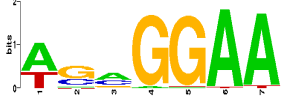


M34



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	5.1025e-07	-AGAGAAAGGA NAARRRAAGG-	
MA0081.1_SPIB	2.0919e-04	TCCTTTCTCT ---TTCKST	
MA0051.1_IRF2	2.8515e-04	----TCCTTTCTCT---- NNWWNRSTTTTCRCTTTCS	
MA0149.1_EWSR1-FLI1	3.1085e-04	-AGAGAAAGGA----- GGAAGGAAGGAAGGAAGG	
MA0370.1_RME1	3.2481e-04	-TCCTTTCTCT TNCCTTTNNA-	
MA0277.1_AZF1	7.6570e-04	TCCTTTCTCT-- ---TTTCTTTT	
MA0437.1_YPR196W	8.3328e-04	-AGAGAAAGGA CGGRNAAAT--	
MA0442.1_SOX10	1.2872e-03	AGAGAAAGGA --ACAAGW--	
MA0080.2_SPI1	2.4173e-03	TCCTTTCTCT -ACTTCCT--	
MA0053.1_MNB1A	4.0551e-03	TCCTTTCTCT -NCTTT----	

M40



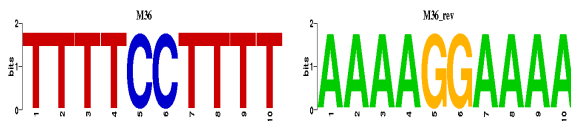
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	1.4697e-09	TTTTCTCTTT -TTTCTTTTT	
MA0050.1_IRF1	5.5831e-07	-TTTTCTCTTT- GGTTTCRNTTTN	
MA0120.1_id1	1.2200e-06	--AAAGAGAAAA CGNNANNRRMNA	
MA0051.1_IRF2	6.6522e-06	--AAAGAGAAAA----- SGAAAGYGAAASYNWWNN	
MA0011.1_br_Z2	2.1725e-05	AAAGAGAAAA AAATAGNW--	
MA0045.1_HMG-I_Y	1.1188e-04	--TTTTCTCTTT---- RTTYKKNYNTTNTNN	
MA0326.1_MAC1	1.1895e-04	AAAGAGAAAA --YGAGCAAA	
MA0081.1_SPIB	2.0919e-04	TTTTCTCTTT -TTCKST--	
MA0082.1_squamosa	2.4404e-04	----AAAGAGAAAA MCAWAWATRGNAAN	
MA0010.1_br_Z1	2.6111e-04	-TTTTCTCTTT--- NWYTTGTYTATNAN	

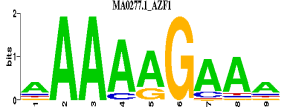
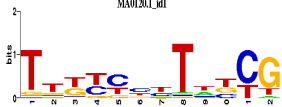
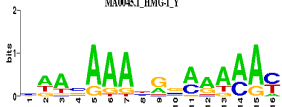

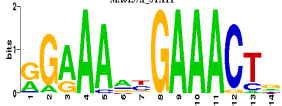
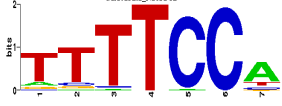




M50



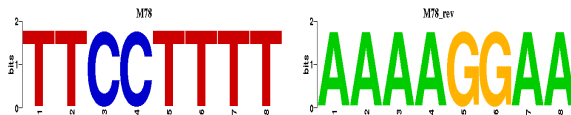
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0442.1_SOX10	2.7264e-06	AAAGRCAAAG ----ACAAG	
MA0010.1_br_Z1	3.9992e-06	-CTTTGYCTTT--- NWYTTGTYTATNAN	
MA0277.1_AZF1	2.1235e-05	CTTTGYCTTT -TTTCTTTT	
MA0459.1_tl1	2.5172e-05	-AAAGRCAAAG AAAAGTCAAM-	
MA0115.1_NR1H2_RXRA	3.6341e-05	-----CTTTGYCTTT- STTGACCTTTGACCTTT	
MA0120.1_id1	1.5101e-04	---AAAGRCAAAG CGNNANNRRMNA-	
MA0065.2_PPARG_RXRA	4.4808e-04	----CTTTGYCTTT- TGMCCTTTGNCCYNN	
MA0143.1_Sox2	1.9495e-03	-CTTTGYCTTT---- CCWTTGTNATGCANA	
MA00445.1_D	1.9617e-03	--CTTTGYCTTT NCYATTGTNT-	
MA0051.1_IRF2	1.9901e-03	-----CTTTGYCTTT-- NNWWNRSTTTTCRCTTCS	

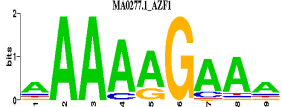









M36



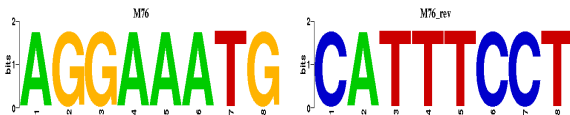
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	2.8743e-11	TTTTCCTTTT -TTTCCTTTT	
MA0120.1_id1	2.5383e-10	--AAAAGGAAAA CGNNANNRRMNA	
MA0045.1_HMG-I_Y	8.4450e-08	--TTTTCCTTTT---- RTTYKKNYNTTNTNN	
MA0370.1_RME1	1.0574e-06	TTTTCCTTTT-- --TNCCTTTNNA	
MA0137.1_STAT1	1.1218e-06	--TTTTCCTTTT-- NAGTTTCNNTTTCY	
MA0152.1_NFATC2	1.2323e-06	AAAAGGAAAA ---TGAAAA	
MA0082.1_squamosa	1.2214e-05	TTTTCCTTTT---- NTTNCYATWTWTGK	
MA0459.1_tll	4.3169e-05	TTTTCCTTTT KTTGACTTTT	
MA0050.1_IRF1	1.2517e-04	-TTTTCCTTTT- GGTTTCRNTTTN	
MA0294.1_EDS1	1.2759e-04	--TTTTCCTTTT NTTNTTCN---	


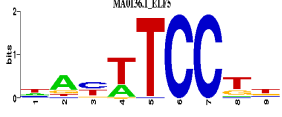




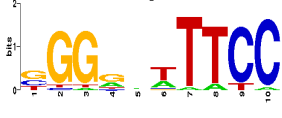

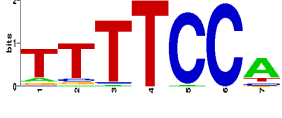
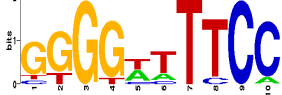
M78



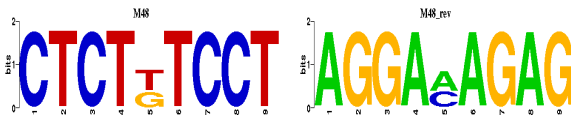
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	2.5488e-09	-TTCCTTTT TTTCCTTTT	
MA0370.1_RME1	1.7928e-08	TTCCTTTT-- TNCCTTTNNA	
MA0120.1_id1	4.1118e-06	--AAAAGGAA-- CGNNANRRMNA	
MA0137.1_STAT1	6.3628e-06	----TTCCTTTT-- NAGTTTCNNTTTCY	
MA0039.1_Klf4	1.1588e-05	AAAAGGAA-- NAARRRAAGG	
MA0081.1_SPIB	5.4064e-05	TTCCTTTT TTCKST-	
MA0045.1_HMG-I_Y	6.4177e-05	----TTCCTTTT---- RTTTYKNYNTTNTNN	
MA0082.1_squamosa	7.0508e-05	----AAAAGGAA-- MCAWAWATRGNAAN	
MA0080.2_SPI1	1.9047e-04	--TTCCTTTT ACTTCT---	
MA0149.1_EWSR1-FL11	2.4729e-04	AAAAGGAA----- GGAAGGAAGGAAGG	




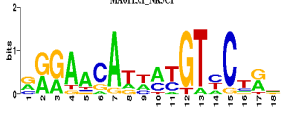

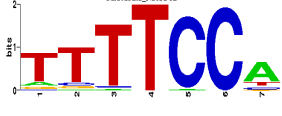


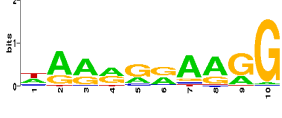

M76



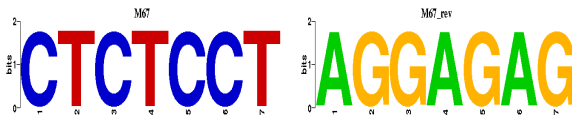
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0156.1_FEV	8.8522e-09	CATTTCT- -AYTTCTG	
MA0136.1_ELF5	7.3479e-07	-AGGAAATG NMGGAARTN	
MA0080.2_SPI1	1.2173e-06	CATTTCT -ACTTCT	
MA0438.1_YRM1	1.2337e-06	-AGGAAATG NCGGANAT-	
MA0107.1_RELA	1.9092e-05	---CATTTCT GGANTTTCT-	
MA0428.1_YKL222C	5.2188e-05	--AGGAAATG NACGGARAT-	
MA0101.1_REL	1.0011e-04	AGGAAATG--- -GGAAWNYCCN	
MA0062.2_GABPA	1.6362e-04	--CATTTCT- NNCACTTCCG	
MA0152.1_NFATC2	1.6889e-04	AGGAAATG TGGAAAA-	
MA0023.1_dl_2	2.3385e-04	AGGAAATG--- -GGAAWCCCC	

M48



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FL11	3.1467e-04	--CTCTKTCCT----- CCTTCCTTCCTTCCTTC	
MA0156.1_FEV	3.8974e-04	CTCTKTCCT- --AYTTCCTG	
MA0207.1_achi	1.4269e-03	CTCTKTCCT --CTGTCA-	
MA0113.1_NR3C1	2.1859e-03	-----CTCTKTCCT-- NRGAACANNMYGTNCNRN	
MA0080.2_SPI1	2.2263e-03	CTCTKTCCT --ACTTCCT	
MA0152.1_NFATC2	2.2291e-03	AGGAMAGAG TGGAAA--	
MA0294.1_EDS1	2.3006e-03	CTCTKTCCT NTTNTTCN	
MA0227.1_hth	2.4616e-03	CTCTKTCCT --CTGTCA-	
MA0039.1_Klf4	2.7076e-03	CTCTKTCCT-- -CCTYYTNTN	
MA0051.1_IRF2	2.7258e-03	-----CTCTKTCCT NNWWNRSTTTCRCTTCS-	

M67



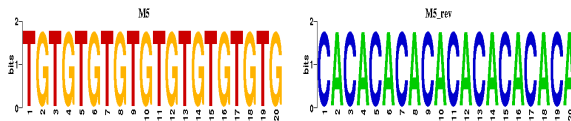
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0354.1_PDR8	1.7061e-04	CTCTCCT- ATCTCCGN	
MA0432.1_YNR063W	1.8051e-04	-AGGAGAG TCGGAGAT	
MA0205.1_Trl	8.9097e-04	AGGAGAG--- NNGAGAGNNR	
MA0159.1_RXR_RAR_DR5	1.1956e-03	----CTCTCCT----- TGACCTNYNNNTGAMCY	
MA0312.1_HAP1	1.4319e-03	-CTCTCCT NAWNTCCG	
MA0348.1_OAF1	2.2098e-03	-CTCTCCT- NATCYCCGN	
MA0437.1_YPR196W	2.3186e-03	AGGAGAG-- CGGRNAAAT	
MA0422.1_YDR520C	3.5012e-03	--CTCTCCT- NTAWNTCCGN	
MA0460.1_ttk	3.7924e-03	-CTCTCCT- RTTATCCTK	
MA0428.1_YKL222C	6.2718e-03	CTCTCCT-- ATYTCCGTN	

M68



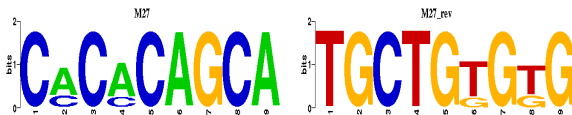
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0156.1_FEV	1.4117e-04	CTNTCCT- AYTTCCTG	
MA0039.1_Klf4	4.4641e-04	-CTNTCCT-- CCTTYYYTTN	
MA0080.2_SPI1	1.1147e-03	CTNTCCT ACTTCCT	
MA0152.1_NFATC2	1.1398e-03	AGGANAG TGGAAAA	
MA0159.1_RXR_RAR_DR5	1.7457e-03	----CTNTCCT----- TGACCTNYNNNTGAMCY	
MA0428.1_YKL222C	1.8101e-03	CTNTCCT-- ATYTCCGTN	
MA0051.1_IRF2	1.8251e-03	AGGANAG----- -SGAAAGYGAAASYNWNN	
MA0149.1_EWSR1-FLI1	2.0549e-03	CTNTCCT----- CCTTCCTTCCTTCCTTCC	
MA0438.1_YRM1	2.1057e-03	CTNTCCT- ATNTCCGN	
MA0090.1_TEAD1	2.5496e-03	---AGGANAG-- CNSWGGAATGTR	

M5





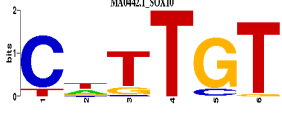


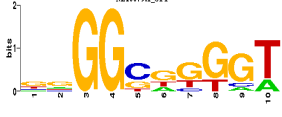

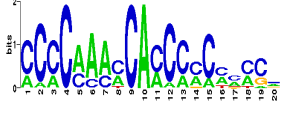


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0073.1_RREB1	1.2448e-05	TGTGTGTGTGTGTGTGTGTG NGKKKGKGGGTGKTTTGGGG	
MA0359.1_RAP1	4.8878e-05	TGTGTGTGTGTGTGTGTGTG TGTATGGGTG-----	
MA0068.1_Pax4	1.6121e-02	-----CACACACACACACACACA RAAWAWWWNNMNNNNNNNNMNNNNYMC	
MA0162.1_Egr1	3.3849e-02	CACACACACACACACACACA -MCGCCCACGCN-----	
MA0327.1_MATA1	3.6703e-02	--TGTGTGTGTGTGTGTGTGTG ATTGTGY-----	
MA0041.1_Foxd3	5.3583e-02	CACACACACACACACACACA -AAANAAACAWTN-----	
MA0332.1_MET28	6.8497e-02	-CACACACACACACACACACA CCACAG-----	
MA0045.1_HMG-I_Y	7.7447e-02	TGTGTGTGTGTGTGTGTGTG -RTTYTKNYNTTNTNN---	
MA0288.1_CUP9	9.0740e-02	--TGTGTGTGTGTGTGTGTGTG WWTGTGTCA-----	
MA0270.1_AFT2	9.4765e-02	TGTGTGTGTGTGTGTGTGTG NGGGTGN-----	

M27






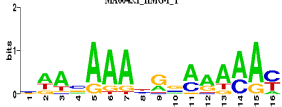
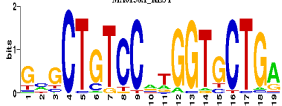
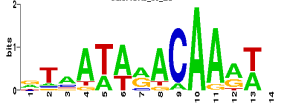
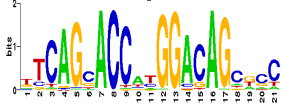
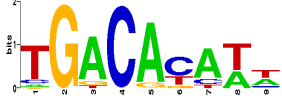


forward

reverse compliment

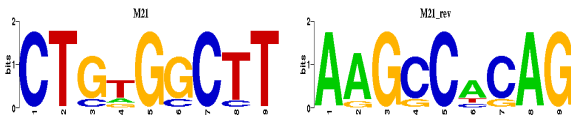
Name	E value	Alignment	Motif
MA0150.1_NFE2L2	1.3212e-06	--CACACAGCA RTGACWNAGCA	
MA0332.1_MET28	2.5628e-05	TGCTGTGTG --CTGTGG--	
MA0442.1_SOX10	1.1363e-03	TGCTGTGTG --CWTTGT--	
MA0335.1_MET4	1.3203e-03	CACACAGCA -CCACAGNT	
MA0402.1_SWI5	1.6926e-03	CACACAGCA -NACCAGCA	
MA0079.1_SP1	1.0145e-02	CACACAGCA-- -ACCCNGCCNN	
MA0327.1_MATA1	1.0777e-02	CACACAGCA -RCACAAT--	
MA0073.1_RREB1	1.1972e-02	-CACACAGCA----- CCCCAAMCACCCMCMNN	
MA0288.1_CUP9	1.3090e-02	TGCTGTGTG- -WWTGTGTCA	
MA0207.1_achi	1.4097e-02	TGCTGTGTG --CTGTCA--	

M49



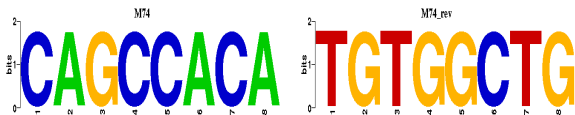
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0207.1_achi	8.6586e-05	TTCTGTCGT --CTGTCA--	
MA0227.1_hth	1.9010e-04	TTCTGTCGT --CTGTCA--	
MA0277.1_AZF1	1.9603e-03	-TTCTGTCGT TTTCTTTTT--	
MA0045.1_HMG-I_Y	2.3346e-03	----TTCTGTCGT-- RTTYKYNNTTNTNN	
MA0138.1_REST	9.9948e-03	-----ACAGACAGAA- TCAGCACCWNGGACAGCNC	
MA0010.1_br_Z1	1.1534e-02	-TTCTGTCGT--- NWYTTGTYTATNAN	
MA0138.2_REST	1.4080e-02	--TTCTGTCGT----- GNNCTGTCCNNGGTGCTGAN	
MA0288.1_CUP9	1.4238e-02	-TTCTGTCGT WWTGTCGA--	
MA0332.1_MET28	1.4427e-02	--ACAGACAGAA CCACAG-----	
MA0252.1_vis	1.5007e-02	TTCTGTCGT --NTGTCA--	

M21






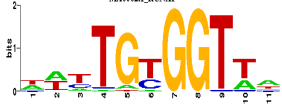

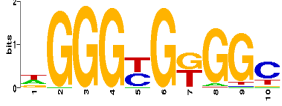

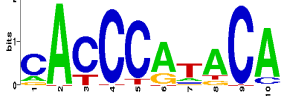


	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	2.4487e-08	AAGCCACAG ---CCACAG	
MA0334.1_MET32	9.4670e-07	AAGCCACAG -NGCCACA-	
MA0002.2_RUNX1	3.7908e-06	AAGCCACAG-- NAACCACARNN	
MA0335.1_MET4	1.0193e-05	AAGCCACAG-- ---CCACAGNT	
MA0285.1_CRZ1	1.7943e-04	CTGTGGCTT-- --GNGGCTNNN	
MA0373.1_RPN4	5.5908e-04	AAGCCACAG -CGCCACC-	
MA0260.1_che-1	1.3208e-03	-AAGCCACAG GAARCC----	
MA0290.1_DAL81	1.5952e-03	--AAGCCACAG----- AAAAGCCGCGGGCGGGATT	
MA0263.1_ttx-3_c	2.9832e-03	-----AAGCCACAG YTAACKAARCCAAT-	
MA0039.2_Klf4	3.6141e-03	AAGCCACAG--- --GCCMCRCCCN	

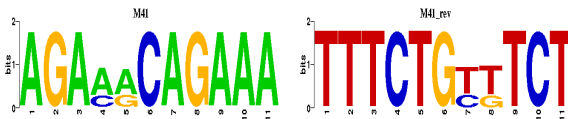
M74




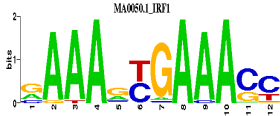
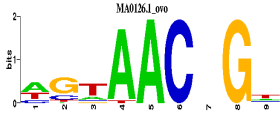
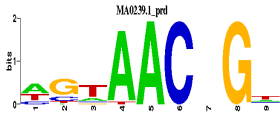

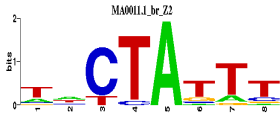
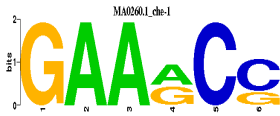
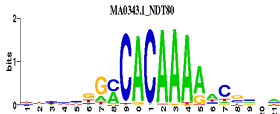


forward *reverse compliment*

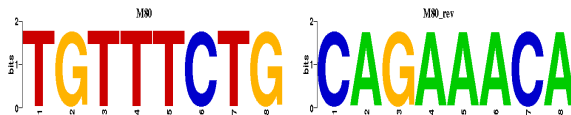
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0334.1_MET32	1.5447e-07	TGTGGCTG TGTGGCN-	
MA0332.1_MET28	1.7502e-05	CAGCCACA- ---CCACAG	
MA0285.1_CRZ1	5.9880e-05	TGTGGCTG-- -GNGGCTNNN	
MA0002.2_RUNX1	6.5799e-05	CAGCCACA--- NAACCACARNN	
MA0373.1_RPN4	1.7519e-04	TGTGGCTG GGTGGCG-	
MA0002.1_RUNX1	5.1462e-04	---TGTGGCTG WWYTGTGGTTN	
MA0335.1_MET4	6.1244e-04	CAGCCACA--- ---CCACAGNT	
MA0039.2_Klf4	1.4427e-03	CAGCCACA---- --GCCMCRCCCN	
MA0333.1_MET31	1.5039e-03	CAGCCACA-- -CGCCACNNN	
MA0359.1_RAP1	2.1939e-03	--TGTGGCTG TGTATGGGTG	

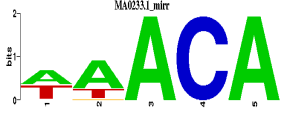





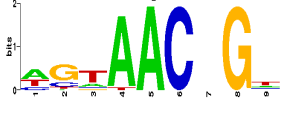
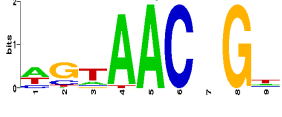

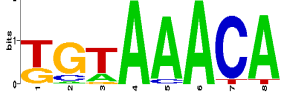
M41



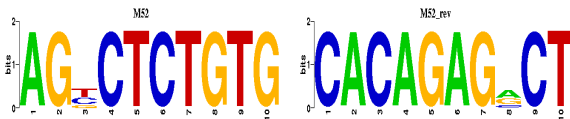
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	7.3190e-09	AGAAACAGAAA --AAAAAGAAA	
MA0045.1_HMG-I_Y	6.1644e-05	---TTTCTGTTTCT-- RTTYKKNYNTTNTNN	
MA0137.1_STAT1	7.7247e-05	AGAAACAGAAA--- RGAAANNGAAACTN	
MA0050.1_IRF1	1.2749e-04	--TTTCTGTTTCT GGTTTCRNNTTN-	
MA0126.1_ovo	1.5118e-04	TTTCTGTTTCT --NCNGTTACW	
MA0239.1_prd	1.5118e-04	TTTCTGTTTCT --NCNGTTACW	
MA0287.1_CUP2	1.6419e-04	AGAAACAGAAA-- --CAGCARAAAWG	
MA0011.1_br_Z2	1.9656e-04	AGAAACAGAAA --AAATAGNW-	
MA0260.1_che-1	3.2458e-04	TTTCTGTTTCT ----GGYTTC-	
MA0343.1_NDT80	5.0941e-04	-----TTTCTGTTTCT----- NNNNGNTTTTGTGKCNNTNNN	






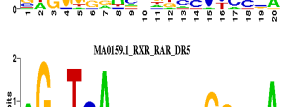
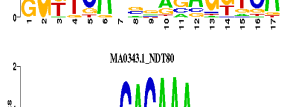



M80



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0233.1_mirr	5.2508e-05	TGTTTCTG TGTTW---	
MA0210.1_ara	1.6440e-04	CAGAAACA ---WAACA	
MA0297.1_FKH2	1.6619e-04	TGTTTCTG TGTTTAC-	
MA0393.1_STE12	1.8818e-04	TGTTTCTG YGTTTCA-	
MA0260.1_che-1	2.3856e-04	TGTTTCTG GGYTTC--	
MA0040.1_Foxq1	2.8013e-04	CAGAAACA--- WATAACAATN	
MA0126.1_ovo	4.4977e-04	CAGAAACA-- -WGTAACNGN	
MA0239.1_prd	4.4977e-04	CAGAAACA-- -WGTAACNGN	
MA0031.1_FOXD1	6.2608e-04	-TGTTTCTG NTGTTTAC-	
MA0157.1_FOXO3	6.4434e-04	TGTTTCTG TGTTTACA	


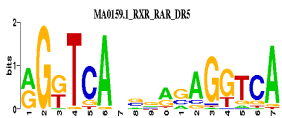
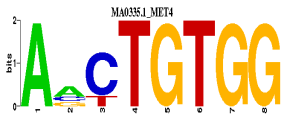

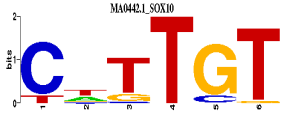
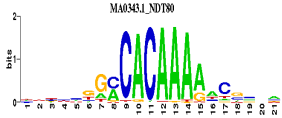



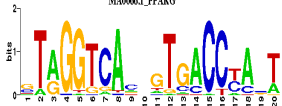
M52



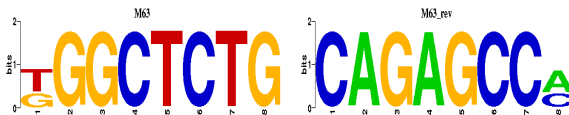
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	6.7282e-05	-CACAGAGRCT CCACAG-----	
MA0335.1_MET4	3.1810e-03	-CACAGAGRCT CCACAGNT---	
MA0442.1_SOX10	3.3808e-03	CACAGAGRCT -ACAAWG---	
MA0112.1_ESR1	3.5045e-03	--AGYCTCTGTG----- NNGGYCANNGTGACCTNN	
MA0066.1_PPARG	6.2170e-03	-----CACAGAGRCT--- ANTRGGTCACNNTGACCTAN	
MA0159.1_RXR_RAR_DR5	6.4826e-03	---AGYCTCTGTG---- TGACCTNYNNNTGAMCY	
MA0343.1_NDT80	7.5534e-03	-----CACAGAGRCT--- NNNNNNGMCACAAAANCNNNN	
MA0258.1_ESR2	1.0838e-02	-----CACAGAGRCT--- NAGGNCANNNTGACCYNN	
MA0207.1_achi	1.6244e-02	AGYCTCTGTG- -----CTGTCA	
MA0227.1_hth	2.6398e-02	AGYCTCTGTG- -----CTGTCA	

M69



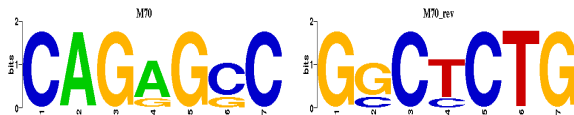
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0332.1_MET28	1.7502e-05	-CACAGAGA CCACAG---	
MA0159.1_RXR_RAR_DR5	1.3421e-04	-----TCTCTGTG----- TGACCTNYNNNTGAMCY	
MA0335.1_MET4	7.2735e-04	-CACAGAGA CCACAGNT-	
MA0428.1_YKL222C	1.0884e-03	-TCTCTGTG ATYTCCGTN	
MA0442.1_SOX10	1.2654e-03	CACAGAGA -ACAAGW-	
MA0343.1_NDT80	3.1076e-03	-----CACAGAGA----- NNNNNNGMCACAAAANCNNNN	
MA0354.1_PDR8	3.1718e-03	-TCTCTGTG ATCTCCGN-	
MA0432.1_YNR063W	3.3119e-03	-TCTCTGTG ATCTCCGA-	
MA0207.1_achi	7.2423e-03	TCTCTGTG- ---CTGTCA	
MA0066.1_PPARG	8.3033e-03	-----CACAGAGA----- ANTRGGTCACNNTGACCTAN	

M63



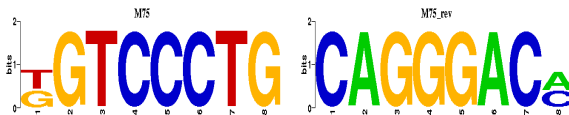
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0316.1_HAP5	4.9739e-04	-----CAGAGCCM- ACCAATNAGMNNSSN	
MA0278.1_BAS1	7.2639e-04	-----KGGCTCTG----- NNNWNVTGACTCNGGCYNNNN	
MA0285.1_CRZ1	4.5369e-03	-KGGCTCTG GNGGCTNNN	
MA0150.1_NFE2L2	5.6470e-03	--CAGAGCCM- TGCTNWTGTCAY	
MA0326.1_MAC1	6.1168e-03	-KGGCTCTG TTTGCTCR-	
MA0272.1_ARG81	8.0587e-03	-KGGCTCTG NTGACTCN-	
MA0099.2_AP1	8.1229e-03	CAGAGCCM -TGAGTCA	
MA0213.1_brk	8.3104e-03	CAGAGCCM- -RGCGCCRS	
MA0138.2_REST	8.9434e-03	KGGCTCTG----- -GNNCTGTCCNNGGTGCTGAN	
MA0451.1_kni	1.1380e-02	----CAGAGCCM AAANTAGAGCAN	


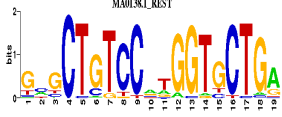
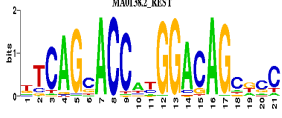
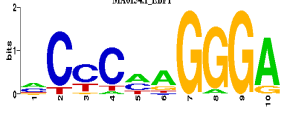
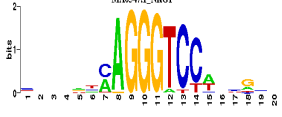





M70



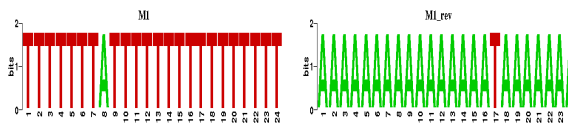
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0316.1_HAP5	5.0517e-05	-----CAGAGCC-- ACCAATNAGMNNSSN	
MA0138.2_REST	2.8347e-03	GGCTCTG----- GNNGCTGTCCNNGGTGCTGAN	
MA0451.1_kni	2.9056e-03	-GGCTCTG---- NTGCTCTANTTT	
MA0404.1_TBS1	9.4678e-03	-GGCTCTG CGGANCCG	
MA0384.1_SNT2	1.0460e-02	-GGCTCTG--- NGGCGCTAYCA	
MA0278.1_BAS1	1.0597e-02	-----GGCTCTG----- NNNWNVTGACTCNGGCYNNNN	
MA0364.1_REI1	1.4074e-02	GGCTCTG- -CCCCTGN	
MA0332.1_MET28	1.7912e-02	-CAGAGCC CCACAG--	
MA0053.1_MNB1A	2.3846e-02	GGCTCTG -NCTTT-	
MA0064.1_PBF	2.4488e-02	GGCTCTG -RCTTT-	

M75



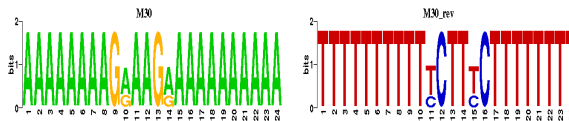
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0364.1_REI1	1.6870e-04	-CAGGGACM NCAGGGG--	
MA0138.1_REST	1.8754e-04	-----CAGGGACM----- TCAGCACCCWGGACAGCNC	
MA0138.2_REST	3.1773e-04	-----CAGGGACM----- NTCAGCACCCNNGGACAGCNC	
MA0154.1_EBF1	5.8582e-04	KGTC CCTG----- --TCCCTNGGGN	
MA0347.1_NRG1	1.1065e-03	-----KGTC CCTG----- NNNNNWGGACCCTKNNNNNN	
MA0366.1_RGM1	1.7687e-03	CAGGGACM -AGGGG--	
MA0342.1_MSN4	1.9583e-03	KGTC CCTG --CCCCT--	
MA0344.1_NHP10	3.3049e-03	KGTC CCTG-- --TCCCCGGN	
MA0341.1_MSN2	3.6912e-03	CAGGGACM -AGGGG--	
MA0071.1_RORA_1	3.8312e-03	KGTC CCTG-- TGACCTNNWW	



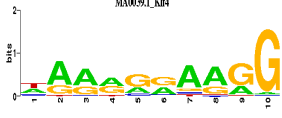
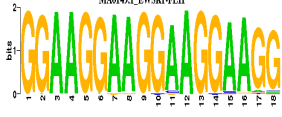
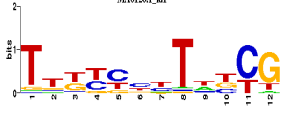

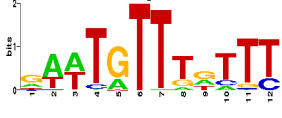
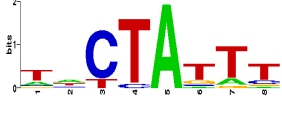


M1



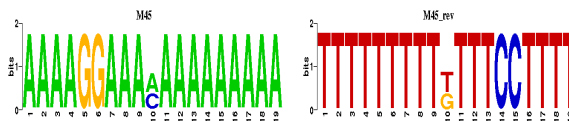
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	5.7562e-07	TTTTTTTATTTTTTTTTTTTTTTTT ----TTTCTTTT-----	
MA0045.1_HMG-I_Y	1.0788e-06	-TTTTTTTATTTTTTTTTTTTTTTTT RTTTYKNYNTTNTNN-----	
MA0049.1_hb	8.0525e-05	TTTTTTTATTTTTTTTTTTTTTTTT -NTTTTTNYKS-----	
MA0216.1_cad	8.5851e-05	AAAAAAAAAAAAAAAAATAAAAAA -----YAATAA-----	
MA0041.1_Foxd3	9.0218e-05	AAAAAAAAAAAAAAAAATAAAAAA -----AAANAACAWTN-----	
MA0082.1_squamosa	1.4946e-04	AAAAAAAAAAAAAAAAATAAAAAA -----MCAWAWATRGNAAN-----	
MA0040.1_Foxq1	2.3145e-04	AAAAAAAAAAAAAAAAATAAAAAA -----WATAACAATN-----	
MA0011.1_br_Z2	3.2081e-04	AAAAAAAAAAAAAAAAATAAAAAA -----AAATAGNW-----	
MA0013.1_br_Z4	3.7027e-04	TTTTTTTATTTTTTTTTTTTTTTTT WTWNTTACTA-----	
MA0010.1_br_Z1	9.5529e-04	AAAAAAAAAAAAAAAAATAAAAAA ----NTNATARACAARWN-----	

M30



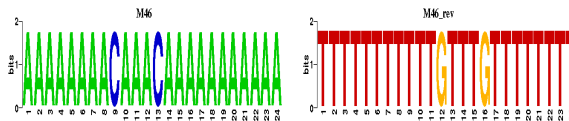
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	4.1569e-11	TTTTTTTTTTCTTTCTTTTTTTT -----TTTCTTTT---	
MA0045.1_HMG-I_Y	4.9289e-05	TTTTTTTTTTCTTTCTTTTTTTT ---RTTTYKNYNTTNTNN----	
MA0039.1_Klf4	5.0914e-05	AAAAAAAAAGAAAGAAAAAAAAAAA ----NAARRRAAGG-----	
MA0149.1_EWSR1-FLI1	5.6412e-05	TTTTTTTTTTCTTTCTTTTTTTT -----CCTTCCTTCCTTCCTTCC	
MA0120.1_id1	6.1077e-05	AAAAAAAAAGAAAGAAAAAAAAAAA -----CGNNANRRMNA--	
MA0082.1_squamosa	1.0319e-04	-AAAAAAAAAGAAAGAAAAAAAAAAA MCAWAWATRGNAAN-----	
MA0041.1_Foxd3	1.6199e-03	AAAAAAAAAGAAAGAAAAAAAAAAA- -----AAANAAACAWTN	
MA0011.1_br_Z2	2.1074e-03	AAAAAAAAAGAAAGAAAAAAAAAAA ---AAATAGNW-----	
MA0080.2_SPI1	3.7341e-03	TTTTTTTTTTCTTTCTTTTTTTT -----ACTTCT-----	
MA0010.1_br_Z1	3.9055e-03	AAAAAAAAAGAAAGAAAAAAAAAAA- -----NTNATARACAARWN	

M45



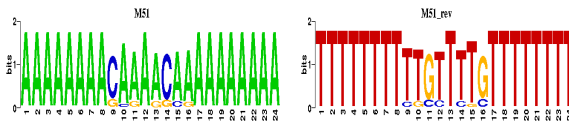
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	1.0824e-08	TTTTTTTTTKTTTCCTTTT -----TTTCTTTT	
MA0120.1_id1	6.9660e-06	--AAAAGGAAAMAAAAAAAAA CGNNANNRRMNA-----	
MA0045.1_HMG-I_Y	1.1708e-05	TTTTTTTTTKTTTCCTTTT---- -----RTTYKNYNTTNTNN	
MA0041.1_Foxd3	6.1063e-05	TTTTTTTTTKTTTCCTTTT -NAWTGTTTNTTT-----	
MA0013.1_br_Z4	8.6886e-05	TTTTTTTTTKTTTCCTTTT -----WtWNTTACTA--	
MA0370.1_RME1	1.0413e-04	TTTTTTTTTKTTTCCTTTT-- -----TNCCTTNN	
MA0294.1_EDS1	1.3620e-04	TTTTTTTTTKTTTCCTTTT -----NTNTTCN---	
MA0049.1_hb	1.8682e-04	TTTTTTTTTKTTTCCTTTT -NTTTTTNYKS-----	
MA0152.1_NFATC2	1.9028e-04	AAAAGGAAAMAAAAAAAAA ---TGAAAA-----	
MA0137.1_STAT1	2.5627e-04	--AAAAGGAAAMAAAAAAAAA RGAAANNGAACTN-----	

M46



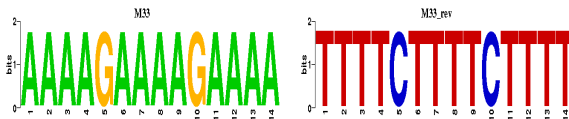
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0041.1_Foxd3	3.6342e-08	TTTTTTTTTTGTTTGT -----NAWTGTTNTTT-----	
MA0277.1_AZF1	5.7562e-07	TTTTTTTTTTGTTTGT TTTCCTTTT-----	
MA0045.1_HMG-I_Y	2.9037e-06	-TTTTTTTTTTGTTTGT RTTYKNYNTTNTNN-----	
MA0042.1_FOXI1	1.2238e-05	TTTTTTTTTTGTTTGT -----NNNRTRTRWT-----	
MA0082.1_squamosa	2.1131e-05	AAAAAAAAACAAACAAAA -----MCAWAWATRGNAA	
MA0120.1_id1	3.5388e-05	TTTTTTTTTTGTTTGT TNKYNNNTNCG-----	
MA0010.1_br_Z1	1.1581e-04	TTTTTTTTTTGTTTGT -----NWYTTGTYTATNAN	
MA0013.1_br_Z4	1.3377e-04	TTTTTTTTTTGTTTGT -----WTWNTTACTA-	
MA0148.1_FOXA1	1.6522e-04	AAAAAAAAACAAACAAAA ---NWRWGYAAACA-----	
MA0040.1_Foxq1	1.7733e-04	AAAAAAAAACAAACAAAA -----WATAACAATN-----	

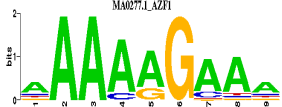
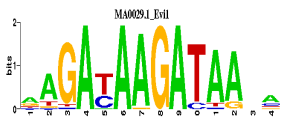
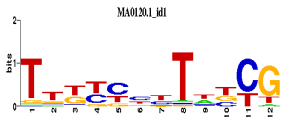
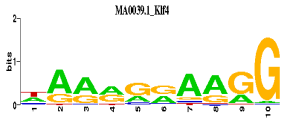
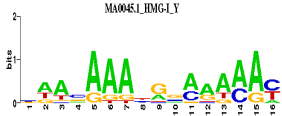

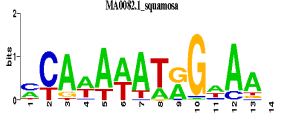



M51



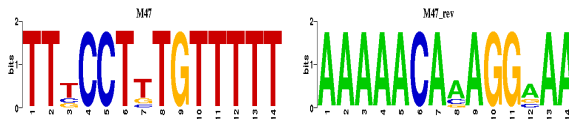
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	1.4377e-07	TTTTTTTTTTGTTTTGTTTTTTTT -----TTTCTTTT--	
MA0041.1_Foxd3	4.9907e-06	AAAAAAAAACAAAACAAAAAAAAAA -AAANAACAATN-----	
MA0010.1_br_Z1	2.2424e-05	TTTTTTTTTTGTTTTGTTTTTTTT -----NWYTTGTYTATNAN	
MA0045.1_HMG-I_Y	3.0480e-05	TTTTTTTTTTGTTTTGTTTTTTTT ---RTTYKNYNTTNTNN----	
MA0013.1_br_Z4	1.8687e-04	TTTTTTTTTTGTTTTGTTTTTTTT -----WTWNTTACTA-	
MA0040.1_Foxq1	3.1234e-04	AAAAAAAAACAAAACAAAAAAAAAA --WATAACAATN-----	
MA0137.1_STAT1	5.0329e-04	TTTTTTTTTTGTTTTGTTTTTTTT -----NAGTTTCNNTTTCY--	
MA00445.1_D	9.9718e-04	AAAAAAAAACAAAACAAAAAAAAAA ----ANAACAATRGN-----	
MA0388.1_SPT23	1.0949e-03	AAAAAAAAACAAAACAAAAAAAAAA ---RAAATSAA-----	
MA0050.1_IRF1	1.1933e-03	TTTTTTTTTTGTTTTGTTTTTTTT -----GTTTCRNTTN----	





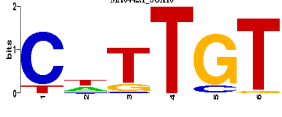
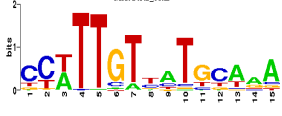
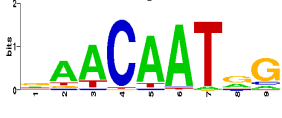
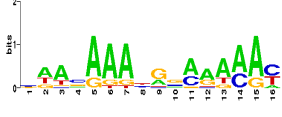
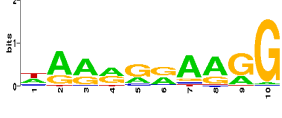
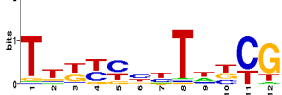
M33



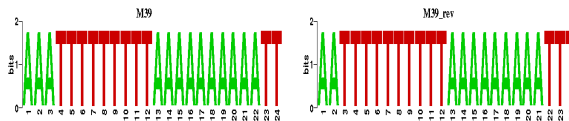
	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	2.5380e-09	AAAAGAAAAGAAAA AAAAGAAA-----	
MA0029.1_Evi1	9.8243e-06	--TTTTCTTTTCTTTT NNTTATCTTRTCTN--	
MA0120.1_id1	1.6412e-05	-TTTTCTTTTCTTTT TNKYNNNTNNGC---	
MA0039.1_Klf4	3.4175e-05	AAAAGAAAAGAAAA NAARRRAAGG----	
MA0045.1_HMG-I_Y	3.8887e-05	---TTTTCTTTTCTTTT RTTTYKNYNTTNTN--	
MA0013.1_br_Z4	2.5470e-04	TTTTCTTTTCTTTT -WTWNTTACTA--	
MA0082.1_squamosa	3.5438e-04	TTTTCTTTTCTTTT NTTNCYATWWTGK	
MA0137.1_STAT1	3.9519e-04	AAAAGAAAAGAAAA--- ---RGAAANNGAAACTN	
MA0459.1_tll	5.8123e-04	-TTTTCTTTTCTTTT KTTGACTTTT-----	
MA00445.1_D	8.3898e-04	AAAAGAAAAGAAAA ANAACAATRGN---	



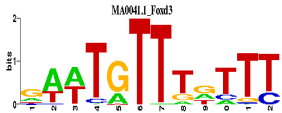







M47



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	4.7159e-08	TTNCCTTTGTTTT -----TTTCTTTTT	
MA00445.1_D	6.6821e-08	AAAAACAAAGNAA -ANAACAATRGN--	
MA0370.1_RME1	2.1097e-07	TTNCCTTTGTTTT -TNCCTTTNNA---	
MA0371.1_ROX1	1.5317e-06	AAAAACAAAGNAA GAGAACAATNGR--	
MA0442.1_SOX10	1.9315e-06	AAAAACAAAGNAA ----ACAAG-----	
MA0143.1_Sox2	2.7843e-05	----AAAAACAAAGNAA TNTGCATNACAAGG---	
MA0077.1_SOX9	4.8566e-05	TTNCCTTTGTTTT ---CYATTGTTN--	
MA0045.1_HMG-I_Y	2.4406e-04	----TTNCCTTTGTTTT RTTTYKYNNTTNTNN--	
MA0039.1_Klf4	2.6624e-04	AAAAACAAAGNAA -NAARRRAAG---	
MA0120.1_id1	2.8965e-04	AAAAACAAAGNAA- ---CGNNANNRRMNA	

M39



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	5.7562e-07	AAATTTTTTTTTTAAAAAAAAAATT ---TTTCTTTTT-----	
MA0010.1_br_Z1	1.1455e-05	AAATTTTTTTTTTAAAAAAAAAATT -----NTNATARACAARWN	
MA0041.1_Foxd3	5.4752e-05	AAATTTTTTTTTTAAAAAAAAAATT- -----AAANAAACAWTN	
MA0398.1_SUM1	2.8422e-04	AATTTTTTTTTTTAAAAAAAAAATTT- -----NAAAATTWN	
MA0013.1_br_Z4	7.5329e-04	AATTTTTTTTTTTAAAAAAAAAATTT --WTWNTTTACTA-----	
MA0040.1_Foxq1	1.2247e-03	AAATTTTTTTTTTAAAAAAAAAATT -----WATAAACAAATN	
MA0151.1_ARID3A	3.0157e-03	AAATTTTTTTTTTAAAAAAAAAATT -----TTTAAT-----	
MA0047.1_Foxa2	3.4674e-03	AAATTTTTTTTTTAAAAAAAAAATT- -----AARYAAATANTN	
MA0120.1_id1	3.5604e-03	AAATTTTTTTTTTAAAAAAAAAATT -----CGNNANNRRMNA--	
MA0008.1_HAT5	4.0522e-03	AAATTTTTTTTTTAAAAAAAAAATT- -----AATAATTN	

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