AlignACE 3.0 04/13/02
/usr/jhughes/bin/AlignACE -i /home/alignace/notgiven-43819.seq -numcols 10 -expect 13 -gcback 0.38
Parameter values:
 expect =       13
 gcback =       0.38
 minpass =      200
 seed =         1298678055
 numcols =      10
 undersample =  1
 oversample =  1

Input sequences:
#0 mRNA

Motif 1
GGCTGGCATCGAGGCGCGCGCGGTG 0 2848 0
GCCCGGGGCCCCGAGCGGGCAGCAG 0 184 0
GGCTGTCGCCATGAGGTGGTGGATG 0 1711 1
GCCAGCCAGCTGGAAGCTGCAGGTG 0 1956 1
GTCCGTGGTCAGCCGGAAGTAGCCG 0 1137 0
GACCGTGGCGCCGAAGCCCCACTTG 0 2220 0
CGCTGCGTGCACCGCGACCTGGCCG 0 2929 1
GACAGAGGTGCTGCTGAAGGTCATG 0 1749 1
CTCGGGGGCCACCCAGGGGATCCTG 0 2157 0
CACGGAGAAGATGTGGCTCGGGGGG 0 345 0
CACTCTGGCCCTGGGGCTGGGGAAG 0 5294 1
GCGCGAGAGCAGGCCCAGCGGCCGG 0 619 1
GTGGGCCTCCCTGGGGCCCTTGGTG 0 865 1
GCCACTGCGCCCGGCCCTCATGTAG 0 4582 1
GTCTGCCTGGCAGGCGGCCACGCGG 0 765 0
GGCCGTGTTGGACCTGGCCCGGATG 0 594 1
GGGGGGCTGCACGTAGATGGGGTGG 0 1477 1
CCCGGGCCGCCAGAGCCTGCGGCTG 0 2775 1
GGCAGAGGGCGGGGACATCCCGCTC 0 3220 0
GTCACTCAGCTTGATGAAGGGCGGG 0 2088 0
GCGAGAGAAGATGTTGTCCGAGAGG 0 3093 0
GACTGAGGCCCACGGGGAGGCGCCC 0 541 0
CCGAGGCTGCTGGAGGAAGTGGCCG 0 1195 1
CTCGCAGATCTGCAAGGGCATGGAG 0 2889 1
CGCGGAGCAGCCCCAGCCCGTCGTG 0 892 0
CGCCGTGGAGCAGCACGAGATGCCG 0 1843 0
CACAGGCAGGATGCCGCTGGCCTTG 0 273 0
GGGGGTGTTCCTGAAGTAGAGGACC 0 3571 0
CGCCCTGGGCCCCCAGCTGGACATG 0 3366 1
CTCTGTCCACTTGGGGGCCGGCAGC 0 2328 0
GGCTCACTGCAAGCTCCGCCTCCTG 0 4368 1
CAGGGAGAACAGGAGGTCCTCCAGC 0 946 1
GCCTGGCTCGCGGACCACGTAGTAG 0 3036 0
GGCCCAGCACAGCTTCATGAGCTCG 0 3312 0
GTCAGACGTCTGGAGCTTCGGGGTC 0 3120 1
GACAGGGCTACAGTAGTAGTGGGGG 0 5255 0
GTGTCTCTCCTCGAAGATCGTGGGG 0 2538 0
CAGCGGCTGCTTGCGCGACTTCCTG 0 2817 1
CGGCGGCCCCGGCTGGATCCAGCCG 0 829 0
GGCCCGGCCGGAGAGCACCGCCTGG 0 1027 1
GGGCCTGAGCTTCGTGACGCGGAGG 0 708 1
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GGCTCTGTCGTTCGTGGCGCTCGTG 0 1110 1
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CGCTGCCTCCCGGCTCTGCCCGCCC 0 33 1
CGCCGGCAGCCTCTGGCCCTCCTCC 0 3261 0
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GGGGCTGCGCCGGATGAGGCAGCCC 0 1377 0
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CTCCTGGCTCGGGAGGGGGCTGATG 0 2059 1
CAGAGTGATGGGGCCGTGGCACTGC 0 1221 0
GACACAGACAGTGAGGAGGAAGCTG 0 1326 0
GCCACTGTACTCCAGCCTGGGCGAC 0 4335 0
GGCCGTGAAACAGCTGCAGCACAGC 0 2655 1
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GGCTCGGAAGGAGGGCCTCTGGACC 0 2391 0
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CACAGCAGTCTTCGAGAGCTCCTGG 0 1438 1
GGCTGCAAGGATGTGGTAGCTGGAG 0 5218 0
GTGTGCCTCGCTCTCCACGAGGATG 0 2961 0
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GTCTCACACCCCCGGCTTCCGCTCC 0 3395 0
CCCAGAGGGCAAACACCACTCCCTG 0 3438 1
CACTGTAGCCCAGGAGTTCAAGACC 0 4181 0
GGCTGGAGACAGCACCATGGTGCAG 0 1875 1
GGGGCAGGAAAGGCTGGGGTCCCAG 0 4738 1
GGCACCAGCCTCCGTGGACAAGAGG 0 150 0
GCCCCCAGTCTTGAGCTTGTTGATG 0 1254 0
CGCTGTGTTAAGCCTGGAGATGCTC 0 2127 1
CGCAGGGCTCTGCGCACCGTCCTCC 0 740 0
GGGAGGCCGAGACGGGCAGATCACG 0 4533 0
CACGCTGCCAAAGTTGCCCTTGCCC 0 2583 0
CCCACACCTGGTGCCCTGGCACCTC 0 2470 1
GGCAGAGACATTGCCATGGGGCAGG 0 2025 0
GGGTCCCTGCCCGCTAGGCAAGTTG 0 70 1
CTGAGGCCTCAGCCCAGCCCCCAAG 0 5356 0
GAGGCCCAGAGAGGGGCAGCTCCGG 0 3532 0
CTCCCGCTGAAAGTCCCTCTGCTGG 0 2688 0
GGCCACGGAGGACCTGTCCTGCTGG 0 318 1
GGCTGAACCAAGGATGATGTGGGTG 0 1580 0
GAATGACTCCATGCAGTTCTTGTGC 0 1782 0
CACCATGATGGCCAGGCTGATCTCG 0 4012 1
GGCGGAGAACATAGGAGCCAGGACG 0 1282 0
CGCTCTGTTACCCAGGGTGGAGTGC 0 3845 1
CCCAGAGAGGGAAAGGAACTTGCCC 0 5019 0
CGGGCAGCCCTGGGAACTCGGCCTC 0 1084 0
CAGGGCACTGATGGGCATGGTGACG 0 2262 0
GCGATTCTCCTGCCTCAGCCTCCCG 0 3916 1
CACGCACAGGTCCTCAGCCAAGTGG 0 240 0
GTCCTCCAGATAGTTGAGGGCGTAG 0 1995 0
\* \* \* \*  \*  \*  \*  \*  \*  \*
MAP Score: 190.984

Motif 2
GCAGGCCCCGCGCGTTG 0 1011 1
GCGGGCAGAGCCGGGAG 0 39 0
GCAGGCTCTGGCGGCCC 0 2778 0
GCAGGCCCAGCGGCCGG 0 627 1
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CCTGGCTCGGGAGGGGG 0 2061 1
GGGGGCCCAGGGCGCTG 0 3363 0
GGCGGCAGAGGGCGGGG 0 3231 0
GGAGGCTGAGGCAGGAG 0 3922 0
GGAGGCTGAGGTGGGAG 0 4058 0
CGTGGCACTGCTCGGCC 0 1215 0
GCGGCCCCGGCTGGATC 0 835 0
GCAGCCCCAGCCCGTCG 0 894 0
CCGGGCCCCCCCAGCGC 0 203 1
GCTGCCGGCGCCTCCTG 0 3276 1
CCCGCCGCTGCGTGCAC 0 2924 1
GCCGGGTGTGGTGGTGC 0 3962 0
GCGGGCGCCTGTAGTCC 0 4433 0
GGAGGCCCACGTGGAAG 0 858 0
GGTGCCGCTGCAGGAAG 0 2835 0
GCTGGCCCTGCTGATTC 0 2352 1
GCCGGCAGCTGCTGCCG 0 2320 0
CCAGGCTGATCTCGAAC 0 4023 1
CCAGGCTGGTCTTGAAC 0 4174 1
CCTGGCACCTCGTGATG 0 2484 1
CCTGGCTCGCGGACCAC 0 3043 0
CCAGCCACAGCAACTGC 0 4673 0
CCTGGCAGGCGGCCACG 0 768 0
GGGGGCTCACGTCCTGG 0 1273 1
GCTGGGAGTCCGTGGTC 0 1152 0
CGTGGCGCTCGTGGACG 0 1122 1
GCTGGCACCAGGTGGCC 0 1945 0
GGTGGCACTTCTCCAGC 0 432 0
GGTGGCACCGCCGAGGC 0 1185 1
GCCGGATGAGGCAGCCC 0 1377 0
GGGGGCTGGGCTGAGGC 0 5359 1
CCTGCCAGTCCTGGAGC 0 489 1
GGCGCCTCCCCGTGGGC 0 542 1
GCTGCCCGCTCGGGGCC 0 186 1
GCAGCCCCTCGGCCGAG 0 3182 1
GCGGGCAGGGACCCTGG 0 67 0
GGAGGCTGGTGCCCTGC 0 162 1
CCTGGCAGAGGGAACAG 0 4912 1
CCTGGCCCGGATGGCGC 0 606 1
GGAGGCTGAGGCGAGAG 0 4406 0
CCTGGATCAGGTCGCGC 0 693 0
GGAGCCCGCCCTTCATC 0 2084 1
CGTGGCTGGTGACGGCG 0 915 1
CCCTGCTGAGGTTCACG 0 3297 1
CCAGCGGCTGCTTGCGC 0 2816 1
CCTGGGTGGCCCCCGAG 0 2165 1
GGTGGATGGGGAGGCCC 0 1728 1
GGGTGCAGTGGCTCATG 0 4095 0
GCAGGATGCCGCTGGCC 0 276 0
CCCGGCCGGAGAGCACC 0 1029 1
GCCCGCTGTGCTGCAGC 0 2667 0
CCATGCACACGCCGTGG 0 1860 0
AGCGGCACAGCTCCACG 0 2604 0
GCTGGGACTACAGCACC 0 4232 1
CCATGCAGTTCTTGTGC 0 1782 0
GGGGCCAGGGCTTAAGG 0 3759 0
CCTGGGGGCTGCGGCGG 0 1302 0
GCCGGGCGCAGTGGCTC 0 4580 0
CGTGGCGCCGAAGCCCC 0 2225 0
GGCGGCTGGCATCGAGG 0 2859 0
CGGGGCTGACCCCAGGG 0 2112 0
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CGCTCCACAGCATGTCC 0 3384 0
CGAGCCACATCTTCTCC 0 350 1
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CGGTCCAGAGGCCCTCC 0 2390 1
GCAGCGAGAGGAAAGTC 0 22 0
GGATGATGTGGGTGGGC 0 1577 0
GCCTGCACGCACAGGTC 0 253 0
GCTGCCGCTTGACAAAG 0 3018 1
GGGGGAACCAGCAGGAC 0 333 0
GGTTGCACTGAGCCGAG 0 3881 0
TCAGCCTGGCCGTGTTG 0 587 1
ACGGGCTCCCCTAAAAG 0 4698 0
CCGGCATCTCGTGCTGC 0 1842 1
AGGTGCCCTGGTGGCCG 0 2643 1
CCTGCCCCATGGCAATG 0 2025 1
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GGCTGGTCATGGAGTAC 0 2795 1
TGGGGCCCTTGGTGGCC 0 876 1
CCAGGCTGTCAGCAGGG 0 1647 0
CGGTGCGCAGAGCCCTG 0 746 1
CCTGCACCATGGTGCTG 0 1884 0
\*\* \*\*\* \* \*\*  \*  \*
MAP Score: 187.7

Motif 3
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GGGCCAGGTCCAACACGGC 0 595 0
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GGGCCAGGACTCAGAGAGC 0 3695 0
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GGGGCAGGCCTTTGTCCTC 0 2014 0
GCCGCTGGGCCTGCTCTCG 0 622 0
GGACCGGCAGCAGCTGCCG 0 2316 1
GGCCCCGCGCGTTGGCCCG 0 1014 1
GCGCCGGCAGCCTCTGGCC 0 3268 0
GCTCCTGCCCGCAGACCTC 0 3474 1
GCTGCTGGAGGAAGTGGCC 0 1200 1
GGCGCAGGGCTCTGCGCAC 0 748 0
GCGGCTGGTCATGGAGTAC 0 2793 1
GCTGCAGCTGTTTCACGGC 0 2656 0
GCCCCAGCCCGTCGTGGCC 0 889 0
GCAGCGGCGGGAGCCCAGG 0 2916 0
GGTGCTGCTGAAGGTCATG 0 1755 1
GCCGCTGCAGGAAGTCGCG 0 2830 0
GCAGCAGCACATGCAGGGC 0 172 0
GACCCTGGGGTCAGCCCCG 0 2110 1
GAACCTGGGCCATGGGTCC 0 1674 1
GAGGCAGGAGAATCGCTTG 0 3913 0
GGGCCGGGCGCAGTGGCTC 0 4580 0
GATCCAGCCGCTCCAGGTC 0 820 0
CCTCCCGGAGACACTCGGG 0 2176 0
GGGCGGGGACATCCCGCTC 0 3220 0
CCACCTGGTGCCAGCCAGC 0 1947 1
GCTCGGGGGGAACCAGCAG 0 336 0
CCCCCAGGACTTTGACAGC 0 1311 1
CGCCCTGGGCCCCCAGCTG 0 3366 1
CGGCCAGGTCGCGGTGCAC 0 2935 0
GGCCCAGCACAGCTTCATG 0 3318 0
GGGCGGGCAGAGCCGGGAG 0 39 0
GCTGGAGGACCTCCTGTTC 0 952 0
GCGGCAGCAGCTTAGCTAG 0 3007 0
GCAGGTGGTCAAACAGCTG 0 1974 1
GGATCAGGGGCGTCTCTTC 0 115 0
GCTCCAGACGTCTGACTGG 0 3117 0
GCGCCGGATGAGGCAGCCC 0 1377 0
GGTCCGCGAGCCAGGCCAG 0 3045 1
GGAGGCGCCCACTCACCAG 0 532 0
GGAGCAGCACGAGATGCCG 0 1843 0
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GGCGCCGAAGCCCCACTTG 0 2220 0
GGGCCTGAGCTTCGTGACG 0 708 1
GAGCCAGGACGTGAGCCCC 0 1274 0
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TGACCAGGCGGTGCTCTCC 0 1036 0
CACCCAGGGGATCCTGTCG 0 2154 0
GCCGCTGGCCTTGGCAGCC 0 267 0
GAAGGAGGCGGCTGGCATC 0 2863 0
GGGGCCGCCGAGACCTTCC 0 844 1
GGCCCCAGGGAGGCCCACG 0 864 0
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AGACCGGCACTCGCTCATG 0 786 1
TGCCCAGCTCTATGCCTGC 0 2514 1
GGTCCAGAGGCCCTCCTTC 0 2391 1
TCAGCGGGAGATTCAGATC 0 2703 1
ACAGCTGGGCAAGGGCAAC 0 2577 1
GGTCGCGCAGGCTTGGGGG 0 682 0
GATCCAGGGCACTGATGGG 0 2272 0
TCAGCAGGGCAGGCAGGAG 0 3287 0
CCTGGGGGCCATAGACATG 0 1911 1
GGGTGTGGTGGTGCACACC 0 3957 0
GGGTGTGGTGGCGGGCGCC 0 4441 0
GACCCTGCACAGCCAAGGG 0 5081 0
GGCTGGGGTCCCAGTCCAC 0 4749 1
GCTGGAGAAGTGCCACCGC 0 432 1
GGCTGAGGCCAACCAGAAG 0 1414 0
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GGTCGTCCTGTACGAGCTC 0 3141 1
GGAGGCGGAGCTTGCAGTG 0 4372 0
\*\* \*\* \*\* \*   \* \*  \*
MAP Score: 186.374

Motif 4
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GACGGGCTGGGGCTGCTCCGCGTG 0 895 1
GGCCCGGCCGGAGAGCACCGCCTG 0 1027 1
CTGGGCAAAGAGGTGCTCCAGGAC 0 496 0
CCACAGCATGTCCAGCTGGGGGCC 0 3373 0
CGCCTCTTGGAACTGCTGGAGGAG 0 3244 1
GAGGCGCGCGCGGTGCCGCTGCAG 0 2839 0
GGCCAGGTCGCGGTGCACGCAGCG 0 2929 0
GTACCTGCCCAGCGGCTGCTTGCG 0 2808 1
GCTCATGAAGCTGTGCTGGGCCCC 0 3315 1
GAAGGGCGGGCAGAGCCGGGAGGC 0 37 0
CGACAAAAGCTGCAGCCCCTCGGC 0 3171 1
GAGCCAGGACGTGAGCCCCCAGTC 0 1269 0
CAGCTTGATGAAGGGCGGGCTCCC 0 2083 0
CTTGCAGAAGAAGTGCTGGGAGTC 0 1159 0
CAGCTATGGCCCGGGCCGCCAGAG 0 2766 1
GGAGGACCTGTCCTGCTGGTTCCC 0 324 1
GGCCACTTCCTCCAGCAGCCTCGG 0 1195 0
CTAGCTAAGCTGCTGCCGCTTGAC 0 3007 1
GCCGAGTTCCCAGGGCTGCCCGAG 0 1087 1
CTGCCTCATCCGGCGCAGCCCCAC 0 1380 1
GCTCGGGGCCCCGGGCCCCCCCAG 0 193 1
GAGCAGGCCCAGCGGCCGGGAGAG 0 625 1
CTACTTCAGGAACACCCCCATGAC 0 3577 1
CTCCCGAGCCAGGAGCACCTTCCG 0 2050 0
GATCCCCTGGGTGGCCCCCGAGTG 0 2160 1
CACGAGGTGCCAGGGCACCAGGTG 0 2474 0
CAGGTTAAGCTTCTGCTGCTCCTC 0 5131 1
GGTGCCCTGCATGTGCTGCTGCCC 0 169 1
CGCCATCCGGGCCAGGTCCAACAC 0 598 0
GCAGGAAAGGCTGGGGTCCCAGTC 0 4741 1
GGCCACCAAGGGCCCCAGGGAGGC 0 869 0
CTGGTGAGTGGGCGCCTCCCCGTG 0 532 1
CATCTACGTGCAGCCCCCCATCCC 0 1472 0
GGAGAACAGGAGGTCCTCCAGCCC 0 949 1
GCCGGTCCAGAGGCCCTCCTTCCG 0 2388 1
GCTGTCAAAGTCCTGGGGGCTGCG 0 1306 0
CAGGAATTTGTACACCTGGGGGCC 0 1897 1
CCGCTGAAAGTCCCTCTGCTGGTC 0 2686 0
CAGCTGTTTCACGGCCACCAGGGC 0 2647 0
CTGCGAAAACGTGGCCACCTGGTG 0 1933 1
GAAGAGCTCGTACAGGACGACCCC 0 3139 0
CTGGATCCAGCCGGGGCCGCCGAG 0 832 1
GTTCTCATGCCACTCCAGGCTGTC 0 1654 0
CCAGGAGTTCAAGACCAGCCTGGG 0 4173 0
CAGGCCCTGGATCAGGTCGCGCAG 0 691 0
CCGGAAGTAGCCGTCCACGAGCGC 0 1126 0
CCCAGAGAGGGGCAGCTCCGGGCC 0 3529 0
GAAGCGGTGGCACTTCTCCAGCCC 0 430 0
GGGATTACAGGTGTGCACCACCAC 0 3948 1
CAAGCACAAGAACTGCATGGAGTC 0 1779 1
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GGCAGGCAGGAGGCGCCGGCAGCC 0 3275 0
CAGGGCACTGATGGGCATGGTGAC 0 2263 0
CATGAGCCACTGCGCCCGGCCCTC 0 4577 1
GTGGGGCTTCGGCGCCACGGTCTG 0 2223 1
GGTCTGGGGATACAGCAGGAAGTG 0 1512 0
GATGGCCAGGCTGATCTCGAACTC 0 4018 1
GTCCATGATGTACTTGGCCATGAG 0 799 0
GACGTGTGCCTCGCTCTCCACGAG 0 2965 0
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GGCCTTGGCAGCCTGCACGCACAG 0 256 0
GCCCCCTCTGTACTGAGGCCTCAG 0 5369 0
CGCACCACTGCACTCCACCCTGGG 0 3855 0
CATCCCTTTGTGCCCCTTGTAGGG 0 4837 0
GTCCTCCGAATACGCCTCCGCGTC 0 723 0
CCTCCAAGTGAAGAGACGCCCCTG 0 106 1
CGCCATGAGGTGGTGGATGGGGAG 0 1717 1
GGGGTCTGAGAGGAGCTCATAGTC 0 2449 0
GTTCAAGCGATTCTCCTGCCTCAG 0 3910 1
GTGCAACTTGCCTAGCGGGCAGGG 0 74 0
GCTCACTGCAAGCTCCGCCTCCTG 0 4369 1
GCCCGAAAGACAGAGGTGCTGCTG 0 1741 1
CTCCACGGAGAAGATGTGGCTCGG 0 349 0
CTGGGTCCAGGCGATGCCGCCGTC 0 925 0
GCTGCCAAAGTTGCCCTTGCCCAG 0 2581 0
GCTAAGTGTCTGCGCCTCCCGGAG 0 2185 0
GGGGCTCTGGCCTGGCTCGCGGAC 0 3046 0
CCCCTTAAGCCCTGGCCCCCTGAG 0 3757 1
GTCCAGAGAGGTCACAGCCCACCC 0 1561 1
GAACCCTGAGGTCAGGGGAGACAG 0 5332 0
CTTCTGGTTGGCCTCAGCCGACCC 0 1414 1
GGTGTTTGCCCTCTGGGTGAGCAG 0 3431 0
GAGCAGTTGCTGTGGCTGGGACTC 0 4671 1
GAGACACTCACCCTGCTCCTTGAG 0 565 0
CCGAGACGGGCAGATCACGAGGTC 0 4528 0
GCAGAGGGCGGGGACATCCCGCTC 0 3220 0
GTGATCCTCCCACCTCAGCCTCCC 0 4052 1
CATGCCAAGCGTGAGAAGGCTCAG 0 4929 1
GCCAGCTGGAAGCTGCAGGTGGTC 0 1960 1
GAAGGAAAGGCATTCCTGGCAGAG 0 4898 1
CGAGTGCCGGTCTGCCTGGCAGGC 0 775 0
GTGGACAAGAGGCTGCATGAACGC 0 138 0
CCTGGAAGCAGCGAGCTTGATGAG 0 1806 1
CAGAGTGATGGGGCCGTGGCACTG 0 1222 0
CTTGGTGAAGGACCCATGGCCCAG 0 1678 0
\*  \*     \*  \* \*\* \*\*  \* \*
MAP Score: 181.441

Motif 5
GCGGAGCAGCCCCAGCCCGTCGTGGCC 0 889 0
CTGCAGCTGTTTCACGGCCACCAGGGC 0 2647 0
GAGGTGCTGCTGAAGGTCATGGATGCC 0 1753 1
CCGGTCCAGAGGCCCTCCTTCCGAGCC 0 2389 1
GAGTACCTGGGCTCCCGCCGCTGCGTG 0 2911 1
GTGATGGGGCCGTGGCACTGCTCGGCC 0 1215 0
GGGATCCTGAAAGGGGGCAGGAAAGGC 0 4725 1
GACCAGGCGGTGCTCTCCGGCCGGGCC 0 1027 0
GGGCTGGAGAAGTGCCACCGCTTCGGG 0 430 1
GAGCTCGTGAACCTCAGCAGGGCAGGC 0 3292 0
GAGCTCCTGGCAACCTGCTGGGATGGG 0 1453 1
CTGGTGCCCTGGCACCTCGTGATGGGC 0 2477 1
GCGTGGCCGCCTGCCAGGCAGACCGGC 0 767 1
GCCATCCGGGCCAGGTCCAACACGGCC 0 594 0
CAGCGGCACCGCGCGCGCCTCGATGCC 0 2842 1
GGGGCCGCCGAGACCTTCCACGTGGGC 0 844 1
GACTCCCAGCACTTCTTCTGCAAGGAG 0 1159 1
CTGTACGAGCTCTTCACCTACTGCGAC 0 3148 1
GCCCAGGAGTTCAAGACCAGCCTGGGC 0 4172 0
CGGCAGCAGCTTAGCTAGGCCGAAGTC 0 2998 0
GTGGAGCGGAAGCCGGGGGTGTGAGAC 0 3393 1
GGCAGCGTGGAGCTGTGCCGCTATGAC 0 2599 1
CAGCCGCAGGCTCTGGCGGCCCGGGCC 0 2773 0
GGCCTCCCCATCCACCACCTCATGGCG 0 1717 0
GGCCAGGACTCAGAGAGCCCCACTGAC 0 3686 0
CAGGAGGTCCTCCAGCCCTTCTGCGAC 0 955 1
GTGAGCGGGATGTCCCCGCCCTCTGCC 0 3218 1
GGGAACCAGCAGGACAGGTCCTCCGTG 0 321 0
GACCTGGTGAGTGGGCGCCTCCCCGTG 0 529 1
CCGAGCGGGCAGCAGCACATGCAGGGC 0 172 0
GTCCAGCTGTCTCCCCTGACCTCAGGG 0 5326 1
CAGCCCCGGTAAATCTTGGTGAAGGAC 0 1689 0
GTCGCGCAGGCTTGGGGGTAGGCAGGC 0 673 0
GAGTACCTGCCCAGCGGCTGCTTGCGC 0 2806 1
CAGCTGCCGGCCCCCAAGTGGACAGAG 0 2326 1
GCCAAGGCCAGCGGCATCCTGCCTGTG 0 271 1
CTGTCGCCCAGGCTGGAGTACAGTGGC 0 4333 1
GTGCTGGGCAAAGAGGTGCTCCAGGAC 0 496 0
CTGGCCGCCCGAAACATCCTCGTGGAG 0 2947 1
GCGGAGGCGTATTCGGAGGACGGTGCG 0 726 1
CTGGAGGACAAAGGCCTGCCCCATGGC 0 2011 1
CTCACCGACAGGATCCCCTGGGTGGCC 0 2149 1
GTGGCGCTCGTGGACGGCTACTTCCGG 0 1123 1
CTCCGCCGCAGCCCCCAGGACTTTGAC 0 1300 1
CAGGTGGTCAAACAGCTGGCCTACGCC 0 1975 1
GGCTTCGGCGCCACGGTCTGGGAAGTG 0 2227 1
CACAGCGGGCCAGACCAGCAGAGGGAC 0 2674 1
CTGGAGGAGGGCCAGAGGCTGCCGGCG 0 3259 1
GTGGGGCTGCGCCGGATGAGGCAGCCC 0 1377 0
CACTTCCCCAGCCCCAGGGCCAGAGTG 0 5294 0
CAGAGCCTCGGGCAGCCCTGGGAACTC 0 1090 0
CACTGCCACCCCATCTACGTGCAGCCC 0 1480 0
CACCTGGTGCCAGCCAGCTGGAAGCTG 0 1948 1
CGGTACGACACTTGGCTCATCAAGCTC 0 1818 0
CTCATGGCCAAGTACATCATGGACCTG 0 799 1
CTGAGGCCCAGAGAGGGGCAGCTCCGG 0 3532 0
CAGCAGCTCTCCCGGCCGCTGGGCCTG 0 628 0
CCCCTCCCGAGCCAGGAGCACCTTCCG 0 2050 0
GACCGGCCATCATTCAGCGCCCTGGGC 0 3349 1
GAGAGGGAAAGGAACTTGCCCACTGTC 0 5013 0
GGGAAGCAGAGGTTGCACTGAGCCGAG 0 3881 0
GAGCCGGGAGGCAGCGAGAGGAAAGTC 0 22 0
GCCTGGCTCGCGGACCACGTAGTAGTC 0 3034 0
CTGCACGCACAGGTCCTCAGCCAAGTG 0 241 0
GCCAAGGACAAGAGCAGTTGCTGTGGC 0 4660 1
CTGCTGCTCCTCCTCACCTGCAAAGCT 0 5143 1
GTCAGCCCCGCTGTGTTAAGCCTGGAG 0 2119 1
CAGAGCCTCGCTCTGTTACCCAGGGTG 0 3837 1
CCCAGGAGGCGGAGCTTGCAGTGAGCC 0 4368 0
GCCTGCCAAGACCCCACGATCTTCGAG 0 2527 1
CAGGTGGGAAAACTGAAGCCCTAGGAC 0 4785 0
GGCCCCCAGGTGTACAAATTCCTGCAC 0 1894 0
GACTGGCGAGAGAAGATGTTGTCCGAG 0 3096 0
GTGCTGCTCCACGGCGTGTGCATGGCT 0 1852 1
CCGAGCCACATCTTCTCCGTGGAGGAT 0 349 1
GGGCGCCTGTAGTCCCAGCTACTTGGG 0 4421 0
GTCTGGGGATACAGCAGGAAGTGAGGG 0 1508 0
GGCCCCCTGAGTTTCCTTTTCTGTCTC 0 3770 1
CCCATCATCCGCAGGAACTCGGCCGAG 0 3189 0
GTCCAGGCGATGCCGCCGTCACCAGCC 0 918 0
GGGCTGGAGGGAAGGACAGGGCTACAG 0 5267 0
CAGCGGGAGATTCAGATCCTCAAAGCA 0 2704 1
GGCCACAGGCTATTCTACAGGCCACGG 0 3620 0
GGCCGGGCGCAGTGGCTCATGCCTGTA 0 4571 0
GCCAGGCTGATCTCGAACTCCTAACCT 0 4022 1
\* \*  \*\* \*     \*  \*  \*   \* \*
MAP Score: 179

Motif 6
CTGCGGCTGGTCATGGAGTACCTGCCC 0 2791 1
GCGCTGGGGGGGCCCGGGGCCCCGAGC 0 193 0
CCCCAGCCCGTCGTGGCCACCAAGGGC 0 880 0
GACAAGTGGGGCTTCGGCGCCACGGTC 0 2218 1
GAGAAGGAGGCGGCTGGCATCGAGGCG 0 2857 0
CTGGTGAGTGGGCGCCTCCCCGTGGGC 0 532 1
GTGCTCTCCGGCCGGGCCAACGCGCGG 0 1018 0
GAGCAGGGTGAGTGTCTCAGCCTGGCC 0 571 1
GTGGAGAGCGAGGCACACGTCAAGATC 0 2968 1
CTCTGGCCTGGCTCGCGGACCACGTAG 0 3039 0
CGGTCCTGTGGGCTAGGGGCCCAGCAC 0 3327 0
CTGGTGGCCGTGAAACAGCTGCAGCAC 0 2650 1
CTGCTGGAGGAGGGCCAGAGGCTGCCG 0 3256 1
CCGGGCAGAGACATTGCCATGGGGCAG 0 2026 0
GTGCGCAGAGCCCTGCGCCGCGTGGCC 0 748 1
GTCAGCTATGGCCCGGGCCGCCAGAGC 0 2764 1
CACTTGGCTGAGGACCTGTGCGTGCAG 0 241 1
GAGCGGGATGTCCCCGCCCTCTGCCGC 0 3220 1
GAGTCCGTGGTCAGCCGGAAGTAGCCG 0 1137 0
GGCAACTTTGGCAGCGTGGAGCTGTGC 0 2590 1
GCGGTGCTGGGCAAAGAGGTGCTCCAG 0 499 0
CTGACCCCAGGGTCACTCAGCTTGATG 0 2097 0
CCCTCGGCCGAGTTCCTGCGGATGATG 0 3187 1
GGGCTGGAGGACCTCCTGTTCTCCCTG 0 946 0
GTCATGGGGGTGTTCCTGAAGTAGAGG 0 3574 0
GAGAGGAAAGTCCCACTCGGCTCCTTC 0 7 0
CTGCAGGTGGTCAAACAGCTGGCCTAC 0 1972 1
CTGGAGGAAGTGGCCGAGCAGTGCCAC 0 1204 1
GAGAACCTGGGCCATGGGTCCTTCACC 0 1672 1
GGCCACCTGGTGCCAGCCAGCTGGAAG 0 1945 1
CCGCTGAAAGTCCCTCTGCTGGTCTGG 0 2683 0
GTGGCCCCCGAGTGTCTCCGGGAGGCG 0 2170 1
GTCTTGGCAGGCATAGAGCTGGGCACC 0 2512 0
CGCCGCTGCGTGCACCGCGACCTGGCC 0 2926 1
GTGACCTTAGGCCCGGAGCTGCCCCTC 0 3520 1
GCCACGAACGACAGAGCCTCGGGCAGC 0 1101 0
CAGTGCATGGCCTATGAGCCGGTCCAG 0 2371 1
CAGACCCCACACCTGGTGCCCTGGCAC 0 2465 1
CGGCAGCAGCTGCCGGCCCCCAAGTGG 0 2320 1
CTCCTGCCTGCCCTGCTGAGGTTCACG 0 3287 1
CACGCCGTGGAGCAGCACGAGATGCCG 0 1843 0
GCCTAGATTGCGCCACTGTACTCCAGC 0 4344 0
CTGAGGCAGGAGAATCGCTTGAACCTG 0 3907 0
GTCATGGATGCCAAGCACAAGAACTGC 0 1768 1
CTGCTCTCGCGCCATCCGGGCCAGGTC 0 604 0
GCCCTGGGCCCCCAGCTGGACATGCTG 0 3367 1
CTGGCCACGGAGGACCTGTCCTGCTGG 0 316 1
CTCCTCACTGTCTGTGTCCAGAACCCC 0 1333 1
CTGCGCGACCTGATCCAGGGCCTGAGC 0 691 1
GCCCAGCGGCCGGGAGAGCTGCTGAAG 0 631 1
CAGGGGATCCTGTCGGTGAGCATCTCC 0 2142 0
GGGCAGCAGCACATGCAGGGCACCAGC 0 166 0
CCCATCAGCCCCCTCCCGAGCCAGGAG 0 2059 0
CCCTCCAGCCCCACTCTGGCCCTGGGG 0 5283 1
CTCTCGCCTCAGCCTCCCAAGTAGCTG 0 4406 1
CGGCACTCGCTCATGGCCAAGTACATC 0 790 1
GGGGTCGTCCTGTACGAGCTCTTCACC 0 3139 1
ACCATGATGGCCAGGCTGATCTCGAAC 0 4013 1
CGCGACTTCCTGCAGCGGCACCGCGCG 0 2830 1
ATCTGCAAGGGCATGGAGTACCTGGGC 0 2896 1
CAGATACATGTCTATGGCCCCCAGGTG 0 1909 0
CTTTCGAAGGGCGGGCAGAGCCGGGAG 0 39 0
CTGGTGAGAGGGATTCTCATGCAGGTT 0 5110 1
CAGGGAGTGGTGTTTGCCCTCTGGGTG 0 3436 0
CTGGAGGAAGCCAAGGACAAGAGCAGT 0 4651 1
ATCTTCGAGGAGAGACACCTCAAGTAC 0 2545 1
CTCCACCCTGGGTAACAGAGCGAGGCT 0 3840 0
GGTGGCAGTGACCCTCACTTCCTGCTG 0 1497 1
CTGGATCCAGCCGGGGCCGCCGAGACC 0 832 1
CCCACAGCAGTCTTCGAGAGCTCCTGG 0 1436 1
CGGGGCTGTCGCCATGAGGTGGTGGAT 0 1708 1
GAGCCACTGCGCCCGGCCCTCATGTAG 0 4580 1
GCTACGTTGCCCAGGCTGGTCTTGAAC 0 4164 1
GGGTGTGGTGGCGGGCGCCTGTAGTCC 0 4433 0
GTGGCTGGTGACGGCGGCATCGCCTGG 0 916 1
CCTGTGGGGCTGCGCCGGATGAGGCAG 0 1380 0
CTGCATGAACGCTGAGGGATCAGGGGC 0 123 0
GATCCCAAAGAGATACACGGGCTCCCC 0 4704 0
GGCATTCCTGGCAGAGGGAACAGCATG 0 4906 1
GGTCCCTGCCCGCTAGGCAAGTTGCAC 0 71 1
AGCCCGAAGCGGTGGCACTTCTCCAGC 0 432 0
CATGAGTCTCACACCCCCGGCTTCCGC 0 3398 0
CATAGGAGCCAGGACGTGAGCCCCCAG 0 1271 0
CCCGAATCCCTCTCGGACAACATCTTC 0 3085 1
AGCGGCATCCTGCCTGTGTACCACTCC 0 280 1
\* \*  \*   \* \*   \* \*  \*  \*  \*
MAP Score: 174.352

Motif 7
GGCGCTGGGGGGGCCCGGGGCCCCG 0 196 0
GAGGCTGCTGGAGGAAGTGGCCGAG 0 1197 1
GGCGATGCCGCCGTCACCAGCCACG 0 915 0
GCCCAGGGCGCTGAATGATGGCCGG 0 3351 0
GTGCACGCAGCGGCGGGAGCCCAGG 0 2916 0
GCTGCTGAAGGTCATGGATGCCAAG 0 1758 1
GCACGAGATGCCGGTACGACACTTG 0 1831 0
GACCGTGGCGCCGAAGCCCCACTTG 0 2220 0
CGCGGTGCCGCTGCAGGAAGTCGCG 0 2830 0
CCGGCAGCAGCTGCCGGCCCCCAAG 0 2319 1
CCTGGAGCGGCTGGATCCAGCCGGG 0 822 1
CACCATGGTGCTGTCTCCAGCCATG 0 1872 0
CATGGGGCAGGCCTTTGTCCTCCAG 0 2011 0
CTCCCGGCCGCTGGGCCTGCTCTCG 0 622 0
GAGGCTGCCGGCGCCTCCTGCCTGC 0 3273 1
CTGGCAGGCGGCCACGCGGCGCAGG 0 759 0
CTCCCTGGGGCCCTTGGTGGCCACG 0 871 1
GATGCCGCTGGCCTTGGCAGCCTGC 0 264 0
GATCTTCGAGGAGAGACACCTCAAG 0 2544 1
CGGGAGGGGGCTGATGGGAGCCCGC 0 2068 1
CTTGTCCACGGAGGCTGGTGCCCTG 0 153 1
GGCCGTGTTGGACCTGGCCCGGATG 0 594 1
GGTGCTCCAGGACTGGCAGGTCAAG 0 484 0
GTTCGTGGCGCTCGTGGACGGCTAC 0 1119 1
GAAGTGCTGGGAGTCCGTGGTCAGC 0 1149 0
CCAGCAGAGGGACTTTCAGCGGGAG 0 2688 1
CTTCTGGTTGGCCTCAGCCGACCCC 0 1414 1
GCTGGTCATGGAGTACCTGCCCAGC 0 2796 1
CCAGGAGGCGGAGCTTGCAGTGAGC 0 4369 0
CCTCGGGCAGCCCTGGGAACTCGGC 0 1087 0
GCAGAGGTTGCACTGAGCCGAGATC 0 3878 0
GCTGCAGGTGGTCAAACAGCTGGCC 0 1971 1
GGCGGCCCGGGCCATAGCTGACACC 0 2761 0
GGAGGAGCAGCAGAAGCTTAACCTG 0 5131 0
CCAGGCGGTGCTCTCCGGCCGGGCC 0 1027 0
CCTCCTCCAGCAGTTCCAAGAGGCG 0 3244 0
CAGGAACTCGGCCGAGGGGCTGCAG 0 3180 0
GAAGATGTGGCTCGGGGGGAACCAG 0 339 0
CGGGGAGGCGCCCACTCACCAGGTC 0 529 0
CAGCCCCAGGGCCAGAGTGGGGCTG 0 5288 0
CCGGGAGGCGCAGACACTTAGCTTG 0 2187 1
GCTGGCCCTGCTGATTCAACAGTGC 0 2352 1
CGTGGAGAGCGAGGCACACGTCAAG 0 2967 1
GATGAGGTTTCACCATGATGGCCAG 0 4002 1
GACGGAGTCTCGCTCTGTCGCCCAG 0 4319 1
CCACTCCAGGCTGTCAGCAGGGATC 0 1644 0
CTACAGGCGCCCGCCACCACACCCG 0 4436 1
GCTGAGGGATCAGGGGCGTCTCTTC 0 115 0
GAGGCCGAGACGGGCAGATCACGAG 0 4531 0
GATCGTGGTCCAGAGAGGTCACAGC 0 1554 1
CTACGTGGTCCGCGAGCCAGGCCAG 0 3039 1
CCTGGTGGCCGTGAAACAGCTGCAG 0 2649 1
CCGGGGGTGTGAGACTCATGCCTTC 0 3405 1
CAGGACGACCCCGAAGCTCCAGACG 0 3126 0
GAGCTCCTCTCAGACCCCACACCTG 0 2455 1
GTCCCAGCCACAGCAACTGCTCTTG 0 4668 0
GCTGAGGTGGGAGGATCACTTGAGG 0 4046 0
CCTCGTGATGGGCTGTGGAATGGTG 0 2491 1
CCTGCGCGACCTGATCCAGGGCCTG 0 690 1
GAGGCTGAGGCAGGAGAATCGCTTG 0 3913 0
CTGGCAGAGGGAACAGCATGCCAAG 0 4913 1
CAAGCTGAGTGACCCTGGGGTCAGC 0 2100 1
GGCCTTGTAGCTGACAGTCTTCAGC 0 651 0
GCCCGAAGCGGTGGCACTTCTCCAG 0 433 0
CGACAGGATCCCCTGGGTGGCCCCC 0 2154 1
GTCCTCCGTGGCCAGAGCAAAGAGG 0 306 0
GGTCAACTTTCTGACTGGTGAGAGG 0 5096 1
GAGGCCCAGAGAGGGGCAGCTCCGG 0 3532 0
GCTCATCAAGCTCGCTGCTTCCAGG 0 1806 0
GGGCAACTTTGGCAGCGTGGAGCTG 0 2589 1
GTGGTAGCTGGAGTTTTGAGAGATG 0 5206 0
CAGCCCCCAGGACTTTGACAGCTTC 0 1308 1
GCTGAGGCGAGAGAATGGTGTGAAC 0 4394 0
CCCCATCTACGTGCAGCCCCCCATC 0 1474 0
CAGCTGGCTGGCACCAGGTGGCCAC 0 1943 0
CTTGGTGAAGGACCCATGGCCCAGG 0 1677 0
GACGGGGTTTCACCTTGTTAGCCAG 0 4486 1
CCGGGGCTGTCGCCATGAGGTGGTG 0 1707 1
CCAGCTCTATGCCTGCCAAGACCCC 0 2517 1
CGAGAGGAAAGTCCCACTCGGCTCC 0 10 0
GATGGGGAGGCCCGAAAGACAGAGG 0 1732 1
GCCCGTGTATCTCTTTGGGATCCTG 0 4709 1
CCCCAAGGAACCCTGAGGTCAGGGG 0 5338 0
CCGGCACTCGCTCATGGCCAAGTAC 0 789 1
CGAGTAGCTGGGATTACAGGTGTGC 0 3939 1
GACCCGCTAGGCGACAATACAGGTG 0 2623 1
CGTCACCATGCCCATCAGTGCCCTG 0 2262 1
GATGTTGTCCGAGAGGGATTCGGGG 0 3084 0
\*  \*  \*  \*\* \*   \*  \* \*  \*
MAP Score: 170.74

Motif 8
GATGCCGCTGGCCTTGGCAGCCTGC 0 264 0
CCCGCTCGGGGCCCCGGGCCCCCCC 0 190 1
GGGCCGGCAGCTGCTGCCGGTCCTC 0 2314 0
GAGGCTGAGGCAGGAGAATCGCTTG 0 3913 0
GAGGCTGAGGTGGGAGGATCACTTG 0 4049 0
GCTGCTGAAGGTCATGGATGCCAAG 0 1758 1
GGGCCGCCAGAGCCTGCGGCTGGTC 0 2778 1
GGTGCTCCAGGACTGGCAGGTCAAG 0 484 0
GCAGGCCTTGTAGCTGACAGTCTTC 0 654 0
GTCGCGCAAGCAGCCGCTGGGCAGG 0 2811 0
GGGGCTGCGCCGGATGAGGCAGCCC 0 1377 0
GTTCGTGGCGCTCGTGGACGGCTAC 0 1119 1
CTGGCAGGCGGCCACGCGGCGCAGG 0 759 0
GCAGCCCCAGCCCGTCGTGGCCACC 0 886 0
CAGGCCCTGGATCAGGTCGCGCAGG 0 690 0
CACCCAGGGGATCCTGTCGGTGAGC 0 2148 0
GTGGCTCGGGGGGAACCAGCAGGAC 0 333 0
GCTGGAGGAGGGCCAGAGGCTGCCG 0 3258 1
CCTGCAGCGGCACCGCGCGCGCCTC 0 2838 1
GCTGCAGCACAGCGGGCCAGACCAG 0 2667 1
CCTCGTGGAGAGCGAGGCACACGTC 0 2964 1
CCTCGGGCAGCCCTGGGAACTCGGC 0 1087 0
GTGCCAGGGCACCAGGTGTGGGGTC 0 2467 0
GAGGCGGAGCTTGCAGTGAGCCTAG 0 4365 0
GCAGCTCTCCCGGCCGCTGGGCCTG 0 628 0
GGAGCCCAGGTACTCCATGCCCTTG 0 2901 0
GCTGGGCAAGGGCAACTTTGGCAGC 0 2580 1
CCACCCCATCTACGTGCAGCCCCCC 0 1477 0
GACCGTGGCGCCGAAGCCCCACTTG 0 2220 0
GAAGCAGAGGTTGCACTGAGCCGAG 0 3881 0
CCGCGCGTTGGCCCGGCCGGAGAGC 0 1018 1
GTGCCACCGCTTCGGGCTACGCAAG 0 441 1
GGCCGTGTTGGACCTGGCCCGGATG 0 594 1
CAGCCCCTCGGCCGAGTTCCTGCGG 0 3183 1
CTTGCAGAAGAAGTGCTGGGAGTCC 0 1158 0
GGCCGAGCAGTGCCACGGCCCCATC 0 1215 1
GAAGCTGCAGGTGGTCAAACAGCTG 0 1968 1
GGCGCAGTGGCTCATGCCTGTAATC 0 4568 0
GAGCGGCTGGATCCAGCCGGGGCCG 0 826 1
GTTTCGGGCGGCCAGGTCGCGGTGC 0 2937 0
GAGGCCCACGGGGAGGCGCCCACTC 0 537 0
GCAGCACGAGATGCCGGTACGACAC 0 1834 0
GGTTCACGAGCTCATGAAGCTGTGC 0 3306 1
CTTCCACGTGGGCCTCCCTGGGGCC 0 858 1
GTCGCAGAAGGGCTGGAGGACCTCC 0 957 0
GGCCCGGAGCTGCCCCTCTCTGGGC 0 3529 1
CGCCCTGGGCCCCCAGCTGGACATG 0 3366 1
CTTCGGGGTCGTCCTGTACGAGCTC 0 3135 1
CCACCACCTCATGGCGACAGCCCCG 0 1708 0
GATGGGCATGGTGACGCCACTAAAC 0 2253 0
CGCTCTGTCGCCCAGGCTGGAGTAC 0 4329 1
CATGGCCAAGTACATCATGGACCTG 0 801 1
CTATGAGCCGGTCCAGAGGCCCTCC 0 2382 1
CTACGTGGTCCGCGAGCCAGGCCAG 0 3039 1
GCGGCAGAGGGCGGGGACATCCCGC 0 3222 0
CCAGGAGTTCAAGACCAGCCTGGGC 0 4172 0
CCAGGCGATGCCGCCGTCACCAGCC 0 918 0
CAGCCCCCTCCCGAGCCAGGAGCAC 0 2056 0
GGGCCCCTAGCCCACAGGACCGGCC 0 3332 1
GCAGTTGCTGTGGCTGGGACTCTGC 0 4673 1
CGTGGACAAGAGGCTGCATGAACGC 0 138 0
CTCTCGCTGCCTCCCGGCTCTGCCC 0 29 1
GTGGGGCTGGAGGGAAGGACAGGGC 0 5272 0
GCGCCTCCCGGAGACACTCGGGGGC 0 2173 0
CTCGGACAACATCTTCTCTCGCCAG 0 3096 1
GCAGCACATGCAGGGCACCAGCCTC 0 163 0
GGTCCTCTACTTCAGGAACACCCCC 0 3571 1
CCCCCAGGTGTACAAATTCCTGCAC 0 1894 0
GTCTCACACCCCCGGCTTCCGCTCC 0 3395 0
CCACGGCGTGTGCATGGCTGGAGAC 0 1860 1
GGAGGAGCAGCAGAAGCTTAACCTG 0 5131 0
GTGTCTCTCCTCGAAGATCGTGGGG 0 2538 0
GATGATGTGGGTGGGCTGTGACCTC 0 1568 0
CCCTCACTTCCTGCTGTATCCCCAG 0 1508 1
GACCCGCTAGGCGACAATACAGGTG 0 2623 1
CTTTGGGGACCACTTGGCTGAGGAC 0 231 1
GATGGCCAGGCTGATCTCGAACTCC 0 4018 1
CATCAACAAGCTCAAGACTGGGGGC 0 1254 1
GAACCCTGAGGTCAGGGGAGACAGC 0 5331 0
CTTGGTGAAGGACCCATGGCCCAGG 0 1677 0
GCACCAGGTGGCCACGTTTTCGCAG 0 1933 0
GGGGGCTGGGCTGAGGCCTCAGTAC 0 5359 1
GCCTCCCAAGTAGCTGGGACTACAG 0 4417 1
CTTTGCCCAGCACCGCAGTGACCTG 0 510 1
GCAGGAAAGGCTGGGGTCCCAGTCC 0 4741 1
CTATCTGGAGGACAAAGGCCTGCCC 0 2007 1
CCCTCTCTGGGTCTCAGTTCTGTCC 0 5033 1
CCAGCAGCCTCGGCGGTGCCACCTC 0 1183 0
GATTCAGATCCTCAAAGCACTGCAC 0 2712 1
GTGGGGGTATATGAGGGAAGGCTGC 0 5237 0
GCAGCTTAGCTAGGCCGAAGTCAGC 0 2995 0
CTTGCCTAGCGGGCAGGGACCCTGG 0 67 0
\*  \*\* \*  \*  \*  \*   \* \*  \*
MAP Score: 157.189

Motif 9
CAGGAAAGGCTGGGGTCCCAGTCCACC 0 4742 1
GTGAGTGGGCGCCTCCCCGTGGGCCTC 0 535 1
CAGGCGGTGCTCTCCGGCCGGGCCAAC 0 1024 0
GGGGGCCGGCAGCTGCTGCCGGTCCTC 0 2314 0
CCGAGGCTGCTGGAGGAAGTGGCCGAG 0 1195 1
CGGTGCACGCAGCGGCGGGAGCCCAGG 0 2916 0
CAGGCCCAGCGGCCGGGAGAGCTGCTG 0 628 1
GCCACGCGGCGCAGGGCTCTGCGCACC 0 747 0
CTGGGGGGGCCCGGGGCCCCGAGCGGG 0 190 0
CCCTCTTTGCTCTGGCCACGGAGGACC 0 305 1
GAGCAGCCCCAGCCCGTCGTGGCCACC 0 886 0
GACTTTCAGCGGGAGATTCAGATCCTC 0 2698 1
GGGGCTCTGGCCTGGCTCGCGGACCAC 0 3043 0
CGGAAGGTGCTCCTGGCTCGGGAGGGG 0 2050 1
CTCGTGCTGCTCCACGGCGTGTGCATG 0 1849 1
CCGAGTTCCCAGGGCTGCCCGAGGCTC 0 1088 1
CCGGGCCGCCAGAGCCTGCGGCTGGTC 0 2776 1
CACTGCCACCCCATCTACGTGCAGCCC 0 1480 0
GTCTCACACCCCCGGCTTCCGCTCCAC 0 3393 0
CACCGCGCGCGCCTCGATGCCAGCCGC 0 2848 1
CGCCATGAGGTGGTGGATGGGGAGGCC 0 1717 1
CTGTAATCCCAGCACTTTGGGAGGCCG 0 4549 0
CAGCCTCTGGCCCTCCTCCAGCAGTTC 0 3253 0
GTGGTCAGCCGGAAGTAGCCGTCCACG 0 1131 0
GACCTAATCCAGAGGTCTGCGGGCAGG 0 3477 0
GTCAAACAGCTGGCCTACGCCCTCAAC 0 1981 1
CTGCGCGACCTGATCCAGGGCCTGAGC 0 691 1
CTGGTTGGCCTCAGCCGACCCCACAGC 0 1417 1
GTGTTAAGCCTGGAGATGCTCACCGAC 0 2131 1
GAGGTGCTCCAGGACTGGCAGGTCAAG 0 484 0
CTGCGCCTCCCGGAGACACTCGGGGGC 0 2173 0
CTGCTGAAGGTCATGGATGCCAAGCAC 0 1759 1
CGCAGCCCCCAGGACTTTGACAGCTTC 0 1306 1
GTGTCAGTGGGGCTCTCTGAGTCCTGG 0 3684 1
GGCTGCTTGCGCGACTTCCTGCAGCGG 0 2821 1
GGGGTCGTCCTGTACGAGCTCTTCACC 0 3139 1
CAGGCAGACCGGCACTCGCTCATGGCC 0 781 1
GACAGCCTGGAGTGGCATGAGAACCTG 0 1654 1
GAGCCACTGCGCCCGGCCCTCATGTAG 0 4580 1
CTCAGCCTGGCCGTGTTGGACCTGGCC 0 586 1
GCCATGGGGCAGGCCTTTGTCCTCCAG 0 2011 0
CCCACTCTGGCCCTGGGGCTGGGGAAG 0 5292 1
CACCTGGTGCCCTGGCACCTCGTGATG 0 2474 1
GGCGGCCCCGGCTGGATCCAGCCGCTC 0 826 0
GTCTGTGTCCAGCTGTCTCCCCTGACC 0 5320 1
CTGGGCAAGGGCAACTTTGGCAGCGTG 0 2581 1
GCCCTGGTGGCCGTGAAACAGCTGCAG 0 2647 1
CAGACCGTGGCGCCGAAGCCCCACTTG 0 2220 0
GACCTGTGCGTGCAGGCTGCCAAGGCC 0 253 1
CCCTCGGCCGAGTTCCTGCGGATGATG 0 3187 1
GCGAGCTTGATGAGCCAAGTGTCGTAC 0 1816 1
CTCTCCACGAGGATGTTTCGGGCGGCC 0 2949 0
CAGGAGTTCAAGACCAGCCTGGGCAAC 0 4169 0
GCGCCACTGTACTCCAGCCTGGGCGAC 0 4335 0
GTGGGGCTGCGCCGGATGAGGCAGCCC 0 1377 0
GGCCCCTAGCCCACAGGACCGGCCATC 0 3333 1
GAGAAGATGTGGCTCGGGGGGAACCAG 0 339 0
CCCGAGTAGCTGGGATTACAGGTGTGC 0 3937 1
CCCAAGTAGCTGGGACTACAGGCGCCC 0 4421 1
GTGCCAGCCAGCTGGAAGCTGCAGGTG 0 1954 1
CTGATCGTGGTCCAGAGAGGTCACAGC 0 1552 1
GAGTTCGAGATCAGCCTGGCCATCATG 0 4015 0
GGGGTGTTCCTGAAGTAGAGGACCCTC 0 3568 0
CAGGGTTCCTTGGGGGCTGGGCTGAGG 0 5348 1
GGGACTTTCCTCTCGCTGCCTCCCGGC 0 20 1
GCCTATGAGCCGGTCCAGAGGCCCTCC 0 2380 1
GACATTAGCATCAAGCAGGCCCCGCGC 0 997 1
CGGGGTTTCACCTTGTTAGCCAGGATG 0 4488 1
GCCCGGAGCTGCCCCTCTCTGGGCCTC 0 3530 1
GGGCTGGAGAAGTGCCACCGCTTCGGG 0 430 1
GAGGAGGAGCAGCAGAAGCTTAACCTG 0 5131 0
CGGAGGCTGGTGCCCTGCATGTGCTGC 0 161 1
GTGAACCTCAGCAGGGCAGGCAGGAGG 0 3286 0
CAGCCTTCCCTCATATACCCCCACTAC 0 5238 1
GTGACAGTGGGCAAGTTCCTTTCCCTC 0 5011 1
GCCTGGACCCAGGGAGAACAGGAGGTC 0 937 1
GAGGCACACGTCAAGATCGCTGACTTC 0 2977 1
GAGGATGCCAGCACCCAAGTCCTGCTG 0 370 1
CAGGGTCCCTGCCCGCTAGGCAAGTTG 0 68 1
CCCAGGGTGGAGTGCAGTGGTGCGATC 0 3855 1
CTGGCCCTGCTGATTCAACAGTGCATG 0 2353 1
CCCGAATCCCTCTCGGACAACATCTTC 0 3085 1
GTCAAGCGGCAGCAGCTTAGCTAGGCC 0 3004 0
GAGAGAATGGTGTGAACCCAGGAGGCG 0 4384 0
GAGATGTACTTGAGGTGTCTCTCCTCG 0 2550 0
GGGGCTCACGTCCTGGCTCCTATGTTC 0 1274 1
GCGGCAGAGGGCGGGGACATCCCGCTC 0 3220 0
GGCAAAGTCCAGAGTGATGGGGCCGTG 0 1228 0
CACCCAGAGGGCAAACACCACTCCCTG 0 3436 1
GGGAGGCTGAGGTGGGAGGATCACTTG 0 4049 0
CTGAGTCAGATGACATTTCACAAGATC 0 1621 1
GGGTCACTCAGCTTGATGAAGGGCGGG 0 2088 0
\* \*     \*\* \*  \*   \* \*  \*  \*
MAP Score: 156.97

Motif 10
CTGCAAGGAGGTGGCACCGCCGAGG 0 1176 1
CTGGCAGGCGGCCACGCGGCGCAGG 0 759 0
CAGGTCGCGGTGCACGCAGCGGCGG 0 2925 0
CAGCCGGAAGTAGCCGTCCACGAGC 0 1128 0
CCGCGCGTTGGCCCGGCCGGAGAGC 0 1018 1
CAGCTTCCAGCTGGCTGGCACCAGG 0 1950 0
CTGGAGGAGGGCCAGAGGCTGCCGG 0 3259 1
CAGCCGCAGGCTCTGGCGGCCCGGG 0 2775 0
CAGGATGCCGCTGGCCTTGGCAGCC 0 267 0
CTGCAGGAAGTCGCGCAAGCAGCCG 0 2820 0
CTGCTGCCCGCTCGGGGCCCCGGGC 0 184 1
CTGGAGGAAGTGGCCGAGCAGTGCC 0 1204 1
CAGCTCCACGCTGCCAAAGTTGCCC 0 2589 0
CTCCCCGTGGGCCTCAGTCTCAAGG 0 547 1
CGGCATCTCGTGCTGCTCCACGGCG 0 1843 1
CAGGCCCTGGATCAGGTCGCGCAGG 0 690 0
CAGCATGTCCAGCTGGGGGCCCAGG 0 3369 0
GAGCGGGATGTCCCCGCCCTCTGCC 0 3220 1
CGGCTGGATCCAGCCGGGGCCGCCG 0 829 1
GAGGAGGAAGCTGTCAAAGTCCTGG 0 1314 0
GGGCGGGCAGAGCCGGGAGGCAGCG 0 33 0
CGCCATGAGGTGGTGGATGGGGAGG 0 1717 1
CACCATGATGGCCAGGCTGATCTCG 0 4012 1
CACCGACAGGATCCCCTGGGTGGCC 0 2151 1
GAGGTGCCAGGGCACCAGGTGTGGG 0 2470 0
CACGCACAGGTCCTCAGCCAAGTGG 0 240 0
CGCGTGGCTGGTGACGGCGGCATCG 0 913 1
CTCCCGGCCGCTGGGCCTGCTCTCG 0 622 0
CAGGGAGAACAGGAGGTCCTCCAGC 0 946 1
GCCCTTGGTGGCCACGACGGGCTGG 0 880 1
CACGGAGAAGATGTGGCTCGGGGGG 0 345 0
GCGCGCCTCGATGCCAGCCGCCTCC 0 2854 1
CGCCATCCGGGCCAGGTCCAACACG 0 597 0
GAGGGCCGGGCGCAGTGGCTCATGC 0 4576 0
CACGTAGATGGGGTGGCAGTGACCC 0 1486 1
GACCACGTAGTAGTCTTTGTCAAGC 0 3024 0
GGCCTTGTAGCTGACAGTCTTCAGC 0 651 0
CTTGGTGAAGGACCCATGGCCCAGG 0 1677 0
CTTCTGGTTGGCCTCAGCCGACCCC 0 1414 1
GTGGGGCTTCGGCGCCACGGTCTGG 0 2223 1
GCCCTGGTGGCCGTGAAACAGCTGC 0 2647 1
CATCCGCAGGAACTCGGCCGAGGGG 0 3186 0
CCTGAAGTAGAGGACCCTCATAAGG 0 3562 0
GTCCTGGAGCACCTCTTTGCCCAGC 0 496 1
GAGGAGGAGCAGCAGAAGCTTAACC 0 5133 0
GGCCCCCAAGTGGACAGAGCTGGCC 0 2334 1
CAGGTGGGAAAACTGAAGCCCTAGG 0 4787 0
CATGAAGCTGTGCTGGGCCCCTAGC 0 3318 1
GGGCTGCCTCATCCGGCGCAGCCCC 0 1377 1
CCTCAAGTACATCTCACAGCTGGGC 0 2562 1
CCTCCAGCCCCACTCTGGCCCTGGG 0 5284 1
CAGGTGGTCAAACAGCTGGCCTACG 0 1975 1
CTCGCTCTCCACGAGGATGTTTCGG 0 2955 0
CTTCATCAAGCTGAGTGACCCTGGG 0 2094 1
CAGGCTGGAGTACAGTGGCGCAATC 0 4341 1
GGTCCAGAGGCCCTCCTTCCGAGCC 0 2391 1
CTTCAGCAGCACCTCTGTCTTTCGG 0 1743 0
CAGGAAGGAGCCGAGTGGGACTTTC 0 4 1
CAGGATCCCAAAGAGATACACGGGC 0 4709 0
CAGGAGGCGGAGCTTGCAGTGAGCC 0 4368 0
GAGCTTGTTGATGGCAAAGTCCAGA 0 1242 0
CACCTTGTTAGCCAGGATGGTTTCC 0 4496 1
GACCTTCCACGTGGGCCTCCCTGGG 0 855 1
CTCCCGCTGAAAGTCCCTCTGCTGG 0 2688 0
CTGGCTCGGGAGGGGGCTGATGGGA 0 2062 1
CTCCTCGAAGATCGTGGGGTCTTGG 0 2532 0
CTGGGACTACAGCACCTAGTTTTGA 0 4233 1
CCGGAGCTGCCCCTCTCTGGGCCTC 0 3532 1
GGTGGACTGGGACCCCAGCCTTTCC 0 4744 0
CATGCAGTTCTTGTGCTTGGCATCC 0 1773 0
GAGCCTCGGGCAGCCCTGGGAACTC 0 1090 0
CGTGATCTGCCCGTCTCGGCCTCCC 0 4533 1
GCTCGTGAACCTCAGCAGGGCAGGC 0 3292 0
CCTCAAGTGATCCTCCCACCTCAGC 0 4046 1
CAGGTACTCCATGCCCTTGCAGATC 0 2895 0
CTCGTACAGGACGACCCCGAAGCTC 0 3132 0
CTTCCGGGCAGAGACATTGCCATGG 0 2031 0
GTGCCCCTTGTAGGGTGAGGACAGA 0 4827 0
CTGGGACTACAGGCGCCCGCCACCA 0 4430 1
CCTCAGCCCAGCCCCCAAGGAACCC 0 5350 0
GCCCAGGCTGGTCTTGAACTCCTGG 0 4172 1
GGCCACGGAGGACCTGTCCTGCTGG 0 318 1
GTCCATGATGTACTTGGCCATGAGC 0 798 0
CCCCCACTACTACTGTAGCCCTGTC 0 5255 1
CTCCTGCCTCAGCCTCCCGAGTAGC 0 3922 1
GACGCCCCTGATCCCTCAGCGTTCA 0 120 1
GCTCCTGGCAACCTGCTGGGATGGG 0 1455 1
CAAGGACAAGAGCAGTTGCTGTGGC 0 4662 1
CAGCACCCAAGTCCTGCTGTACAGG 0 378 1
CAGAGCCTCGCTCTGTTACCCAGGG 0 3837 1
GGCCTGCTTGATGCTAATGTCTACG 0 993 0
CCTCTCGGACAACATCTTCTCTCGC 0 3093 1
GAGACAGCTGGACACAGACACTTCC 0 5314 0
CAGAGAGCCCCACTGACACATATGC 0 3678 0
CATGCAGGGCACCAGCCTCCGTGGA 0 157 0
\* \*\*  \*  \*  \* \*   \*    \*\*
MAP Score: 154.262

Motif 11
GAGGAGGAGCAGCAGAAGCTTAACCTG 0 5131 0
CAGCCGGGGCCGCCGAGACCTTCCACG 0 839 1
CAGCACGAGATGCCGGTACGACACTTG 0 1831 0
GGGCTAGGGGCCCAGCACAGCTTCATG 0 3318 0
GGGCTGGAGGACCTCCTGTTCTCCCTG 0 946 0
CTCCGGGAGGCGCAGACACTTAGCTTG 0 2185 1
CAGCGGCGGGAGCCCAGGTACTCCATG 0 2907 0
GACCGGCAGCAGCTGCCGGCCCCCAAG 0 2317 1
GGGCCCGGGGCCCCGAGCGGGCAGCAG 0 184 0
CCGGGAGAGCTGCTGAAGACTGTCAGC 0 640 1
CGCGCGGTGCCGCTGCAGGAAGTCGCG 0 2830 0
CACGCGGAGCAGCCCCAGCCCGTCGTG 0 892 0
GGCGTAGGCCAGCTGTTTGACCACCTG 0 1975 0
GCCCACGGGGAGGCGCCCACTCACCAG 0 532 0
GTGCTGCTGAAGGTCATGGATGCCAAG 0 1756 1
GTGCCGGTCTGCCTGGCAGGCGGCCAC 0 769 0
GCCGAGGGGCTGCAGCTTTTGTCGCAG 0 3168 0
GGCCGCCAGAGCCTGCGGCTGGTCATG 0 2779 1
GGGCTGGAGAAGTGCCACCGCTTCGGG 0 430 1
GGCCTGCTCTCGCGCCATCCGGGCCAG 0 607 0
CCCGCTGTGCTGCAGCTGTTTCACGGC 0 2656 0
GACCAGGCGGTGCTCTCCGGCCGGGCC 0 1027 0
GAGCTGGCCCTGCTGATTCAACAGTGC 0 2350 1
GAGCCACTGCGCCCGGCCCTCATGTAG 0 4580 1
GAGGGTCACTGCCACCCCATCTACGTG 0 1486 0
CTGGAGGAGGGCCAGAGGCTGCCGGCG 0 3259 1
CGGCTTCCGCTCCACAGCATGTCCAGC 0 3381 0
CAGACCGTGGCGCCGAAGCCCCACTTG 0 2220 0
GCCCGTCTCGGCCTCCCAAAGTGCTGG 0 4541 1
GAGGAAGTGGCCGAGCAGTGCCACGGC 0 1207 1
GCGCTCGTGGACGGCTACTTCCGGCTG 0 1126 1
GTGGTGGCGGGCGCCTGTAGTCCCAGC 0 4429 0
CAGGCTGCCAAGGCCAGCGGCATCCTG 0 265 1
GGGAGGCTGAGGCAGGAGAATCGCTTG 0 3913 0
CTGCCTGCCCTGCTGAGGTTCACGAGC 0 3290 1
GTCCTGGAGCACCTCTTTGCCCAGCAC 0 496 1
GGGCGGGCAGAGCCGGGAGGCAGCGAG 0 31 0
GAGCCCGTGTATCTCTTTGGGATCCTG 0 4707 1
CAGCTGGGCAAGGGCAACTTTGGCAGC 0 2578 1
GTTCCTGTGGGGCTGCGCCGGATGAGG 0 1383 0
GCTGATGGGAGCCCGCCCTTCATCAAG 0 2077 1
GCCCATCACGAGGTGCCAGGGCACCAG 0 2477 0
CTCGTGGAGAGCGAGGCACACGTCAAG 0 2965 1
GGGCCCAGGGCGCTGAATGATGGCCGG 0 3351 0
CTTCGAGAGCTCCTGGCAACCTGCTGG 0 1447 1
GACCAGCAGAGGGACTTTCAGCGGGAG 0 2686 1
CGCGACCTGATCCAGGGCCTGAGCTTC 0 694 1
GTCCTAGGGCTTCAGTTTTCCCACCTG 0 4785 1
GGCCTCCCCATCCACCACCTCATGGCG 0 1717 0
GCGGCAGAGGGCGGGGACATCCCGCTC 0 3220 0
CACCGCGACCTGGCCGCCCGAAACATC 0 2938 1
GGGGTCGTCCTGTACGAGCTCTTCACC 0 3139 1
CTCGGGGGGAACCAGCAGGACAGGTCC 0 327 0
GCCATGGGGCAGGCCTTTGTCCTCCAG 0 2011 0
CAGGGTCCCTGCCCGCTAGGCAAGTTG 0 68 1
CTGATCGTGGTCCAGAGAGGTCACAGC 0 1552 1
CAGGGTGAGTGTCTCAGCCTGGCCGTG 0 574 1
CTCGCTCTGTCGCCCAGGCTGGAGTAC 0 4327 1
GGGATCCTGTCGGTGAGCATCTCCAGG 0 2139 0
GGGGCTCACGTCCTGGCTCCTATGTTC 0 1274 1
CGGAAGGTGCTCCTGGCTCGGGAGGGG 0 2050 1
GGCGCAGGGCTCTGCGCACCGTCCTCC 0 740 0
GGGGCTCTGGCCTGGCTCGCGGACCAC 0 3043 0
GGGCAGGAAAGGCTGGGGTCCCAGTCC 0 4739 1
CACGCACAGGTCCTCAGCCAAGTGGTC 0 238 0
GGGAAGCAGAGGTTGCACTGAGCCGAG 0 3881 0
GGGAGGCTGAGGTGGGAGGATCACTTG 0 4049 0
CCTCAGCCCAGCCCCCAAGGAACCCTG 0 5348 0
GCCCCCGAATCCCTCTCGGACAACATC 0 3082 1
CTGGCCCTGGGGCTGGGGAAGTGTCTG 0 5298 1
GTGTCAGTGGGGCTCTCTGAGTCCTGG 0 3684 1
GGCCCCCAGGTGTACAAATTCCTGCAC 0 1894 0
GTCAAGCGGCAGCAGCTTAGCTAGGCC 0 3004 0
GGCGTCACCATGCCCATCAGTGCCCTG 0 2260 1
GAGACAGAGCCTCGCTCTGTTACCCAG 0 3833 1
GAGACGGGGTTTCACCTTGTTAGCCAG 0 4484 1
GGCCTTATGAGGGTCCTCTACTTCAGG 0 3560 1
CACCAAACCTGGCAGGAACTTTTCACG 0 4862 1
GGCGGTGCCACCTCCTTGCAGAAGAAG 0 1170 0
GGGCTTAAGGGGTTGGGAAGATGCGAG 0 3742 0
GTGAGGAGGAAGCTGTCAAAGTCCTGG 0 1314 0
GACAGCCTGGAGTGGCATGAGAACCTG 0 1654 1
CTCGGGCAGCCCTGGGAACTCGGCCTC 0 1084 0
\* \*\*  \* \*  \*\* \*        \*  \*
MAP Score: 153.307

Motif 12
CGCGCGCGCCTCGATGCCAGCCGCCTC 0 2851 1
CAGGGAGAACAGGAGGTCCTCCAGCCC 0 946 1
GCGGCAGAGGGCGGGGACATCCCGCTC 0 3220 0
CACGCAGCGGCGGGAGCCCAGGTACTC 0 2911 0
GATGCCGCTGGCCTTGGCAGCCTGCAC 0 262 0
CCCCATCTACGTGCAGCCCCCCATCCC 0 1472 0
GAGGGGCAGCTCCGGGCCTAAGGTCAC 0 3520 0
CAGCCGGAAGTAGCCGTCCACGAGCGC 0 1126 0
CATCAACAAGCTCAAGACTGGGGGCTC 0 1254 1
CTGCTGCCCGCTCGGGGCCCCGGGCCC 0 184 1
CCGCGCGTTGGCCCGGCCGGAGAGCAC 0 1018 1
CGGGAGGGGGCTGATGGGAGCCCGCCC 0 2068 1
CACGTGGAAGGTCTCGGCGGCCCCGGC 0 841 0
CGCGGAGCAGCCCCAGCCCGTCGTGGC 0 890 0
GGCCACGCGGCGCAGGGCTCTGCGCAC 0 748 0
CGAGCTCATGAAGCTGTGCTGGGCCCC 0 3312 1
GCAGTTCTTGTGCTTGGCATCCATGAC 0 1768 0
CTCGAAGATCGTGGGGTCTTGGCAGGC 0 2527 0
CGCCATCCGGGCCAGGTCCAACACGGC 0 595 0
GCCGGCCCCCAAGTGGACAGAGCTGGC 0 2331 1
GCAGGCCTTGTAGCTGACAGTCTTCAG 0 652 0
GACCGTGGCGCCGAAGCCCCACTTGTC 0 2218 0
GGGCTGCCTCATCCGGCGCAGCCCCAC 0 1377 1
GAACCAGCAGGACAGGTCCTCCGTGGC 0 319 0
CCTGATCCAGGGCCTGAGCTTCGTGAC 0 699 1
CTGCAGCTTCCAGCTGGCTGGCACCAG 0 1951 0
GCTCTCCCGGCCGCTGGGCCTGCTCTC 0 623 0
GCGCAAGCAGCCGCTGGGCAGGTACTC 0 2806 0
CGCCGGCAGCCTCTGGCCCTCCTCCAG 0 3259 0
CTCGGGGGCCACCCAGGGGATCCTGTC 0 2155 0
GCACAGCTCCACGCTGCCAAAGTTGCC 0 2590 0
GCTCTGGCGGCCCGGGCCATAGCTGAC 0 2764 0
CCCGAAGCTCCAGACGTCTGACTGGCG 0 3115 0
CAGCATGTCCAGCTGGGGGCCCAGGGC 0 3367 0
GGTGCCCTGGTGGCCGTGAAACAGCTG 0 2644 1
CTTGACCTGCCAGTCCTGGAGCACCTC 0 484 1
CTCCTTGCAGAAGAAGTGCTGGGAGTC 0 1159 0
GATGATGTGGGTGGGCTGTGACCTCTC 0 1566 0
GCAGTAGGTGAAGAGCTCGTACAGGAC 0 3145 0
GAGGGTCCTCTACTTCAGGAACACCCC 0 3568 1
GATGTACTTGGCCATGAGCGAGTGCCG 0 790 0
CTACGTGGTCCGCGAGCCAGGCCAGAG 0 3039 1
GGTGAAGGACCCATGGCCCAGGTTCTC 0 1672 0
GATGGGGCCGTGGCACTGCTCGGCCAC 0 1213 0
GAGGGCGTAGGCCAGCTGTTTGACCAC 0 1978 0
CATGCACACGCCGTGGAGCAGCACGAG 0 1849 0
ACTGCTCACCCAGAGGGCAAACACCAC 0 3430 1
GTGCCAGGGCACCAGGTGTGGGGTCTG 0 2465 0
CTCGGCCGAGTTCCTGCGGATGATGGG 0 3189 1
CTCCACGGAGAAGATGTGGCTCGGGGG 0 346 0
GCCCACGGGGAGGCGCCCACTCACCAG 0 532 0
CCAGACCAGCAGAGGGACTTTCAGCGG 0 2683 1
CACGAACGACAGAGCCTCGGGCAGCCC 0 1099 0
CTGGACCGGCTCATAGGCCATGCACTG 0 2371 0
CCTCGTGGAGAGCGAGGCACACGTCAA 0 2964 1
GCAGGAAAGGCTGGGGTCCCAGTCCAC 0 4741 1
CAGCGAGAGGAAAGTCCCACTCGGCTC 0 11 0
CTGCCCCATGGCAATGTCTCTGCCCGG 0 2026 1
ACTGCTCTTGTCCTTGGCTTCCTCCAG 0 4651 0
GTTCAAGACCAGCCTGGGCAACGTAGC 0 4164 0
AGTGAGGAGGAAGCTGTCAAAGTCCTG 0 1315 0
CTCCCGGCTCTGCCCGCCCTTCGAAAG 0 39 1
CATGAGGTGGTGGATGGGGAGGCCCGA 0 1720 1
CAGGCTATTCTACAGGCCACGGGAGCC 0 3615 0
CAGGTTCAAGCGATTCTCCTGCCTCAG 0 3907 1
CCAGAGCCCCCTCTGTACTGAGGCCTC 0 5371 0
GCGGAAGCCGGGGGTGTGAGACTCATG 0 3398 1
CTTCTGGTTGGCCTCAGCCGACCCCAC 0 1414 1
CAGCTACCACATCCTTGCAGCCTTCCC 0 5221 1
GATGGCCAGGCTGATCTCGAACTCCTA 0 4018 1
GCAGAGGTTGCACTGAGCCGAGATCGC 0 3876 0
AGGCATGAGCCACTGCGCCCGGCCCTC 0 4574 1
GGTGAGGAGGAGCAGCAGAAGCTTAAC 0 5134 0
GATGGGCATGGTGACGCCACTAAACAC 0 2251 0
GGTGTGGTGGCGGGCGCCTGTAGTCCC 0 4432 0
CGGGCTCCCCTAAAAGGCAGAGTCCCA 0 4687 0
CCCCAGGGCCAGAGTGGGGCTGGAGGG 0 5283 0
GGGGCTGCGGCGGAGAACATAGGAGCC 0 1288 0
\*  \*  \*  \*  \*  \* \*   \*  \* \*
MAP Score: 152.635

Motif 13
CCCACTCGGCTCCTTCCTGTG 0 2 0
CGGGAGGCAGCGAGAGGAAAG 0 24 0
CTGAGGGATCAGGGGCGTCTC 0 118 0
CAGCCTCTTGTCCACGGAGGC 0 147 1
GGGCAGCAGCACATGCAGGGC 0 172 0
GGGGGGCCCGGGGCCCCGAGC 0 193 0
CTGCACGCACAGGTCCTCAGC 0 247 0
CAAGGCCAGCGGCATCCTGCC 0 273 1
CCAGCAGGACAGGTCCTCCGT 0 322 0
CCCGAAGCGGTGGCACTTCTC 0 436 0
GACCTGCCAGTCCTGGAGCAC 0 487 1
GCCCAGCACCGCAGTGACCTG 0 514 1
GGGCGCCTCCCCGTGGGCCTC 0 541 1
GTCCAACACGGCCAGGCTGAG 0 586 0
CCGGATGGCGCGAGAGCAGGC 0 612 1
CGGCCGGGAGAGCTGCTGAAG 0 637 1
CAGCTACAAGGCCTGCCTACC 0 663 1
CCCAAGCCTGCGCGACCTGAT 0 684 1
CCAGGGCCTGAGCTTCGTGAC 0 705 1
GACGGTGCGCAGAGCCCTGCG 0 744 1
CCGCGTGGCCGCCTGCCAGGC 0 765 1
CTCGCTCATGGCCAAGTACAT 0 795 1
CTGGATCCAGCCGCTCCAGGT 0 821 0
GTGGAAGGTCTCGGCGGCCCC 0 844 0
CACCAAGGGCCCCAGGGAGGC 0 869 0
GAGCAGCCCCAGCCCGTCGTG 0 892 0
GTGGCTGGTGACGGCGGCATC 0 916 1
CAGGGAGAACAGGAGGTCCTC 0 946 1
GGCCAACGCGCGGGGCCTGCT 0 1010 0
GCCGGAGAGCACCGCCTGGTC 0 1033 1
GGCCGAGTTCCCAGGGCTGCC 0 1086 1
CACGAGCGCCACGAACGACAG 0 1114 0
CGGCTACTTCCGGCTGACCAC 0 1137 1
GCAGAAGAAGTGCTGGGAGTC 0 1159 0
CCGAGGCTGCTGGAGGAAGTG 0 1195 1
GAGCAGTGCCACGGCCCCATC 0 1219 1
CTTGTTGATGGCAAAGTCCAG 0 1243 0
CCAGGACGTGAGCCCCCAGTC 0 1269 0
CTGGGGGCTGCGGCGGAGAAC 0 1297 0
GCGCCGGATGAGGCAGCCCTT 0 1375 0
CTGGTTGGCCTCAGCCGACCC 0 1417 1
CAACCTGCTGGGATGGGGGGC 0 1463 1
CACGTAGATGGGGTGGCAGTG 0 1486 1
CTGGGGATACAGCAGGAAGTG 0 1512 0
GACCACGATCAGGTTGGACTT 0 1543 0
CAGAGAGGTCACAGCCCACCC 0 1564 1
GCCCAGGTTCTCATGCCACTC 0 1663 0
CGCCATGAGGTGGTGGATGGG 0 1717 1
GAGGTGCTGCTGAAGGTCATG 0 1753 1
CACGAGATGCCGGTACGACAC 0 1834 0
CATGCACACGCCGTGGAGCAG 0 1855 0
CGTGGCCACCTGGTGCCAGCC 0 1942 1
CTGCAGGTGGTCAAACAGCTG 0 1972 1
CAGATAGTTGAGGGCGTAGGC 0 1993 0
GACAAAGGCCTGCCCCATGGC 0 2017 1
GAGCACCTTCCGGGCAGAGAC 0 2041 0
CTGGCTCGGGAGGGGGCTGAT 0 2062 1
CTTGATGAAGGGCGGGCTCCC 0 2083 0
CCTGTCGGTGAGCATCTCCAG 0 2140 0
CTCGGGGGCCACCCAGGGGAT 0 2161 0
CGGGAGGCGCAGACACTTAGC 0 2188 1
GGCGCCGAAGCCCCACTTGTC 0 2218 0
GGCACTGATGGGCATGGTGAC 0 2263 0
CGGCAGCTGCTGCCGGTCCTC 0 2314 0
CCCCAAGTGGACAGAGCTGGC 0 2337 1
GGAGGGCCTCTGGACCGGCTC 0 2386 0
GGGCACCAGGTGTGGGGTCTG 0 2465 0
CAAGTACATCTCACAGCTGGG 0 2565 1
CTCCACGCTGCCAAAGTTGCC 0 2590 0
CTGGTGGCCGTGAAACAGCTG 0 2650 1
CAGCACAGCGGGCCAGACCAG 0 2671 1
GCGGCCCGGGCCATAGCTGAC 0 2764 0
CAGAGCCTGCGGCTGGTCATG 0 2785 1
CCTGCCCAGCGGCTGCTTGCG 0 2811 1
GCGGTGCCGCTGCAGGAAGTC 0 2833 0
GAGGCGGCTGGCATCGAGGCG 0 2857 0
CTCGCAGATCTGCAAGGGCAT 0 2889 1
GGAGTACCTGGGCTCCCGCCG 0 2910 1
CTGCGTGCACCGCGACCTGGC 0 2931 1
CTCGCTCTCCACGAGGATGTT 0 2959 0
GTCAAGCGGCAGCAGCTTAGC 0 3010 0
CTCGCGGACCACGTAGTAGTC 0 3034 0
CTGGAGCTTCGGGGTCGTCCT 0 3129 1
CTTCACCTACTGCGACAAAAG 0 3159 1
CTGCAGCCCCTCGGCCGAGTT 0 3180 1
CGGGGACATCCCGCTCACATC 0 3215 0
CTGCTGGAGGAGGGCCAGAGG 0 3256 1
CAGGGCAGGCAGGAGGCGCCG 0 3281 0
CAGCTTCATGAGCTCGTGAAC 0 3307 0
CCCAGGGCGCTGAATGATGGC 0 3354 0
CCCCGGCTTCCGCTCCACAGC 0 3390 0
CACCCAGAGGGCAAACACCAC 0 3436 1
GGGGCAGCTCCGGGCCTAAGG 0 3524 0
CCTCTACTTCAGGAACACCCC 0 3574 1
CCACGGGAGCCCCCCCAAATG 0 3605 0
GGGCCAGGACTCAGAGAGCCC 0 3693 0
CTCGGCTCAGTGCAACCTCTG 0 3881 1
CAGGTTCAAGCGATTCTCCTG 0 3907 1
CCGGGTGTGGTGGTGCACACC 0 3957 0
CACCATGATGGCCAGGCTGAT 0 4012 1
CTGGGTGCAGTGGCTCATGCC 0 4093 0
GACCAGCCTGGGCAACGTAGC 0 4164 0
CTGGGACTACAGCACCTAGTT 0 4233 1
GCCACTGTACTCCAGCCTGGG 0 4339 0
GAGCTTGCAGTGAGCCTAGAT 0 4363 0
CTGAGGCGAGAGAATGGTGTG 0 4397 0
CTGGGACTACAGGCGCCCGCC 0 4430 1
CGGGCAGATCACGAGGTCAGG 0 4525 0
CCGGGCGCAGTGGCTCATGCC 0 4575 0
GCTGTGGCTGGGACTCTGCCT 0 4679 1
CAGAGGGAACAGCATGCCAAG 0 4917 1
CAGAAAGTTGACCCTGCACAG 0 5088 0
GTTAAGCTTCTGCTGCTCCTC 0 5134 1
GGGGCTGGAGGGAAGGACAGG 0 5274 0
CTTCCCCAGCCCCAGGGCCAG 0 5298 0
CAGCCCAGCCCCCAAGGAACC 0 5351 0
\* \*\*  \*  \* \*\*  \*  \* \*
MAP Score: 101.044

Motif 14
CTCGCTGCCTCCCGGCTCTGCCCGCCC 0 31 1
GGGCAGCAGCACATGCAGGGCACCAGC 0 166 0
GCGCTGGGGGGGCCCGGGGCCCCGAGC 0 193 0
GGGGACCACTTGGCTGAGGACCTGTGC 0 235 1
GGCAGGATGCCGCTGGCCTTGGCAGCC 0 267 0
CAGGTCCTCCGTGGCCAGAGCAAAGAG 0 307 0
AAGATGTGGCTCGGGGGGAACCAGCAG 0 336 0
CAGGACTTGGGTGCTGGCATCCTCCAC 0 367 0
GGGCTGGAGAAGTGCCACCGCTTCGGG 0 430 1
GACTGGCAGGTCAAGGATAGCACTGGC 0 472 0
CTGGAGCACCTCTTTGCCCAGCACCGC 0 499 1
GACCTGGTGAGTGGGCGCCTCCCCGTG 0 529 1
GGCCTCAGTCTCAAGGAGCAGGGTGAG 0 556 1
GCCAGGTCCAACACGGCCAGGCTGAGA 0 585 0
CGCTGGGCCTGCTCTCGCGCCATCCGG 0 612 0
CTGCTGAAGACTGTCAGCTACAAGGCC 0 649 1
CCCTGGATCAGGTCGCGCAGGCTTGGG 0 684 0
GCGGAGGCGTATTCGGAGGACGGTGCG 0 726 1
CAGGCGGCCACGCGGCGCAGGGCTCTG 0 753 0
GGCCATGAGCGAGTGCCGGTCTGCCTG 0 781 0
CCCGGCTGGATCCAGCCGCTCCAGGTC 0 820 0
GCCGCCGAGACCTTCCACGTGGGCCTC 0 847 1
CTGGGGCCCTTGGTGGCCACGACGGGC 0 875 1
GCCGTCACCAGCCACGCGGAGCAGCCC 0 904 0
GGGCTGGAGGACCTCCTGTTCTCCCTG 0 946 0
GACATTAGCATCAAGCAGGCCCCGCGC 0 997 1
CAGGCGGTGCTCTCCGGCCGGGCCAAC 0 1024 0
GCCTCGGGCAGCCCTGGGAACTCGGCC 0 1086 0
CTGTCGTTCGTGGCGCTCGTGGACGGC 0 1114 1
CTGACCACGGACTCCCAGCACTTCTTC 0 1150 1
AAGGAGGTGGCACCGCCGAGGCTGCTG 0 1180 1
GGGGCCGTGGCACTGCTCGGCCACTTC 0 1210 0
GGCTCCTATGTTCTCCGCCGCAGCCCC 0 1288 1
GTGGGGCTGCGCCGGATGAGGCAGCCC 0 1377 0
GTGGGGTCGGCTGAGGCCAACCAGAAG 0 1414 0
CCCATCTACGTGCAGCCCCCCATCCCA 0 1471 0
GTGGTCCAGAGAGGTCACAGCCCACCC 0 1558 1
GGGATCTTGTGAAATGTCATCTGACTC 0 1623 0
GACAGCCTGGAGTGGCATGAGAACCTG 0 1654 1
GGCCTCCCCATCCACCACCTCATGGCG 0 1717 0
GAGGTGCTGCTGAAGGTCATGGATGCC 0 1753 1
CACAAGAACTGCATGGAGTCATTCCTG 0 1783 1
CGGTACGACACTTGGCTCATCAAGCTC 0 1818 0
CTCGTGCTGCTCCACGGCGTGTGCATG 0 1849 1
GGCTGGCACCAGGTGGCCACGTTTTCG 0 1936 0
CAGGTGGTCAAACAGCTGGCCTACGCC 0 1975 1
CTGGAGGACAAAGGCCTGCCCCATGGC 0 2011 1
CGGAAGGTGCTCCTGGCTCGGGAGGGG 0 2050 1
CTCAGCTTGATGAAGGGCGGGCTCCCA 0 2082 0
CCCGCTGTGTTAAGCCTGGAGATGCTC 0 2125 1
GACAGGATCCCCTGGGTGGCCCCCGAG 0 2155 1
GACAAGTGGGGCTTCGGCGCCACGGTC 0 2218 1
CGGCAGCTGCTGCCGGTCCTCATAAAA 0 2308 0
CCCAAGTGGACAGAGCTGGCCCTGCTG 0 2338 1
CAGTGCATGGCCTATGAGCCGGTCCAG 0 2371 1
CAGGGCACCAGGTGTGGGGTCTGAGAG 0 2461 0
GGCACCATTCCACAGCCCATCACGAGG 0 2491 0
CTCTCCTCGAAGATCGTGGGGTCTTGG 0 2532 0
GGCAAGGGCAACTTTGGCAGCGTGGAG 0 2584 1
GGCACCTGTATTGTCGCCTAGCGGGTC 0 2623 0
GTGCTGCAGCTGTTTCACGGCCACCAG 0 2650 0
CAGAGGGACTTTCAGCGGGAGATTCAG 0 2692 1
GTCAAGTATCGTGGTGTCAGCTATGGC 0 2749 1
CCGGGCCGCCAGAGCCTGCGGCTGGTC 0 2776 1
CGCAAGCAGCCGCTGGGCAGGTACTCC 0 2805 0
GACTTCCTGCAGCGGCACCGCGCGCGC 0 2833 1
GGCATGGAGTACCTGGGCTCCCGCCGC 0 2905 1
GTGCACCGCGACCTGGCCGCCCGAAAC 0 2935 1
GCGATCTTGACGTGTGCCTCGCTCTCC 0 2970 0
GTCAAGCGGCAGCAGCTTAGCTAGGCC 0 3004 0
GACTACTACGTGGTCCGCGAGCCAGGC 0 3034 1
GAGAAGATGTTGTCCGAGAGGGATTCG 0 3087 0
GACGTCTGGAGCTTCGGGGTCGTCCTG 0 3124 1
GCCGAGGGGCTGCAGCTTTTGTCGCAG 0 3168 0
GAGGGCGGGGACATCCCGCTCACATCC 0 3214 0
CGCCTCTTGGAACTGCTGGAGGAGGGC 0 3244 1
CAGGGCAGGCAGGAGGCGCCGGCAGCC 0 3275 0
CACGAGCTCATGAAGCTGTGCTGGGCC 0 3310 1
GCGCTGAATGATGGCCGGTCCTGTGGG 0 3342 0
CTGGGCCCCCAGCTGGACATGCTGTGG 0 3370 1
CTCCTGCCCGCAGACCTCTGGATTAGG 0 3475 1
GAGGGGCAGCTCCGGGCCTAAGGTCAC 0 3520 0
GTCATGGGGGTGTTCCTGAAGTAGAGG 0 3574 0
GGGGGCTCCCGTGGCCTGTAGAATAGC 0 3612 1
CTCAGGGGGCCAGGGCTTAAGGGGTTG 0 3754 0
GTGCAGTGGTGCGATCTCGGCTCAGTG 0 3866 1
CTCGGGAGGCTGAGGCAGGAGAATCGC 0 3916 0
GAGTTCGAGATCAGCCTGGCCATCATG 0 4015 0
GCCCAGGCTGGTCTTGAACTCCTGGGC 0 4172 1
CTGTACTCCAGCCTGGGCGACAGAGCG 0 4329 0
GCGGGCGCCTGTAGTCCCAGCTACTTG 0 4423 0
GGCCGGGCGCAGTGGCTCATGCCTGTA 0 4571 0
GGGATCCTGAAAGGGGGCAGGAAAGGC 0 4725 1
CTCACGCTTGGCATGCTGTTCCCTCTG 0 4917 0
CTCTGGGTCTCAGTTCTGTCCCCTGCA 0 5037 1
GAGCTTACCCCTTGGCTGTGCAGGGTC 0 5073 1
CAGGTTAAGCTTCTGCTGCTCCTCCTC 0 5131 1
CACTACTACTGTAGCCCTGTCCTTCCC 0 5259 1
TCCAGCCCCACTCTGGCCCTGGGGCTG 0 5286 1
GTCCAGCTGTCTCCCCTGACCTCAGGG 0 5326 1
\* \*  \*  \*     \*\* \*  \*   \* \*
MAP Score: 84.1779

Motif 15
CTCTCGCTGCCTCCCGGCTCTGCCC 0 29 1
CCATGAGTGCAACTTGCCTAGCGGG 0 79 0
GGCACCAGCCTCCGTGGACAAGAGG 0 150 0
CCCGAGCGGGCAGCAGCACATGCAG 0 175 0
GATAGGCGCTGGGGGGGCCCGGGGC 0 200 0
CTTTGGGGACCACTTGGCTGAGGAC 0 231 1
CGTGCAGGCTGCCAAGGCCAGCGGC 0 261 1
CAAAGAGGGAGTGGTACACAGGCAG 0 289 0
CCAGCAGGACAGGTCCTCCGTGGCC 0 318 0
CACGGAGAAGATGTGGCTCGGGGGG 0 345 0
GCTGGAGAAGTGCCACCGCTTCGGG 0 432 1
GCCAGTGCTATCCTTGACCTGCCAG 0 472 1
CCTGGAGCACCTCTTTGCCCAGCAC 0 498 1
GGCGCCCACTCACCAGGTCACTGCG 0 523 0
CCCCGTGGGCCTCAGTCTCAAGGAG 0 549 1
CAGGGTGAGTGTCTCAGCCTGGCCG 0 574 1
CTCTCGCGCCATCCGGGCCAGGTCC 0 603 0
GCAGCTCTCCCGGCCGCTGGGCCTG 0 628 0
GCTTGGGGGTAGGCAGGCCTTGTAG 0 666 0
GCGCGACCTGATCCAGGGCCTGAGC 0 693 1
GGAGGCGTATTCGGAGGACGGTGCG 0 728 1
GGCGGCCACGCGGCGCAGGGCTCTG 0 753 0
CCATGAGCGAGTGCCGGTCTGCCTG 0 781 0
CAAGTACATCATGGACCTGGAGCGG 0 807 1
CGTGGAAGGTCTCGGCGGCCCCGGC 0 841 0
CTCCCTGGGGCCCTTGGTGGCCACG 0 871 1
CAGCCACGCGGAGCAGCCCCAGCCC 0 898 0
CCAGGGAGAACAGGAGGTCCTCCAG 0 945 1
CGTAGACATTAGCATCAAGCAGGCC 0 993 1
CCGCGCGTTGGCCCGGCCGGAGAGC 0 1018 1
GAGGCCGAGTTCCCAGGGCTGCCCG 0 1084 1
GGCTCTGTCGTTCGTGGCGCTCGTG 0 1110 1
GTCCGTGGTCAGCCGGAAGTAGCCG 0 1137 0
CCAGCACTTCTTCTGCAAGGAGGTG 0 1164 1
CCACTTCCTCCAGCAGCCTCGGCGG 0 1192 0
CGGAGAACATAGGAGCCAGGACGTG 0 1280 0
GAAGCTGTCAAAGTCCTGGGGGCTG 0 1308 0
GGGGCTGCGCCGGATGAGGCAGCCC 0 1377 0
GGCAACCTGCTGGGATGGGGGGCTG 0 1461 1
GGGTCACTGCCACCCCATCTACGTG 0 1486 0
CAAAGAAAAGTCCAACCTGATCGTG 0 1536 1
GGCTGAACCAAGGATGATGTGGGTG 0 1580 0
CAGCCTGGAGTGGCATGAGAACCTG 0 1656 1
GCCCCGGTAAATCTTGGTGAAGGAC 0 1689 0
CCATGAGGTGGTGGATGGGGAGGCC 0 1719 1
GACAGAGGTGCTGCTGAAGGTCATG 0 1749 1
GTACGACACTTGGCTCATCAAGCTC 0 1818 0
CGGCATCTCGTGCTGCTCCACGGCG 0 1843 1
GGCTGGAGACAGCACCATGGTGCAG 0 1875 1
GCTTCCAGCTGGCTGGCACCAGGTG 0 1948 0
CAAACAGCTGGCCTACGCCCTCAAC 0 1983 1
CATGGGGCAGGCCTTTGTCCTCCAG 0 2011 0
CAATGTCTCTGCCCGGAAGGTGCTC 0 2037 1
GTCACTCAGCTTGATGAAGGGCGGG 0 2088 0
CAGCCCCGCTGTGTTAAGCCTGGAG 0 2121 1
CACCCAGGGGATCCTGTCGGTGAGC 0 2148 0
GCGCCTCCCGGAGACACTCGGGGGC 0 2173 0
GACCGTGGCGCCGAAGCCCCACTTG 0 2220 0
CGTCACCATGCCCATCAGTGCCCTG 0 2262 1
GGGCCGGCAGCTGCTGCCGGTCCTC 0 2314 0
CAAGTGGACAGAGCTGGCCCTGCTG 0 2340 1
CATGGCCTATGAGCCGGTCCAGAGG 0 2376 1
GACCCCACACCTGGTGCCCTGGCAC 0 2467 1
GTGTCTCTCCTCGAAGATCGTGGGG 0 2538 0
GTACATCTCACAGCTGGGCAAGGGC 0 2568 1
CTTTGGCAGCGTGGAGCTGTGCCGC 0 2595 1
GCAGCTGTTTCACGGCCACCAGGGC 0 2647 0
CAGCGGGCCAGACCAGCAGAGGGAC 0 2676 1
CTTTGAGGATCTGAATCTCCCGCTG 0 2704 0
GCCGCAGGCTCTGGCGGCCCGGGCC 0 2773 0
GGTCATGGAGTACCTGCCCAGCGGC 0 2799 1
CTTGCGCGACTTCCTGCAGCGGCAC 0 2826 1
GGAGGCGGCTGGCATCGAGGCGCGC 0 2854 0
CTATTCCTCGCAGATCTGCAAGGGC 0 2883 1
CACGCAGCGGCGGGAGCCCAGGTAC 0 2913 0
GGCCGCCCGAAACATCCTCGTGGAG 0 2949 1
GCTTGACAAAGACTACTACGTGGTC 0 3024 1
GCGAGAGAAGATGTTGTCCGAGAGG 0 3093 0
GTCAGACGTCTGGAGCTTCGGGGTC 0 3120 1
GCTGCAGCTTTTGTCGCAGTAGGTG 0 3162 0
CTCGGCCGAGTTCCTGCGGATGATG 0 3189 1
GGCAGAGGGCGGGGACATCCCGCTC 0 3220 0
CCTCTTGGAACTGCTGGAGGAGGGC 0 3246 1
CCGGCGCCTCCTGCCTGCCCTGCTG 0 3280 1
CGAGCTCATGAAGCTGTGCTGGGCC 0 3312 1
CCGGCCATCATTCAGCGCCCTGGGC 0 3351 1
CATGCTGTGGAGCGGAAGCCGGGGG 0 3387 1
GCCCGGAGCTGCCCCTCTCTGGGCC 0 3530 1
CAGAGGCCTTATGAGGGTCCTCTAC 0 3556 1
CCCCCCCAAATGCAATGTCATGGGG 0 3592 0
CCAGGACTCAGAGAGCCCCACTGAC 0 3686 0
CAACCCCTTAAGCCCTGGCCCCCTG 0 3754 1
CACCCTGGGTAACAGAGCGAGGCTC 0 3839 0
GCTACTCGGGAGGCTGAGGCAGGAG 0 3922 0
CGAGATCAGCCTGGCCATCATGGTG 0 4012 0
CCAACACTTTGGGAGGCTGAGGTGG 0 4061 0
CCAGGAGTTCAAGACCAGCCTGGGC 0 4172 0
GACGGAGTCTCGCTCTGTCGCCCAG 0 4319 1
GGCTCACTGCAAGCTCCGCCTCCTG 0 4368 1
CCTCCCAAGTAGCTGGGACTACAGG 0 4418 1
GGGAGGCCGAGACGGGCAGATCACG 0 4533 0
GCCACTGCGCCCGGCCCTCATGTAG 0 4582 1
CAGAGAAACAGAGATCGGGGAGCAG 0 4629 0
GCTCCCCTAAAAGGCAGAGTCCCAG 0 4686 0
CTTTGGGATCCTGAAAGGGGGCAGG 0 4721 1
GGAACAGCATGCCAAGCGTGAGAAG 0 4922 1
GACAGTGGGCAAGTTCCTTTCCCTC 0 5013 1
GCTTACCCCTTGGCTGTGCAGGGTC 0 5075 1
CATGCAGGTTAAGCTTCTGCTGCTC 0 5127 1
GACAGGGCTACAGTAGTAGTGGGGG 0 5255 0
CCCAGGGCCAGAGTGGGGCTGGAGG 0 5284 0
CTGTGTCCAGCTGTCTCCCCTGACC 0 5322 1
\*   \* \*     \*  \*\* \*  \*\* \*
MAP Score: 51.0984

Motif 16
GAAGGAGCCGAGTGGGACTTTCCTC 0 7 1
GGGCGGGCAGAGCCGGGAGGCAGCG 0 33 0
GTTGCACTCATGGCACCTCCAAGTG 0 91 1
CGTGGACAAGAGGCTGCATGAACGC 0 138 0
GCAGCACATGCAGGGCACCAGCCTC 0 163 0
GGGGGGCCCGGGGCCCCGAGCGGGC 0 189 0
CCTTGGCAGCCTGCACGCACAGGTC 0 253 0
GGTCCTCCGTGGCCAGAGCAAAGAG 0 307 0
GTGGCTCGGGGGGAACCAGCAGGAC 0 333 0
GTTTGGGCTGGAGAAGTGCCACCGC 0 426 1
CAAAGAGGTGCTCCAGGACTGGCAG 0 490 0
GCACCGCAGTGACCTGGTGAGTGGG 0 519 1
CCTCCCCGTGGGCCTCAGTCTCAAG 0 546 1
CACGGCCAGGCTGAGACACTCACCC 0 576 0
CTCTCGCGCCATCCGGGCCAGGTCC 0 603 0
CAGGCCCAGCGGCCGGGAGAGCTGC 0 628 1
GCAGGCCTTGTAGCTGACAGTCTTC 0 654 0
GGATCAGGTCGCGCAGGCTTGGGGG 0 682 0
GGGCCTGAGCTTCGTGACGCGGAGG 0 708 1
GCAGGGCTCTGCGCACCGTCCTCCG 0 739 0
CGTGGCCGCCTGCCAGGCAGACCGG 0 768 1
CATGATGTACTTGGCCATGAGCGAG 0 795 0
CTGGAGCGGCTGGATCCAGCCGGGG 0 823 1
GAGGCCCACGTGGAAGGTCTCGGCG 0 849 0
CCTGGGGCCCTTGGTGGCCACGACG 0 874 1
CTGGGGCTGCTCCGCGTGGCTGGTG 0 901 1
CATCGCCTGGACCCAGGGAGAACAG 0 933 1
CATCAAGCAGGCCCCGCGCGTTGGC 0 1005 1
CAGTGACCAGGCGGTGCTCTCCGGC 0 1033 0
GAGCCTCGGGCAGCCCTGGGAACTC 0 1090 0
GTGGCGCTCGTGGACGGCTACTTCC 0 1123 1
CACGGACTCCCAGCACTTCTTCTGC 0 1155 1
GGAGGTGGCACCGCCGAGGCTGCTG 0 1182 1
GATGGGGCCGTGGCACTGCTCGGCC 0 1215 0
CATCAACAAGCTCAAGACTGGGGGC 0 1254 1
GGGGCTGCGGCGGAGAACATAGGAG 0 1290 0
CACAGACAGTGAGGAGGAAGCTGTC 0 1324 0
GGGGCTGCGCCGGATGAGGCAGCCC 0 1377 0
GGAGCTCTCGAAGACTGCTGTGGGG 0 1435 0
GGATGGGGGGCTGCACGTAGATGGG 0 1473 1
CCTGATCGTGGTCCAGAGAGGTCAC 0 1551 1
CACCCACATCATCCTTGGTTCAGCC 0 1580 1
CCAGCTGAGTCAGATGACATTTCAC 0 1617 1
CAGCCTGGAGTGGCATGAGAACCTG 0 1656 1
CATGAGGTGGTGGATGGGGAGGCCC 0 1720 1
GGTGCTGCTGAAGGTCATGGATGCC 0 1755 1
CATGGAGTCATTCCTGGAAGCAGCG 0 1794 1
CCAAGTGTCGTACCGGCATCTCGTG 0 1830 1
CCACGGCGTGTGCATGGCTGGAGAC 0 1860 1
CTATGGCCCCCAGGTGTACAAATTC 0 1900 0
GCACCAGGTGGCCACGTTTTCGCAG 0 1933 0
CTGGAAGCTGCAGGTGGTCAAACAG 0 1965 1
CATTGCCATGGGGCAGGCCTTTGTC 0 2017 0
CCCGAGCCAGGAGCACCTTCCGGGC 0 2047 0
CCCGCCCTTCATCAAGCTGAGTGAC 0 2088 1
CGGTGAGCATCTCCAGGCTTAACAC 0 2131 0
CTCGGGGGCCACCCAGGGGATCCTG 0 2157 0
GTGGCGCCGAAGCCCCACTTGTCAG 0 2216 0
GATGGGCATGGTGACGCCACTAAAC 0 2253 0
GGGCCGGCAGCTGCTGCCGGTCCTC 0 2314 0
GACAGAGCTGGCCCTGCTGATTCAA 0 2346 1
GGGCCTCTGGACCGGCTCATAGGCC 0 2379 0
GCCAGGGCACCAGGTGTGGGGTCTG 0 2465 0
CGTGGGGTCTTGGCAGGCATAGAGC 0 2520 0
CTTGCCCAGCTGTGAGATGTACTTG 0 2565 0
GCGGCACAGCTCCACGCTGCCAAAG 0 2595 0
GGTGCCCTGGTGGCCGTGAAACAGC 0 2644 1
GCAGCACAGCGGGCCAGACCAGCAG 0 2670 1
CTATGGCCCGGGCCGCCAGAGCCTG 0 2769 1
GCTGGGCAGGTACTCCATGACCAGC 0 2796 0
GCTGCAGGAAGTCGCGCAAGCAGCC 0 2821 0
GCACCGCGCGCGCCTCGATGCCAGC 0 2847 1
CATGCCCTTGCAGATCTGCGAGGAA 0 2886 0
GTACCTGGGCTCCCGCCGCTGCGTG 0 2913 1
CTCGCTCTCCACGAGGATGTTTCGG 0 2955 0
CAAGCGGCAGCAGCTTAGCTAGGCC 0 3004 0
CTGGCTCGCGGACCACGTAGTAGTC 0 3034 0
GACCCCGAAGCTCCAGACGTCTGAC 0 3120 0
CGAGGGGCTGCAGCTTTTGTCGCAG 0 3168 0
GTTCCTGCGGATGATGGGATGTGAG 0 3198 1
GGATGTCCCCGCCCTCTGCCGCCTC 0 3225 1
GAACTGCTGGAGGAGGGCCAGAGGC 0 3253 1
GCAGGGCAGGCAGGAGGCGCCGGCA 0 3278 0
CGAGCTCATGAAGCTGTGCTGGGCC 0 3312 1
GGGGCCCAGGGCGCTGAATGATGGC 0 3354 0
CATGCTGTGGAGCGGAAGCCGGGGG 0 3387 1
CCTGCCCGCAGACCTCTGGATTAGG 0 3477 1
GGGGCAGCTCCGGGCCTAAGGTCAC 0 3520 0
CTGGGCCTCAGAGGCCTTATGAGGG 0 3548 1
CATGGGGGTGTTCCTGAAGTAGAGG 0 3574 0
GGGGCTCCCGTGGCCTGTAGAATAG 0 3613 1
GAAGCAGAGGTTGCACTGAGCCGAG 0 3881 0
GAGGCAGGAGAATCGCTTGAACCTG 0 3907 0
GCCTCCCGAGTAGCTGGGATTACAG 0 3933 1
CGAGATCAGCCTGGCCATCATGGTG 0 4012 0
GAGGCTGAGGTGGGAGGATCACTTG 0 4049 0
CCAGGAGTTCAAGACCAGCCTGGGC 0 4172 0
GGTGCTGTAGTCCCAGCTATTTAGG 0 4224 0
GCCTGGGCGACAGAGCGAGACTCCG 0 4321 0
GAGGCGGAGCTTGCAGTGAGCCTAG 0 4365 0
GAGGCTGAGGCGAGAGAATGGTGTG 0 4397 0
GACGGGGTTTCACCTTGTTAGCCAG 0 4486 1
GGAGGCCGAGACGGGCAGATCACGA 0 4532 0
CAGTGGCTCATGCCTGTAATCCCAG 0 4564 0
GGGGCAGGAAAGGCTGGGGTCCCAG 0 4738 1
CTCACCCTACAAGGGGCACAAAGGG 0 4833 1
GCATGCCAAGCGTGAGAAGGCTCAG 0 4928 1
CAGGGTCAACTTTCTGACTGGTGAG 0 5093 1
GATTCTCATGCAGGTTAAGCTTCTG 0 5121 1
CTTGCAGCCTTCCCTCATATACCCC 0 5234 1
CCTTCCCTCCAGCCCCACTCTGGCC 0 5279 1
CCAGCTGTCTCCCCTGACCTCAGGG 0 5328 1
CTTGGGGGCTGGGCTGAGGCCTCAG 0 5356 1
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MAP Score: 37.8948

Motif 17
GGAGCCGAGTGGGACTTTCCTCTCG 0 10 1
GAAGGGCGGGCAGAGCCGGGAGGCA 0 36 0
GAAGAGACGCCCCTGATCCCTCAGC 0 115 1
CAGGGCACCAGCCTCCGTGGACAAG 0 153 0
GGCCCCGAGCGGGCAGCAGCACATG 0 178 0
GAGGACCTGTGCGTGCAGGCTGCCA 0 250 1
GTGGTACACAGGCAGGATGCCGCTG 0 279 0
GGAGGACCTGTCCTGCTGGTTCCCC 0 324 1
GCTGGCATCCTCCACGGAGAAGATG 0 357 0
CTTGCGTAGCCCGAAGCGGTGGCAC 0 441 0
CTTGACCTGCCAGTCCTGGAGCACC 0 484 1
TGCCCAGCACCGCAGTGACCTGGTG 0 513 1
CTCCTTGAGACTGAGGCCCACGGGG 0 549 0
CAGCCTGGCCGTGTTGGACCTGGCC 0 588 1
GATGGCGCGAGAGCAGGCCCAGCGG 0 615 1
GGCCTTGTAGCTGACAGTCTTCAGC 0 651 0
CCTGCGCGACCTGATCCAGGGCCTG 0 690 1
CCTCCGAATACGCCTCCGCGTCACG 0 720 0
GGTGCGCAGAGCCCTGCGCCGCGTG 0 747 1
CTGCCAGGCAGACCGGCACTCGCTC 0 777 1
GTACATCATGGACCTGGAGCGGCTG 0 810 1
CGTGGAAGGTCTCGGCGGCCCCGGC 0 841 0
GGCCACCAAGGGCCCCAGGGAGGCC 0 868 0
CGACGGGCTGGGGCTGCTCCGCGTG 0 894 1
CTGGTGACGGCGGCATCGCCTGGAC 0 920 1
CCAGGGAGAACAGGAGGTCCTCCAG 0 945 1
GCAGGCCCCGCGCGTTGGCCCGGCC 0 1011 1
TAACAGTGACCAGGCGGTGCTCTCC 0 1036 0
GCCGAGTTCCCAGGGCTGCCCGAGG 0 1087 1
TCTGTCGTTCGTGGCGCTCGTGGAC 0 1113 1
CTACTTCCGGCTGACCACGGACTCC 0 1140 1
GGAGGTGGCACCGCCGAGGCTGCTG 0 1182 1
CGTGGCACTGCTCGGCCACTTCCTC 0 1207 0
CCTGGGGGCTGCGGCGGAGAACATA 0 1294 0
CCTCCTCACTGTCTGTGTCCAGAAC 0 1332 1
GGGGCTGCGCCGGATGAGGCAGCCC 0 1377 0
GGGGTCGGCTGAGGCCAACCAGAAG 0 1414 0
CCCCATCTACGTGCAGCCCCCCATC 0 1474 0
GCTGTGACCTCTCTGGACCACGATC 0 1554 0
GATCCCTGCTGACAGCCTGGAGTGG 0 1644 1
CCTGGGCCATGGGTCCTTCACCAAG 0 1677 1
CCTCCCCATCCACCACCTCATGGCG 0 1717 0
GTCGTACCGGCATCTCGTGCTGCTC 0 1836 1
GCTGTCTCCAGCCATGCACACGCCG 0 1863 0
GCAGATACATGTCTATGGCCCCCAG 0 1912 0
CTGCAGCTTCCAGCTGGCTGGCACC 0 1953 0
CTGGAGGACAAAGGCCTGCCCCATG 0 2011 1
TGTCTCTGCCCGGAAGGTGCTCCTG 0 2040 1
GGAGGGGGCTGATGGGAGCCCGCCC 0 2070 1
CAAGCTGAGTGACCCTGGGGTCAGC 0 2100 1
TGTGTTAAGCCTGGAGATGCTCACC 0 2130 1
CAGGATCCCCTGGGTGGCCCCCGAG 0 2157 1
CTTGGAAGCTGACAAGTGGGGCTTC 0 2208 1
GGAGTTTCTTAGCAGGATCCAGGGC 0 2281 0
TATGAGGACCGGCAGCAGCTGCCGG 0 2311 1
CAGCAGGGCCAGCTCTGTCCACTTG 0 2340 0
CATGGCCTATGAGCCGGTCCAGAGG 0 2376 1
CAGGTGTGGGGTCTGAGAGGAGCTC 0 2455 0
CTGCCAAGACCCCACGATCTTCGAG 0 2529 1
GTACATCTCACAGCTGGGCAAGGGC 0 2568 1
GTGGAGCTGTGCCGCTATGACCCGC 0 2605 1
GGCGACAATACAGGTGCCCTGGTGG 0 2632 1
CGTGAAACAGCTGCAGCACAGCGGG 0 2658 1
CCCGCTGAAAGTCCCTCTGCTGGTC 0 2686 0
TGTCAGCTATGGCCCGGGCCGCCAG 0 2763 1
CCTGCGGCTGGTCATGGAGTACCTG 0 2790 1
CAGGAAGTCGCGCAAGCAGCCGCTG 0 2817 0
CATCGAGGCGCGCGCGGTGCCGCTG 0 2842 0
GTACTCCATGCCCTTGCAGATCTGC 0 2892 0
CTGGGCTCCCGCCGCTGCGTGCACC 0 2917 1
GAGGATGTTTCGGGCGGCCAGGTCG 0 2943 0
CCACGTAGTAGTCTTTGTCAAGCGG 0 3022 0
CCCCGAATCCCTCTCGGACAACATC 0 3084 1
CCAGTCAGACGTCTGGAGCTTCGGG 0 3117 1
CCTGTACGAGCTCTTCACCTACTGC 0 3147 1
CAGGAACTCGGCCGAGGGGCTGCAG 0 3180 0
TGAGCGGGATGTCCCCGCCCTCTGC 0 3219 1
CCTCTTGGAACTGCTGGAGGAGGGC 0 3246 1
GCAGGCAGGAGGCGCCGGCAGCCTC 0 3273 0
TGGGCTAGGGGCCCAGCACAGCTTC 0 3321 0
CCGGCCATCATTCAGCGCCCTGGGC 0 3351 1
CCGGCTTCCGCTCCACAGCATGTCC 0 3384 0
CATGCCTTCACTGCTCACCCAGAGG 0 3421 1
TGTGACCTTAGGCCCGGAGCTGCCC 0 3519 1
CATGACATTGCATTTGGGGGGGCTC 0 3595 1
TGGGCCAGGACTCAGAGAGCCCCAC 0 3690 0
CCAGCTACTCGGGAGGCTGAGGCAG 0 3925 0
TTAGCCGGGTGTGGTGGTGCACACC 0 3957 0
CACCATGATGGCCAGGCTGATCTCG 0 4012 1
CCTCAAGTGATCCTCCCACCTCAGC 0 4046 1
CCAGGAGTTCAAGACCAGCCTGGGC 0 4172 0
CGAGAGAATGGTGTGAACCCAGGAG 0 4387 0
GCTGGGACTACAGGCGCCCGCCACC 0 4429 1
CTCGTGATCTGCCCGTCTCGGCCTC 0 4531 1
TGGGATTACAGGCATGAGCCACTGC 0 4565 1
TCTGGAGGAAGCCAAGGACAAGAGC 0 4650 1
GCAGGAAAGGCTGGGGTCCCAGTCC 0 4741 1
GGTGGGAAAACTGAAGCCCTAGGAC 0 4785 0
TCTGTCCTCACCCTACAAGGGGCAC 0 4827 1
CCCCACTCTGGCCCTGGGGCTGGGG 0 5291 1
CCTCAGGGTTCCTTGGGGGCTGGGC 0 5345 1
GGCCTCAGTACAGAGGGGGCTCTGG 0 5373 1
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MAP Score: 33.2379

Motif 18
CGAGAGGAAAGTCCCACTCGGCTCC 0 10 0
GAAGGGCGGGCAGAGCCGGGAGGCA 0 36 0
AAAGTCCAGGGTCCCTGCCCGCTAG 0 62 1
GAAGAGACGCCCCTGATCCCTCAGC 0 115 1
CGGGCAGCAGCACATGCAGGGCACC 0 169 0
CTCGGGGCCCCGGGCCCCCCCAGCG 0 194 1
CAGGTCCTCAGCCAAGTGGTCCCCA 0 234 0
GTGGTACACAGGCAGGATGCCGCTG 0 279 0
TCTGGCCACGGAGGACCTGTCCTGC 0 315 1
CCCCCCGAGCCACATCTTCTCCGTG 0 345 1
CAGCACCCAAGTCCTGCTGTACAGG 0 378 1
CTCCAGCCCAAACCAATTGGGGAAG 0 414 0
CTTGCGTAGCCCGAAGCGGTGGCAC 0 441 0
CTTGACCTGCCAGTCCTGGAGCACC 0 484 1
CCAGGTCACTGCGGTGCTGGGCAAA 0 511 0
GAGTGGGCGCCTCCCCGTGGGCCTC 0 537 1
GGAGCAGGGTGAGTGTCTCAGCCTG 0 570 1
CGCCATCCGGGCCAGGTCCAACACG 0 597 0
CTCCCGGCCGCTGGGCCTGCTCTCG 0 622 0
GCTGAAGACTGTCAGCTACAAGGCC 0 651 1
CCTGCGCGACCTGATCCAGGGCCTG 0 690 1
GCTCTGCGCACCGTCCTCCGAATAC 0 734 0
CCTGCGCCGCGTGGCCGCCTGCCAG 0 759 1
GCTCATGGCCAAGTACATCATGGAC 0 798 1
CCCCGGCTGGATCCAGCCGCTCCAG 0 823 0
GAGGCCCACGTGGAAGGTCTCGGCG 0 849 0
CGTCGTGGCCACCAAGGGCCCCAGG 0 874 0
CACCAGCCACGCGGAGCAGCCCCAG 0 901 0
GGAGGTCCTCCAGCCCTTCTGCGAC 0 957 1
GGCCGGGCCAACGCGCGGGGCCTGC 0 1011 0
GAGTTCCCAGGGCTGCCCGAGGCTC 0 1090 1
GCCGTCCACGAGCGCCACGAACGAC 0 1116 0
GCTGACCACGGACTCCCAGCACTTC 0 1149 1
CTGCAAGGAGGTGGCACCGCCGAGG 0 1176 1
GCACTGCTCGGCCACTTCCTCCAGC 0 1203 0
TAGGAGCCAGGACGTGAGCCCCCAG 0 1271 0
GAGGAGGAAGCTGTCAAAGTCCTGG 0 1314 0
TGTGTCCAGAACCCCCTTGGTCCTG 0 1345 1
GCTGCGCCGGATGAGGCAGCCCTTA 0 1374 0
CTTCTGGTTGGCCTCAGCCGACCCC 0 1414 1
TACGTGCAGCCCCCCATCCCAGCAG 0 1467 0
GCTGTGACCTCTCTGGACCACGATC 0 1554 0
GTCCTTCACCAAGATTTACCGGGGC 0 1689 1
GGGCCTCCCCATCCACCACCTCATG 0 1720 0
GAACTGCATGGAGTCATTCCTGGAA 0 1788 1
GTACCGGCATCTCGTGCTGCTCCAC 0 1839 1
CCAGCTGGCTGGCACCAGGTGGCCA 0 1944 0
GGCGTAGGCCAGCTGTTTGACCACC 0 1977 0
CTGGAGGACAAAGGCCTGCCCCATG 0 2011 1
CAATGTCTCTGCCCGGAAGGTGCTC 0 2037 1
GCTCGGGAGGGGGCTGATGGGAGCC 0 2065 1
GCTGACCCCAGGGTCACTCAGCTTG 0 2100 0
GATCCTGTCGGTGAGCATCTCCAGG 0 2139 0
TGGGTGGCCCCCGAGTGTCTCCGGG 0 2167 1
GACCGTGGCGCCGAAGCCCCACTTG 0 2220 0
TATGAGGACCGGCAGCAGCTGCCGG 0 2311 1
CAAGTGGACAGAGCTGGCCCTGCTG 0 2340 1
CCTCTGGACCGGCTCATAGGCCATG 0 2376 0
CAGGTGTGGGGTCTGAGAGGAGCTC 0 2455 0
GGTCTTGGCAGGCATAGAGCTGGGC 0 2515 0
CTTGAGGTGTCTCTCCTCGAAGATC 0 2544 0
CACGCTGCCAAAGTTGCCCTTGCCC 0 2583 0
GCCCTGGTGGCCGTGAAACAGCTGC 0 2647 1
CAGCGGGCCAGACCAGCAGAGGGAC 0 2676 1
TGTCAGCTATGGCCCGGGCCGCCAG 0 2763 1
CCTGCGGCTGGTCATGGAGTACCTG 0 2790 1
CGGCTGCTTGCGCGACTTCCTGCAG 0 2820 1
CGGCACCGCGCGCGCCTCGATGCCA 0 2845 1
CCGCCTCCTTCTCTATTCCTCGCAG 0 2871 1
CAAGGGCATGGAGTACCTGGGCTCC 0 2901 1
CCGCTGCGTGCACCGCGACCTGGCC 0 2928 1
TGACGTGTGCCTCGCTCTCCACGAG 0 2965 0
CAAGCGGCAGCAGCTTAGCTAGGCC 0 3004 0
GCCTGGCTCGCGGACCACGTAGTAG 0 3036 0
CAGGACGACCCCGAAGCTCCAGACG 0 3126 0
GCTTTTGTCGCAGTAGGTGAAGAGC 0 3156 0
CAGCCCCTCGGCCGAGTTCCTGCGG 0 3183 1
GCAGAGGGCGGGGACATCCCGCTCA 0 3219 0
GCCCTCCTCCAGCAGTTCCAAGAGG 0 3246 0
GCAGGCAGGAGGCGCCGGCAGCCTC 0 3273 0
CTGTGGGCTAGGGGCCCAGCACAGC 0 3324 0
GTCCAGCTGGGGGCCCAGGGCGCTG 0 3363 0
GAAGCCGGGGGTGTGAGACTCATGC 0 3401 1
TCTGTTGACTGGCTGTGTGACCTTA 0 3504 1
CCGGAGCTGCCCCTCTCTGGGCCTC 0 3532 1
CCTTATGAGGGTCCTCTACTTCAGG 0 3562 1
CTACAGGCCACGGGAGCCCCCCCAA 0 3608 0
CAGTGGGGCTCTCTGAGTCCTGGCC 0 3688 1
CAGGGGGCCAGGGCTTAAGGGGTTG 0 3754 0
GAGCCTCGCTCTGTTACCCAGGGTG 0 3839 1
GCAGAGGTTGCACTGAGCCGAGATC 0 3878 0
GCTGAGGCAGGAGAATCGCTTGAAC 0 3910 0
TTAGCCGGGTGTGGTGGTGCACACC 0 3957 0
CATGATGGCCAGGCTGATCTCGAAC 0 4015 1
GCTGAGGTGGGAGGATCACTTGAGG 0 4046 0
GTTGCCCAGGCTGGTCTTGAACTCC 0 4169 1
CTGGGCGACAGAGCGAGACTCCGTC 0 4319 0
TCTCTCGCCTCAGCCTCCCAAGTAG 0 4405 1
CGGGTGTGGTGGCGGGCGCCTGTAG 0 4436 0
CGGGCGCAGTGGCTCATGCCTGTAA 0 4570 0
GTCCCAGCCACAGCAACTGCTCTTG 0 4668 0
GCCCGTGTATCTCTTTGGGATCCTG 0 4709 1
GCTGGGGTCCCAGTCCACCCTAATG 0 4750 1
TCTGTCCTCACCCTACAAGGGGCAC 0 4827 1
TTGGAGCCTACAGTTTTGCCCCTTC 0 4978 1
GAGCAGCAGAAGCTTAACCTGCATG 0 5127 0
CTGTAGCCCTGTCCTTCCCTCCAGC 0 5267 1
CACTCTGGCCCTGGGGCTGGGGAAG 0 5294 1
GGTCAGGGGAGACAGCTGGACACAG 0 5322 0
CCTCAGCCCAGCCCCCAAGGAACCC 0 5350 0
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MAP Score: 24.6442

Motif 19
GCAGAGCCGGGAGGCAGCG 0 33 0
GCCTAGCGGGCAGGGACCC 0 70 0
GCAGGGCACCAGCCTCCGT 0 160 0
CCCGAGCGGGCAGCAGCAC 0 181 0
CGCTGGGGGGGCCCGGGGC 0 200 0
CCTCAGCCAAGTGGTCCCC 0 235 0
GCAGCCTGCACGCACAGGT 0 254 0
CAAGGCCAGCGGCATCCTG 0 273 1
CCAGAGCAAAGAGGGAGTG 0 301 0
CGGGGGGAACCAGCAGGAC 0 333 0
GGTGGCACTTCTCCAGCCC 0 430 0
CCTGCCAGTCCTGGAGCAC 0 489 1
CCAGGTCACTGCGGTGCTG 0 517 0
CACGGGGAGGCGCCCACTC 0 537 0
CAGGGTGAGTGTCTCAGCC 0 574 1
TCCGGGCCAGGTCCAACAC 0 598 0
GGCGCGAGAGCAGGCCCAG 0 618 1
GCCGGGAGAGCTGCTGAAG 0 639 1
CTTGGGGGTAGGCAGGCCT 0 671 0
CCTGCGCGACCTGATCCAG 0 690 1
CCTGAGCTTCGTGACGCGG 0 711 1
GCAGGGCTCTGCGCACCGT 0 745 0
CCTGGCAGGCGGCCACGCG 0 766 0
ACTTGGCCATGAGCGAGTG 0 793 0
GCGGCCCCGGCTGGATCCA 0 833 0
CGAGACCTTCCACGTGGGC 0 852 1
CGTGGCCACCAAGGGCCCC 0 877 0
CGGGCTGGGGCTGCTCCGC 0 897 1
CCTGGGTCCAGGCGATGCC 0 931 0
CGCGCGGGGCCTGCTTGAT 0 1006 0
GGTGCTCTCCGGCCGGGCC 0 1027 0
CCAGATTTTAGAGGCCGAG 0 1074 1
CCAGGGCTGCCCGAGGCTC 0 1096 1
CGTGGCGCTCGTGGACGGC 0 1122 1
TCCGGCTGACCACGGACTC 0 1145 1
GGTGGCACCGCCGAGGCTG 0 1185 1
CGTGGCACTGCTCGGCCAC 0 1213 0
ACTGGGGGCTCACGTCCTG 0 1270 1
CCTGGGGGCTGCGGCGGAG 0 1300 0
CAGGACCAAGGGGGTTCTG 0 1351 0
TAAGGGCTGCCTCATCCGG 0 1374 1
GTTGGCCTCAGCCGACCCC 0 1420 1
GATGGGGTGGCAGTGACCC 0 1492 1
TGTGACCTCTCTGGACCAC 0 1558 0
CATGCCACTCCAGGCTGTC 0 1654 0
CCTGGGCCATGGGTCCTTC 0 1677 1
CCGGGGCTGTCGCCATGAG 0 1707 1
GTGGTGGATGGGGAGGCCC 0 1726 1
CCATGACCTTCAGCAGCAC 0 1756 0
CACGAGATGCCGGTACGAC 0 1836 0
CGTGGCCACCTGGTGCCAG 0 1942 1
GGTGGTCAAACAGCTGGCC 0 1977 1
GCAGGCCTTTGTCCTCCAG 0 2011 0
TCCGGGCAGAGACATTGCC 0 2035 0
CCTCCCGAGCCAGGAGCAC 0 2056 0
CCCGCCCTTCATCAAGCTG 0 2088 1
CGGGGCTGACCCCAGGGTC 0 2110 0
CCTGGAGATGCTCACCGAC 0 2139 1
CCTGGGTGGCCCCCGAGTG 0 2165 1
GAGGCGCAGACACTTAGCT 0 2191 1
CGTGGCGCCGAAGCCCCAC 0 2223 0
GATGGGCATGGTGACGCCA 0 2259 0
GCAGCTGCTGCCGGTCCTC 0 2314 0
CAAGTGGACAGAGCTGGCC 0 2340 1
CATGGCCTATGAGCCGGTC 0 2376 1
GGCTCGGAAGGAGGGCCTC 0 2397 0
CCAGGGCACCAGGTGTGGG 0 2470 0
GGCAGGCATAGAGCTGGGC 0 2515 0
CCTTGCCCAGCTGTGAGAT 0 2572 0
GCGGGTCATAGCGGCACAG 0 2611 0
GGCGACAATACAGGTGCCC 0 2632 1
GCAGCACAGCGGGCCAGAC 0 2670 1
GAGGGACTTTCAGCGGGAG 0 2694 1
GCAGTGCTTTGAGGATCTG 0 2716 0
CCATAGCTGACACCACGAT 0 2756 0
CCCGGGCCGCCAGAGCCTG 0 2775 1
GCTGGTCATGGAGTACCTG 0 2796 1
GCGGCTGCTTGCGCGACTT 0 2819 1
GCGCGCGGTGCCGCTGCAG 0 2839 0
GGAGGCGGCTGGCATCGAG 0 2860 0
CAAGGGCATGGAGTACCTG 0 2901 1
GCGGTGCACGCAGCGGCGG 0 2925 0
CTAGGCCGAAGTCAGCGAT 0 2992 0
GCTGCCGCTTGACAAAGAC 0 3018 1
CGTGGTCCGCGAGCCAGGC 0 3042 1
CTGGAGCTTCGGGGTCGTC 0 3129 1
CTCGGCCGAGGGGCTGCAG 0 3180 0
GCGGGGACATCCCGCTCAC 0 3218 0
TCTGGCCCTCCTCCAGCAG 0 3256 0
CCGGCGCCTCCTGCCTGCC 0 3280 1
CCGGTCCTGTGGGCTAGGG 0 3336 0
GGGGGCCCAGGGCGCTGAA 0 3361 0
GCTGGACATGCTGTGGAGC 0 3381 1
CCGGGGGTGTGAGACTCAT 0 3405 1
ACAGGGAGTGGTGTTTGCC 0 3445 0
CCTGCCCGCAGACCTCTGG 0 3477 1
CGGGCCTAAGGTCACACAG 0 3516 0
GAGGCCCAGAGAGGGGCAG 0 3538 0
CGGGAGCCCCCCCAAATGC 0 3604 0
GCATATGTGTCAGTGGGGC 0 3678 1
TTTGGGCCAGGACTCAGAG 0 3698 0
TAAGCCCTGGCCCCCTGAG 0 3762 1
CCAGGTTCAAGCGATTCTC 0 3906 1
GCTGGGATTACAGGTGTGC 0 3945 1
GATGGCCAGGCTGATCTCG 0 4018 1
CTGGGCTACAGTGATCCTC 0 4193 1
GTCTCGCTCTGTCGCCCAG 0 4325 1
GCGGAGCTTGCAGTGAGCC 0 4368 0
CCAGCTACTTGGGAGGCTG 0 4415 0
GCCGGGTGTGGTGGCGGGC 0 4444 0
CCAGCACTTTGGGAGGCCG 0 4549 0
GCCGGGCGCAGTGGCTCAT 0 4578 0
CTGTGGCTGGGACTCTGCC 0 4680 1
TGCCCCCTTTCAGGATCCC 0 4725 0
GCTGGGGTCCCAGTCCACC 0 4750 1
GAAGCCCTAGGACACTCAG 0 4779 0
CCTGTCCAATGGGACCCTT 0 4808 1
GCTTGGCATGCTGTTCCCT 0 4920 0
CCCTTCCATGCAGTGTGAC 0 4997 1
TCAGAGCTTACCCCTTGGC 0 5070 1
GCTGCTCCTCCTCACCTGC 0 5145 1
GCTGGAGGGAAGGACAGGG 0 5273 0
CCCAGCCCCAGGGCCAGAG 0 5296 0
TCAGGGGAGACAGCTGGAC 0 5326 0
CCCAGCCCCCAAGGAACCC 0 5350 0
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MAP Score: 21.3336

Motif 20
GGGCAGAGCCGGGAGGCAGCGAGAGG 0 28 0
CTAGCGGGCAGGGACCCTGGACTTTC 0 61 0
CGGGCAGCAGCACATGCAGGGCACCA 0 168 0
CTCGGGGCCCCGGGCCCCCCCAGCGC 0 194 1
CCTGCACGCACAGGTCCTCAGCCAAG 0 243 0
CAGCAGGACAGGTCCTCCGTGGCCAG 0 316 0
CTTGGGTGCTGGCATCCTCCACGGAG 0 363 0
GCTGGAGAAGTGCCACCGCTTCGGGC 0 432 1
GGTGCTCCAGGACTGGCAGGTCAAGG 0 483 0
CCAGGTCACTGCGGTGCTGGGCAAAG 0 510 0
GCCTCCCCGTGGGCCTCAGTCTCAAG 0 545 1
CCTGGCCGTGTTGGACCTGGCCCGGA 0 591 1
CCGGCCGCTGGGCCTGCTCTCGCGCC 0 618 0
CCCAAGCCTGCGCGACCTGATCCAGG 0 684 1
CCTCCGAATACGCCTCCGCGTCACGA 0 719 0
GGTGCGCAGAGCCCTGCGCCGCGTGG 0 747 1
CTGCCAGGCAGACCGGCACTCGCTCA 0 777 1
GTACATCATGGACCTGGAGCGGCTGG 0 810 1
GAAGGTCTCGGCGGCCCCGGCTGGAT 0 836 0
CACGTGGGCCTCCCTGGGGCCCTTGG 0 862 1
GGAGCAGCCCCAGCCCGTCGTGGCCA 0 888 0
CAGGCGATGCCGCCGTCACCAGCCAC 0 916 0
GGCCAACGCGCGGGGCCTGCTTGATG 0 1005 0
CGAGTTCCCAGGGCTGCCCGAGGCTC 0 1089 1
GTCGTTCGTGGCGCTCGTGGACGGCT 0 1116 1
GCAGCCTCGGCGGTGCCACCTCCTTG 0 1179 0
CGTGGCACTGCTCGGCCACTTCCTCC 0 1206 0
CAGGACCAAGGGGGTTCTGGACACAG 0 1344 0
CTGCCTCATCCGGCGCAGCCCCACAG 0 1380 1
GTCGGCTGAGGCCAACCAGAAGGAAG 0 1410 0
CATCTACGTGCAGCCCCCCATCCCAG 0 1470 0
GGTATTGGGATTGGGGCTGAACCAAG 0 1593 0
CCGGGGCTGTCGCCATGAGGTGGTGG 0 1707 1
CCGGCATCTCGTGCTGCTCCACGGCG 0 1842 1
GCGAAAACGTGGCCACCTGGTGCCAG 0 1935 1
GCTGTTTGACCACCTGCAGCTTCCAG 0 1965 0
GCAGGCCTTTGTCCTCCAGATAGTTG 0 2004 0
GAGCCAGGAGCACCTTCCGGGCAGAG 0 2043 0
CTTGATGAAGGGCGGGCTCCCATCAG 0 2078 0
CCTGGGGTCAGCCCCGCTGTGTTAAG 0 2113 1
GGCCACCCAGGGGATCCTGTCGGTGA 0 2150 0
CGAGTGTCTCCGGGAGGCGCAGACAC 0 2178 1
CGTGGCGCCGAAGCCCCACTTGTCAG 0 2216 0
GCGTCACCATGCCCATCAGTGCCCTG 0 2261 1
GGACCGGCAGCAGCTGCCGGCCCCCA 0 2316 1
GTTGAATCAGCAGGGCCAGCTCTGTC 0 2346 0
CTCGGAAGGAGGGCCTCTGGACCGGC 0 2388 0
CGAGGTGCCAGGGCACCAGGTGTGGG 0 2470 0
CTGCCAAGACCCCACGATCTTCGAGG 0 2529 1
GCAGCGTGGAGCTGTGCCGCTATGAC 0 2600 1
GCCCGCTGTGCTGCAGCTGTTTCACG 0 2658 0
CCCGCTGAAAGTCCCTCTGCTGGTCT 0 2685 0
GTCAGCTATGGCCCGGGCCGCCAGAG 0 2764 1
CCTGCGGCTGGTCATGGAGTACCTGC 0 2790 1
CAGGAAGTCGCGCAAGCAGCCGCTGG 0 2816 0
CAGCGGCACCGCGCGCGCCTCGATGC 0 2842 1
GTACTCCATGCCCTTGCAGATCTGCG 0 2891 0
GCGGTGCACGCAGCGGCGGGAGCCCA 0 2918 0
CGTGTGCCTCGCTCTCCACGAGGATG 0 2961 0
GGCCTGGCTCGCGGACCACGTAGTAG 0 3036 0
GACGACCCCGAAGCTCCAGACGTCTG 0 3122 0
GAACTCGGCCGAGGGGCTGCAGCTTT 0 3176 0
GCGGGATGTCCCCGCCCTCTGCCGCC 0 3222 1
CTTGGAACTGCTGGAGGAGGGCCAGA 0 3249 1
GCAGGGCAGGCAGGAGGCGCCGGCAG 0 3277 0
GGCGCTGAATGATGGCCGGTCCTGTG 0 3344 0
CCCCCAGCTGGACATGCTGTGGAGCG 0 3375 1
CCAGAGGTCTGCGGGCAGGAGCTATG 0 3470 0
CAGAGAGGGGCAGCTCCGGGCCTAAG 0 3525 0
CAGGCCACGGGAGCCCCCCCAAATGC 0 3604 0
CAGGGGGCCAGGGCTTAAGGGGTTGG 0 3753 0
CCAGCTACTCGGGAGGCTGAGGCAGG 0 3924 0
GCCGGGTGTGGTGGTGCACACCTGTA 0 3953 0
CACCATGATGGCCAGGCTGATCTCGA 0 4012 1
GGAGTTCAAGACCAGCCTGGGCAACG 0 4168 0
CTAGGCTCACTGCAAGCTCCGCCTCC 0 4365 1
CCAGCTACTTGGGAGGCTGAGGCGAG 0 4408 0
GCCGGGTGTGGTGGCGGGCGCCTGTA 0 4437 0
CCAGCACTTTGGGAGGCCGAGACGGG 0 4542 0
GAGCCACTGCGCCCGGCCCTCATGTA 0 4580 1
AGAGATACACGGGCTCCCCTAAAAGG 0 4697 0
GGCCAGAGTGGGGCTGGAGGGAAGGA 0 5278 0
\*  \*      \* \*\* \*\* \*  \*   \*
MAP Score: 17.4822

Motif 21
CACACAGGAAGGAGCCGAGTGGGAC 0 0 1
TCCTCTCGCTGCCTCCCGGCTCTGC 0 27 1
CTAGCGGGCAGGGACCCTGGACTTT 0 62 0
TGGTGCCCTGCATGTGCTGCTGCCC 0 168 1
GCTCGGGGCCCCGGGCCCCCCCAGC 0 193 1
CTTTGGGGACCACTTGGCTGAGGAC 0 231 1
CGTGCAGGCTGCCAAGGCCAGCGGC 0 261 1
CAAAGAGGGAGTGGTACACAGGCAG 0 289 0
CGGGGGGAACCAGCAGGACAGGTCC 0 327 0
GGACTTGGGTGCTGGCATCCTCCAC 0 367 0
GTTTGGGCTGGAGAAGTGCCACCGC 0 426 1
CCTTGACCTGCCAGTCCTGGAGCAC 0 483 1
CACTCACCAGGTCACTGCGGTGCTG 0 517 0
GAGACTGAGGCCCACGGGGAGGCGC 0 543 0
GGCTGAGACACTCACCCTGCTCCTT 0 568 0
GGCCGTGTTGGACCTGGCCCGGATG 0 594 1
CTCCCGGCCGCTGGGCCTGCTCTCG 0 622 0
CTGTCAGCTACAAGGCCTGCCTACC 0 659 1
AAGCCTGCGCGACCTGATCCAGGGC 0 687 1
CGTCCTCCGAATACGCCTCCGCGTC 0 723 0
GTGCGCAGAGCCCTGCGCCGCGTGG 0 748 1
CGCCTGCCAGGCAGACCGGCACTCG 0 774 1
CAAGTACATCATGGACCTGGAGCGG 0 807 1
GGATCCAGCCGGGGCCGCCGAGACC 0 834 1
AAGGGCCCCAGGGAGGCCCACGTGG 0 861 0
GCAGCCCCAGCCCGTCGTGGCCACC 0 886 0
CCGCGTGGCTGGTGACGGCGGCATC 0 912 1
GACCCAGGGAGAACAGGAGGTCCTC 0 942 1
CGTAGACATTAGCATCAAGCAGGCC 0 993 1
CCGCGCGTTGGCCCGGCCGGAGAGC 0 1018 1
GGCCGAGTTCCCAGGGCTGCCCGAG 0 1086 1
GTCGTTCGTGGCGCTCGTGGACGGC 0 1116 1
CTGGGAGTCCGTGGTCAGCCGGAAG 0 1143 0
CAAGGAGGTGGCACCGCCGAGGCTG 0 1179 1
GGCACTGCTCGGCCACTTCCTCCAG 0 1204 0
GAGCCAGGACGTGAGCCCCCAGTCT 0 1268 0
TGTTCTCCGCCGCAGCCCCCAGGAC 0 1296 1
CCTCCTCACTGTCTGTGTCCAGAAC 0 1332 1
AGGGCTGCCTCATCCGGCGCAGCCC 0 1376 1
GGGGTCGGCTGAGGCCAACCAGAAG 0 1414 0
CATCCCAGCAGGTTGCCAGGAGCTC 0 1453 0
AAGTGAGGGTCACTGCCACCCCATC 0 1492 0
GCTGGTATTGGGATTGGGGCTGAAC 0 1597 0
CCTGGAGTGGCATGAGAACCTGGGC 0 1659 1
GCCCCGGTAAATCTTGGTGAAGGAC 0 1689 0
CCTCCCCATCCACCACCTCATGGCG 0 1717 0
CCGAAAGACAGAGGTGCTGCTGAAG 0 1743 1
GTCGTACCGGCATCTCGTGCTGCTC 0 1836 1
GGTGCTGTCTCCAGCCATGCACACG 0 1866 0
GCAGGAATTTGTACACCTGGGGGCC 0 1896 1
CTGGCTGGCACCAGGTGGCCACGTT 0 1940 0
CCAGCTGTTTGACCACCTGCAGCTT 0 1969 0
CAGAGACATTGCCATGGGGCAGGCC 0 2023 0
GAAGGTGCTCCTGGCTCGGGAGGGG 0 2052 1
CCCAGGGTCACTCAGCTTGATGAAG 0 2094 0
CAGCCCCGCTGTGTTAAGCCTGGAG 0 2121 1
CACCCAGGGGATCCTGTCGGTGAGC 0 2148 0
CCCCGAGTGTCTCCGGGAGGCGCAG 0 2175 1
GACCGTGGCGCCGAAGCCCCACTTG 0 2220 0
TGAGGACCGGCAGCAGCTGCCGGCC 0 2313 1
CATGGCCTATGAGCCGGTCCAGAGG 0 2376 1
CTCTCAGACCCCACACCTGGTGCCC 0 2461 1
GATGGGCTGTGGAATGGTGCCCAGC 0 2497 1
CTATGCCTGCCAAGACCCCACGATC 0 2523 1
GCCCTTGCCCAGCTGTGAGATGTAC 0 2568 0
GCGGGTCATAGCGGCACAGCTCCAC 0 2605 0
GCAGCTGTTTCACGGCCACCAGGGC 0 2647 0
CAGCGGGCCAGACCAGCAGAGGGAC 0 2676 1
CTTTGAGGATCTGAATCTCCCGCTG 0 2704 0
CGTGGTGTCAGCTATGGCCCGGGCC 0 2758 1
GCAGGTACTCCATGACCAGCCGCAG 0 2791 0
CAGGAAGTCGCGCAAGCAGCCGCTG 0 2817 0
CATCGAGGCGCGCGCGGTGCCGCTG 0 2842 0
CAAGGGCATGGAGTACCTGGGCTCC 0 2901 1
CCGCTGCGTGCACCGCGACCTGGCC 0 2928 1
CGAAGTCAGCGATCTTGACGTGTGC 0 2980 0
CTTTGTCAAGCGGCAGCAGCTTAGC 0 3010 0
CGTGGTCCGCGAGCCAGGCCAGAGC 0 3042 1
CAGGACGACCCCGAAGCTCCAGACG 0 3126 0
CCTACTGCGACAAAAGCTGCAGCCC 0 3164 1
CAGAGGGCGGGGACATCCCGCTCAC 0 3218 0
CCGCCTCTTGGAACTGCTGGAGGAG 0 3243 1
GCCAGAGGCTGCCGGCGCCTCCTGC 0 3269 1
CCCTGCTGAGGTTCACGAGCTCATG 0 3297 1
CTGTGGGCTAGGGGCCCAGCACAGC 0 3324 0
GTCCAGCTGGGGGCCCAGGGCGCTG 0 3363 0
TGCTGTGGAGCGGAAGCCGGGGGTG 0 3389 1
GGCTGTGTGACCTTAGGCCCGGAGC 0 3514 1
CAGAGGCCTTATGAGGGTCCTCTAC 0 3556 1
CAAATGCAATGTCATGGGGGTGTTC 0 3586 0
GGGGGGCTCCCGTGGCCTGTAGAAT 0 3611 1
CCCACTGACACATATGCCCATCTGT 0 3670 0
CCCTGGGTAACAGAGCGAGGCTCTG 0 3837 0
GCTACTCGGGAGGCTGAGGCAGGAG 0 3922 0
GTTCGAGATCAGCCTGGCCATCATG 0 4015 0
CCAGGAGTTCAAGACCAGCCTGGGC 0 4172 0
GAGTCTCGCTCTGTCGCCCAGGCTG 0 4323 1
GGCTCACTGCAAGCTCCGCCTCCTG 0 4368 1
GTCCCAGCTACTTGGGAGGCTGAGG 0 4412 0
GTTTCCATCTCCTGACCTCGTGATC 0 4515 1
GCATGAGCCACTGCGCCCGGCCCTC 0 4576 1
GCTCCCCTAAAAGGCAGAGTCCCAG 0 4686 0
AAGGGGGCAGGAAAGGCTGGGGTCC 0 4735 1
CAATGGGACCCTTTCTGTCCTCACC 0 4814 1
GGTTAAGCTTCTGCTGCTCCTCCTC 0 5133 1
GCCTTCCCTCATATACCCCCACTAC 0 5240 1
GTAGCCCTGTCCTTCCCTCCAGCCC 0 5269 1
CACTCTGGCCCTGGGGCTGGGGAAG 0 5294 1
CTGTGTCCAGCTGTCTCCCCTGACC 0 5322 1
TGAGGCCTCAGTACAGAGGGGGCTC 0 5370 1
\*   \* \*   \*    \*\* \*\* \*  \*
MAP Score: 17.0537

Motif 22
GGCAGAGCCGGGAGGCAGCG 0 33 0
AGTCCAGGGTCCCTGCCCGC 0 64 1
GCTGCTGCCCGCTCGGGGCC 0 183 1
ATAGGCGCTGGGGGGGCCCG 0 204 0
CCTGCACGCACAGGTCCTCA 0 249 0
GGGAGTGGTACACAGGCAGG 0 288 0
CCTGCTGGTTCCCCCCGAGC 0 335 1
CGTGGAGGATGCCAGCACCC 0 366 1
GGCACTTCTCCAGCCCAAAC 0 426 0
CCAGGACTGGCAGGTCAAGG 0 483 0
CACTGCGGTGCTGGGCAAAG 0 510 0
GGAGGCGCCCACTCACCAGG 0 531 0
CCTTGAGACTGAGGCCCACG 0 552 0
GGCTGAGACACTCACCCTGC 0 573 0
GGGCCAGGTCCAACACGGCC 0 594 0
GATGGCGCGAGAGCAGGCCC 0 615 1
GGGAGAGCTGCTGAAGACTG 0 642 1
CCTACCCCCAAGCCTGCGCG 0 678 1
GGAGGACGGTGCGCAGAGCC 0 740 1
CAGGCGGCCACGCGGCGCAG 0 760 0
GCGAGTGCCGGTCTGCCTGG 0 780 0
CATGGACCTGGAGCGGCTGG 0 816 1
GTCTCGGCGGCCCCGGCTGG 0 838 0
GGGCCCCAGGGAGGCCCACG 0 864 0
CCCAGCCCGTCGTGGCCACC 0 886 0
CCGTCACCAGCCACGCGGAG 0 910 0
AGAAGGGCTGGAGGACCTCC 0 957 0
CAAGCAGGCCCCGCGCGTTG 0 1008 1
CCCGGCCGGAGAGCACCGCC 0 1029 1
CCCAGGGCTGCCCGAGGCTC 0 1095 1
CCACGAGCGCCACGAACGAC 0 1116 0
GGGAGTCCGTGGTCAGCCGG 0 1146 0
CAAGGAGGTGGCACCGCCGA 0 1179 1
GCTGCTGGAGGAAGTGGCCG 0 1200 1
GCCAGGACGTGAGCCCCCAG 0 1271 0
AGCTGTCAAAGTCCTGGGGG 0 1311 0
CAAGGGGGTTCTGGACACAG 0 1344 0
GGCTGCGCCGGATGAGGCAG 0 1380 0
CTGCTGGGATGGGGGGCTGC 0 1467 1
GTCACTGCCACCCCATCTAC 0 1489 0
GGTCCAGAGAGGTCACAGCC 0 1560 1
CCTGGAGTGGCATGAGAACC 0 1659 1
GGTGGTGGATGGGGAGGCCC 0 1725 1
CCTTCAGCAGCACCTCTGTC 0 1749 0
GATGCCGGTACGACACTTGG 0 1830 0
ACACGCCGTGGAGCAGCACG 0 1851 0
GCTGGCACCAGGTGGCCACG 0 1942 0
CCACCTGCAGCTTCCAGCTG 0 1962 0
AGTTGAGGGCGTAGGCCAGC 0 1989 0
GGGGCAGGCCTTTGTCCTCC 0 2013 0
CTCTGCCCGGAAGGTGCTCC 0 2043 1
CCATCAGCCCCCTCCCGAGC 0 2065 0
GAGTGACCCTGGGGTCAGCC 0 2106 1
GGATCCCCTGGGTGGCCCCC 0 2159 1
TCTCCGGGAGGCGCAGACAC 0 2184 1
CCGTGGCGCCGAAGCCCCAC 0 2223 0
GCAGCTGCTGCCGGTCCTCA 0 2313 0
GACAGAGCTGGCCCTGCTGA 0 2346 1
CTATGAGCCGGTCCAGAGGC 0 2382 1
GCCAGGGCACCAGGTGTGGG 0 2470 0
CGAAGATCGTGGGGTCTTGG 0 2532 0
CAAAGTTGCCCTTGCCCAGC 0 2580 0
GGTGGCCGTGAAACAGCTGC 0 2652 1
GCACAGCGGGCCAGACCAGC 0 2673 1
CTATGGCCCGGGCCGCCAGA 0 2769 1
ACTCCATGACCAGCCGCAGG 0 2790 0
CCAGCGGCTGCTTGCGCGAC 0 2816 1
GCGCGCGGTGCCGCTGCAGG 0 2838 0
GAAGGAGGCGGCTGGCATCG 0 2862 0
CCATGCCCTTGCAGATCTGC 0 2892 0
CGCAGCGGCGGGAGCCCAGG 0 2916 0
GGGCGGCCAGGTCGCGGTGC 0 2937 0
GCTGCTGCCGCTTGACAAAG 0 3015 1
CTGGCTCGCGGACCACGTAG 0 3039 0
GAGAGAAGATGTTGTCCGAG 0 3096 0
CGTACAGGACGACCCCGAAG 0 3135 0
GCTGCAGCCCCTCGGCCGAG 0 3179 1
GGGACATCCCGCTCACATCC 0 3214 0
CCAAGAGGCGGCAGAGGGCG 0 3234 0
GCTGGAGGAGGGCCAGAGGC 0 3258 1
GCCGGCGCCTCCTGCCTGCC 0 3279 1
AGCACAGCTTCATGAGCTCG 0 3312 0
CCCTAGCCCACAGGACCGGC 0 3336 1
CATTCAGCGCCCTGGGCCCC 0 3359 1
CCCCCGGCTTCCGCTCCACA 0 3392 0
CTTAGGCCCGGAGCTGCCCC 0 3525 1
GCCACGGGAGCCCCCCCAAA 0 3607 0
CTTTGGGCCAGGACTCAGAG 0 3698 0
CAGGGGGCCAGGGCTTAAGG 0 3759 0
AGCAGAGGTTGCACTGAGCC 0 3884 0
GATTCTCCTGCCTCAGCCTC 0 3918 1
TTAGCCGGGTGTGGTGGTGC 0 3962 0
GCATGAGCCACTGCACCCAG 0 4094 1
GGCGGAGCTTGCAGTGAGCC 0 4368 0
GCGAGAGAATGGTGTGAACC 0 4393 0
GTCCCAGCTACTTGGGAGGC 0 4417 0
GCGCCCGCCACCACACCCGG 0 4442 1
GAGACGGGCAGATCACGAGG 0 4530 0
GCATGAGCCACTGCGCCCGG 0 4576 1
CAAAGAGATACACGGGCTCC 0 4706 0
GGCTGGGGTCCCAGTCCACC 0 4749 1
GAGTGGGGCTGGAGGGAAGG 0 5279 0
GACACTTCCCCAGCCCCAGG 0 5303 0
CTTGGGGGCTGGGCTGAGGC 0 5356 1
\*   \* \*\*  \*  \* \*\* \*\*
MAP Score: 9.60446

Motif 23
GAAAGTCCCACTCGGCTCCTTCCTGTG 0 2 0
GGGCGGGCAGAGCCGGGAGGCAGCGAG 0 31 0
CAACTTGCCTAGCGGGCAGGGACCCTG 0 68 0
GCAGCACATGCAGGGCACCAGCCTCCG 0 161 0
GGGGGGGCCCGGGGCCCCGAGCGGGCA 0 188 0
GCACAGGTCCTCAGCCAAGTGGTCCCC 0 235 0
CAGGATGCCGCTGGCCTTGGCAGCCTG 0 265 0
GGCCAGAGCAAAGAGGGAGTGGTACAC 0 295 0
GGAGGACCTGTCCTGCTGGTTCCCCCC 0 324 1
CCCGAAGCGGTGGCACTTCTCCAGCCC 0 430 0
GCTATCCTTGACCTGCCAGTCCTGGAG 0 478 1
GTCACTGCGGTGCTGGGCAAAGAGGTG 0 505 0
GCCCACGGGGAGGCGCCCACTCACCAG 0 532 0
GTCCAACACGGCCAGGCTGAGACACTC 0 580 0
CTGGCCCGGATGGCGCGAGAGCAGGCC 0 607 1
CGGCCGGGAGAGCTGCTGAAGACTGTC 0 637 1
CGCGCAGGCTTGGGGGTAGGCAGGCCT 0 671 0
CGTCACGAAGCTCAGGCCCTGGATCAG 0 700 0
GCTCTGCGCACCGTCCTCCGAATACGC 0 732 0
CCTGCGCCGCGTGGCCGCCTGCCAGGC 0 759 1
GTACTTGGCCATGAGCGAGTGCCGGTC 0 787 0
GACCTGGAGCGGCTGGATCCAGCCGGG 0 820 1
GAGGCCCACGTGGAAGGTCTCGGCGGC 0 847 0
GCCCGTCGTGGCCACCAAGGGCCCCAG 0 875 0
GGGCTGCTCCGCGTGGCTGGTGACGGC 0 904 1
GGACCTCCTGTTCTCCCTGGGTCCAGG 0 938 0
GCGCGGGGCCTGCTTGATGCTAATGTC 0 997 0
GGCCCGGCCGGAGAGCACCGCCTGGTC 0 1027 1
CTCGGGCAGCCCTGGGAACTCGGCCTC 0 1084 0
GTCCACGAGCGCCACGAACGACAGAGC 0 1111 0
GGAGTCCGTGGTCAGCCGGAAGTAGCC 0 1138 0
CTTCTTCTGCAAGGAGGTGGCACCGCC 0 1170 1
CTGGAGGAAGTGGCCGAGCAGTGCCAC 0 1204 1
GCCCCCAGTCTTGAGCTTGTTGATGGC 0 1252 0
GTCAAAGTCCTGGGGGCTGCGGCGGAG 0 1300 0
GGGCTGCCTCATCCGGCGCAGCCCCAC 0 1377 1
GCTCCTGGCAACCTGCTGGGATGGGGG 0 1455 1
CTGCACGTAGATGGGGTGGCAGTGACC 0 1483 1
GTCCAACCTGATCGTGGTCCAGAGAGG 0 1545 1
GTTCTCATGCCACTCCAGGCTGTCAGC 0 1651 0
GCCCCGGTAAATCTTGGTGAAGGACCC 0 1687 0
TGTCGCCATGAGGTGGTGGATGGGGAG 0 1714 1
CATGACCTTCAGCAGCACCTCTGTCTT 0 1747 0
TGCCAAGCACAAGAACTGCATGGAGTC 0 1776 1
GTACGACACTTGGCTCATCAAGCTCGC 0 1816 0
CGGCATCTCGTGCTGCTCCACGGCGTG 0 1843 1
GTGCAGGAATTTGTACACCTGGGGGCC 0 1894 1
CGAAAACGTGGCCACCTGGTGCCAGCC 0 1936 1
CTGGAAGCTGCAGGTGGTCAAACAGCT 0 1965 1
GCCCTCAACTATCTGGAGGACAAAGGC 0 1999 1
CCTCCCGAGCCAGGAGCACCTTCCGGG 0 2048 0
CTTGATGAAGGGCGGGCTCCCATCAGC 0 2077 0
GGTGAGCATCTCCAGGCTTAACACAGC 0 2128 0
CTCGGGGGCCACCCAGGGGATCCTGTC 0 2155 0
GACCGTGGCGCCGAAGCCCCACTTGTC 0 2218 0
GATGGGCATGGTGACGCCACTAAACAC 0 2251 0
TATGAGGACCGGCAGCAGCTGCCGGCC 0 2311 1
CAAGTGGACAGAGCTGGCCCTGCTGAT 0 2340 1
GCCGGTCCAGAGGCCCTCCTTCCGAGC 0 2388 1
GATGAGGCTATTGAGGTCACGAATGAC 0 2416 0
CAGACCCCACACCTGGTGCCCTGGCAC 0 2465 1
GATCGTGGGGTCTTGGCAGGCATAGAG 0 2521 0
CGAGGAGAGACACCTCAAGTACATCTC 0 2550 1
GCTGCCAAAGTTGCCCTTGCCCAGCTG 0 2578 0
GCAGCTGTTTCACGGCCACCAGGGCAC 0 2645 0
CTGAAAGTCCCTCTGCTGGTCTGGCCC 0 2680 0
GCTCTGGCGGCCCGGGCCATAGCTGAC 0 2764 0
GGGCAGGTACTCCATGACCAGCCGCAG 0 2791 0
CTGCAGGAAGTCGCGCAAGCAGCCGCT 0 2818 0
GCTGGCATCGAGGCGCGCGCGGTGCCG 0 2845 0
GCCCTTGCAGATCTGCGAGGAATAGAG 0 2881 0
GCGGTGCACGCAGCGGCGGGAGCCCAG 0 2917 0
CACGAGGATGTTTCGGGCGGCCAGGTC 0 2944 0
GAAGTCAGCGATCTTGACGTGTGCCTC 0 2977 0
GGCCTAGCTAAGCTGCTGCCGCTTGAC 0 3004 1
GGTCCGCGAGCCAGGCCAGAGCCCCAT 0 3045 1
GATGTTGTCCGAGAGGGATTCGGGGGC 0 3082 0
GACCCCGAAGCTCCAGACGTCTGACTG 0 3118 0
GCAGTAGGTGAAGAGCTCGTACAGGAC 0 3145 0
CTCGGCCGAGGGGCTGCAGCTTTTGTC 0 3172 0
GGCAGAGGGCGGGGACATCCCGCTCAC 0 3218 0
GGCCCTCCTCCAGCAGTTCCAAGAGGC 0 3245 0
GGGCAGGCAGGAGGCGCCGGCAGCCTC 0 3273 0
GCTGAGGTTCACGAGCTCATGAAGCTG 0 3301 1
GCCCACAGGACCGGCCATCATTCAGCG 0 3341 1
CCTGGGCCCCCAGCTGGACATGCTGTG 0 3369 1
GAGGGGCAGCTCCGGGCCTAAGGTCAC 0 3520 0
CCTGAAGTAGAGGACCCTCATAAGGCC 0 3560 0
GACATTGCATTTGGGGGGGCTCCCGTG 0 3598 1
CCAGGACTCAGAGAGCCCCACTGACAC 0 3684 0
CAGCTACTCGGGAGGCTGAGGCAGGAG 0 3922 0
CACCATGATGGCCAGGCTGATCTCGAA 0 4012 1
GACCAGCCTGGGCAACGTAGCAAGATC 0 4158 0
GCCTGGGCGACAGAGCGAGACTCCGTC 0 4319 0
GAGCTTGCAGTGAGCCTAGATTGCGCC 0 4357 0
GCGCCTGTAGTCCCAGCTACTTGGGAG 0 4419 0
CATCCTGGCTAACAAGGTGAAACCCCG 0 4488 0
CCAGCACTTTGGGAGGCCGAGACGGGC 0 4541 0
AGGCATGAGCCACTGCGCCCGGCCCTC 0 4574 1
GCAACTGCTCTTGTCCTTGGCTTCCTC 0 4654 0
GGGCTCCCCTAAAAGGCAGAGTCCCAG 0 4686 0
CCTGCCCCCTTTCAGGATCCCAAAGAG 0 4719 0
GGTCCCATTGGACAGGTGGGAAAACTG 0 4797 0
GAACAGCATGCCAAGCGTGAGAAGGCT 0 4923 1
GAGGGAAAGGAACTTGCCCACTGTCAC 0 5011 0
CAGGTTAAGCTTCTGCTGCTCCTCCTC 0 5131 1
GCTACAGTAGTAGTGGGGGTATATGAG 0 5247 0
GGCCAGAGTGGGGCTGGAGGGAAGGAC 0 5277 0
GGTCAGGGGAGACAGCTGGACACAGAC 0 5320 0
\*  \*  \*  \*  \* \*\*  \*     \* \*
MAP Score: 6.06369

Motif 24
GGAGCCGAGTGGGACTTTCCTCTCG 0 10 1
TGCCTCCCGGCTCTGCCCGCCCTTC 0 36 1
GAAGAGACGCCCCTGATCCCTCAGC 0 115 1
GAGGCTGGTGCCCTGCATGTGCTGC 0 163 1
GGGGGGCCCGGGGCCCCGAGCGGGC 0 189 0
CAGCCTGCACGCACAGGTCCTCAGC 0 247 0
CAGCGGCATCCTGCCTGTGTACCAC 0 279 1
GTCCTCCGTGGCCAGAGCAAAGAGG 0 306 0
GTGGCTCGGGGGGAACCAGCAGGAC 0 333 0
CTTCTCCGTGGAGGATGCCAGCACC 0 360 1
GTTTGGGCTGGAGAAGTGCCACCGC 0 426 1
GGTGCTCCAGGACTGGCAGGTCAAG 0 484 0
CAGTGACCTGGTGAGTGGGCGCCTC 0 525 1
CCTGCTCCTTGAGACTGAGGCCCAC 0 553 0
CAGCCTGGCCGTGTTGGACCTGGCC 0 588 1
GGCGCGAGAGCAGGCCCAGCGGCCG 0 618 1
GGCCTTGTAGCTGACAGTCTTCAGC 0 651 0
AAGCCTGCGCGACCTGATCCAGGGC 0 687 1
TGACGCGGAGGCGTATTCGGAGGAC 0 722 1
CACGCGGCGCAGGGCTCTGCGCACC 0 747 0
CCGGCACTCGCTCATGGCCAAGTAC 0 789 1
GACCTGGAGCGGCTGGATCCAGCCG 0 820 1
GGCCGCCGAGACCTTCCACGTGGGC 0 846 1
CGTCGTGGCCACCAAGGGCCCCAGG 0 874 0
CACCAGCCACGCGGAGCAGCCCCAG 0 901 0
CGGCGGCATCGCCTGGACCCAGGGA 0 927 1
GTCGCAGAAGGGCTGGAGGACCTCC 0 957 0
CATCAAGCAGGCCCCGCGCGTTGGC 0 1005 1
CAGTGACCAGGCGGTGCTCTCCGGC 0 1033 0
ATTTTAGAGGCCGAGTTCCCAGGGC 0 1078 1
GCCCGAGGCTCTGTCGTTCGTGGCG 0 1104 1
CGTGGTCAGCCGGAAGTAGCCGTCC 0 1134 0
CTTCTGCAAGGAGGTGGCACCGCCG 0 1173 1
GCTGCTGGAGGAAGTGGCCGAGCAG 0 1200 1
CATCACTCTGGACTTTGCCATCAAC 0 1236 1
CTGGGGGCTCACGTCCTGGCTCCTA 0 1271 1
CCAGGACTTTGACAGCTTCCTCCTC 0 1314 1
CAGGACCAAGGGGGTTCTGGACACA 0 1345 0
GGGGCTGCGCCGGATGAGGCAGCCC 0 1377 0
CTTCTGGTTGGCCTCAGCCGACCCC 0 1414 1
CTGCTGGGATGGGGGGCTGCACGTA 0 1467 1
TCACTTCCTGCTGTATCCCCAGACC 0 1511 1
GATCGTGGTCCAGAGAGGTCACAGC 0 1554 1
GCTGGTATTGGGATTGGGGCTGAAC 0 1597 0
CCACTCCAGGCTGTCAGCAGGGATC 0 1644 0
CCTGGGCCATGGGTCCTTCACCAAG 0 1677 1
CCACCTCATGGCGACAGCCCCGGTA 0 1705 0
GATGGGGAGGCCCGAAAGACAGAGG 0 1732 1
GCTGCTGAAGGTCATGGATGCCAAG 0 1758 1
GAACTGCATGGAGTCATTCCTGGAA 0 1788 1
GAGCTTGATGAGCCAAGTGTCGTAC 0 1818 1
CGCCGTGGAGCAGCACGAGATGCCG 0 1843 0
CACCATGGTGCTGTCTCCAGCCATG 0 1872 0
AGCTGGCTGGCACCAGGTGGCCACG 0 1942 0
GCTGCAGGTGGTCAAACAGCTGGCC 0 1971 1
CTATCTGGAGGACAAAGGCCTGCCC 0 2007 1
GAGCCAGGAGCACCTTCCGGGCAGA 0 2044 0
GAAGGGCGGGCTCCCATCAGCCCCC 0 2073 0
CAGCCCCGCTGTGTTAAGCCTGGAG 0 2121 1
CACCCAGGGGATCCTGTCGGTGAGC 0 2148 0
GCCCCCGAGTGTCTCCGGGAGGCGC 0 2173 1
GACCGTGGCGCCGAAGCCCCACTTG 0 2220 0
CGTCACCATGCCCATCAGTGCCCTG 0 2262 1
CCGGCAGCTGCTGCCGGTCCTCATA 0 2311 0
CAGCAGGGCCAGCTCTGTCCACTTG 0 2340 0
ACAGTGCATGGCCTATGAGCCGGTC 0 2370 1
GAGCTCCTCTCAGACCCCACACCTG 0 2455 1
GGTCTTGGCAGGCATAGAGCTGGGC 0 2515 0
CACGATCTTCGAGGAGAGACACCTC 0 2541 1
CATCTCACAGCTGGGCAAGGGCAAC 0 2571 1
GTGGAGCTGTGCCGCTATGACCCGC 0 2605 1
GCCCTGGTGGCCGTGAAACAGCTGC 0 2647 1
GCACAGCGGGCCAGACCAGCAGAGG 0 2673 1
ATCGTGGTGTCAGCTATGGCCCGGG 0 2756 1
CATGACCAGCCGCAGGCTCTGGCGG 0 2781 0
GCGCAAGCAGCCGCTGGGCAGGTAC 0 2808 0
CTTCCTGCAGCGGCACCGCGCGCGC 0 2835 1
GTACTCCATGCCCTTGCAGATCTGC 0 2892 0
GGGCTCCCGCCGCTGCGTGCACCGC 0 2919 1
CCTGGCCGCCCGAAACATCCTCGTG 0 2946 1
GGCCTAGCTAAGCTGCTGCCGCTTG 0 3004 1
AGACTACTACGTGGTCCGCGAGCCA 0 3033 1
CTGGAGCTTCGGGGTCGTCCTGTAC 0 3129 1
GCTTTTGTCGCAGTAGGTGAAGAGC 0 3156 0
CAGCCCCTCGGCCGAGTTCCTGCGG 0 3183 1
GGATGTGAGCGGGATGTCCCCGCCC 0 3214 1
CCTCCTCCAGCAGTTCCAAGAGGCG 0 3244 0
GAGGCTGCCGGCGCCTCCTGCCTGC 0 3273 1
GGTTCACGAGCTCATGAAGCTGTGC 0 3306 1
GCCCAGGGCGCTGAATGATGGCCGG 0 3351 0
CATGCTGTGGAGCGGAAGCCGGGGG 0 3387 1
AGTGGTGTTTGCCCTCTGGGTGAGC 0 3433 0
ATAGCTCCTGCCCGCAGACCTCTGG 0 3471 1
GGCCCAGAGAGGGGCAGCTCCGGGC 0 3530 0
TATGAGGGTCCTCTACTTCAGGAAC 0 3565 1
CAGGGGGCCAGGGCTTAAGGGGTTG 0 3754 0
GAGCCTCGCTCTGTTACCCAGGGTG 0 3839 1
GCAGAGGTTGCACTGAGCCGAGATC 0 3878 0
GCAGGAGAATCGCTTGAACCTGGGA 0 3904 0
GATCAGCCTGGCCATCATGGTGAAA 0 4009 0
GGAGTTCAAGACCAGCCTGGGCAAC 0 4169 0
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CTACTTGGGAGGCTGAGGCGAGAGA 0 4405 0
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GCTTGGCATGCTGTTCCCTCTGCCA 0 4914 0
CCCTCTCTGGGTCTCAGTTCTGTCC 0 5033 1
GGTTAAGCTTCTGCTGCTCCTCCTC 0 5133 1
GTGGTAGCTGGAGTTTTGAGAGATG 0 5206 0
GTGGGGCTGGAGGGAAGGACAGGGC 0 5272 0
CTGTGTCCAGCTGTCTCCCCTGACC 0 5322 1
GGGTTCCTTGGGGGCTGGGCTGAGG 0 5350 1
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MAP Score: 3.01779

Motif 25
GAAGGGCGGGCAGAGCCGGGAGGCAGC 0 34 0
CTTGCCTAGCGGGCAGGGACCCTGGAC 0 65 0
GGCGTCTCTTCACTTGGAGGTGCCATG 0 99 0
GCACATGCAGGGCACCAGCCTCCGTGG 0 158 0
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CAGGTCCTCAGCCAAGTGGTCCCCAAA 0 232 0
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CAGAGCAAAGAGGGAGTGGTACACAGG 0 292 0
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GAAGCGGTGGCACTTCTCCAGCCCAAA 0 427 0
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CAGGTCCATGATGTACTTGGCCATGAG 0 799 0
GAGCGGCTGGATCCAGCCGGGGCCGCC 0 826 1
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GTGGCTGGTGACGGCGGCATCGCCTGG 0 916 1
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CGGGGCCTGCTTGATGCTAATGTCTAC 0 994 0
CGCGTTGGCCCGGCCGGAGAGCACCGC 0 1021 1
CTCGGGCAGCCCTGGGAACTCGGCCTC 0 1084 0
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CAGATAGTTGAGGGCGTAGGCCAGCTG 0 1987 0
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CATGCCTTCACTGCTCACCCAGAGGGC 0 3421 1
GCCCGCAGACCTCTGGATTAGGTCTCT 0 3480 1
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CTCGGCTCAGTGCAACCTCTGCTTCCC 0 3881 1
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GGCCAGAGTGGGGCTGGAGGGAAGGAC 0 5277 0
GGGGAGACAGCTGGACACAGACACTTC 0 5315 0
CAGCCCAGCCCCCAAGGAACCCTGAGG 0 5345 0
\*  \* \*   \*  \*  \*  \*  \* \*  \*
MAP Score: 2.9622