## AliBaba2.1 predicts the following sites in your sequence

Sequence NC\_000008.11141390000-141392021Homosapienschromosome8GRCh38.p14PrimaryAssembly

```
ccttgtcctcttaggctcaggtgatcctcccacctcaatctccaagctgggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactataggactaggactataggactataggactataggactataggactagactagactagactaggactagactagactaggactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactagactag
Seaments:
                                      16
                                                     25
                                    21
                                                     30
                                                     33
                                     24
                                    24
                                                     36
                                    33
                                                     42
 _______
seq( 60.. 119)
                                                                        gcatgccaccatgactggctaattttttattttttgtagagatagggtcccactatgtta
Segments:
                                                     73
                                    67
                                                     76
                                     73
                                    74
                                                     83
                                    74
                                                     83
                                     78
                                                      92
                                    79
                                                     88
                                     80
                                                     89
                                    82
                                                     91
                                    82
                                                     91
                                    82
                                                     93
                                    85
                                                     94
                                     85
                                     97
                                                      106
                                      101
                                                    110
                                     113
                                                     122
seq( 120.. 179)
                                                                           \verb|cctaggctggtcttgaattcctaggctcaagtgatcctcccgcctcagcctcccaaattg|
Segments:
                                      113 122
                                      123
                                                     132
                                      149
                                                     158
                                      154
                                                     165
                                      158
                                                     167
                                      161
                                                     171
                                      168
                                                     177
                                      171
                                                      180
                                      178
                                                      187
                                     178 187
                                                                         ctgggattatagtgtgagtcactgtgcccggccttaagctaaacatttaaaaaataagaa
Segments:
                                      171 180
                                      178 187
                                     178 187
                                      180
                                                      189
                                      186
                                                     195
                                      191
                                                     203
                                      192
                                                                                                                    =RAR-alph=
                                                     201
                                      193
                                                    202
                                     193
                                                    202
                                      194
                                                     203
                                      199
                                                    208
                                      199
                                                     208
                                    213
                                                    222
                                    219
                                                    228
                                                     228
                                                    228
                                    219
                                    225
                                                    236
                                     226
                                                     235
                                    227
                                                    236
                                    227
                                                    236
                                                    236
```

```
seg( 240..
                                     299)
                                                                 ttaaaatgcagccacagtgaaacgggaaggggctgcttttacaggtgctgaacttcccgg
Segments:
                                              242
 3.1.2
                                240
                                              249
                               244
                                              253
                                              255
                                 246
                                252 261
                                256
                                              272
                                 263
                                281
                                              290
                                 287
                                                                                                                                                                                                           =RAR-alph=
                                287
                                              296
                               299 308
seq( 300.. 359)
                                                               caatagaagcatttaatgggaggttccctttttcctaggacctcaaagctggagtaccag
Segments:
                                316 325
                                325 334
                                 325
                                              334
                                                                                                                                           ====Kr===
                                326
                                              335
                                 336
                                              347
                                338 347
seq( 360.. 419)
                                                                ggatgttgccttgaccttcccatgtgtggatttctgcttgaacacaccaagtacaggaca
Segments:
                                 365
                                              374
                                 367
                                              380
                                370
                                              379
                               378
                                              389
                                379
                                391
                                              400
                                394
                                              403
                                 395
                                               404
                                400
                                              409
                                410 423
seg( 420.. 479)
                                                                 \verb|ccctg| tttagcagctaaacgtgggaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagctttactcccaacttgctgggcaattgcaccagcttactcccaacttgctgggcaattgcaccagcttactcccaacttgctgggcaattgcaccagcttactcccaacttgctgggcaattgcaccagcttactcccaacttgctgggcaattgcaccagcttactcccaacttgctgggcaattgcaccagcttactcccaacttgctgggcaattgcaccagcttactcccaacttgctgggcaattgcaccagcttactcccaacttgctgggcaattgcaccagcttactcccaacttgctgggcaattgcaccagcttactcccaacttgctgggcaattgcaccagcttactcccaacttgctgggcaattgcaccagcttactcccaacttgctgggcaattgcaccagcttactgcaccagcttactactcccaacttgctgggcacattactcccaacttactactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttactcccaacttact
Segments:
                                410 423
                                435
                                              444
                                439
                                444
                                              453
                                444
                                              453
                                 446
                                               455
                               453
                                              462
                                469
                                 470 479
                                472 481
                                                                                                                                                                                                                          ====Kr=
                               477 486
seq( 480.. 539)
                                                              cttcgggagttgctgaccttctctgtgtctcatcagcaaaacagggagaacactagctct
Segments:
                                469 481
                                                                a=
                               472 481
                                477
                                               486
                                489
                                              501
                                492 501
                                495
                                 496
                                              505
                                503
                                              512
                                 508
                                508
                                              517
                                 509
                                              518
                                 509
                                              519
                                517
                                              526
                                518
                                              527
                                 525
                                              534
                                539 548
                                    599)
                                                                 \verb|ccc|| a catgggctgtgtgaggaccaaatgagctgaggagcccagatttgaacccgggtct||
Segments:
                                              548
                                 544
                                             553
                                 548
                                              557
```

```
553
                  562
            560
                  569
            561
                  570
            565
                  574
            569
                  579
            571
                  584
            592
                  601
                         seq( 600.. 659)
Segments:
2.3.1
             592
                  601
2.1.1
             607
                  616
9.9.173
            612
                  621
2.3.3
2.3.1
            619
                  628
            621
                  634
                                                    =AP-<u>2alph=</u>
            623
                  632
            624
                  633
            625
                  634
            629
                  638
            629
                  638
            631
                  640
            631
                  640
            639
                  648
                  651
            642
            644
                  653
            649
                  658
            653
                  662
2.3.1
            653
                  662
                                                                                       ====YY1
            659
                  668
seq( 660.. 719)
                         caccat cagct tgcccacct gtccaggat ttgcacgcacct gctcggtgccagat gctgg\\
Segments:
             653 662
2.1.1
2.3.1
2.1.1
2.3.2
1.1.3
1.2.2
1.1.3
3.5.2
2.1.2
9.9.839
2.1.1
2.1.2
1.2.2
2.3.1
                         ≣
            653
                  662
            659
                  668
            668
                  677
            670 679
            675
                  684
            681
                  690
            683
                  692
            694
                  703
            694
                  703
                                                                 ====T3R===
                  715
            706
            709
                  718
            710
                  719
             712
                  721
2.3.1
            718
                  727
            719
                  728
_____
seq( 720.. 779)
                         gcactggggacaaaccaggtgaggtgtggaccgtgacctgtgttgtcactgattggggga
Segments: 2.3.1
2.3.1
1.1.3
2.1.1
1.1.3
2.1.1
2.1.2
2.3.1
1.3.1
2.1.1
2.1.1
2.1.2
2.3.1
1.3.1
2.1.1
1.1.1
9.9.721
2.3.2
1.3.1
2.3.2
1.3.1
2.3.4
4.1.1
9.9.588
             712 721
            718 727
                         ==Sp1===
            719 728
                         C/EBPalp=
            724 733
            729
                  738
                                    =C/EBPalp=
            734
                  743
            735
                  744
            739
                  748
            745
                  754
            749
                  759
            750
                  759
                                                            =ATF-3del=
            750
                  759
             750
                  761
            751
                  764
            759
                  768
            760
                  769
                                                                        ====ADR1==
            760
                  769
                                                                        ===Zeste==
            775
                  784
            775
                  784
            775
                  784
            775
                  784
            775
                  784
             777
                  786
             778
                  787
            779
                  788
```

```
seq( 780.
            839)
                     Segments:
2.3.4
           775 784
          775 784
4.1.1
                      Rel==
9.9.213
                      P-1==
          775
               784
           775
               784
                      <u>appaB</u>
9.9.590
          775
               784
                      appaB
           777
               786
                      =TBP===
           778
               787
                      ==Sp1===
9.9.32
9.9.539
          779
               788
                      ===AP-1==
          780
                789
                      ====NF-1=
9.9.29
                        ====AP-1==
          783
               792
          786
               795
           800
               809
          804 813
          814
               823
           815
               826
          822
               831
           823
           830
               839
           839
               848
seq( 840..
            899)
                     ctctcagaggcggcagctgatggggaccatgcaatgggaaggatggaggccctggga
Segments:
           839
               848
2.3.1
          846
               855
          848
               857
                              ===Adf-1==
           852
               861
               861
          852
          852
               861
           853
                862
          853
                862
                                   =CPE_bind=
          854
                863
          855
                864
           858
                867
          869
           870
               879
                                                    =T3R-alpha
1.1.1
           873
               882
                                                       ==CRE-BP1=
9.9.173
          874
               883
           887
               896
seq( 900..
            959)
                      tagtctgcggtgaacttccaggcagaaggaacagcaggtgcaaaggcctttagctgggaa
Segments:
           901 910
           908
               917
          910
               919
          919 928
           928
               937
2.3.1
           952
               961
           955
          955
               964
3.5.1
          956
seq( 960.. 1019)
                     ggaaactctgggttggaggaatagcttgcaggcgctctgagagaggctggcagccaggtg
Segments:
          952
               961
                      -2a==
          955
               964
          955 964
                      U. 1==
           956
               965
                      -Myb==
          962
               971
                        ====MIG1==
                                          =<u>C/EBPalp=</u>
          980
               989
          991
                1000
          994
               1003
2.2.1
3.5.2
2.3.1
9.9.539
9.9.1298
2.1.1
           994
               1003
           1001 1010
           1004 1013
           1006 1015
           1007 1016
           1014 1023
           1014 1023
2.3.1
           1016 1025
3.5.1
           1016 1025
           1016 1025
seq( 1020.. 1079)
                     gcagggaggcagcccagtcaggtggtcttgggacagtttagggtctctggccttcaccag
```

```
Seaments:
            1014 1023
            1014 1023
                       lph=
            1016 1025
                       Sp 1===
            1016 1025
                       df-1==
                       CC-bi=
            1016 1025
            1028 1037
            1035 1044
                                        ====AP-1==
            1035 1044
                                        ====AP-1==
            1037 1046
            1046 1055
            1059 1068
                                                                      =C/EBPalp=
            1064 1073
                                                                       ====TR2===
            1064 1073
3.1.1
            1069 1078
                                                                            ===HOYA/==
2.3.3
            1076 1085
                                                                                   =CPE
sea( 1080.. 1139)
                       tgaggtggtgtctggagacttttgcagacgaaggcagctctcactcccatcttcccgggg
Segments:
2.3.3
            1076 1085
9.9.29
            1084 1093
3.4.1
2.3.1
            1090 1099
            1092 1101
            1095 1104
            1096 1105
            1098 1107
           1101 1110
            1106 1115
            1126 1139
1.3.1
           1135 1144
seg( 1140.. 1199)
                       tccctctggctgctgagggtggatgggtggaaaagcatctttcagggaagtggaggcagg\\
Segments:
1.3.1
2.1.2
1.1.1
            1135 1144 SF===
            1142 1151
                         =HNF-4alp=
            1145 1154
           1145 1154
                             ====NF-1==
            1151 1160
            1156 1165
            1158 1167
            1160 1169
           1160 1169
            1164 1173
                                                 ===Zeste==
            1164 1173
            1168 1177
            1169 1178
            1176 1185
           1181 1190
            1185 1198
           1191 1200
            1197 1206
           1197 1206
seq( 1200.. 1259)
                       gctggagcagttgaacatctgactgggccaagggtccagggactggcatggaacagggct
Segments:
2.3.1
            1191 1200
            1197 1206
                      ==GR===
=Sp1===
            1197 1206
           1211 1220
                                   ====M | G 1==
            1212 1221
                                     ====MyoD==
            1213 1222
            1221 1230
            1222 1231
           1222 1233
            1225 1234
            1234 1243
            1236 1245
            1240 1249
            1249 1258
            1252 1261
            1256 1265
            1256 1268
seg( 1260.. 1319)
                       gggtgggtgaggccgcctgggagaccccagcttgcctctgtttccccctgtactggggcc\\
Segments:
2.1.1
            1252 1261 ==
```

```
1256 1265
                       -<u>Myc==</u>
                       ==Sp1====
2.3.1
            1256 1268
            1261 1270
                        ===c-Fos==
            1262 1271
                         ====Sp1===
                          ===H i NF -B=
            1262 1271
            1262 1271
                          =CACCC-bi=
            1264 1273
                            ==== I d3==
            1264 1273
                            ====USF===
            1273 1282
                                      ===LvF-1==
            1274 1283
            1275 1284
                                        ===01f-1==
            1278 1287
            1278 1287
1.6.1
2.1.1
            1279 1288
                                            =AP-2alph=
            1282 1291
            1282 1291
                                               ====T3R===
            1284 1293
                                                 =dioxin r=
            1284 1293
            1299 1308
            1300 1309
9.9.213
            1301 1310
            1308 1317
            1313 1322
1.2.2
            1316 1325
                                                                                   ==my
2.3.1
            1316 1325
seq( 1320.. 1379)
                      tcctgcgtgaaccagcactggtttttccagtaactggagccacaagcctccctaggaacg
Segments:
            1313 1322 ph=
1.2.2
            1316 1325
                       <u>ogenin</u>
                      <u>Sp1===</u>
            1316 1325
            1331 1340
            1336 1345
            1336 1345
                                         embrvo D=
            1338 1347
            1339 1348
            1346 1355
            1357 1366
1.1.1
            1379 1388
seq( 1380.. 1439)
                      gctgacccataagaggacgtcctcaaggtccccaagggctagaggctgagatgccgcctt
Segments:
            1379 1388
4.5.1
            1386 1395
            1388 1397
                                =C/EBPalp=
            1391 1404
1.6.1
                                       =AP-2alph=
            1395 1404
1.2.8
            1407 1416
            1409 1418
2.3.1
            1420 1429
9.9.30
            1421 1430
1.6.1
            1438 1447
seq( 1440.. 1499)
                       cgcctgggcggcctcgcagcctggaggcaggcggtggtgcagctcgggcaggccccgtc
Segments:
            1438 1447
1.6.1
                       P-2alph=
            1441 1450
                         ===N-Myc==
            1441 1455
            1445 1454
                             ====WT1===
            1463 1474
            1469 1478
                                                      ===E|k-1==
            1470 1479
            1486 1495
            1493 1502
2.3.2
            1493 1502
                                                                                ==Ttk 8
            1499 1513
seq( 1500.. 1559)
                       cacacgcctccccgctcttctgagcaccacgcgtcccgtgggctccctacccgtcctgat
Segments:
            1493 1502
2.3.2
            1493 1502
                      8K=
            1499 1513
            1505 1516
            1536 1545
            1546 1555
```

```
sea( 1560.. 1619)
                    aacacggcggtccgggggcctcgaagccggtctgaccccaagtacccgggccaggcggct
Segments:
          1568 1577
          1582 1591
                                          =c-Ets-1 =
          1597 1606
          1603 1612
          1605 1614
          1605 1616
          1607 1616
          1614 1623
          1616 1625
seq( 1620.. 1679)
                     gccgtcttgtcgcccagcccatcccctcagccagcccgcctggcggcacgggacctagc
Segments:
          1614 1623
3.5.1
2.3.1
2.3.2
          1616 1625
                     df-1==
          1624 1633
          1630 1639
          1630 1641
                               ====Sp1====
          1631 1640
          1631 1641
          1637 1647
          1640 1649
          1646 1660
          1652 1664
                                                    =====Sp1=
          1655 1664
                                                      ====E2F===
          1674 1683
sea( 1680.. 1739)
                    cccagtcgacttagggggaaactgagaactccagaagtttcgtgaactccctggcttcgt\\
Segments:
          1674 1683
          1682 1691
          1692 1701
          1697 1706
                                     ===v-Fos==
          1697 1706
                                               ====YY1===
          1707 1716
          1709 1720
                                                =HSE-bindin=
          1725 1734
seq( 1740.. 1799)
                    Segments:
          1742 1755
                       =====Sp1=====
          1744 1753
                         ====USF===
          1746 1755
          1750 1759
          1767 1776
                                               ====YY1===
          1782 1791
          1794 1806
          1797 1806
          1799 1808
seq( 1800.. 1859)
                    gccccaggccgacctggcctaggcgcccggcaggcacaggagccaaggtcagtccccgag
Segments:
          1794 1806 Sp1====
          1797 1806
                    E_bind=
          1799 1808
                     ===USF===
                    ===c-Myc==
=AP-2alph=
          1800 1809
          1800 1809
          1801 1810
                     ====Sp 1===
          1810 1819
          1815 1824
          1816 1825
          1818 1827
          1821 1830
          1821 1830
           1825 1834
          1841 1850
                                                            ==myogenin
          1841 1853
          1845 1854
                                                                =RAR-alph=
          1845 1854
          1850 1859
          1855 1869
seg( 1860.. 1919)
                    Segments:
2.3.1
           1855 1869 ==Sp1=====
```

```
1860 1869
                      ====WT1===
9.9.270
           1861 1870
                       ====FTF===
           1865 1874
                            ===c-Myb==
           1871 1880
           1874 1883
           1876 1890
           1878 1887
           1882 1891
           1883 1892
           1889 1898
           1890 1899
           1892 1905
           1902 1911
           1906 1919
           1908 1917
                                                                         ====WT 1===
1.6.1
           1911 1920
1.4.1
           1919 1928
seg( 1920.. 1979)
                      cgcgcggccgcggggggggggcgctcccattgggccgtgccccacgtgacccagcggg
Segments:
           1911 1920
           1919 1928 <u>NF-kappa=</u>
1.4.1
           1922 1931
           1929 1943
1.6.1
           1933 1942
                                    ====AP-2==
9.9.233
           1944 1953
           1948 1957
           1952 1961
           1960 1969
           1962 1971
           1963 1972
           1963 1972
           1965 1974
           1967 1976
           1967 1976
2.3.1
           1975 1986
seq( 1980.. 2039)
                      tccggcgcgccctaagccggtggagccgcggccgcgcctg
Segments:
           1975 1986 Sp1====
9.9.539
           1990 1999
           2000 2009
           2007 2016
           2008 2019
2.3.1
           2010 2019
                                                      ==Krox-20=
```

403 segments in this sequence identified as potential binding sites

403 segments in complete file identified as potential binding sites