```
                                                  10        20        30        40        50        60        70        80        90
                                                  agcgcccaatacgcaaaccgcctctccccgcgcgttggccgattcattaatgcagctggcacgacaggtttcccgactggaaagcgggcagt
G0241656-1.seq(1>3339)                            agcgcccaatacgcaaaccgcctctccccgcgcgttggccgattcattaatgcagctggcacgacaggtttcccgactggaaagcgggcagt

                                                 100       110       120       130       140       150       160       170       180
                                                  gagcgcaacgcaattaatgtgagttagctcactcattaggcaccccaggctttacactttatgcttccggctcgtatgttgtgtggaattgt
G0241656-1.seq(1>3339)                            gagcgcaacgcaattaatgtgagttagctcactcattaggcaccccaggctttacactttatgcttccggctcgtatgttgtgtggaattgt

                                                 190       200       210       220       230       240       250       260       270
                                                  gagcggataacaatttcacacaggaaACAGCTATGACCATGATTACGCCAAGCTTGCATGCCTGCAGGTCGACTCTAGAGGATCCCCGGGTA
G0241656-1.seq(1>3339)                            gagcggataacaatttcacacaggaaacagctatgaccatgattacgccaagcttgcatgcctgcaggtcgactctagaggatccccgggta
ZD02-E38153-G0241656-1_M13R-88.ab1(1>786)                                   ACAGCTATGACCATGATTACGCCAAGCTTGCATGCCTGCAGGTCGACTCTAGAGGATCCCCGGGTA

                                                 280       290       300       310       320       330       340       350       360
                                                  CCGGTAGAAAAAATGAGTAAAGGAGAAGAACTTTTCACTGGAGTTGTCCCAATTCTTGTTGAATTAGATGGTGATGTTAATGGGCACAAATT
G0241656-1.seq(1>3339)                            ccggtagaaaaaatgagtaaaggagaagaacttttcactggagttgtcccaattcttgttgaattagatggtgatgttaatgggcacaaatt
ZD02-E38153-G0241656-1_M13R-88.ab1(1>786)         CCGGTAGAAAAAATGAGTAAAGGAGAAGAACTTTTCACTGGAGTTGTCCCAATTCTTGTTGAATTAGATGGTGATGTTAATGGGCACAAATT

                                                 370       380       390       400       410       420       430       440       450       460
                                                  TTCTGTCAGTGGAGAGGGTGAAGGTGATGCAACATACGGAAAACTTACCCTTAAATTTATTTGCACTACTGGAAAACTACCTGTTCCATGGC
G0241656-1.seq(1>3339)                            ttctgtcagtggagagggtgaaggtgatgcaacatacggaaaacttacccttaaatttatttgcactactggaaaactacctgttccatggc
ZD02-E38153-G0241656-1_M13R-88.ab1(1>786)         TTCTGTCAGTGGAGAGGGTGAAGGTGATGCAACATACGGAAAACTTACCCTTAAATTTATTTGCACTACTGGAAAACTACCTGTTCCATGGC

                                                 470       480       490       500       510       520       530       540       550
                                                  CAACACTTGTCACTACTTTCTCTTATGGTGTTCAATGCTTTTCCCGTTATCCGGATCATATGAAACGGCATGACTTTTTCAAGAGTGCCATG
G0241656-1.seq(1>3339)                            caacacttgtcactactttctcttatggtgttcaatgcttttcccgttatccggatcatatgaaacggcatgactttttcaagagtgccatg
ZD02-E38153-G0241656-1_M13R-88.ab1(1>786)         CAACACTTGTCACTACTTTCTCTTATGGTGTTCAATGCTTTTCCCGTTATCCGGATCATATGAAACGGCATGACTTTTTCAAGAGTGCCATG

                                                 560       570       580       590       600       610       620       630       640
                                                  CCCGAAGGTTATGTACAGGAACGCACTATATCTTTCAAAGATGACGGGAACTACAAGACGCGTGCTGAAGTCAAGTTTGAAGGTGATACCCT
G0241656-1.seq(1>3339)                            cccgaaggttatgtacaggaacgcactatatctttcaaagatgacgggaactacaagacgcgtgctgaagtcaagtttgaaggtgataccct
ZD02-E38153-G0241656-1_M13R-88.ab1(1>786)         CCCGAAGGTTATGTACAGGAACGCACTATATCTTTCAAAGATGACGGGAACTACAAGACGCGTGCTGAAGTCAAGTTTGAAGGTGATACCCT

                                                 650       660       670       680       690       700       710       720       730
                                                  TGTTAATCGTATCGAGTTAAAAGGTATTGATTTTAAAGAAGATGGAAACATTCTCGGACACAAACTCGAGTACAACTATAACTCACACAATG
G0241656-1.seq(1>3339)                            tgttaatcgtatcgagttaaaaggtattgattttaaagaagatggaaacattctcggacacaaactcgagtacaactataactcacacaatg
ZD02-E38153-G0241656-1_M13R-88.ab1(1>786)         TGTTAATCGTATCGAGTTAAAAGGTATTGATTTTAAAGAAGATGGAAACATTCTCGGACACAAACTCGAGTACAACTATAACTCACACAATG

                                                 740       750       760       770       780       790       800       810       820
                                                  TATACATCACGGCAGACAAACAAAAGAATGGAATCAAAGCTAACTTCAAAATTCGCCACAACATTGAAGATGGATCCGTTCAACTAGCAGAC
G0241656-1.seq(1>3339)                            tatacatcacggcagacaaacaaaagaatggaatcaaagctaacttcaaaattcgccacaacattgaagatggatccgttcaactagcagac
ZD02-E38153-G0241656-1_M13R-88.ab1(1>786)         TATACATCACGGCAGACAAACAAAAGAATGGAATCAAAGCTAACTTCAAAATTCGCCACAACATTGAAGATGGATCCGTTCAACTAGCAGAC

                                                 830       840       850       860       870       880       890       900       910       920
                                                  CATTATCAACAAAATACTCCAATTGGCGATGGCCCTGTCCTTTTACCAGACAACCATTACCTGTCGACACAATCTGCCCTTTCGAAAGATCC
G0241656-1.seq(1>3339)                            cattatcaacaaaatactccaattggcgatggccctgtccttttaccagacaaccattacctgtcgacacaatctgccctttcgaaagatcc
ZD02-E38153-G0241656-1_M13R-88.ab1(1>786)         CATTATCAACAAAATACTCCAATTGGCGATGGCCCTGTCCTTTTACCAGACAACCATTACCTGTCGACACAATCTGCCCTTTCGAAAGATCC

                                                 930       940       950       960       970       980       990      1000      1010
                                                  CAACGAAAAGCGTGACCACATGGTCCTTCTTGAGTTTGTAACTGCTGCTGGGATTACACATGGCATGGATGAGCTCtacaaataatgaattc
G0241656-1.seq(1>3339)                            caacgaaaagcgtgaccacatggtccttcttgagtttgtaactgctgctgggattacacatggcatggatgagctctacaaataatgaattc
ZD02-E38153-G0241656-1_M13R-88.ab1(1>786)         CAACGAAAAGCGTGACCACATGGTCCTTCTTGAGTTTGTAACTGCTGCTGGGATTACACATGGCATGGATGAGCTC

                                                1020      1030      1040      1050      1060      1070      1080      1090      1100
                                                  caactgagcgccggtcgctaccattaccaacttgtctggtgtcaaaaataataggcctactagtcggccgtacgggccctttcgtctcgcgc
G0241656-1.seq(1>3339)                            caactgagcgccggtcgctaccattaccaacttgtctggtgtcaaaaataataggcctactagtcggccgtacgggccctttcgtctcgcgc

                                                1110      1120      1130      1140      1150      1160      1170      1180      1190
                                                  gtttcggtgatgacggtgaaaacctctgacacatgcagctcccggagacggtcacagcttgtctgtaagcggatgccgggagcagacaagcc
G0241656-1.seq(1>3339)                            gtttcggtgatgacggtgaaaacctctgacacatgcagctcccggagacggtcacagcttgtctgtaagcggatgccgggagcagacaagcc

                                                1200      1210      1220      1230      1240      1250      1260      1270      1280
                                                  cgtcagggcgcgtcagcgggtgttggcgggtgtcggggctggcttaactatgcggcatcagagcagattgtactgagagtgcaccatatgcg
G0241656-1.seq(1>3339)                            cgtcagggcgcgtcagcgggtgttggcgggtgtcggggctggcttaactatgcggcatcagagcagattgtactgagagtgcaccatatgcg

                                                1290      1300      1310      1320      1330      1340      1350      1360      1370      1380
                                                  gtgtgaaataccgcacagatgcgtaaggagaaaataccgcatcaggcggccttaagggcctcgtgatacgcctatttttataggttaatgtc
G0241656-1.seq(1>3339)                            gtgtgaaataccgcacagatgcgtaaggagaaaataccgcatcaggcggccttaagggcctcgtgatacgcctatttttataggttaatgtc
```

```
                                        1390      1400      1410      1420      1430      1440      1450      1460      1470
                                        atgataataatggtttcttagacgtcaggtggcacttttcggggaaatgtgcgcggaacccctatttgtttatttttctaaatacattcaaa
G0241656-1.seq(1>3339)                  atgataataatggtttcttagacgtcaggtggcacttttcggggaaatgtgcgcggaacccctatttgtttatttttctaaatacattcaaa

                                        1480      1490      1500      1510      1520      1530      1540      1550      1560
                                        tatgtatccgctcatgagacaataaccctgataaatgcttcaataatattgaaaaaggaagagtatgagtattcaacatttccgtgtcgccc
G0241656-1.seq(1>3339)                  tatgtatccgctcatgagacaataaccctgataaatgcttcaataatattgaaaaaggaagagtatgagtattcaacatttccgtgtcgccc

                                        1570      1580      1590      1600      1610      1620      1630      1640      1650
                                        ttattccctttttgcggcattttgccttcctgtttttgctcacccagaaacgctggtgaaagtaaaagatgctgaagatcagttgggtgca
G0241656-1.seq(1>3339)                  ttattccctttttgcggcattttgccttcctgtttttgctcacccagaaacgctggtgaaagtaaaagatgctgaagatcagttgggtgca

                                        1660      1670      1680      1690      1700      1710      1720      1730      1740
                                        cgagtgggttacatcgaactggatctcaacagcggtaagatccttgagagttttcgccccgaagaacgttttccaatgatgagcacttttaa
G0241656-1.seq(1>3339)                  cgagtgggttacatcgaactggatctcaacagcggtaagatccttgagagttttcgccccgaagaacgttttccaatgatgagcacttttaa

                                        1750      1760      1770      1780      1790      1800      1810      1820      1830      1840
                                        agttctgctatgtggcgcggtattatcccgtattgacgccgggcaagagcaactcggtcgccgcatacactattctcagaatgacttggttg
G0241656-1.seq(1>3339)                  agttctgctatgtggcgcggtattatcccgtattgacgccgggcaagagcaactcggtcgccgcatacactattctcagaatgacttggttg

                                        1850      1860      1870      1880      1890      1900      1910      1920      1930
                                        agtactcaccagtcacagaaaagcatcttacggatggcatgacagtaagagaattatgcagtgctgccataaccatgagtgataacactgcg
G0241656-1.seq(1>3339)                  agtactcaccagtcacagaaaagcatcttacggatggcatgacagtaagagaattatgcagtgctgccataaccatgagtgataacactgcg

                                        1940      1950      1960      1970      1980      1990      2000      2010      2020
                                        gccaacttacttctgacaacgatcggaggaccgaaggagctaaccgctttttgcacaacatgggggatcatgtaactcgccttgatcgttg
G0241656-1.seq(1>3339)                  gccaacttacttctgacaacgatcggaggaccgaaggagctaaccgctttttgcacaacatgggggatcatgtaactcgccttgatcgttg

                                        2030      2040      2050      2060      2070      2080      2090      2100      2110
                                        ggaaccggagctgaatgaagccataccaaacgacgagcgtgacaccacgatgcctgtagcaatggcaacaacgttgcgcaaactattaactg
G0241656-1.seq(1>3339)                  ggaaccggagctgaatgaagccataccaaacgacgagcgtgacaccacgatgcctgtagcaatggcaacaacgttgcgcaaactattaactg

                                        2120      2130      2140      2150      2160      2170      2180      2190      2200
                                        gcgaactacttactctagcttcccggcaacaattaatagactggatggaggcggataaagttgcaggaccacttctgcgctcggcccttccg
G0241656-1.seq(1>3339)                  gcgaactacttactctagcttcccggcaacaattaatagactggatggaggcggataaagttgcaggaccacttctgcgctcggcccttccg

                                        2210      2220      2230      2240      2250      2260      2270      2280      2290      2300
                                        gctggctggtttattgctgataaatctggagccggtgagcgtgggtctcgcggtatcattgcagcactggggccagatggtaagccctcccg
G0241656-1.seq(1>3339)                  gctggctggtttattgctgataaatctggagccggtgagcgtgggtctcgcggtatcattgcagcactggggccagatggtaagccctcccg

                                        2310      2320      2330      2340      2350      2360      2370      2380      2390
                                        tatcgtagttatctacacgacggggagtcaggcaactatggatgaacgaaatagacagatcgctgagataggtgcctcactgattaagcatt
G0241656-1.seq(1>3339)                  tatcgtagttatctacacgacggggagtcaggcaactatggatgaacgaaatagacagatcgctgagataggtgcctcactgattaagcatt

                                        2400      2410      2420      2430      2440      2450      2460      2470      2480
                                        ggtaactgtcagaccaagtttactcatatatactttagattgatttaaaacttcatttttaatttaaaaggatctaggtgaagatccttttt
G0241656-1.seq(1>3339)                  ggtaactgtcagaccaagtttactcatatatactttagattgatttaaaacttcatttttaatttaaaaggatctaggtgaagatccttttt

                                        2490      2500      2510      2520      2530      2540      2550      2560      2570
                                        gataatctcatgaccaaaatcccttaacgtgagttttcgttccactgagcgtcagaccccgtagaaaagatcaaaggatcttcttgagatcc
G0241656-1.seq(1>3339)                  gataatctcatgaccaaaatcccttaacgtgagttttcgttccactgagcgtcagaccccgtagaaaagatcaaaggatcttcttgagatcc

                                        2580      2590      2600      2610      2620      2630      2640      2650      2660
                                        ttttttctgcgcgtaatctgctgcttgcaaacaaaaaaaccaccgctaccagcggtggtttgtttgccggatcaagagctaccaactcttt
G0241656-1.seq(1>3339)                  ttttttctgcgcgtaatctgctgcttgcaaacaaaaaaaccaccgctaccagcggtggtttgtttgccggatcaagagctaccaactcttt

                                        2670      2680      2690      2700      2710      2720      2730      2740      2750      2760
                                        ttccgaaggtaactggcttcagcagagcgcagataccaaatactgttcttctagtgtagccgtagttaggccaccacttcaagaactctgta
G0241656-1.seq(1>3339)                  ttccgaaggtaactggcttcagcagagcgcagataccaaatactgttcttctagtgtagccgtagttaggccaccacttcaagaactctgta

                                        2770      2780      2790      2800      2810      2820      2830      2840      2850
                                        gcaccgcctacatacctcgctctgctaatcctgttaccagtggctgctgccagtggcgataagtcgtgtcttaccgggttggactcaagacg
G0241656-1.seq(1>3339)                  gcaccgcctacatacctcgctctgctaatcctgttaccagtggctgctgccagtggcgataagtcgtgtcttaccgggttggactcaagacg
```

```
                                          2860      2870      2880      2890      2900      2910      2920      2930      2940
                                          atagttaccggataaggcgcagcggtcgggctgaacggggggttcgtgcacacagcccagcttggagcgaacgacctacaccgaactgagat
G0241656-1.seq(1>3339)                    atagttaccggataaggcgcagcggtcgggctgaacggggggttcgtgcacacagcccagcttggagcgaacgacctacaccgaactgagat

                                          2950      2960      2970      2980      2990      3000      3010      3020      3030
                                          acctacagcgtgagctatgagaaagcgccacgcttcccgaagggagaaaggcggacaggtatccggtaagcggcagggtcggaacaggagag
G0241656-1.seq(1>3339)                    acctacagcgtgagctatgagaaagcgccacgcttcccgaagggagaaaggcggacaggtatccggtaagcggcagggtcggaacaggagag

                                          3040      3050      3060      3070      3080      3090      3100      3110      3120
                                          cgcacgagggagcttccagggggaaacgcctggtatctttatagtcctgtcgggtttcgccacctctgacttgagcgtcgatttttgtgatg
G0241656-1.seq(1>3339)                    cgcacgagggagcttccagggggaaacgcctggtatctttatagtcctgtcgggtttcgccacctctgacttgagcgtcgatttttgtgatg

                                          3130      3140      3150      3160      3170      3180      3190      3200      3210      3220
                                          ctcgtcagggggcggagcctatggaaaaacgccagcaacgcggcctttttacggttcctggccttttgctggccttttgctcacatgttct
G0241656-1.seq(1>3339)                    ctcgtcagggggcggagcctatggaaaaacgccagcaacgcggcctttttacggttcctggccttttgctggccttttgctcacatgttct

                                                    3230      3240      3250      3260      3270      3280      3290      3300      3310
                                          ttcctgcgttatcccctgattctgtggataaccgtattaccgcctttgagtgagctgataccgctcgccgcagccgaacgaccgagcgcagc
G0241656-1.seq(1>3339)                    ttcctgcgttatcccctgattctgtggataaccgtattaccgcctttgagtgagctgataccgctcgccgcagccgaacgaccgagcgcagc

                                          3320      3330
                                          gagtcagtgagcgaggaagcggaag
G0241656-1.seq(1>3339)                    gagtcagtgagcgaggaagcggaag
```