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                                                  10        20        30        40        50        60        70        80        90       100       110
                                                   |         |         |         |         |         |         |         |         |         |         |
                                                  AGATTGCAGCATTACACGTCTTGAGCGATTGTGTAGGCTGGAGCTGCTTCGAAGTTCCTATACTTTCTAGAGAATAGGAACTTCGGAATAGGAACTTCAAGATCCCCTTA
C7993351G0-7 full sequence.seq(1>3433)      ⟶  AGATTGCAGCATTACACGTCTTGAGCGATTGTGTAGGCTGGAGCTGCTTCGAAGTTCCTATACTTTCTAGAGAATAGGAACTTCGGAATAGGAACTTCAAGATCCCCTTA

                                                 120       130       140       150       160       170       180       190       200       210       220
                                                   |         |         |         |         |         |         |         |         |         |         |
                                                  TTAGAAGAACTCGTCAAGAAGGCGATAGAAGGCGATGCGCTGCGAATCGGGAGCGGCGATACCGTAAAGCACGAGGAAGCGGTCAGCCCATTCGCCGCCAAGCTCTTCAG
C7993351G0-7 full sequence.seq(1>3433)      ⟶  TTAGAAGAACTCGTCAAGAAGGCGATAGAAGGCGATGCGCTGCGAATCGGGAGCGGCGATACCGTAAAGCACGAGGAAGCGGTCAGCCCATTCGCCGCCAAGCTCTTCAG

                                                 230       240       250       260       270       280       290       300       310       320       330
                                                   |         |         |         |         |         |         |         |         |         |         |
                                                  CAATATCACGGGTAGCCAACGCTATGTCCTGATAGCGGTCCGCCACACCCAGCCGGCCACAGTCGATGAATCCAGAAAAGCGGCCATTTTCCACCATGATATTCGGCAAG
C7993351G0-7 full sequence.seq(1>3433)      ⟶  CAATATCACGGGTAGCCAACGCTATGTCCTGATAGCGGTCCGCCACACCCAGCCGGCCACAGTCGATGAATCCAGAAAAGCGGCCATTTTCCACCATGATATTCGGCAAG

                                                 340       350       360       370       380       390       400       410       420       430       440
                                                   |         |         |         |         |         |         |         |         |         |         |
                                                  CAGGCATCGCCATGGGTCACGACGAGATCCTCGCCGTCGGGCATGCGCGCCTTGAGCCTGGCGAACAGTTCGGCTGGCGCGAGCCCCTGATGCTCTTCGTCCAGATCATC
C7993351G0-7 full sequence.seq(1>3433)      ⟶  CAGGCATCGCCATGGGTCACGACGAGATCCTCGCCGTCGGGCATGCGCGCCTTGAGCCTGGCGAACAGTTCGGCTGGCGCGAGCCCCTGATGCTCTTCGTCCAGATCATC

                                                 450       460       470       480       490       500       510       520       530       540       550
                                                   |         |         |         |         |         |         |         |         |         |         |
                                                  CTGATCGACAAGACCGGCTTCCATCCGAGTACGTGCTCGCTCGATGCGATGTTTCGCTTGGTGGTCGAATGGGCAGGTAGCCGGATCAAGCGTATGCAGCCGCCGCATTG
C7993351G0-7 full sequence.seq(1>3433)      ⟶  CTGATCGACAAGACCGGCTTCCATCCGAGTACGTGCTCGCTCGATGCGATGTTTCGCTTGGTGGTCGAATGGGCAGGTAGCCGGATCAAGCGTATGCAGCCGCCGCATTG

                                                 560       570       580       590       600       610       620       630       640       650       660
                                                   |         |         |         |         |         |         |         |         |         |         |
                                                  CATCAGCCATGATGGATACTTTCTCGGCAGGAGCAAGGTGAGATGACAGGAGATCCTGCCCCGGCACTTCGCCCAATAGCAGCCAGTCCCTTCCCGCTTCAGTGACAACG
C7993351G0-7 full sequence.seq(1>3433)      ⟶  CATCAGCCATGATGGATACTTTCTCGGCAGGAGCAAGGTGAGATGACAGGAGATCCTGCCCCGGCACTTCGCCCAATAGCAGCCAGTCCCTTCCCGCTTCAGTGACAACG

                                                 670       680       690       700       710       720       730       740       750       760       770
                                                   |         |         |         |         |         |         |         |         |         |         |
                                                  TCGAGCACAGCTGCGCAAGGAACGCCCGTCGTGGCCAGCCACGATAGCCGCGCTGCCTCGTCCTGCAGTTCATTCAGGGCACCGGACAGGTCGGTCTTGACAAAAAGAAC
C7993351G0-7 full sequence.seq(1>3433)      ⟶  TCGAGCACAGCTGCGCAAGGAACGCCCGTCGTGGCCAGCCACGATAGCCGCGCTGCCTCGTCCTGCAGTTCATTCAGGGCACCGGACAGGTCGGTCTTGACAAAAAGAAC

                                                 780       790       800       810       820       830       840       850       860       870       880
                                                   |         |         |         |         |         |         |         |         |         |         |
                                                  CGGGCGCCCCTGCGCTGACAGCCGGAACACGGCGGCATCAGAGCAGCCGATTGTCTGTTGTGCCCAGTCATAGCCGAATAGCCTCTCCACCCAAGCGGCCGGAGAACCTG
C7993351G0-7 full sequence.seq(1>3433)      ⟶  CGGGCGCCCCTGCGCTGACAGCCGGAACACGGCGGCATCAGAGCAGCCGATTGTCTGTTGTGCCCAGTCATAGCCGAATAGCCTCTCCACCCAAGCGGCCGGAGAACCTG

                                                 890       900       910       920       930       940       950       960       970       980       990
                                                   |         |         |         |         |         |         |         |         |         |         |
                                                  CGTGCAATCCATCTTGTTCAATCATGCGAAACGATCCTCATCCTGTCTCTTGATCAGATCTTGATCCCCTGCGCCATCAGATCCTTGGCGGCAAGAAAGCCATCCAGTTT
C7993351G0-7 full sequence.seq(1>3433)      ⟶  CGTGCAATCCATCTTGTTCAATCATGCGAAACGATCCTCATCCTGTCTCTTGATCAGATCTTGATCCCCTGCGCCATCAGATCCTTGGCGGCAAGAAAGCCATCCAGTTT

                                                1000      1010      1020      1030      1040      1050      1060      1070      1080      1090      1100
                                                   |         |         |         |         |         |         |         |         |         |         |
                                                  ACTTTGCAGGGCTTCCCAACCTTACCAGAGGGCGCCCCAGCTGGCAATTCCGGTTCGCTTGCTGTCCATAAAACCGCCCAGTCTAGCTATCGCCATGTAAGCCCACTGCA
C7993351G0-7 full sequence.seq(1>3433)      ⟶  ACTTTGCAGGGCTTCCCAACCTTACCAGAGGGCGCCCCAGCTGGCAATTCCGGTTCGCTTGCTGTCCATAAAACCGCCCAGTCTAGCTATCGCCATGTAAGCCCACTGCA
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                                                  1110      1120      1130      1140      1150      1160      1170      1180      1190      1200      1210
                                                  AGCTACCTGCTTTCTCTTTGCGCTTGCGTTTTCCCTTGTCCAGATAGCCCAGTAGCTGACATTCATCCGGGGTCAGCACCGTTTCTGCGGACTGGCTTTCTACGTGTTCC
C7993351G0-7 full sequence.seq(1>3433)      →  AGCTACCTGCTTTCTCTTTGCGCTTGCGTTTTCCCTTGTCCAGATAGCCCAGTAGCTGACATTCATCCGGGGTCAGCACCGTTTCTGCGGACTGGCTTTCTACGTGTTCC

                                                  1220      1230      1240      1250      1260      1270      1280      1290      1300      1310      1320
                                                  GCTTCCTTTAGCAGCCCTTGCGCCCTGAGTGCTTGCGGCAGCGTGAGCTTCAAAAGCGCTCTGAAGTTCCTATACTTTCTAGAGAATAGGAACTTCGAACTGCAGGTCGA
C7993351G0-7 full sequence.seq(1>3433)      →  GCTTCCTTTAGCAGCCCTTGCGCCCTGAGTGCTTGCGGCAGCGTGAGCTTCAAAAGCGCTCTGAAGTTCCTATACTTTCTAGAGAATAGGAACTTCGAACTGCAGGTCGA

                                                  1330      1340      1350      1360      1370      1380      1390      1400      1410      1420      1430
                                                  CGGATCCCCGGAATTAATTCTCATGTTTGACAGCTTATCACTGATCAGTGAATTAATGGCGATGACGCATCCTCACGATAATATCCGGGTAGGCGCAATCACTTTCGTCT
C7993351G0-7 full sequence.seq(1>3433)      →  CGGATCCCCGGAATTAATTCTCATGTTTGACAGCTTATCACTGATCAGTGAATTAATGGCGATGACGCATCCTCACGATAATATCCGGGTAGGCGCAATCACTTTCGTCT

                                                  1440      1450      1460      1470      1480      1490      1500      1510      1520      1530      1540
                                                  CTACTCCGTTACAAAGCGAGGCTGGGTATTTCCCGGCCTTTCTGTTATCCGAAATCCACTGAAAGCACAGCGGCTGGCTGAGGAGATAAATAATAAACGAGGGGCTGTAT
C7993351G0-7 full sequence.seq(1>3433)      →  CTACTCCGTTACAAAGCGAGGCTGGGTATTTCCCGGCCTTTCTGTTATCCGAAATCCACTGAAAGCACAGCGGCTGGCTGAGGAGATAAATAATAAACGAGGGGCTGTAT

                                                  1550      1560      1570      1580      1590      1600      1610      1620      1630      1640      1650
                                                  GCACAAAGCATCTTCTGTTGAGTTAAGAACGAGTATCGAGATGGCACATAGCCTTGCTCAAATTGGAATCAGGTTTGTGCCAATACCAGTAGAAACAGACGAAGAAGCTA
C7993351G0-7 full sequence.seq(1>3433)      →  GCACAAAGCATCTTCTGTTGAGTTAAGAACGAGTATCGAGATGGCACATAGCCTTGCTCAAATTGGAATCAGGTTTGTGCCAATACCAGTAGAAACAGACGAAGAAGCTA

                                                  1660      1670      1680      1690      1700      1710      1720      1730      1740      1750      1760
                                                  GCTTTGCACTGGATTGCGAGGCTTTGCCATGGCTAATTCCCATGTCAGCCGTTAAGTGTTCCTGTGTCACTGAAAATTGCTTTGAGAGGCTCTAAGGGCTTCTCAGTGCG
C7993351G0-7 full sequence.seq(1>3433)      →  GCTTTGCACTGGATTGCGAGGCTTTGCCATGGCTAATTCCCATGTCAGCCGTTAAGTGTTCCTGTGTCACTGAAAATTGCTTTGAGAGGCTCTAAGGGCTTCTCAGTGCG

                                                  1770      1780      1790      1800      1810      1820      1830      1840      1850      1860      1870
                                                  TTACATCCCTGGCTTGTTGTCCACAACCGTTAAACCTTAAAAGCTTTAAAAGCCTTATATATTCTTTTTTTTCTTATAAAACTTAAAACCTTAGAGGCTATTTAAGTTGC
C7993351G0-7 full sequence.seq(1>3433)      →  TTACATCCCTGGCTTGTTGTCCACAACCGTTAAACCTTAAAAGCTTTAAAAGCCTTATATATTCTTTTTTTTCTTATAAAACTTAAAACCTTAGAGGCTATTTAAGTTGC

                                                  1880      1890      1900      1910      1920      1930      1940      1950      1960      1970      1980
                                                  TGATTTATATTAATTTTATTGTTCAAACATGAGAGCTTAGTACGTGAAACATGAGAGCTTAGTACGTTAGCCATGAGAGCTTAGTACGTTAGCCATGAGGGTTTAGTTCG
C7993351G0-7 full sequence.seq(1>3433)      →  TGATTTATATTAATTTTATTGTTCAAACATGAGAGCTTAGTACGTGAAACATGAGAGCTTAGTACGTTAGCCATGAGAGCTTAGTACGTTAGCCATGAGGGTTTAGTTCG

                                                  1990      2000      2010      2020      2030      2040      2050      2060      2070      2080      2090
                                                  TTAAACATGAGAGCTTAGTACGTTAAACATGAGAGCTTAGTACGTGAAACATGAGAGCTTAGTACGTACTATCAACAGGTTGAACTGCGGATCTTGCGGCCGCAAAAATT
C7993351G0-7 full sequence.seq(1>3433)      →  TTAAACATGAGAGCTTAGTACGTTAAACATGAGAGCTTAGTACGTGAAACATGAGAGCTTAGTACGTACTATCAACAGGTTGAACTGCGGATCTTGCGGCCGCAAAAATT

                                                  2100      2110      2120      2130      2140      2150      2160      2170      2180      2190      2200
                                                  AAAAATGAAGTTTTAAATCAATCTAAAGTATATATGAGTAAACTTGGTCTGACAGTTACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTCGTTCA
C7993351G0-7 full sequence.seq(1>3433)      →  AAAAATGAAGTTTTAAATCAATCTAAAGTATATATGAGTAAACTTGGTCTGACAGTTACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTCGTTCA
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                                                  2210      2220      2230      2240      2250      2260      2270      2280      2290      2300      2310
                                                  TCCATAGTTGCCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGCTGCAATGATACCGCGAGACCCACGCTCACCGGCTCCAGA
C7993351G0-7 full sequence.seq(1>3433)      ⟶  TCCATAGTTGCCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGCTGCAATGATACCGCGAGACCCACGCTCACCGGCTCCAGA

                                                  2320      2330      2340      2350      2360      2370      2380      2390      2400      2410      2420
                                                  TTTATCAGCAATAAACCAGCCAGCCGGAAGGGCCGAGCGCAGAAGTGGTCCTGCAACTTTATCCGCCTCCATCCAGTCTATTAATTGTTGCCGGGAAGCTAGAGTAAGTA
C7993351G0-7 full sequence.seq(1>3433)      ⟶  TTTATCAGCAATAAACCAGCCAGCCGGAAGGGCCGAGCGCAGAAGTGGTCCTGCAACTTTATCCGCCTCCATCCAGTCTATTAATTGTTGCCGGGAAGCTAGAGTAAGTA

                                                  2430      2440      2450      2460      2470      2480      2490      2500      2510      2520      2530
                                                  GTTCGCCAGTTAATAGTTTGCGCAACGTTGTTGCCATTGCTACAGGCATCGTGGTGTCACGCTCGTCGTTTGGTATGGCTTCATTCAGCTCCGGTTCCCAACGATCAAGG
C7993351G0-7 full sequence.seq(1>3433)      ⟶  GTTCGCCAGTTAATAGTTTGCGCAACGTTGTTGCCATTGCTACAGGCATCGTGGTGTCACGCTCGTCGTTTGGTATGGCTTCATTCAGCTCCGGTTCCCAACGATCAAGG

                                                  2540      2550      2560      2570      2580      2590      2600      2610      2620      2630      2640
                                                  CGAGTTACATGATCCCCCATGTTGTGCAAAAAAGCGGTTAGCTCCTTCGGTCCTCCGATCGTTGTCAGAAGTAAGTTGGCCGCAGTGTTATCACTCATGGTTATGGCAGC
C7993351G0-7 full sequence.seq(1>3433)      ⟶  CGAGTTACATGATCCCCCATGTTGTGCAAAAAAGCGGTTAGCTCCTTCGGTCCTCCGATCGTTGTCAGAAGTAAGTTGGCCGCAGTGTTATCACTCATGGTTATGGCAGC

                                                  2650      2660      2670      2680      2690      2700      2710      2720      2730      2740      2750
                                                  ACTGCATAATTCTCTTACTGTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGAGTACTCAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTT
C7993351G0-7 full sequence.seq(1>3433)      ⟶  ACTGCATAATTCTCTTACTGTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGAGTACTCAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTT
E09-PN07216-C7993351G0-7-siRNA-5.ab1(1>721) ⟶              TCTCTTACTGTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGAGTACTCAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTT

                                                  2760      2770      2780      2790      2800      2810      2820      2830      2840      2850      2860
                                                  GCCCGGCGTCAATACGGGATAATACCGCGCCACATAGCAGAACTTTAAAAGTGCTCATCATTGGAAAACGTTCTTCGGGGCGAAAACTCTCAAGGATCTTACCGCTGTTG
C7993351G0-7 full sequence.seq(1>3433)      ⟶  GCCCGGCGTCAATACGGGATAATACCGCGCCACATAGCAGAACTTTAAAAGTGCTCATCATTGGAAAACGTTCTTCGGGGCGAAAACTCTCAAGGATCTTACCGCTGTTG
E09-PN07216-C7993351G0-7-siRNA-5.ab1(1>721) ⟶  GCCCGGCGTCAATACGGGATAATACCGCGCCACATAGCAGAACTTTAAAAGTGCTCATCATTGGAAAACGTTCTTCGGGGCGAAAACTCTCAAGGATCTTACCGCTGTTG

                                                  2870      2880      2890      2900      2910      2920      2930      2940      2950      2960      2970
                                                  AGATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTTACTTTCACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAAAA
C7993351G0-7 full sequence.seq(1>3433)      ⟶  AGATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTTACTTTCACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAAAA
E09-PN07216-C7993351G0-7-siRNA-5.ab1(1>721) ⟶  AGATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTTACTTTCACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAAAA

                                                  2980      2990      3000      3010      3020      3030      3040      3050      3060      3070      3080
                                                  GGGAATAAGGGCGACACGGAAATGTTGAATACTCATACTCTTCCTTTTTCAATATTATTGAAGCATTTATCAGGGTTATTGTCTCATGAGCGGATACATATTTGAATGTA
C7993351G0-7 full sequence.seq(1>3433)      ⟶  GGGAATAAGGGCGACACGGAAATGTTGAATACTCATACTCTTCCTTTTTCAATATTATTGAAGCATTTATCAGGGTTATTGTCTCATGAGCGGATACATATTTGAATGTA
E09-PN07216-C7993351G0-7-siRNA-5.ab1(1>721) ⟶  GGGAATAAGGGCGACACGGAAATGTTGAATACTCATACTCTTCCTTTTTCAATATTATTGAAGCATTTATCAGGGTTATTGTCTCATGAGCGGATACATATTTGAATGTA

                                                  3090      3100      3110      3120      3130      3140      3150      3160      3170      3180      3190
                                                  TTTAGAAAAATAAACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTGCCACCTGCATCGATGGCCCCCGATGGTAGTGTGGGGTCTCCCCATGCGAGAGTAGGGAAC
C7993351G0-7 full sequence.seq(1>3433)      ⟶  TTTAGAAAAATAAACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTGCCACCTGCATCGATGGCCCCCGATGGTAGTGTGGGGTCTCCCCATGCGAGAGTAGGGAAC
E09-PN07216-C7993351G0-7-siRNA-5.ab1(1>721) ⟶  TTTAGAAAAATAAACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTGCCACCTGCATCGATGGCCCCCGATGGTAGTGTGGGGTCTCCCCATGCGAGAGTAGGGAAC
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                                                  3200      3210      3220      3230      3240      3250      3260      3270      3280      3290      3300
                                                  ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
                                                  TGCCAGGCATCAAATAAAACGAAAGGCTCAGTCGAAAGACTGGGCCTTTCGTTTTATCTGTTGTTTGTCGGTGAACGCTCTCCTGAGTAGGACAAATCCGCCGGGAGCGG
C7993351G0-7 full sequence.seq(1>3433)          ⟶ TGCCAGGCATCAAATAAAACGAAAGGCTCAGTCGAAAGACTGGGCCTTTCGTTTTATCTGTTGTTTGTCGGTGAACGCTCTCCTGAGTAGGACAAATCCGCCGGGAGCGG
E09-PN07216-C7993351G0-7-siRNA-5.ab1(1>721)     ⟶ TGCCAGGCATCAAATAAAACGAAAGGCTCAGTCGAAAGACTGGGCCTTTCGTTTTATCTGTTGTTTGTCGGTGAACGCTCTCCTGAGTAGGACAAATCCGCCGGGAGCGG

                                                  3310      3320      3330      3340      3350      3360      3370      3380      3390      3400      3410
                                                  ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
                                                  ATTTGAACGTTGCGAAGCAACGGCCCGGAGGGTGGCGGGCAGGACGCCCGCCATAAACTGCCAGGCATCAAATTAAGCAGAAGGCCATCCTGACGGATGGCCTTTTTGCG
C7993351G0-7 full sequence.seq(1>3433)          ⟶ ATTTGAACGTTGCGAAGCAACGGCCCGGAGGGTGGCGGGCAGGACGCCCGCCATAAACTGCCAGGCATCAAATTAAGCAGAAGGCCATCCTGACGGATGGCCTTTTTGCG
E09-PN07216-C7993351G0-7-siRNA-5.ab1(1>721)     ⟶ ATTTGAACGTTGCGAAGCAACGGCCCGGAGGGTGGCGGGCAGGACGCCCGCCATAAACTGCCAGGCATCAA

                                                  3420      3430
                                                  ....|....|....|....
                                                  TGGCCAGTGCCAAGCTTGCATGC
C7993351G0-7 full sequence.seq(1>3433)          ⟶ TGGCCAGTGCCAAGCTTGCATGC
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