|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CTCGAGAAAT | | CATAAAAAAT | TTATTTGCTT | | TGTGAGCGGA | | TAACAATTAT | | 50 | |
| AATAGATTCA | ATTGTGAGCG | | | GATAACAATT | | TCACACAGAA | TTCATTAAAG | 100 | |
| AGGAGAAATT | AACTATGAGA | | | GGATCGCATC | | ACCATCACCA | TCACGGATCC | 150 | |
| GCATGCGAGC | TCGGTACCCC | | | GGGTCGACCT | | GCAGCCAAGC | TTAATTAGCT | 200 | |
| GAGCTTGGAC | TCCTGTTGAT | | | AGATCCAGTA | | ATGACCTCAG | AACTCCATCT | 250 | |
| GGATTTGTTC | AGAACGCTCG | | | GTTGCCGCCG | | GGCGTTTTTT | ATTGGTGAGA | 300 | |
| ATCCAAGCTA | GCTTGGCGAG | | | ATTTTCAGGA | | GCTAAGGAAG | CTAAAATGGA | 350 | |
| GAAAAAAATC | ACTGGATATA | | | CCACCGTTGA | | TATATCCCAA | TGGCATCGTA | 400 | |
| AAGAACATTT | TGAGGCATTT | | | CAGTCAGTTG | | CTCAATGTAC | CTATAACCAG | 450 | |
| ACCGTTCAGC | TGGATATTAC | | | GGCCTTTTTA | | AAGACCGTAA | AGAAAAATAA | 500 | |
| GCACAAGTTT | TATCCGGCCT | | | TTATTCACAT | | TCTTGCCCGC | CTGATGAATG | 550 | |
| CTCATCCGGA | ATTTCGTATG | | | GCAATGAAAG | | ACGGTGAGCT | GGTGATATGG | 600 | |
| GATAGTGTTC | ACCCTTGTTA | | | CACCGTTTTC | | CATGAGCAAA | CTGAAACGTT | 650 | |
| TTCATCGCTC | TGGAGTGAAT | | | ACCACGACGA | | TTTCCGGCAG | TTTCTACACA | 700 | |
| TATATTCGCA | AGATGTGGCG | | | TGTTACGGTG | | AAAACCTGGC | CTATTTCCCT | 750 | |
| AAAGGGTTTA | TTGAGAATAT | | | GTTTTTCGTC | | TCAGCCAATC | CCTGGGTGAG | 800 | |
| TTTCACCAGT | TTTGATTTAA | | | ACGTGGCCAA | | TATGGACAAC | TTCTTCGCCC | 850 | |
| CCGTTTTCAC | CATGGGCAAA | | | TATTATACGC | | AAGGCGACAA | GGTGCTGATG | 900 | |
| CCGCTGGCGA | TTCAGGTTCA | | | TCATGCCGTT | | TGTGATGGCT | TCCATGTCGG | 950 | |
| CAGAATGCTT | AATGAATTAC | | | AACAGTACTG | | CGATGAGTGG | CAGGGCGGGG | 1000 | |
| CGTAATTTTT | TTAAGGCAGT | | | TATTGGTGCC | | CTTAAACGCC | TGGGGTAATG | 1050 | |
| ACTCTCTAGC | TTGAGGCATC | | | AAATAAAACG | | AAAGGCTCAG | TCGAAAGACT | 1100 | |
| GGGCCTTTCG | TTTTATCTGT | | | TGTTTGTCGG | | TGAACGCTCT | CCTGAGTAGG | 1150 | |
| ACAAATCCGC | CCTCTAGAGC | | | TGCCTCGCGC | | GTTTCGGTGA | TGACGGTGAA | 1200 | |
| AACCTCTGAC | ACATGCAGCT | | | CCCGGAGACG | | GTCACAGCTT | GTCTGTAAGC | 1250 | |
| GGATGCCGGG | AGCAGACAAG | | | CCCGTCAGGG | | CGCGTCAGCG | GGTGTTGGCG | 1300 | |
| GGTGTCGGGG | CGCAGCCATG | | | ACCCAGTCAC | | GTAGCGATAG | CGGAGTGTAT | 1350 | |
| ACTGGCTTAA | CTATGCGGCA | | | TCAGAGCAGA | | TTGTACTGAG | AGTGCACCAT | 1400 | |
| ATGCGGTGTG | AAATACCGCA | | | CAGATGCGTA | | AGGAGAAAAT | ACCGCATCAG | 1450 | |
| GCGCTCTTCC | GCTTCCTCGC | | | TCACTGACTC | | GCTGCGCTCG | GTCGTTCGGC | 1500 | |
| TGCGGCGAGC | GGTATCAGCT | | | CACTCAAAGG | | CGGTAATACG | GTTATCCACA | 1550 | |
| GAATCAGGGG | ATAACGCAGG | | | AAAGAACATG | | TGAGCAAAAG | GCCAGCAAAA | 1600 | |
| GGCCAGGAAC | CGTAAAAAGG | | | CCGCGTTGCT | | GGCGTTTTTC | CATAGGCTCC | 1650 | |
| GCCCCCCTGA | CGAGCATCAC | | | AAAAATCGAC | | GCTCAAGTCA | GAGGTGGCGA | 1700 | |
| AACCCGACAG | GACTATAAAG | | | ATACCAGGCG | | TTTCCCCCTG | GAAGCTCCCT | 1750 | |
| CGTGCGCTCT | CCTGTTCCGA | | | CCCTGCCGCT | | TACCGGATAC | CTGTCCGCCT | 1800 | |
| TTCTCCCTTC | GGGAAGCGTG | | | GCGCTTTCTC | | ATAGCTCACG | CTGTAGGTAT | 1850 | |
| CTCAGTTCGG | TGTAGGTCGT | | | TCGCTCCAAG | | CTGGGCTGTG | TGCACGAACC | 1900 | |
| CCCCGTTCAG | CCCGACCGCT | | | GCGCCTTATC | | CGGTAACTAT | CGTCTTGAGT | 1950 | |
| CCAACCCGGT | AAGACACGAC | | | TTATCGCCAC | | TGGCAGCAGC | CACTGGTAAC | 2000 | |
| AGGATTAGCA | GAGCGAGGTA | | | TGTAGGCGGT | | GCTACAGAGT | TCTTGAAGTG | 2050 | |
| GTGGCCTAAC | TACGGCTACA | | | CTAGAAGGAC | | AGTATTTGGT | ATCTGCGCTC | 2100 | |
| TGCTGAAGCC | AGTTACCTTC | | | GGAAAAAGAG | | TTGGTAGCTC | TTGATCCGGC | 2150 | |
| AAACAAACCA | CCGCTGGTAG | | | CGGTGGTTTT | | TTTGTTTGCA | AGCAGCAGAT | 2200 | |
| TACGCGCAGA | AAAAAAGGAT | | | CTCAAGAAGA | | TCCTTTGATC | TTTTCTACGG | 2250 | |
| GGTCTGACGC | TCAGTGGAAC | | | GAAAACTCAC | | GTTAAGGGAT | TTTGGTCATG | 2300 | |
| AGATTATCAA | AAAGGATCTT | | | CACCTAGATC | | CTTTTAAATT | AAAAATGAAG | 2350 | |
| TTTTAAATCA | ATCTAAAGTA | | | TATATGAGTA | | AACTTGGTCT | GACAGTTACC | 2400 | |
| AATGCTTAAT | CAGTGAGGCA | | | CCTATCTCAG | | CGATCTGTCT | ATTTCGTTCA | 2450 | |
| TCCATAGTTG | CCTGACTCCC | | | CGTCGTGTAG | | ATAACTACGA | TACGGGAGGG | 2500 | |
| CTTACCATCT | GGCCCCAGTG | | | CTGCAATGAT | | ACCGCGAGAC | CCACGCTCAC | 2550 | |
| CGGCTCCAGA | TTTATCAGCA | | | ATAAACCAGC | | CAGCCGGAAG | GGCCGAGCGC | 2600 | |
| AGAAGTGGTC | CTGCAACTTT | | | ATCCGCCTCC | | ATCCAGTCTA | TTAATTGTTG | 2650 | |
| CCGGGAAGCT | AGAGTAAGTA | | | GTTCGCCAGT | | TAATAGTTTG | CGCAACGTTG | 2700 | |
| TTGCCATTGC | TACAGGCATC | | | GTGGTGTCAC | | GCTCGTCGTT | TGGTATGGCT | 2750 | |
| TCATTCAGCT | CCGGTTCCCA | | | ACGATCAAGG | | CGAGTTACAT | GATCCCCCAT | 2800 | |
| GTTGTGCAAA | AAAGCGGTTA | | | GCTCCTTCGG | | TCCTCCGATC | GTTGTCAGAA | 2850 | |
| GTAAGTTGGC | CGCAGTGTTA | | | TCACTCATGG | | TTATGGCAGC | ACTGCATAAT | 2900 | |
| TCTCTTACTG | TCATGCCATC | | | CGTAAGATGC | | TTTTCTGTGA | CTGGTGAGTA | 2950 | |
| CTCAACCAAG | TCATTCTGAG | | | AATAGTGTAT | | GCGGCGACCG | AGTTGCTCTT | 3000 | |
| GCCCGGCGTC | AATACGGGAT | | | AATACCGCGC | | CACATAGCAG | AACTTTAAAA | 3050 | |
| GTGCTCATCA | TTGGAAAACG | | | TTCTTCGGGG | | CGAAAACTCT | CAAGGATCTT | 3100 | |
| ACCGCTGTTG | AGATCCAGTT | | | CGATGTAACC | | CACTCGTGCA | CCCAACTGAT | 3150 | |
| CTTCAGCATC | TTTTACTTTC | | | ACCAGCGTTT | | CTGGGTGAGC | AAAAACAGGA | 3200 | |
| AGGCAAAATG | CCGCAAAAAA | | | GGGAATAAGG | | GCGACACGGA | AATGTTGAAT | 3250 | |
| ACTCATACTC | TTCCTTTTTC | | | AATATTATTG | | AAGCATTTAT | CAGGGTTATT | 3300 | |
| GTCTCATGAG | CGGATACATA | | | TTTGAATGTA | | TTTAGAAAAA | TAAACAAATA | 3350 | |
| GGGGTTCCGC | GCACATTTCC | | | CCGAAAAGTG | | CCACCTGACG | TCTAAGAAAC | 3400 | |
| CATTATTATC | ATGACATTAA | | | CCTATAAAAA | | TAGGCGTATC | ACGAGGCCCT | 3450 | |
| TTCGTCTTCA | C | | |  | |  |  |  | |