|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ctaaattgta | | agcgttaata | | ttttgttaaa | | attcgcgtta | | aatttttgtt | | 50 | |
| aaatcagctc | attttttaac | | caataggccg | | aaatcggcaa | | aatcccttat | | 100 | |
| aaatcaaaag | aatagaccga | | gatagggttg | | agtgttgttc | | cagtttggaa | | 150 | |
| caagagtcca | ctattaaaga | | acgtggactc | | caacgtcaaa | | gggcgaaaaa | | 200 | |
| ccgtctatca | gggcgatggc | | ccactacgtg | | aaccatcacc | | ctaatcaagt | | 250 | |
| tttttggggt | cgaggtgccg | | taaagcacta | | aatcggaacc | | ctaaagggag | | 300 | |
| cccccgattt | agagcttgac | | ggggaaagcc | | ggcgaacgtg | | gcgagaaagg | | 350 | |
| aagggaagaa | agcgaaagga | | gcgggcgcta | | gggcgctggc | | aagtgtagcg | | 400 | |
| gtcacgctgc | gcgtaaccac | | cacacccgcc | | gcgcttaatg | | cgccgctaca | | 450 | |
| gggcgcgtcc | cattcgccat | | tcaggctgcg | | caactgttgg | | gaagggcgat | | 500 | |
| cggtgcgggc | ctcttcgcta | | ttacgccagc | | tggcgaaagg | | gggatgtgct | | 550 | |
| gcaaggcgat | taagttgggt | | aacgccaggg | | ttttcccagt | | cacgacgttg | | 600 | |
| taaaacgacg | gccagtgagc | | gcgcgtaata | | cgactcacta | | tagggcgaat | | 650 | |
| tggagctcca | ccgcggtggc | | ggccgctcta | | gaactagtgg | | atcccccggg | | 700 | |
| ctgcaggaat | tcgatatcaa | | gcttatcgat | | accgtcgacc | | tcgagggggg | | 750 | |
| gcccggtacc | cagcttttgt | | tccctttagt | | gagggttaat | | tgcgcgcttg | | 800 | |
| gcgtaatcat | ggtcatagct | | gtttcctgtg | | tgaaattgtt | | atccgctcac | | 850 | |
| aattccacac | aacatacgag | | ccggaagcat | | aaagtgtaaa | | gcctggggtg | | 900 | |
| cctaatgagt | gagctaactc | | acattaattg | | cgttgcgctc | | actgcccgct | | 950 | |
| ttccagtcgg | gaaacctgtc | | gtgccagctg | | cattaatgaa | | tcggccaacg | | 1000 | |
| cgcggggaga | ggcggtttgc | | gtattgggcg | | ctcttccgct | | tcctcgctca | | 1050 | |
| ctgactcgct | gcgctcggtc | | gttcggctgc | | ggcgagcggt | | atcagctcac | | 1100 | |
| tcaaaggcgg | taatacggtt | | atccacagaa | | tcaggggata | | acgcaggaaa | | 1150 | |
| gaacatgtga | gcaaaaggcc | | agcaaaaggc | | caggaaccgt | | aaaaaggccg | | 1200 | |
| cgttgctggc | gtttttccat | | aggctccgcc | | cccctgacga | | gcatcacaaa | | 1250 | |
| aatcgacgct | caagtcagag | | gtggcgaaac | | ccgacaggac | | tataaagata | | 1300 | |
| ccaggcgttt | ccccctggaa | | gctccctcgt | | gcgctctcct | | gttccgaccc | | 1350 | |
| tgccgcttac | cggatacctg | | tccgcctttc | | tcccttcggg | | aagcgtggcg | | 1400 | |
| ctttctcata | gctcacgctg | | taggtatctc | | agttcggtgt | | aggtcgttcg | | 1450 | |
| ctccaagctg | ggctgtgtgc | | acgaaccccc | | cgttcagccc | | gaccgctgcg | | 1500 | |
| ccttatccgg | taactatcgt | | cttgagtcca | | acccggtaag | | acacgactta | | 1550 | |
| tcgccactgg | cagcagccac | | tggtaacagg | | attagcagag | | cgaggtatgt | | 1600 | |
| aggcggtgct | acagagttct | | tgaagtggtg | | gcctaactac | | ggctacacta | | 1650 | |
| gaaggacagt | atttggtatc | | tgcgctctgc | | tgaagccagt | | taccttcgga | | 1700 | |
| aaaagagttg | gtagctcttg | | atccggcaaa | | caaaccaccg | | ctggtagcgg | | 1750 | |
| tggttttttt | gtttgcaagc | | agcagattac | | gcgcagaaaa | | aaaggatctc | | 1800 | |
| aagaagatcc | tttgatcttt | | tctacggggt | | ctgacgctca | | gtggaacgaa | | 1850 | |
| aactcacgtt | aagggatttt | | ggtcatgaga | | ttatcaaaaa | | ggatcttcac | | 1900 | |
| ctagatcctt | ttaaattaaa | | aatgaagttt | | taaatcaatc | | taaagtatat | | 1950 | |
| atgagtaaac | ttggtctgac | | agttaccaat | | gcttaatcag | | tgaggcacct | | 2000 | |
| atctcagcga | tctgtctatt | | tcgttcatcc | | atagttgcct | | gactccccgt | | 2050 | |
| cgtgtagata | actacgatac | | gggagggctt | | accatctggc | | cccagtgctg | | 2100 | |
| caatgatacc | gcgagaccca | | cgctcaccgg | | ctccagattt | | atcagcaata | | 2150 | |
| aaccagccag | ccggaagggc | | cgagcgcaga | | agtggtcctg | | caactttatc | | 2200 | |
| cgcctccatc | cagtctatta | | attgttgccg | | ggaagctaga | | gtaagtagtt | | 2250 | |
| cgccagttaa | tagtttgcgc | | aacgttgttg | | ccattgctac | | aggcatcgtg | | 2300 | |
| gtgtcacgct | cgtcgtttgg | | tatggcttca | | ttcagctccg | | gttcccaacg | | 2350 | |
| atcaaggcga | gttacatgat | | cccccatgtt | | gtgcaaaaaa | | gcggttagct | | 2400 | |
| ccttcggtcc | tccgatcgtt | | gtcagaagta | | agttggccgc | | agtgttatca | | 2450 | |
| ctcatggtta | tggcagcact | | gcataattct | | cttactgtca | | tgccatccgt | | 2500 | |
| aagatgcttt | tctgtgactg | | gtgagtactc | | aaccaagtca | | ttctgagaat | | 2550 | |
| agtgtatgcg | gcgaccgagt | | tgctcttgcc | | cggcgtcaat | | acgggataat | | 2600 | |
| accgcgccac | atagcagaac | | tttaaaagtg | | ctcatcattg | | gaaaacgttc | | 2650 | |
| ttcggggcga | aaactctcaa | | ggatcttacc | | gctgttgaga | | tccagttcga | | 2700 | |
| tgtaacccac | tcgtgcaccc | | aactgatctt | | cagcatcttt | | tactttcacc | | 2750 | |
| agcgtttctg | ggtgagcaaa | | aacaggaagg | | caaaatgccg | | caaaaaaggg | | 2800 | |
| aataagggcg | acacggaaat | | gttgaatact | | catactcttc | | ctttttcaat | | 2850 | |
| attattgaag | catttatcag | | ggttattgtc | | tcatgagcgg | | atacatattt | | 2900 | |
| gaatgtattt | agaaaaataa | | acaaataggg | | gttccgcgca | | catttccccg | | 2950 | |
| aaaagtgcca | c | |  | |  | |  | |  | |