

1501 cgtctatcagggcgatggcccactacgtgaaccatcacctaatacaagtttttggggctcgaggtgcccgtaaagcactaaatcggaaccctaaagggagc 1600
* 1610 * 1620 * 1630 * 1640 * 1650 * 1660 * 1670 * 1680 * 1690 * 1700 *
1601 ccccgatttagagcttgacggggaaagccggcgaacgtggcgagaaaggaaggaagaaagcgaagggagcggcgctagggcgctggaagtgtagcgg 1700
* 1710 * 1720 * 1730 * 1740 * 1750 * 1760 * 1770 * 1780 * 1790 * 1800 *
1701 tcacgctgcgcgtaaccaccaccccggcgcttaatgcgcccgtacagggcgcgctcaggtggcacttttcggggaagtgtgcgcggaaccctatttg 1800
* 1810 * 1820 * 1830 * 1840 * 1850 * 1860 * 1870 * 1880 * 1890 * 1900 *
1801 tttatTTTTTctaaatacattcaaatatgtatccgctcatgagacaataaccctgataaatgcttcaataattgaaaaaggaagagctctgagcgga 1900
* 1910 * 1920 * 1930 * 1940 * 1950 * 1960 * 1970 * 1980 * 1990 * 2000 *
1901 agaaccagctgtggaatgtgtgtcagttaggggtggaaagtccccaggctccccagcaggcagaagtatgcaaagcatgcatctcaattagtcagcaac 2000
* 2010 * 2020 * 2030 * 2040 * 2050 * 2060 * 2070 * 2080 * 2090 * 2100 *
2001 caggtgtggaagtccccaggctccccagcaggcagaagtatgcaaagcatgcatctcaattagtcagcaacctagtcgcccccctaactccgccatc 2100
* 2110 * 2120 * 2130 * 2140 * 2150 * 2160 * 2170 * 2180 * 2190 * 2200 *
2101 ccgcccctaactccgccagttccgccattctccgcccatggctgactaattttttttatTTATgagagggcggagccgctcgccctctgagctat 2200
* 2210 * 2220 * 2230 * 2240 * 2250 * 2260 * 2270 * 2280 * 2290 * 2300 *
2201 tccagaagttagtgagggctTTTTTggaggcctaggctTTTgcaaagatcgatcaagagacaggatgaggatcgTTTcgcatgattgaaagaatggat 2300
* 2310 * 2320 * 2330 * 2340 * 2350 * 2360 * 2370 * 2380 * 2390 * 2400 *
2301 Tgcacgcaggttctccggccgcttgggtggagaggctattccgctatgactgggcacaaacagacaatcggtgctctgatgcccgcggttccggctgtc 2400
kan r / Neo r
* 2410 * 2420 * 2430 * 2440 * 2450 * 2460 * 2470 * 2480 * 2490 * 2500 *
2401 agcgcagggcgcccgggttctTTTTgtcaagaccgacctgtccgggtgcctgaaatgaaactgcaagacgaggcagcggcgtatcgtggctggccacgacg 2500
kan r / Neo r
* 2510 * 2520 * 2530 * 2540 * 2550 * 2560 * 2570 * 2580 * 2590 * 2600 *
2501 ggcgttcccttgcgacgtgtgctcagcttgtcactgaagcgggaagggactggctgctattggcgaaagtgccggggcaggatctctgtcatctcacc 2600
kan r / Neo r
* 2610 * 2620 * 2630 * 2640 * 2650 * 2660 * 2670 * 2680 * 2690 * 2700 *
2601 ttgctcctgccgagaagtatccatcatggctgatgcaatgcccggctgcatacgttgatccggctacctgccattcgaccaccaagcgaacatcg 2700
kan r / Neo r
* 2710 * 2720 * 2730 * 2740 * 2750 * 2760 * 2770 * 2780 * 2790 * 2800 *
2701 catcgagcagcagctactcggatggaagccggcttctgctcagatgatctggacgaagagcatcaggggctcgcgccagcgaactgttcgccagg 2800
kan r / Neo r
* 2810 * 2820 * 2830 * 2840 * 2850 * 2860 * 2870 * 2880 * 2890 * 2900 *
2801 ctcaagcgagcatgcccgagcggcaggatctcgtcgtgacccatggcgatgcctgcttggcgaatatcattggtgaaaatggccgcttttctggattca 2900
kan r / Neo r
* 2910 * 2920 * 2930 * 2940 * 2950 * 2960 * 2970 * 2980 * 2990 * 3000 *
2901 tcgactgtggcggctgggtgtggcgaccgctatcaggacatagcgttggctaccgctgatattgctgaagagcttggcggcgaatgggctgaccgctt 3000
kan r / Neo r
* 3010 * 3020 * 3030 * 3040 * 3050 * 3060 * 3070 * 3080 * 3090 * 3100 *
3001 cctcgtgctttacggtatcgcgctcccgattcgcagcgcacatgccttctatcgccttcttgacgagttcttctgagcgggactctggggttcgaaatga 3100
kan r / Neo r
* 3110 * 3120 * 3130 * 3140 * 3150 * 3160 * 3170 * 3180 * 3190 * 3200 *
3101 ccgaccaagcagcgcaccaacctgccatcagagatttctgattccaccgcgccttctatgaaaggttgggcttcggaatcgTTTTccgggacgcggctg 3200
* 3210 * 3220 * 3230 * 3240 * 3250 * 3260 * 3270 * 3280 * 3290 * 3300 *
3201 gatgatcctccagcggggatctcatgctggagttcttccccccttaggggaggttaactgaaacacggaaggagacaataccggaaggaaaccgc 3300
* 3310 * 3320 * 3330 * 3340 * 3350 * 3360 * 3370 * 3380 * 3390 * 3400 *

* * * * *
3301 gctatgacggcaataaaaaagacagaataaaaacgcacgggttggtggtggttgcataaaacgcgggttcggtcccagggtggcactctgtcgatacc 3400
* * * * *
3410 3420 3430 3440 3450 3460 3470 3480 3490 3500
* * * * *
3401 caccgagaccattggggccaatacggccgctttcttcttcttccccacccccaccccccaagttcgggtgaaggccagggtcgcagccaacgtcgg 3500
* * * * *
3510 3520 3530 3540 3550 3560 3570 3580 3590 3600
* * * * *
3501 ggcggcaggccctgcatagcctcaggttactcatatatacttttagattgatttaaacttcatttttaatttaaaggatctaggtgaagatccttttt 3600
* * * * *
3610 3620 3630 3640 3650 3660 3670 3680 3690 3700
* * * * *
3601 gataatctcatgacccaaatcccttaacgtgagttttcgttccactgagcgtcagaccccgtagaaaagatcaaaggatcttcttgagatcctttttttc 3700
* * * * *
3710 3720 3730 3740 3750 3760 3770 3780 3790 3800
* * * * *
3701 tgcgcgtaaatctgctgcttgcaaaaaaaaccaccgctaccagcgggtggttggttgccggatcaagagctaccaactcttttccgaaggtaactgg 3800
* * * * *
3810 3820 3830 3840 3850 3860 3870 3880 3890 3900
* * * * *
3801 cttcagcagagcgcagataccaatactgtccttctagtgtagccgtagttaggccaccacttcaagaactctgtagcaccgctacatacctcgtctg 3900
* * * * *
3910 3920 3930 3940 3950 3960 3970 3980 3990 4000
* * * * *
3901 ctaatcctgttaccagtggtgctgccagtgccagataagtcgtgcttaccgggttgactcaagacgatagttaccggataaggcgcagcggctcgggct 4000
* * * * *
4010 4020 4030 4040 4050 4060 4070 4080 4090 4100
* * * * *
4001 gaacggggggttcgtgcacacagcccagcttgagcgaacgcctacaccgaactgagatacctacagcgtgagctatgagaaagcggccacgcttcccga 4100
* * * * *
4110 4120 4130 4140 4150 4160 4170 4180 4190 4200
* * * * *
4101 agggagaaaggcggacaggtatccggtaagcggcagggtcggaacaggagagcgcacgagggagcttccaggggaaacgcctggtatctttatagtcct 4200
* * * * *
4210 4220 4230 4240 4250 4260 4270 4280 4290 4300
* * * * *
4201 gtcgggtttcggccactctgacttgagcgtcgatttttgtgatgctcgtcagggggcggagcctatggaaaaacgcagcaacggcctttttacggt 4300
* * * * *
4310 4320 4330 4340 4350 4360 4370 4380
* * * * *
4301 tcctggccttttgcggccttttgcacatgcttcttctcgttatcccctgattctgtggataaccgtattaccgcatgcat 4386