

1510 1520 1530 1540 1550 1560 1570 1580 1590 1600
1501 tggccactacgtgaaccatcacctaatacaagttttttggggtcgaggtgccgtaaagcactaatacgaaccctaaaggagccccgatttagagct 1600

1610 1620 1630 1640 1650 1660 1670 1680 1690 1700
1601 tgacggggaaagccggcgaacgtggcgagaaaaggaaggaagaaagcgaagagcggcgctagggcgctggcaagtgtagcggtcacgctgcgcgtaa 1700

1710 1720 1730 1740 1750 1760 1770 1780 1790 1800
1701 ccaccacaccggcggcgttaatgcccgtcacagggcgcgctcaggtggcacttttcggggaaatgtgcccggaaacctatttgttttttctaaat 1800

1810 1820 1830 1840 1850 1860 1870 1880 1890 1900
1801 acattcaaatatgtatccgctcatgagacaataacctgataaatgcttcaataatattgaaaaaggaagagctcctgagcggaaagaaccagctgtgga 1900

1910 1920 1930 1940 1950 1960 1970 1980 1990 2000
1901 atgtgtcagtttagggtgtgaaagtccccaggctccccagcaggcagaagtatgcaaagcatgcatctcaattagtcagcaaccaggtgtgaaagt 2000

2010 2020 2030 2040 2050 2060 2070 2080 2090 2100
2001 cccaggctccccagcaggcagaagtatgcaaagcatgcatctcaattagtcagcaaccatagtcgcccccctaactccgccatcccccccctaactccg 2100

2110 2120 2130 2140 2150 2160 2170 2180 2190 2200
2101 cccagttccgccatttctccgccatggctgactaatttttttattatgacagagccggagccgctcgccctctgagctattccagaagtgtgag 2200

2210 2220 2230 2240 2250 2260 2270 2280 2290 2300
2201 gaggttttttgaggcctaggtctttgcaaagatcgatcaagagacaggtatgagatcgtttcgcgatgattgaacaagatggattgcacgaggttctc 2300
kan r / Neo r

2310 2320 2330 2340 2350 2360 2370 2380 2390 2400
2301 cggccgcttgggtggagaggctattcggctatgactgggcacacagacaatcggctgctctgatgccgctgttccggctgtcagcgcaggggcgccc 2400
kan r / Neo r

2410 2420 2430 2440 2450 2460 2470 2480 2490 2500
2401 ggttcttttgcgaagaccgacctgtccggtgccctgaatgaactgcaagacgagcggcggctatcgtggctggccacgacgggcttcttgcga 2500
kan r / Neo r

2510 2520 2530 2540 2550 2560 2570 2580 2590 2600
2501 gctgtgctcgacgttgtcactgaagcgggaagggactgctgctattgggcgaagtgccggggcaggatctcctgtcactcaccctgtcctgcccgaga 2600
kan r / Neo r

2610 2620 2630 2640 2650 2660 2670 2680 2690 2700
2601 aagtaccatcatggctgatgcaatgcccggctgcatacgttgccttacctgccattcgaccaccaagcgaacatcgcacgagcagcagc 2700
kan r / Neo r

2710 2720 2730 2740 2750 2760 2770 2780 2790 2800
2701 tactcggatggaagccggtcttctgctgatcaggatgatctggacgaagagcatcaggggctcgcgccagccgaactgttcgcccagctcagggcagcatg 2800
kan r / Neo r

2810 2820 2830 2840 2850 2860 2870 2880 2890 2900
2801 cccgacggcggatctcgtcgtgacccatggcgatgcctgcttgcgcaatatcatgggaaaatggccgctttctggattcactgactgtggccggc 2900
kan r / Neo r

2910 2920 2930 2940 2950 2960 2970 2980 2990 3000
2901 tgggtgtggcggaccgctatcaggacatagcgttgctaccgctgatattgctgaagagcttggcggcgaatgggctgaccgcttctcgtgctttacgg 3000
kan r / Neo r

3010 3020 3030 3040 3050 3060 3070 3080 3090 3100
3001 tatcgcgctcccgatcgcagcgcacgccttctatcgccttcttgcagagttcttctgagcgggactctggggttcgaaatgaccaccaagcagcgc 3100
kan r / Neo r

3110 3120 3130 3140 3150 3160 3170 3180 3190 3200
3101 ccaacctgccatcagagatttcgattccaccgcccttctatgaaggttgggcttcggaatcgttttcgggacgcgggctggatgatcctccagcg 3200

3210 3220 3230 3240 3250 3260 3270 3280 3290 3300
3201 cggggatctcatgctggagttcttcgccaccctagggggaggctaactgaaacacggaaggagacaataaccggaaggaaccggcgtatgacggcaata 3300

3310 3320 3330 3340 3350 3360 3370 3380 3390 3400
* * * * *
3301 aaaagacagaataaaacgcacgggtgttgggtcgtttgttcataaacgcggttcggtccagggtggcactctgtcgataccccaccgagacccatt 3400
3410 3420 3430 3440 3450 3460 3470 3480 3490 3500
* * * * *
3401 ggggccaataacgcccgctttcttctttcccccaccaccccccaagttcgggtgaaggccagggtcgcagccaacgtcggggcggcaggccctgc 3500
3510 3520 3530 3540 3550 3560 3570 3580 3590 3600
* * * * *
3501 catagcctcaggttactcatatatacttttagattgatttaaaacttcatttttaatttaaaggatctaggtgaagatcctttttgataatctcatgacc 3600
3610 3620 3630 3640 3650 3660 3670 3680 3690 3700
* * * * *
3601 aaaatcccttaacgtgagttttcgttccactgagcgtcagacccccgtagaaaagatcaaaggatcttcttgagatcctttttttcgcgcgtaaatctgct 3700
3710 3720 3730 3740 3750 3760 3770 3780 3790 3800
* * * * *
3701 gcttgcaacaaaaaacaccgctaccagcgggtgttgggttccggatcaagagctaccaactctttttccgaggttaactggcttcagcagagcgca 3800
3810 3820 3830 3840 3850 3860 3870 3880 3890 3900
* * * * *
3801 gataccaaatactgtccttctagtgtagccgttagtgccaccacttcaagaactctgtagcaccgctacatacctcgtctgctaatacctggtacca 3900
3910 3920 3930 3940 3950 3960 3970 3980 3990 4000
* * * * *
3901 gtggctgctgccagtgccgataagtcgtgtcttaccgggttgactcaagacgatagttaccggataaggcgcagcgggtcgggtgaacggggggttcgt 4000
4010 4020 4030 4040 4050 4060 4070 4080 4090 4100
* * * * *
4001 gcacacagcccagcttgagcgaacgacctacaccgaactgagatactacagcgtgagctatgagaagcgcacgcttcccgaagggagaaggcgga 4100
4110 4120 4130 4140 4150 4160 4170 4180 4190 4200
* * * * *
4101 caggtatccggtaagcggcagggtcggaaacaggagagcgcacgaggagcttccaggggaaacgcctggtatctttatagtcctgctcgggtttccac 4200
4210 4220 4230 4240 4250 4260 4270 4280 4290 4300
* * * * *
4201 ctctgacttgagcgtcgtatctttgtgatgctcgtcagggggcggagcctatggaaaacgccagcaacgcggcctttttacggttctcggccttttgc 4300
4310 4320 4330 4340 4350 4360 4370
* * * * *
4301 ggccttttgctcacatgttctttctcgttatccctgattctgtggataaccgtattaccgcatgcat 4371