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      1610      1620      1630      1640      1650      1660      1670      1680      1690      1700
1601 gctagggcgctggcaagtgtagcgggtcacgctgcgcgttaaccaccacacccgccgcgttaatgcgccgtacagggcgcgctcaggtggcacttttcggg 1700
      1710      1720      1730      1740      1750      1760      1770      1780      1790      1800
1701 gaaatgtgcgcggaaccctatttgtttatttttctaaatacatccaatatgtatccgctcatgagacaataaccctgataaatgcttcaataatttg 1800
      1810      1820      1830      1840      1850      1860      1870      1880      1890      1900
1801 aaaaggaagagtcctgaggcggaagaaccagctgtggaatgtgtgtcagttagggtgtggaagtccccaggctccccagcaggcagaagtatgcaaa 1900
      1910      1920      1930      1940      1950      1960      1970      1980      1990      2000
1901 gcatgcattctcaattagtgcgaaccaggtgtggaagtccccaggctccccagcaggcagaagtatgcaaagcatgcattctcaattagtgcgaaccat 2000
      2010      2020      2030      2040      2050      2060      2070      2080      2090      2100
2001 agtcccgccctaaactccgcatcccgccctaaactccgcatcccgccctccgcccattccgcccattggctgactaattttttatttatgcagagggc 2100
      2110      2120      2130      2140      2150      2160      2170      2180      2190      2200
2101 gagcgccgctcggtctgtgagctattccagaagtgtgaggaggcttttttgaggcgctaggcttttgcaaagatcgatcaagagacaggatgaggatcg 2200
      2210      2220      2230      2240      2250      2260      2270      2280      2290      2300
2201 tttcgcgatgattgaacaagatggattgcacgcaggttctccggccgcttggtggagaggctattcggtatgactgggcacacagacaatcggtgct 2300
      >
      kan r / Neo r
      2310      2320      2330      2340      2350      2360      2370      2380      2390      2400
2301 ctgatcccgcggtgttccggtgtcagcgcagggcgcccggttctttttgtcaagaccgacctgtccggtgcctgaatgaactgcaagacgaggcagc 2400
      >
      kan r / Neo r
      2410      2420      2430      2440      2450      2460      2470      2480      2490      2500
2401 gcggtatcgtggttggccacgacggcggttcccttgcgcagctgtgtcgcagctgtcactgaagcggggaagggactggctgctattggggcaagtgcg 2500
      >
      kan r / Neo r
      2510      2520      2530      2540      2550      2560      2570      2580      2590      2600
2501 gggcaggatctcctgtcattcacttgcctcctgcgcgagaaagtatccatcatggctgatgcaatgcggcggtgtcatacgttgatccgggtacctgcc 2600
      >
      kan r / Neo r
      2610      2620      2630      2640      2650      2660      2670      2680      2690      2700
2601 cattcgaccaccaagcgaacatcgcatcgagcgagcagctactcggatggaagccggtcttgcgtcagatcaggatgatctggacgaagagcatcaggggt 2700
      >
      kan r / Neo r
      2710      2720      2730      2740      2750      2760      2770      2780      2790      2800
2701 cgcgccagccgaactgttcgcaggtcaaggcgagcatgcccgacggcgaggatctcgtcgtgacccatggcgatgcctgcttgcggaatatcatggtg 2800
      >
      kan r / Neo r
      2810      2820      2830      2840      2850      2860      2870      2880      2890      2900
2801 gaaaatggccgcttttctggttcactgcactgtggccggtgggtgtggcgaccgctatcaggacatagcgttggtaccctgatattgctgaagagc 2900
      >
      kan r / Neo r
      2910      2920      2930      2940      2950      2960      2970      2980      2990      3000
2901 ttggcggcgaatgggtgaccgcttctcgtgctttacggtatcgccgctcccgattcgagcgcatcgcttctatcgcttcttgacgagttcttctg 3000
      >
      kan r / Neo r
      3010      3020      3030      3040      3050      3060      3070      3080      3090      3100
3001 agcgggactctggggttcgaaatgaccgaccaagcgacgcccacctgccatcagagatttcgattccaccgccgcttctatgaaagggtgggttcg 3100
      >
      kan r / Neo r
      3110      3120      3130      3140      3150      3160      3170      3180      3190      3200
3101 gaatcgttttccgggacgcggctggatgatcctccagcgcggggatctcatgctggagtcttccgccaccctagggggaggctaactgaaacacggaa 3200
      3210      3220      3230      3240      3250      3260      3270      3280      3290      3300
3201 ggagacaataaccgaaggaaacccgcgctatgacggcaataaaaagacagaataaaacgcacgggtgttggtcggttgttcataaacgcgggggttcggtcc 3300
      3310      3320      3330      3340      3350      3360      3370      3380      3390      3400
3301 cagggtggcactctgtcgatacccacccagaccccatggggccaataacgcccgcgtttcttcttcttcccccaccccccacccccaagttcgggtgaag 3400

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      3410      3420      3430      3440      3450      3460      3470      3480      3490      3500
*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
3401 gccagggtcgcagccaacgtcgggcggcaggccctgccatagcctcaggttactcatatatacttttagattgatttaaaacttcatttttaatttaa 3500
      3510      3520      3530      3540      3550      3560      3570      3580      3590      3600
*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
3501 aaggatctaggtgaagatcctttttgataatctcatgaccaaatacccttaacgtgagttttcgttccactgagcgtcagaccccgtagaaaagatcaaa 3600
      3610      3620      3630      3640      3650      3660      3670      3680      3690      3700
*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
3601 ggatcttcttgagatccttttttctgctgtaatctgctgttgcaaacacaccccgctaccagcgggtgttggttgccggatcaagagctac 3700
      3710      3720      3730      3740      3750      3760      3770      3780      3790      3800
*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
3701 caactctttttccgaaggttaactggcttcagcagagcgcagataccaaataactgtccttctagtgtagcgttagttaggccaccacttcaagaactctgt 3800
      3810      3820      3830      3840      3850      3860      3870      3880      3890      3900
*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
3801 agcaccgcctacatacctcgctctgctaatacctgttaccagtggctgctgccagtggcgataagtcgtgtcttaccgggttggaactcaagacgatagtta 3900
      3910      3920      3930      3940      3950      3960      3970      3980      3990      4000
*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
3901 ccggataaggcgagcgggtcggtgaacggggggttcgtgcacacagcccagcttgagcgaacgacctacaccgaactgagatacctacagcgtgagc 4000
      4010      4020      4030      4040      4050      4060      4070      4080      4090      4100
*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
4001 tatgagaaagcgccacgcttcccgaaggagaaagcggcagaggtatccggtaagcggcagggtcggaacaggagagcgcacgaggggagcttccaggggg 4100
      4110      4120      4130      4140      4150      4160      4170      4180      4190      4200
*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
4101 aaacgcctggtatctttatagtcctgctcggtttcgccacctctgacttgagcgtcgatttttgtgatgctcgtcagggggcgagcctatggaaaaac 4200
      4210      4220      4230      4240      4250      4260      4270      4280      4290      4300
*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
4201 gccagcaacgcggccttttttacggttcttgcccttttgcctgttgcacatgttcttctcgttatccctgattctgtggataaccgtatta 4300
      4310
*   *
4301 ccgccatgcat 4311

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