Wed Jul 17, 2019 16:50 CEST
pAG328-td-iFAST.ape
Text Map

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             10        20        30        40        50        60        70        80        90       100
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
   1 tagttattaatagtaatcaattacggggtcattagttcatagcccatatatggagttccgcgttacataacttacggtaaatggcccgcctggctgaccg 100
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     CMV promoter

             110       120       130       140       150       160       170       180       190       200
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
 101 cccaacgacccccgcccattgacgtcaataatgacgtatgttcccatagtaacgccaatagggactttccattgacgtcaatgggtggagtatttacggt 200
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     CMV promoter

             210       220       230       240       250       260       270       280       290       300
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
 201 aaactgcccacttggcagtacatcaagtgtatcatatgccaagtacgccccctattgacgtcaatgacggtaaatggcccgcctggcattatgcccagta 300
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     CMV promoter

             310       320       330       340       350       360       370       380       390       400
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
 301 catgaccttatgggactttcctacttggcagtacatctacgtattagtcatcgctattaccatggtgatgcggttttggcagtacatcaatgggcgtgga 400
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     CMV promoter

             410       420       430       440       450       460       470       480       490       500
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
 401 tagcggtttgactcacggggatttccaagtctccaccccattgacgtcaatgggagtttgttttggcaccaaaatcaacgggactttccaaaatgtcgta 500
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     CMV promoter

             510       520       530       540       550       560       570       580       590       600
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
 501 acaactccgccccattgacgcaaatgggcggtaggcgtgtacggtgggaggtctatataagcagagctggtttagtgaaccgtcagatccgctagcgcta 600
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     CMV promoter

             610       620       630       640       650       660       670       680       690       700
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
 601 ccggactcagatctgccaccGAACATGTCGCCTTCGGCAGCGAGGATATCGAGAACACTCTGGCTAAGATGGATGACGGGCAACTGGACGGCTTGGCATT 700
                         >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
                         td-iFAST

             710       720       730       740       750       760       770       780       790       800
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
 701 CGGGGCCATTCAACTGGACGGGGACGGTAATATTCTCCAGTACAATGCAGCTGAAGGTGACATAACTGGACGTGATCCTAAACAAGTGATTGGCAAGAAT 800
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     td-iFAST

             810       820       830       840       850       860       870       880       890       900
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
 801 TTCTTCAAAGATGTTGCTCCCGGCACCGATTCACCTGAGTTTTACGGGAAGTTCAAAGAGGGCGTTGCCTCCGGCAACCTCAACACTATGTTCGAATGGA 900
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     td-iFAST

             910       920       930       940       950       960       970       980       990      1000
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
 901 TGATACCGACAAGCAGAGGCCCAACCAAGGTAAAAaTTCATATGAAGAAAGCTCTGTCTGGAGACTCTTATTGGGTGTTTGTGAAGAGAGTCGGCGGCGG 1000
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     td-iFAST

            1010      1020      1030      1040      1050      1060      1070      1080      1090      1100
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
1001 CTCCGGAGGAGGAGAACACGTTGCCTTTGGCTCTGAGGATATCGAAAATACGCTGGCCAAAATGGATGACGGTCAGCTGGATGGCCTGGCATTCGGAGCC 1100
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     td-iFAST

            1110      1120      1130      1140      1150      1160      1170      1180      1190      1200
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
1101 ATACAGCTTGACGGCGATGGAAACATCCTCCAGTACAACGCCGCGGAGGGTGACATTACCGGTCGCGATCCAAAACAGGTTATTGGCAAGAACTTCTTTA 1200
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     td-iFAST

            1210      1220      1230      1240      1250      1260      1270      1280      1290      1300
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
1201 AGGACGTTGCACCCGGGACTGACTCTCCCGAATTTTACGGAAAGTTCAAGGAAGGGGTGGCATCTGGCAATCTTAATACAATGTTTGAATGGATGATTCC 1300
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     td-iFAST

            1310      1320      1330      1340      1350      1360      1370      1380      1390      1400
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
1301 TACTAGTAGAGGACCAACAAAGGTGAAGaTcCACATGAAGAAAGCCTTGTCCGGCGACTCCTACTGGGTCTTTGTGAAACGGGTGGGATCCGAACAAAAG 1400
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     td-iFAST                                                                                  >>>>>>>>>>
                                                                                               C-Myc

            1410      1420      1430      1440      1450      1460      1470      1480      1490      1500
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
```

```
1401 CTTATTTCTGAAGAGGACTTGtaatagGCGGCCGCgactctagatcataatcagccataccacatttgtagaggttttacttgctttaaaaaacctccca 1500
     >>>>>>>>>>>>>>>>>>>>>
     C-Myc

           1510      1520      1530      1540      1550      1560      1570      1580      1590      1600
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
1501 cacctccccctgaacctgaaacataaaatgaatgcaattgttgttgttaacttgtttattgcagcttataatggttacaaataaagcaatagcatcacaa 1600
                                                                                     >>>>>>>>>>>>>>>>>>>>
                                                                                     SV40 polyA

           1610      1620      1630      1640      1650      1660      1670      1680      1690      1700
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
1601 atttcacaaataaagcatttttttcactgcattctagttgtggtttgtccaaactcatcaatgtatcttaaggcgtaaattgtaagcgttaatattttgt 1700
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     SV40 polyA

           1710      1720      1730      1740      1750      1760      1770      1780      1790      1800
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
1701 taaaattcgcgttaaatttttgttaaatcagctcattttttaaccaataggccgaaatcggcaaaatcccttataaatcaaaagaatagaccgagatagg 1800

           1810      1820      1830      1840      1850      1860      1870      1880      1890      1900
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
1801 gttgagtgttgttccagtttggaacaagagtccactattaaagaacgtggactccaacgtcaaagggcgaaaaaccgtctatcagggcgatggcccacta 1900

           1910      1920      1930      1940      1950      1960      1970      1980      1990      2000
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
1901 cgtgaaccatcaccctaatcaagttttttggggtcgaggtgccgtaaagcactaaatcggaaccctaaagggagcccccgatttagagcttgacggggaa 2000

           2010      2020      2030      2040      2050      2060      2070      2080      2090      2100
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
2001 agccggcgaacgtggcgagaaaggaagggaagaaagcgaaaggagcgggcgctagggcgctggcaagtgtagcggtcacgctgcgcgtaaccaccacacc 2100

           2110      2120      2130      2140      2150      2160      2170      2180      2190      2200
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
2101 cgccgcgcttaatgcgccgctacagggcgcgtcaggtggcacttttcggggaaatgtgcgcggaacccctatttgtttatttttctaaatacattcaaat 2200

           2210      2220      2230      2240      2250      2260      2270      2280      2290      2300
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
2201 atgtatccgctcatgagacaataaccctgataaatgcttcaataatattgaaaaaggaagagtcctgaggcggaaagaaccagctgtggaatgtgtgtca 2300

           2310      2320      2330      2340      2350      2360      2370      2380      2390      2400
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
2301 gttagggtgtggaaagtccccaggctccccagcaggcagaagtatgcaaagcatgcatctcaattagtcagcaaccaggtgtggaaagtccccaggctcc 2400

           2410      2420      2430      2440      2450      2460      2470      2480      2490      2500
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
2401 ccagcaggcagaagtatgcaaagcatgcatctcaattagtcagcaaccatagtcccgcccctaactccgcccatcccgcccctaactccgcccagttccg 2500

           2510      2520      2530      2540      2550      2560      2570      2580      2590      2600
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
2501 cccattctccgccccatggctgactaattttttttatttatgcagaggccgaggccgcctcggcctctgagctattccagaagtagtgaggaggcttttt 2600

           2610      2620      2630      2640      2650      2660      2670      2680      2690      2700
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
2601 tggaggcctaggcttttgcaaagatcgatcaagagacaggatgaggatcgtttcgcatgattgaacaagatggattgcacgcaggttctccggccgcttg 2700
                                                         >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
                                                         kan r / Neo r

           2710      2720      2730      2740      2750      2760      2770      2780      2790      2800
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
2701 ggtggagaggctattcggctatgactgggcacaacagacaatcggctgctctgatgccgccgtgttccggctgtcagcgcaggggcgcccggttcttttt 2800
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     kan r / Neo r

           2810      2820      2830      2840      2850      2860      2870      2880      2890      2900
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
2801 gtcaagaccgacctgtccggtgccctgaatgaactgcaagacgaggcagcgcggctatcgtggctggccacgacgggcgttccttgcgcagctgtgctcg 2900
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     kan r / Neo r

           2910      2920      2930      2940      2950      2960      2970      2980      2990      3000
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
2901 acgttgtcactgaagcgggaagggactggctgctattgggcgaagtgccggggcaggatctcctgtcatctcaccttgctcctgccgagaaagtatccat 3000
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     kan r / Neo r

           3010      3020      3030      3040      3050      3060      3070      3080      3090      3100
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
3001 catggctgatgcaatgcggcggctgcatacgcttgatccggctacctgcccattcgaccaccaagcgaaacatcgcatcgagcgagcacgtactcggatg 3100
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     kan r / Neo r

           3110      3120      3130      3140      3150      3160      3170      3180      3190      3200
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
3101 gaagccggtcttgtcgatcaggatgatctggacgaagagcatcaggggctcgcgccagccgaactgttcgccaggctcaaggcgagcatgcccgacggcg 3200
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     kan r / Neo r

           3210      3220      3230      3240      3250      3260      3270      3280      3290      3300
```

```
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
3201 aggatctcgtcgtgacccatggcgatgcctgcttgccgaatatcatggtggaaaatggccgcttttctggattcatcgactgtggccggctgggtgtggc 3300
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     kan r / Neo r

           3310      3320      3330      3340      3350      3360      3370      3380      3390      3400
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
3301 ggaccgctatcaggacatagcgttggctacccgtgatattgctgaagagcttggcggcgaatgggctgaccgcttcctcgtgctttacggtatcgccgct 3400
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     kan r / Neo r

           3410      3420      3430      3440      3450      3460      3470      3480      3490      3500
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
3401 cccgattcgcagcgcatcgccttctatcgccttcttgacgagttcttctgagcgggactctggggttcgaaatgaccgaccaagcgacgcccaacctgcc 3500
     >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
     kan r / Neo r

           3510      3520      3530      3540      3550      3560      3570      3580      3590      3600
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
3501 atcacgagatttcgattccaccgccgccttctatgaaaggttgggcttcggaatcgttttccgggacgccggctggatgatcctccagcgcggggatctc 3600

           3610      3620      3630      3640      3650      3660      3670      3680      3690      3700
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
3601 atgctggagttcttcgcccaccctagggggaggctaactgaaacacggaaggagacaataccggaaggaacccgcgctatgacggcaataaaaagacaga 3700

           3710      3720      3730      3740      3750      3760      3770      3780      3790      3800
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
3701 ataaaacgcacggtgttgggtcgtttgttcataaacgcggggttcggtcccagggctggcactctgtcgataccccaccgagaccccattggggccaata 3800

           3810      3820      3830      3840      3850      3860      3870      3880      3890      3900
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
3801 cgcccgcgtttcttccttttccccaccccaccccccaagttcgggtgaaggcccagggctcgcagccaacgtcggggcggcaggccctgccatagcctca 3900

           3910      3920      3930      3940      3950      3960      3970      3980      3990      4000
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
3901 ggttactcatatatactttagattgatttaaaacttcatttttaatttaaaaggatctaggtgaagatcctttttgataatctcatgaccaaaatccctt 4000

           4010      4020      4030      4040      4050      4060      4070      4080      4090      4100
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
4001 aacgtgagttttcgttccactgagcgtcagaccccgtagaaaagatcaaaggatcttcttgagatcctttttttctgcgcgtaatctgctgcttgcaaac 4100

           4110      4120      4130      4140      4150      4160      4170      4180      4190      4200
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
4101 aaaaaaaccaccgctaccagcggtggtttgtttgccggatcaagagctaccaactctttttccgaaggtaactggcttcagcagagcgcagataccaaat 4200

           4210      4220      4230      4240      4250      4260      4270      4280      4290      4300
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
4201 actgtccttctagtgtagccgtagttaggccaccacttcaagaactctgtagcaccgcctacatacctcgctctgctaatcctgttaccagtggctgctg 4300

           4310      4320      4330      4340      4350      4360      4370      4380      4390      4400
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
4301 ccagtggcgataagtcgtgtcttaccgggttggactcaagacgatagttaccggataaggcgcagcggtcgggctgaacggggggttcgtgcacacagcc 4400

           4410      4420      4430      4440      4450      4460      4470      4480      4490      4500
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
4401 cagcttggagcgaacgacctacaccgaactgagatacctacagcgtgagctatgagaaagcgccacgcttcccgaagggagaaaggcggacaggtatccg 4500

           4510      4520      4530      4540      4550      4560      4570      4580      4590      4600
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
4501 gtaagcggcagggtcggaacaggagagcgcacgagggagcttccagggggaaacgcctggtatctttatagtcctgtcgggtttcgccacctctgacttg 4600

           4610      4620      4630      4640      4650      4660      4670      4680      4690      4700
         *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
4601 agcgtcgatttttgtgatgctcgtcaggggggcggagcctatggaaaaacgccagcaacgcggcctttttacggttcctggccttttgctggccttttgc 4700

           4710      4720      4730      4740      4750      4760
         *    *    *    *    *    *    *    *    *    *    *    *
4701 tcacatgttctttcctgcgttatcccctgattctgtggataaccgtattaccgccatgcat 4761
```