

Wed Jul 17, 2019 16:47 CEST  
pAG247-iFAST.ape  
Text Map

map

10 20 30 40 50 60 70 80 90 100

1 TGGCGAATGGGACGCGCCCTGTAGCGGGCGCATTAAGCGCGGGCGGTGTGGTGGTTACGCGCAGCGTGACCGCTACACTTGGCCAGCGCCCTAGCGCCCGCT 100

110 120 130 140 150 160 170 180 190 200

101 CCTTTCGCTTTCTTCCCTTCCCTTTCTCGCCACGTTTCGCCGGCTTTCCCGCTCAAGCTCTAAATCGGGGGCTCCCTTTAGGGTTCCGATTTAGTGCTTTAC 200

210 220 230 240 250 260 270 280 290 300

201 GGCACCTCGACCCCAAAAACTTGATTAGGGTGATGGTTACAGTAGTGGCCATCGCCCTGATAGACGTTTTTCGCCCTTTGACGTTGGAGTCCACGTT 300

310 320 330 340 350 360 370 380 390 400

301 CTTTAATAGTGGACTCTTGTTTCCAACTGGAACAACACTCAACCCCTATCTCGGTCTATTCTTTTGATTATATAAGGGATTGTGCCGATTTTCGGCCTATTGG 400

410 420 430 440 450 460 470 480 490 500

401 TTAaaaaatGAGCTGATTAAcaaaaaTTTAACGCGAATTTTAcaaaaaATTAACGTTTACAATTTcAGTGGCACTTTTCGGGGAATGTGCGCGGAA 500

510 520 530 540 550 560 570 580 590 600

501 CCCCTATTGTGTTATTTTCTAAATACATTCAAATATGTATCCGCTCATGAATTAATTCTTAGAAAACTCATCGAGCATCAAATGAACTGCAATTTAT 600

610 620 630 640 650 660 670 680 690 700

601 TCATATCAGGATTATCAATACCATATTTTTGAAAAAGCGTTTCTGTAATGAAGGAGAAAACTCACCGAGGCAGTTCCATAGGATGGCAAGATCCTGGTA 700

710 720 730 740 750 760 770 780 790 800

701 TCGGTCTCGGATTCCGACTCGTCCAACATCAATACAACCTATTAATTTCCCGCTCGTCAAAAAAAGGTTATCAAGTGAGAAATCACCATGAGTGACGACT 800

810 820 830 840 850 860 870 880 890 900

801 GAATCCGGTGAGAAATGGCAAAAGTTTATGCATTTCTTTCCAGACTTGTTCAACAGGCCAGCCATTACGTCGTCATCAAATCACTCGCATCAACCAAAAC 900

910 920 930 940 950 960 970 980 990 1000

901 CGTTATTcATTcGTGATTcGCGCTGAGCGAGACGAAATACGCGATCGCTGTTAAAGGACAATTACAAACAGGAATCGAATGCAACCGGCGCAGGAACAC 1000

1010 1020 1030 1040 1050 1060 1070 1080 1090 1100

1001 TGCCAGCGCATCAACAATATTTTACCTGAATCAGGATATTCTTCTAAATACCTGGAATGCTGTTTTCCGGGGATCGCAGTGGTGAGTAACCATGCATCA 1100

1110 1120 1130 1140 1150 1160 1170 1180 1190 1200

1101 TCAGGAGTACGGATAAAATGCTTGATGGTCGGAAGAGGCATAAATTCGTCAGCCAGTTTAGTCTGACCATCTCATCTGTAACATCATTGGCAACGCTAC 1200

1210 1220 1230 1240 1250 1260 1270 1280 1290 1300

1201 CTTTGCCATGTTTCAGAAACAACTCTGGCGCATCGGGCTTCCCATACAATCGATAGATTGTGCGACCTGATTGCCGACATTATCGCGAGCCCAATTTATA 1300

1310 1320 1330 1340 1350 1360 1370 1380 1390 1400

1301 CCCATATAAATCAGCATCCATGTTGGAATTTAATCGCGCGCTAGAGCAAGACGTTTCCCGTTGAATATGGCTCATAACACCCCTTGATTACTGTTTATG 1400

1410 1420 1430 1440 1450 1460 1470 1480 1490 1500

1401 TAAGCAGACAGTTTATTGTTTCATGACCAAAATCCCTTAACGTGAGTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTTGA 1500

1510 1520 1530 1540 1550 1560 1570 1580 1590 1600

1501 GATCCTTTTTTTCTGCGCGTAATCTGCTGCTTGCAACAAAAAACCACCGCTACCAGCGGTGGTTTGTTTGCCGGATCAAGAGCTACCAACTCTTTTTTC 1600

1610 1620 1630 1640 1650 1660 1670 1680 1690 1700

1601 CGAAGGTAACGGCTTCAGCAGAGCGCAGATACCAAAATCTGCTCTTCTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACC GGCTAC 1700

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      1710      1720      1730      1740      1750      1760      1770      1780      1790      1800
1701 ATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGTGTCTTACCGGGTTGGAAGTCAAGACGATAGTTACCGGATAAGGCG 1800
      1810      1820      1830      1840      1850      1860      1870      1880      1890      1900
1801 CAGCGGTGGGCTGAACGGGGGTTTCGTGCACACAGCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACCTACAGCGTGAGCTATGAGAAAGCG 1900
      1910      1920      1930      1940      1950      1960      1970      1980      1990      2000
1901 CCACGCTTCCCGAAGGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTCGGAACAGGAGAGCGCACAGGGGAGCTTCCAGGGGGAACGCCCTGGTA 2000
      2010      2020      2030      2040      2050      2060      2070      2080      2090      2100
2001 TCTTTATAGTCTGTGCGGGTTTCGCCACCTCTGACTTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGCGGAGCCTATGAAAAACGCCAGCAACGCG 2100
      2110      2120      2130      2140      2150      2160      2170      2180      2190      2200
2101 GCCTTTTACGGTTCTTGGCCTTTTGGCTGGCCTTTTGCCTACATGTTCTTTCCTGCGTTATCCCTGATTCTGTGGATAACCGTATTACCGCCTTTGAGT 2200
      2210      2220      2230      2240      2250      2260      2270      2280      2290      2300
2201 GAGCTGATACCGCTCGCCGACGCCAAGACCGAGCGCAGCGAGTCAGTGAGCGAGGAAGCGGAAGAGCGCCTGATGCGGTATTTTCTCTTACGCATCT 2300
      2310      2320      2330      2340      2350      2360      2370      2380      2390      2400
2301 GTGCGGTATTTACACCCGCATATATGGTGCACTCTCAGTACAATCTGCTCTGATGCCGCATAGTTAAGCCAGTATACACTCCGCTATCGCTACGTGACTG 2400
      2410      2420      2430      2440      2450      2460      2470      2480      2490      2500
2401 GGTATGGCTGCGCCCCGACACCCGCCAACCCCGCTGACGCGCCCTGACGGGCTTGCTGCTCCCGCATCCGCTTACAGACAAGCTGTGACCGTCTCC 2500
      2510      2520      2530      2540      2550      2560      2570      2580      2590      2600
2501 GGGAGCTGCATGTGTGAGAGGTTTTCACCGTCATACCCGAAACGCGCGAGGCGAGCTGCGGTAAAGCTCATCAGCGTGGTCGTGAAGCGATTACAGATGT 2600
      2610      2620      2630      2640      2650      2660      2670      2680      2690      2700
2601 CTGCCTGTTTCATCCGCTCCAGCTCGTTGAGTTTCTCCAGAAGCGTTAATGTCTGGCTTCTGATAAAGCGGGCCATGTTAAGGGCGGTTTTTCTCTGTTT 2700
      2710      2720      2730      2740      2750      2760      2770      2780      2790      2800
2701 GGTCACTGATGCTCCGTGTAAGGGGATTTCTGTTTCATGGGGTAATGATACCGATGAACGAGAGGATGCTCACGATACGGGTTACTGATGATGAA 2800
      2810      2820      2830      2840      2850      2860      2870      2880      2890      2900
2801 CATGCCCGGTTACTGGAACGTTGTGAGGGTAAACAACCTGGCGGTATGGATGCGCGGGACAGAGAAAAATCACTCAGGGTCAATGCCAGCGCTTCGTTA 2900
      2910      2920      2930      2940      2950      2960      2970      2980      2990      3000
2901 ATACAGATGTAGTGTTCCACAGGGTAGCCAGCAGCATCTGCGATGCAGATCCGGAACATAATGGTGCAGGGCGCTGACTTCCGCGTTTCCAGACTTTA 3000
      3010      3020      3030      3040      3050      3060      3070      3080      3090      3100
3001 CGAAACACGGAACCGAAGACCATTCATGTTGTTGCTCAGGTCGACAGCTTTTGACAGCAGTCGCTTCACGTTTCGCTCGCGTATCGGTGATTCATTC 3100
      3110      3120      3130      3140      3150      3160      3170      3180      3190      3200
3101 TGCTAACCAAGCAACCCCGCCAGCCTAGCCGGGTCTCAACGACAGGAGCACGATCATGCGCACCCGTGGGGCCGCATGCCGGCGATAATGGCCT 3200
      3210      3220      3230      3240      3250      3260      3270      3280      3290      3300
3201 GCTTCTCGCCGAAACGTTTGGTGGCGGGACAGTGACGAAGGCTTGAGCGAGGGCGTGCAAGATTCCGAATACCGCAAGCGACAGGCCGATCATCGTCGC 3300
      3310      3320      3330      3340      3350      3360      3370      3380      3390      3400
3301 GCTCCAGCGAAAGCGGTCTCGCCGAAAAAGACCCAGAGCGCTGCCGCGACCTGTCTACGAGTTGCATGATAAAGAAGACAGTCATAAGTGCGGCGACG 3400
      3410      3420      3430      3440      3450      3460      3470      3480      3490      3500
3401 ATAGTCATGCCCCGCCGCCACCGGAAGGAGCTGACTGGGTGGAAGGCTCFAAGGGCATCGGTGAGATCCCGGTGCCTAATGAGTGAGCTAACTTACAT 3500
      3510      3520      3530      3540      3550      3560      3570      3580      3590      3600
3501 TAATTGCGTTGCGCTCACTGCCCGCTTTCCAGTCGGGAAACCTGTGCTGCGAGCTGCATTAATGAATCGGCCAACGCGCGGGGAGAGGCGGTTTGCCTAT 3600
      3610      3620      3630      3640      3650      3660      3670      3680      3690      3700
3601 TGGGCGCCAGGGTGGTTTTTCTTTTACCAGTGAGACGGGCAACAGCTGATTGCCCTTACCAGCTGGCCCTGAGAGAGTTGCAGCAAGCGGTCACGCT 3700
      3710      3720      3730      3740      3750      3760      3770      3780      3790      3800
3701 GGTTCGCCCCAGCAGGCGAAAACTCTGTTGATGGTGGTTAACGGCGGGATATAACATGAGCTGTCTTCGGTATCGTCGTATCCCACTACCAGATATCC 3800

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3810 3820 3830 3840 3850 3860 3870 3880 3890 3900  
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3801 GCACCAACGCGCAGCCCGGACTCGGTAATGGCGCGCATTTGCGCCAGCGCCATCTGATCGTTGGCAACCAGCATCGCAGTGGGAACGATGCCCTCATTCA 3900  
LacI  
3910 3920 3930 3940 3950 3960 3970 3980 3990 4000  
\* \* \* \* \*  
3901 GCATTTGCATGGTTTGTGAAAAACGGACATGGCACTCCAGTCGCCTTCCCGTTCGCTATCGGTGAATTTGATTGCGAGTGAGATATTTATGCCAGCC 4000  
LacI  
4010 4020 4030 4040 4050 4060 4070 4080 4090 4100  
\* \* \* \* \*  
4001 AGCCAGACGCGAGCGCGGAGACAGAACTTAATGGGCCCCGCTAACAGCGCGATTTGCTGGTGACCAATGCGACCAGATGCTCCAGGCCAGTCGCGTA 4100  
LacI  
4110 4120 4130 4140 4150 4160 4170 4180 4190 4200  
\* \* \* \* \*  
4101 CCGTCTTCATGGGAGAAAATAATACTGTTGATGGGTGTCTGGTCAGAGACATCAAGAAATAACGCCGAACATTAGTGCAGGCAGCTTCCACAGCAATGG 4200  
LacI  
4210 4220 4230 4240 4250 4260 4270 4280 4290 4300  
\* \* \* \* \*  
4201 CATCCTGGTCATCCAGCGGATAGTTAATGATCAGCCACTGACGCGTTGCGCGAGAAGATTGTGCACCGCCGCTTTACAGGCTTCGACGCCGCTTCGTTC 4300  
LacI  
4310 4320 4330 4340 4350 4360 4370 4380 4390 4400  
\* \* \* \* \*  
4301 TACCATCGACACCACCACGCTGGCACCCAGTTGATCGCGCGAGATTTAATCGCCGCGACAATTTGCGACGGCGCGTGCAGGGCCAGACTGGAGGTGGCA 4400  
LacI  
4410 4420 4430 4440 4450 4460 4470 4480 4490 4500  
\* \* \* \* \*  
4401 ACGCCAATCAGCAACGACTGTTTGCCCGCCAGTTGTTGTGCCACGCGGTTGGGAATGTAATTACAGTCCGCCATCGCCGCTTCCACTTTTCCCGCGTTT 4500  
LacI  
4510 4520 4530 4540 4550 4560 4570 4580 4590 4600  
\* \* \* \* \*  
4501 TCGCAGAAACGTGGCTGGCCTGGTTACCACGCGGAAACGGTCTGATAAGAGACACCGGCATACTCTGCGACATCGTATAACGTTACTGGTTTCACATT 4600  
LacI  
4610 4620 4630 4640 4650 4660 4670 4680 4690 4700  
\* \* \* \* \*  
4601 CACCACCCTGAATTGACTCTCTTCCGGGCGCTATCATGCCATACCGCAAAGGTTTTGCGCCATTTCGATGGTGTCCGGGATCTCGACGCTCTCCCTTATG 4700  
4710 4720 4730 4740 4750 4760 4770 4780 4790 4800  
\* \* \* \* \*  
4701 CGACTCTGCTATTAGGAAGCAGCCAGTAGTAGGTTGAGGCGGTTGAGCACCGCCGCGCAAGGAATGGTGCATGCAAGGAGATGGCGCCCAACAGTCCC 4800  
4810 4820 4830 4840 4850 4860 4870 4880 4890 4900  
\* \* \* \* \*  
4801 CCGGCCACGGGGCTGCCACCATAACCACGCCGAAACAAGCGCTCATGAGCCCGAAGTGCGGAGCCGATCTTCCCATCGGTGATGTGGCGATATAGG 4900  
4910 4920 4930 4940 4950 4960 4970 4980 4990 5000  
\* \* \* \* \*  
4901 CGCCAGCAACCGCACCTGTGGCGCCGGTGATGCCGCCACGATGCGTCCGGCGTAGAGGATCGAGATCTCGATCCCGCGAAATTAATACGACTCACTATA 5000  
t7 promoter  
5010 5020 5030 5040 5050 5060 5070 5080 5090 5100  
\* \* \* \* \*  
5001 GGGGAATTGTGAGCGGATAACAATTCCCTCTAGAAATAATTTGTTTAACTTTAAGAAGGAGATATACCATGGGCAGCAGCCATCATCATCATCAC 5100  
His-tag1  
5110 5120 5130 5140 5150 5160 5170 5180 5190 5200  
\* \* \* \* \*  
5101 AGCAGCGGCTGGTGCCGCGCGCAGCCATATGGTAGCgaaaacctgtatthtcagggcATGGAGCATGTTGCCTTTGGCAGTGAGGACATCGAGAACA 5200  
thrombin  
tev  
iFAST  
tev  
5210 5220 5230 5240 5250 5260 5270 5280 5290 5300  
\* \* \* \* \*  
5201 CTCTGGCCAAAATGGACACGGACAAGTGGATGGGTTGGCCTTTGGCGCAATTCAGCTCGATGGTGACGGGAATATCCTGCAGTCAATGCTGCTGAAGG 5300  
iFAST  
5310 5320 5330 5340 5350 5360 5370 5380 5390 5400  
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