

AseI
 |
 GTTATTAATAGTAATCAATTACGGGGTCATTAGTTCATAGCCCATATATGGAGTTCGCGTTACATAACT
 CAATAATTATCATTAGTTAATGCCCCAGTAATCAAGTATCGGGTATATACCTCAAGGCGCAATGTATTGA
 10 20 30 40 50 60 70

Bgl I AatII
 | |
 TACGGTAAATGGCCCGCCTGGCTGACCGCCCAACGACCCCCGCCATTGACGTCAATAATGACGTATGTT
 ATGCCATTTACCGGGCGGACCGACTGGCGGGTTGCTGGGGGCGGGTAACTGCAGTTATTACTGCATACAA
 80 90 100 110 120 130 140

AatII
 |
 CCCATAGTAACGCCAATAGGGACTTTCCATTGACGTCAATGGGTGGAGTATTTACGGTAAACTGCCCACT
 GGTATCATTGCGGTTATCCCTGAAAGGTAAGTGCAGTTACCCACCTCATAAATGCCATTTGACGGGTGA
 150 160 170 180 190 200 210

Bgl I NdeI AatII
 | | |
 TGGCAGTACATCAAGTGTATCATATGCCAAGTACGCCCCCTATTGACGTCAATGACGGTAAATGGCCCGC
 ACCGTCATGTAGTTCACATAGTATACGGTTCATGCGGGGATAACTGCAGTTACTGCCATTTACCGGGCG
 220 230 240 250 260 270 280

Bgl I SnaBI
 | |
 CTGGCATTATGCCCAGTACATGACCTTATGGGACTTTTCTACTTGGCAGTACATCTACGTATTAGTCATC
 GACCGTAATACGGGTCATGTACTGGAATACCCTGAAAGGATGAACCGTCATGTAGATGCATAATCAGTAG
 290 300 310 320 330 340 350

NcoI
 |
 GCTATTACCATGGTGATGCGGTTTTTGGCAGTACATCAATGGGCGTGGATAGCGGTTTTGACTCACGGGGAT
 CGATAATGGTACCCTACGCCAAAACCGTCATGTAGTTACCCGCACCTATCGCCAAAAGTGGCCCTA
 360 370 380 390 400 410 420

AatII
 |
 TTCCAAGTCTCCACCCATTGACGTCAATGGGAGTTTGTGTTTTGGCACCAAAATCAACGGGACTTTCCAAA
 AAGTTTACAGAGGTGGGGTAACTGCAGTTACCCTCAAACAAAACCGTGGTTTTAGTTGCCCTGAAAGGTTT
 430 440 450 460 470 480 490

ATGTCGTAACAACCTCCGCCCCATTGACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGC
 TACAGCATTGTTGAGGCGGGGTAAGTGCAGTTTACCCGCCATCCGCACATGCCACCCTCCAGATATATTCC
 500 510 520 530 540 550 560

Bgl I AgeI NcoI
 | | | | |
 NheI Eco47 III BseRI
 | | | | |
 AGAGCTGGTTTTAGTGAACCGTCAGATCCGCTAGCGCTACCGGTCGCCACCATGGCCTCCTCCGAGAACGT
 TCTCGACCAAATCACTTGGCAGTCTAGGCGATCGCGATGGCCAGCGGTGGTACCGGAGGAGGCTCTTGCA
 570 580 590 600 610 620 630

FspI BssSI
| |
CATCACCGAGTTCATGCGCTTCAAGGTGCGCATGGAGGGCACCGTGAACGGCCACGAGTTCGAGATCGAG
GTAGTGGCTCAAGTACGCGAAGTTCACGCGTACCTCCCGTGGCACTTGCCGGTGTCTCAAGCTCTAGCTC
640 650 660 670 680 690 700

BstEII Eco57 I
| |
GGCGAGGGCGAGGGCCGCCCTACGAGGGCCACAACACCGTGAAGCTGAAGGTGACCAAGGGCGGCCCC
CCGCTCCCGCTCCCGGCGGGGATGCTCCCGGTGTTGTGGCACTTCGACTTCCACTGGTTCCCGCCGGGG
710 720 730 740 750 760 770

AhdI
|
TGCCCTTCGCCTGGGACATCCTGTCCCCCAGTTCAGTACGGCTCCAAGGTGTACGTGAAGCACCCCGC
ACGGAAGCGGACCCTGTAGGACAGGGGGGTCAAGGTCATGCCGAGGTTCCACATGCACTTCGTGGGGCG
780 790 800 810 820 830 840

CGACATCCCGACTACAAGAAGCTGTCTTCCCCGAGGGCTTCAAGTGGGAGCGCGTGATGAACTTCGAG
GCTGTAGGGGCTGATGTTCTTCGACAGGAAGGGGCTCCCGAAGTTCACCCTCGCGCACTACTTGAAGCTC
850 860 870 880 890 900 910

BseRI PstI Sse8387 I
| | |
GACGGCGGCGTGGCGACCGTGACCCAGGACTCCTCCCTGCAGGACGGCTGCTTCATCTACAAGGTGAAGT
CTGCCGCCGCACCGCTGGCACTGGGTCTGAGGAGGGACGTCCTGCCGACGAAGTAGATGTTCCACTTCA
920 930 940 950 960 970 980

BbsI NcoI PflMI StuI
| | | |
TCATCGGCGTGAAGTTCCTCCCGACGGCCCCGTGATGCAGAAGAAGACCATGGGCTGGGAGGCCTCCAC
AGTAGCCGCACTTGAAGGGGAGGCTGCCGGGGCACTACGTCTTCTTCTGGTACCCGACCCTCCGGAGGTG
990 1000 1010 1020 1030 1040 1050

BsaI Eco57 I
| |
CGAGCGCCTGTACCCCGCGACGGCGTGCTGAAGGGCGAGACCCACAAGGCCCTGAAGCTGAAGGACGGC
GCTCGCGGACATGGGGCGCTGCCGCACGACTTCCCGCTCTGGGTGTTCCGGGACTTCGACTTCTGCCG
1060 1070 1080 1090 1100 1110 1120

Eco57 I PflMI SexAI MscI BstXI PvuII
| | | | | | |
GGCCACTACCTGGTGGAGTTCAGTCCATCTACATGGCCAAGAAGCCCGTGCAGCTGCCCGGCTACTACT
CCGGTGTATGGACCACCTCAAGTTCAGGTAGATGTACCGGTTCTTCGGGCACGTCGACGGGCCGATGATGA
1130 1140 1150 1160 1170 1180 1190

BsgI

|
 ACGTGGACGCCAAGCTGGACATCACCTCCCACAACGAGGACTACACCATCGTGGAGCAGTACGAGCGCAC
 TGCACCTGCGGTTTCGACCTGTAGTGGAGGGTGTGCTCCTGATGTGGTAGCACCTCGTCATGCTCGCGTG
 1200 1210 1220 1230 1240 1250 1260

XhoI

Bgl II

EarI

EarI

| | | |
 CGAGGGCCGCCACCACCTGTTCTGAGATCTCGAGCTGATCCAAAAAGAAGAGAAAGGTAGATCCAAAA
 GCTCCCGGCGGTGGTGGACAAGGACTCTAGAGCTCGACTAGGTTTTTTCTTCTCTTTCCATCTAGGTTTT
 1270 1280 1290 1300 1310 1320 1330

BsaBI

EarI

BamHI

XbaI

Bcl I

| | | |
 AAGAAGAGAAAGGTAGATCCAAAAAGAAGAGAAAGGTAGGATCCACCGGATCTAGATAACTGATCATAA
 TTCTTCTCTTTCCATCTAGGTTTTTTCTTCTCTTTCCATCCTAGGTGGCCTAGATCTATTGACTAGTATT
 1340 1350 1360 1370 1380 1390 1400

DraI

|
 TCAGCCATACCACATTTGTAGAGGTTTTACTTGGCTTTAAAAAACCTCCACACCTCCCCCTGAACCTGAA
 AGTCGGTATGGTGTAAACATCTCCAAAATGAACGAAATTTTTTGGAGGGTGTGGAGGGGGACTTGGACTT
 1410 1420 1430 1440 1450 1460 1470

BsmI

MfeI

HpaI

|| |
 ACATAAAATGAATGCAATTGTTGTTGTTAACTTGTTTATTGCAGCTTATAATGGTTACAAATAAAGCAAT
 TGTATTTTACTTACGTTAACAACAACAATTGAACAAATAACGTCGAATATTACCAATGTTTATTTTCGTTA
 1480 1490 1500 1510 1520 1530 1540

BsmI

|
 AGCATCACAAATTTACAAATAAAGCATTTTTTTTCACTGCATTCTAGTTGTGGTTTGTCCAAACTCATCA
 TCGTAGTGTTTAAAGTGTTTATTTTCGTAAAAAAGTGACGTAAGATCAACACCAAACAGGTTTGTAGTAGT
 1550 1560 1570 1580 1590 1600 1610

MluI

SspI

| |
 ATGTATCTTAACGCGTAAATTGTAAGCGTTAATATTTTGTAAATTCGCGTTAAATTTTTGTAAATCA
 TACATAGAATTGCGCATTTAACATTTCGCAATTATAAAACAATTTTAAGCGCAATTTAAAAACAATTTAGT
 1620 1630 1640 1650 1660 1670 1680

GCTCATTTTTTAAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAGACCGAGATAGG
 CGAGTAAAAAATTGGTTATCCGGCTTTAGCCGTTTTAGGGAATATTTAGTTTTCTTATCTGGCTCTATCC
 1690 1700 1710 1720 1730 1740 1750

DrdI
|

GTTGAGTGTGTTCCAGTTTGAACAAGAGTCCACTATTAAGAACGTGGACTCCAACGTCAAAGGGCGA
CAACTCACAACAAGGTCAAACCTTGTCTCAGGTGATAATTTCTTGCACCTGAGGTTGCAGTTTCCCGCT

1760 1770 1780 1790 1800 1810 1820

DraIII
|

AAAACCGTCTATCAGGGCGATGGCCCACTACGTGAACCATCACCTAATCAAGTTTTTTGGGGTTCGAGGT
TTTTGGCAGATAGTCCCGCTACCGGGTGATGCACCTTGGTAGTGGGATTAGTTCAAAAAACCCAGCTCCA

1830 1840 1850 1860 1870 1880 1890

NaeI
|
NgoMI
| |

GCCGTAAAGCACTAAATCGGAACCCTAAAGGGAGCCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAA
CGGCATTTTCGTGATTTAGCCTTGGGATTTCCCTCGGGGGCTAAATCTCGAACTGCCCTTTTCGGCCGCTT

1900 1910 1920 1930 1940 1950 1960

BsrBI
|

CGTGGCGAGAAAGGAAGGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTACAG
GCACCGCTCTTTCTTCCCTTCTTTTCGCTTTCTCGCCCGCGATCCCGCGACCGTTACATCGCCAGTGC

1970 1980 1990 2000 2010 2020 2030

CTGCGCGTAACCACCACACCCGCCGCGCTTAATGCGCCGCTACAGGGCGCGTTCAGGTGGCACTTTTTCGGG
GACGCGCATTTGGTGGTGTGGGCGGCGGAATTACGCGGGCGATGTCCCGCGCAGTCCACCGTGAAAAGCCC

2040 2050 2060 2070 2080 2090 2100

BspHI
|
BsrBI
| |

GAAATGTGCGCGGAACCCCTATTTGTTTATTTTTCTAAATACATTCAAATATGTATCCGCTCATGAGACA
CTTTACACGCGCCTTGGGGATAAACAATAAAAAGATTTATGTAAGTTTATACATAGGCGAGTACTCTGT

2110 2120 2130 2140 2150 2160 2170

SspI EarI Bsu36 I PvuII
| | | |

ATAACCCTGATAAATGCTTCAATAATATTGAAAAAGGAAGAGTCTGAGGCGGAAAGAACCAGCTGTGGA
TATTGGGACTATTTACGAAGTTATTATAACTTTTTCTTCTCAGGACTCCGCCTTTCTTGGTTCGACACCT

2180 2190 2200 2210 2220 2230 2240

NsiI
|
SphI
|
Ppu10 I
| |

ATGTGTGTCAGTTAGGGTGTGGAAAGTCCCAGGCTCCCAGCAGGCAGAAGTATGCAAAGCATGCATCT
TACACACAGTCAATCCACACCTTTTCAGGGGTCCGAGGGGTCGTCCGTCTTCATACGTTTCGTACGTAGA

2250 2260 2270 2280 2290 2300 2310

NsiI
SphI
Ppu10 I

SexAI

CAATTAGTCAGCAACCAGGTGTGGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGCATGCAT
 GTTAATCAGTCGTTGGTCCACACCTTTCAGGGGTCCGAGGGGTCGTCCGTCTTCATACGTTTCGTACGTA

2320 2330 2340 2350 2360 2370 2380

CTCAATTAGTCAGCAACCATAGTCCCGCCCCTAACTCCGCCCATCCCGCCCCTAACTCCGCCCAGTTCCG
 GAGTTAATCAGTCGTTGGTATCAGGGCGGGGATTGAGGCGGGTAGGGCGGGGATTGAGGCGGGTCAAGGC

2390 2400 2410 2420 2430 2440 2450

Bgl I
SfiI

NcoI

CCCATTCTCCGCCCCATGGCTGACTAATTTTTTTTATTTATGCAGAGGCCGAGGCCCTCGGCCTCTGA
 GGGTAAGAGGCGGGGTACCGACTGATTAATAAAAAATAAATACGTCTCCGGCTCCGGCGGAGCCGGAGACT

2460 2470 2480 2490 2500 2510 2520

AvrII
StuI

BseRI ClaI

GCTATTCCAGAAGTAGTGAGGAGGCTTTTTTGGAGGCCTAGGCTTTTGCAAAGATCGATCAAGAGACAGG
 CGATAAGGTCTTCATCACTCCTCCGAAAAAACCTCCGGATCCGAAAACGTTTCTAGCTAGTTCTCTGTCC

2530 2540 2550 2560 2570 2580 2590

BsaBI BspMI EagI

ATGAGGATCGTTTCGCATGATTGAACAAGATGGATTGCACGCAGGTTCTCCGGCCGCTTGGGTGGAGAGG
 TACTCCTAGCAAAGCGTACTAATTGTTCTACCTAACGTGCGTCCAAGAGGCCGGCGAACCCACCTCTCC

2600 2610 2620 2630 2640 2650 2660

CTATTCGGCTATGACTGGGCACAACAGACAATCGGCTGCTCTGATGCCGCCGTGTTCCGGCTGTCAGCGC
 GATAAGCCGATACTGACCCGTGTTGTCTGTTAGCCGACGAGACTACGGCGGCACAAGGCCGACAGTCCGC

2670 2680 2690 2700 2710 2720 2730

BbeI
EheI
NarI
KasI DrdI

AGGGGCGCCCGGTTCTTTTTGTCAAGACCGACCTGTCCGGTGCCCTGAATGAACTGCAAGACGAGGCAGC
 TCCC CGCGGGCCAAGAAAAACAGTTCTGGCTGGACAGGCCACGGGACTTACTTGACGTTCTGCTCCGTCG

2740 2750 2760 2770 2780 2790 2800

PvuII

MscI FspI Tth111 I

GCGGCTATCGTGGCTGGCCACGACGGGCGTTCTTGCAGCTGTGCTCGACGTTGTCACTGAAGCGGGA
 CGCCGATAGCACCGACCGGTGCTGCCCGCAAGGAACGCTCGACACGAGCTGCAACAGTGACTTCCGCCCT

2810 2820 2830 2840 2850 2860 2870

Eco57 I
|
AGGGACTGGCTGCTATTGGGCGAAGTGCCGGGGCAGGATCTCCTGTCATCTCACCTTGCTCCTGCCGAGA
TCCCTGACCGACGATAACCCGCTTCACGGCCCCGTCCTAGAGGACAGTAGAGTGGAACGAGGACGGCTCT
2880 2890 2900 2910 2920 2930 2940

BsrDI
|
AAGTATCCATCATGGCTGATGCAATGCGGGCGGCTGCATACGCTTGATCCGGCTACCTGCCCATTTCGACCA
TTCATAGGTAGTACCGACTACGTTACGCCGCCGACGTATGCCAACTAGGCCGATGGACGGGTAAGCTGGT
2950 2960 2970 2980 2990 3000 3010

BspMI
|
CCAAGCGAAACATCGCATCGAGCGAGCACGTACTCGGATGGAAGCCGGTCTTGTTCGATCAGGATGATCTG
GGTTCGCTTTGTAGCGTAGCTCGCTCGTGCATGAGCCTACCTTCGGCCAGAACAGCTAGTCTACTAGAC
3020 3030 3040 3050 3060 3070 3080

EarI
SapI
|
GACGAAGAGCATCAGGGGCTCGCGCCAGCCGAACTGTTTCGCCAGGCTCAAGGCGAGCATGCCCGACGGCG
CTGCTTCTCGTAGTCCCCGAGCGCGGTCGGCTTGACAAGCGGTCCGAGTTCGCTCGTACGGGCTGCCGC
3090 3100 3110 3120 3130 3140 3150

SphI
|
AGGATCTCGTCGTGACCCATGGCGATGCCTGCTTGCCGAATATCATGGTGGAAAATGGCCGCTTTTCTGG
TCCTAGAGCAGCACTGGGTACCGCTACGGACGAACGGCTTATAGTACCACCTTTTACCGGCGAAAAGACC
3160 3170 3180 3190 3200 3210 3220

NcoI
|
ATTCATCGACTGTGGCCGGCTGGGTGTGGCGGACCGCTATCAGGACATAGCGTTGGCTACCCGTGATATT
TAAGTAGCTGACACCGGCCGACCCACACCGCCTGGCGATAGTCTGTATCGCAACCGATGGGCACTATAA
3230 3240 3250 3260 3270 3280 3290

NaeI
NcoMI
| |
RsrII
|
EarI
SapI
|
GCTGAAGAGCTTGGCGGCGAATGGGCTGACCGCTTCCTCGTGCTTTACGGTATCGCCGCTCCCGATTTCG
CGACTTCTCGAACCGCCGCTTACCCGACTGGCGAAGGAGCACGAAATGCCATAGCGGCGAGGGCTAAGCG
3300 3310 3320 3330 3340 3350 3360

Eco57 I
|
BssSI
|
BsrBI
|
AGCGCATCGCCTTCTATCGCCTTCTTGACGAGTTCTTCTGAGCGGGACTCTGGGGTTGAAATGACCGAC
TCGCGTAGCGGAAGATAGCGGAAGAAGACTGCTCAAGAAGACTCGCCCTGAGACCCCAAGCTTTACTGGCTG
3370 3380 3390 3400 3410 3420 3430

BsrBI
|
BstBI
|

BssSI
BspMI
|
CAAGCGACGCCCAACCTGCCATCACGAGATTTTCGATTCCACCGCCGCCTTCTATGAAAGGTTGGGCTTCG
GTTTCGCTGCGGGTTGGACGGTAGTGCTCTAAAGCTAAGGTGGCGGCGGAAGATACTTTCCAACCCGAAGC
3440 3450 3460 3470 3480 3490 3500

NaeI
NcoMI
BpmI
| |
GAATCGTTTTTCCGGGACGCCGGCTGGATGATCCTCCAGCGCGGGGATCTCATGCTGGAGTTCTTCGCCCA
CTTAGCAAAAGGCCCTGCGGCCGACCTACTAGGAGGTGCGGCCCTAGAGTACGACCTCAAGAAGCGGGT
3510 3520 3530 3540 3550 3560 3570

BpmI
AvrII
| |
CCCTAGGGGGAGGCTAACTGAAACACGGAAGGAGACAATACCGGAAGGAACCCGCGCTATGACGGCAATA
GGGATCCCCCTCCGATTGACTTTGTGCCTTCTCTGTTATGGCCTTCCTTGGGCGCGATACTGCCGTTAT
3580 3590 3600 3610 3620 3630 3640

AAAAGACAGAATAAAACGCACGGTGTGGGTGCTTTGTTTCATAAACCGGGGTTTCGGTCCCAGGGCTGGC
TTTTCTGTCTTATTTTGCGTGCCACAACCCAGCAAACAAGTATTTGCGCCCCAAGCCAGGGTCCCAGCCG
3650 3660 3670 3680 3690 3700 3710

BsaI
|
ACTCTGTGATACCCACCGAGACCCATTGGGGCCAATACGCCCGCGTTTCTTCTTTTCCCACCCCA
TGAGACAGCTATGGGGTGGCTCTGGGGTAACCCGGTTATGCGGGCGCAAAGAAGGAAAAGGGGTGGGGT
3720 3730 3740 3750 3760 3770 3780

AlwNI Bsu36 I
| |
CCCCCAAGTTCGGGTGAAGGCCAGGGCTCGCAGCCAACGTTCGGGGCGGCAGGCCCTGCCATAGCCTCA
GGGGGGTTCAAGCCACTTCCGGGTCCCGAGCGTCGGTTGCAGCCCCGCGTCCGGGACGGTATCGGAGT
3790 3800 3810 3820 3830 3840 3850

DraI DraI
| |
GGTACTCATATATACTTTAGATTGATTTAAACTTTCATTTTTAATTTAAAGGATCTAGGTGAAGATCC
CCAATGAGTATATATGAAATCTAACTAAATTTTGAAGTAAAAATTAAATTTTCTAGATCCACTTCTAGG
3860 3870 3880 3890 3900 3910 3920

BspHI
|
TTTTTGATAATCTCATGACCAAATCCCTTAACGTGAGTTTTTCGTTCCACTGAGCGTCAGACCCCGTAGA
AAAACTATTAGAGTACTGGTTTTAGGGAATTGCACTCAAAGCAAGGTGACTCGCAGTCTGGGGCATCT
3930 3940 3950 3960 3970 3980 3990

AAAGATCAAAGGATCTTCTTGAGATCCTTTTTTTCTGCGCGTAATCTGCTGCTTGCAAACAAAAAACCA
TTTTCTAGTTTCCTAGAAGAACTCTAGGAAAAAAGACGCGCATTAGACGACGAACGTTTGTTTTTTTGGT
4000 4010 4020 4030 4040 4050 4060

Eco57 I

CCGCTACCAGCGGTGGTTTTGTTTGCCGGATCAAGAGCTACCAACTCTTTTTCCGAAGGTAAGTGGCTTCA
GGCGATGGTCCACCAACAAACGGCCTAGTTCTCGATGGTTGAGAAAAAGGCTTCCATTGACCGAAGT
4070 4080 4090 4100 4110 4120 4130

GCAGAGCGCAGATACCAAATACTGTCCTTCTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGAACTCTGT
CGTCTCGCGTCTATGGTTTATGACAGGAAGATCACATCGGCATCAATCCGGTGGTGAAGTTCTTGAGACA
4140 4150 4160 4170 4180 4190 4200

AlwNI

AGCACCGCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGTGT
TCGTGGCGGATGTATGGAGCGAGACGATTAGGACAATGGTCACCGACGACGGTCACCGCTATTCAGCACA
4210 4220 4230 4240 4250 4260 4270

ApaLI

CTTACCGGGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCGGTCCGGGCTGAACGGGGGGTTTCGT
GAATGGCCCAACCTGAGTTCTGCTATCAATGGCCTATTCCGCGTCGCCAGCCCGACTTGCCCCCAAGCA
4280 4290 4300 4310 4320 4330 4340

GCACACAGCCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACCTACAGCGTGAGCTATGAGAAAG
CGTGTGTCGGGTCGAACCTCGCTTGTGGATGTGGCTTGACTCTATGGATGTCGACTCGATACTCTTTC
4350 4360 4370 4380 4390 4400 4410

CGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTCCGGAACAGGAGAGCGC
GCGGTGCGAAGGGCTTCCCTCTTTCCGCCTGTCCATAGGCCATTCCCGTCCAGCCTTGTCTCTCGCG
4420 4430 4440 4450 4460 4470 4480

BssSI

ACGAGGGAGCTTCCAGGGGGAAACGCCTGGTATCTTTATAGTCCTGTTCGGTTTTCCACCTCTGACTTG
TGCTCCCTCGAAGGTCCCCCTTTGCGGACCATAGAAATATCAGGACAGCCAAAGCGGTGGAGACTGAAC
4490 4500 4510 4520 4530 4540 4550

DrdI

AGCGTCGATTTTTGTGATGCTCGTCAGGGGGCGGAGCCTATGGAAAAACGCCAGCAACGCGGCCTTTTT
TCGAGCTAAAAACACTACGAGCAGTCCCCCGCCTCGGATACCTTTTTGCGGTGCTTGC GCCGAAAAA
4560 4570 4580 4590 4600 4610 4620

BspLU11 I
|
ACGGTTCCTGGCCTTTTGCTGGCCTTTTGCTCACATGTTCTTTCTGCGTTATCCCCTGATTCTGTGGAT
TGCCAAGGACCGGAAAACGACCGGAAAACGAGTGTACAAGAAAGGACGCAATAGGGGACTAAGACACCTA
4630 4640 4650 4660 4670 4680 4690

NsiI
Ppu10 I
| |
AACCGTATTACCGCCATGCAT
TTGGCATAATGGCGGTACGTA
4700 4710