

AseI
|
TAGTTATTAATAGTAATCAATTACGGGGTCATTAGTTCATAGCCCATATATGGAGTTCGCGTTACATAA
ATCAATAATTATCATTAGTTAATGCCCCAGTAATCAAGTATCGGGTATATACCTCAAGGCGCAATGTATT
10 20 30 40 50 60 70

Bgl I AatII
| |
CTTACGGTAAATGGCCCGCCTGGCTGACCGCCCAACGACCCCGCCATTGACGTCAATAATGACGTATG
GAATGCCATTTACCGGGCGGACCGACTGGCGGGTTGCTGGGGGCGGGTAACTGCAGTTATTACTGCATAC
80 90 100 110 120 130 140

AatII
|
TTCCCATAGTAACGCCAATAGGGACTTTCCATTGACGTCAATGGGTGGAGTATTTACGGTAAACTGCCCA
AAGGTATCATTGCGGTTATCCCTGAAAGGTAAGTGCAGTTACCCACCTCATAAATGCCATTTGACGGGT
150 160 170 180 190 200 210

Bgl I NdeI AatII
| | |
CTTGGCAGTACATCAAGTGTATCATATGCCAAGTACGCCCCCTATTGACGTCAATGACGGTAAATGGCC
GAACCGTCATGTAGTTCACATAGTATACGGTTCATGCGGGGGATAACTGCAGTTACTGCCATTTACCGGG
220 230 240 250 260 270 280

Bgl I SnaBI
| |
GCCTGGCATTATGCCCAGTACATGACCTTATGGGACTTTCCTACTTGGCAGTACATCTACGTATTAGTCA
CGGACCGTAATACGGGTCACTGGAATACCCCTGAAAGGATGAACCGTCATGTAGATGCATAATCAGT
290 300 310 320 330 340 350

NcoI
|
TCGCTATTACCATGGTGATGCGGTTTTGGCAGTACATCAATGGGCGTGGATAGCGGTTTTGACTCACGGGG
AGCGATAATGGTACCACTACGCCAAAACCGTCATGTAGTTACCCGCACCTATCGCCAAACTGAGTGCCCC
360 370 380 390 400 410 420

AatII
|
ATTTCCAAGTCTCCACCCCATGACGTCAATGGGAGTTTGTTTTGGCACCAAATCAACGGGACTTTCCA
TAAAGGTTTCAGAGGTGGGGTAACTGCAGTTACCCTCAAACAAAACCGTGGTTTTAGTTGCCCTGAAAGGT
430 440 450 460 470 480 490

AAATGTCGTAACAACCTCCGCCCCATTGACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA
TTTACAGCATTGTTGAGGCGGGGTAAGTGCAGTTACCCGCCATCCGCACATGCCACCCTCCAGATATATT
500 510 520 530 540 550 560

Bgl I
|
GCAGAGCTGGTTTTAGTGAACCGTCAGATCCGCTAGCGCTACCGGTCGCCACCATGGCCTCCTCCGAGAAC
CGTCTCGACCAAATCACTTGGCAGTCTAGGCGATCGCGATGGCCAGCGGTGGTACCGGAGGAGGCTCTTG
570 580 590 600 610 620 630

AgeI NcoI
| |
NheI Eco47 III BseRI
| | | |
GCAGAGCTGGTTTTAGTGAACCGTCAGATCCGCTAGCGCTACCGGTCGCCACCATGGCCTCCTCCGAGAAC
CGTCTCGACCAAATCACTTGGCAGTCTAGGCGATCGCGATGGCCAGCGGTGGTACCGGAGGAGGCTCTTG

FspI BssSI
 GTCATCACCGAGTTCATGCGCTTCAAGGTGCGCATGGAGGGCACCGTGAACGGCCACGAGTTCGAGATCG
 CAGTAGTGGCTCAAGTACGCGAAGTTCACGCGTACCTCCCCTGGCACTTGCCGGTGCTCAAGCTCTAGC
 640 650 660 670 680 690 700

BstEII Eco57 I
 AGGGCGAGGGCGAGGGCCGCCCTACGAGGGCCACAACACCGTGAAGCTGAAGGTGACCAAGGGCGGCC
 TCCCGCTCCCCTCCCGGGGATGCTCCCCTGTTGTGGCACTTCGACTTCCACTGGTTCCCCTCCGGG
 710 720 730 740 750 760 770

AhdI
 CCTGCCCTTCGCCTGGGACATCCTGTCCCCCAGTTCAGTACGGCTCCAAGGTGTACGTGAAGCACCCC
 GGACGGGAAGCGGACCCTGTAGGACAGGGGGTCAAGGTCATGCCGAGGTTCCACATGCACTTCGTGGGG
 780 790 800 810 820 830 840

GCGACATCCCCGACTACAAGAAGCTGTCCTTCCCCGAGGGCTTCAAGTGGGAGCGCGTGATGAACTTCG
 CGGCTGTAGGGGCTGATGTTCTTCGACAGGAAGGGGCTCCCGAAGTTCACCCTCGCGCACTACTTGAAGC
 850 860 870 880 890 900 910

Sse8387 I
 BseRI PstI
 AGGACGGCGGCGTGGCGACCGTGACCCAGGACTCCTCCCTGCAGGACGGCTGCTTCATCTACAAGGTGAA
 TCCTGCCGCCGCACCGCTGGCACTGGGTCCTGAGGAGGGACGTCTCGCGACGAAGTAGATGTTCCACTT
 920 930 940 950 960 970 980

BbsI
 NcoI PflMI StuI
 GTTCATCGGCGTGAACCTCCCCTCCGACGGCCCCGTGATGCAGAAGAAGACCATGGGCTGGGAGGCCTCC
 CAAGTAGCCGCACTTGAAGGGGAGGCTGCCGGGGCACTACGTCTTCTTCTGGTACCCGACCCTCCGGAGG
 990 1000 1010 1020 1030 1040 1050

BsaI Eco57 I
 ACCGAGCGCCTGTACCCCCGCGACGGCGTGCTGAAGGGCGAGACCCACAAGGCCCTGAAGCTGAAGGACG
 TGGCTCGCGGACATGGGGGCGCTGCCGCACGACTTCCCCTCTGGGTGTTCCGGGACTTCGACTTCCTGC
 1060 1070 1080 1090 1100 1110 1120

Eco57 I
 PflMI
 SexAI MscI
 Eco57 I BstXI PvuII
 GCGGCCACTACCTGGTGGAGTTC AAGTCCATCTACATGGCCAAGAAGCCCGTGCAGCTGCCCGGCTACTA
 CGCCGGTGTATGGACCACCTCAAGTTCAGGTAGATGTACCGGTTCTTCGGGCACGTGACGGGCCGATGAT
 1130 1140 1150 1160 1170 1180 1190

BsgI
 |
 CTACGTGGACGCCAAGCTGGACATCACCTCCCACAACGAGGACTACACCATCGTGGAGCAGTACGAGCGC
 GATGCACCTGCGGTTTCGACCTGTAGTGGAGGGTGTGCTCCTGATGTGGTAGCACCTCGTCATGCTCGCG
 1200 1210 1220 1230 1240 1250 1260

NotI
 EagI
 XbaI
 | | |
 ACCGAGGGCCGCCACCACCTGTTCCCTGAGATCGTACAAGTCCAAGCTGTAGCGGCCGCGACTCTAGATCA
 TGGCTCCCGCGGTTGGTGGACAAGGACTCTAGCATGTTTCAGGTTTCGACATCGCCGGCGCTGAGATCTAGT
 1270 1280 1290 1300 1310 1320 1330

BsaBI
 |
 TAATCAGCCATAACCACATTTGTAGAGGTTTTACTTGTCTTTAAAAAACCTCCCACACCTCCCCCTGAACCT
 ATTAGTCGGTATGGTGTAAACATCTCCAAAATGAACGAAATTTTTTGGAGGGTGTGGAGGGGGACTTGGGA
 1340 1350 1360 1370 1380 1390 1400

BsmI
 MfeI
 HpaI
 || |
 GAAACATAAAATGAATGCAATTGTTGTTGTTAACTTGTATTATGCAGCTTATAATGGTTACAAATAAAGC
 CTTTGTATTTTACTTACGTTAACAACAACAATTGAACAAATAACGTCGAATATTACCAATGTTTATTTTCG
 1410 1420 1430 1440 1450 1460 1470

BsmI
 |
 AATAGCATCACAAATTCACAAATAAAGCATTTTTTTCACTGCATTCTAGTTGTGGTTTGTCCAAACTCA
 TTATCGTAGTGTTTAAAGTGTATTATTTTCGTAATAAAGTGACGTAAGATCAACACCAACAGGTTTGGAGT
 1480 1490 1500 1510 1520 1530 1540

Afl II
 |
 TCAATGTATCTTAAGGCGTAAATTGTAAGCGTTAATATTTTGTAAATTCGCGTTAAATTTTTGTAA
 AGTTACATAGAATTCGCATTTAACATTCGCAATTATAAAACAATTTTAAGCGCAATTTAAAAACAATTT
 1550 1560 1570 1580 1590 1600 1610

SspI
 |
 TCAGCTCATTTTTTAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAGACCGAGAT
 AGTCGAGTAAAAAATGGTTATCCGGCTTTAGCCGTTTTAGGGAATATTTAGTTTTCTTATCTGGCTCTA
 1620 1630 1640 1650 1660 1670 1680

DrdI
 |
 AGGGTTGAGTGTGTTCCAGTTTGAACAAGAGTCCACTATTAAGAACGTGGACTCCAACGTCAAAGGG
 TCCCAACTCACAACAAGGTCAAACCTTGTCTCAGGTGATAATTTCTTGCACCTGAGGTTGCAGTTTCCC
 1690 1700 1710 1720 1730 1740 1750

DraIII
 |
 CGAAAAACCGTCTATCAGGGCGATGGCCCACTACGTGAACCATCACCTAATCAAGTTTTTTGGGGTCTGA
 GCTTTTTGGCAGATAGTCCCGCTACCGGGTGTGCACTTGGTAGTGGGATTAGTTCAAAAAACCCAGCT
 1760 1770 1780 1790 1800 1810 1820

NaeI
NgoMI
|

GGTGCCGTAAAGCACTAAATCGGAACCCTAAAGGGAGCCCCGATTTAGAGCTTGACGGGGAAAGCCGGC
CCACGGCATTTTCGTGATTTAGCCTTGGGATTTCCCTCGGGGGCTAAATCTCGAACTGCCCTTTTCGGCCG
1830 1840 1850 1860 1870 1880 1890

BsrBI
|

GAACGTGGCGAGAAAGGAAGGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTC
CTTGCACCGCTCTTTCCTTCCCTTCTTTTCGCTTTCCTCGCCCGCGATCCC CGACCGTTACATCGCCAG
1900 1910 1920 1930 1940 1950 1960

ACGCTGCGCGTAACCACCACACCCGCCGCGCTTAATGCGCCGCTACAGGGCGCGTCAGGTGGCACTTTTC
TGCGACGCGCATTGGTGGTGTGGGCGGCGCAATTACGCGGCGATGTCCC CGCAGTCCACCGTGAAAAG
1970 1980 1990 2000 2010 2020 2030

BspHI
BsrBI
| |

GGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTTCTAAATACATTCAAATATGTATCCGCTCATGAG
CCCCTTTACACGCGCCTTGGGGATAAACAAATAAAAAGATTTATGTAAGTTTATACATAGGCGAGTACTC
2040 2050 2060 2070 2080 2090 2100

SspI EarI Bsu36 I PvuII
| | | |

ACAATAACCCTGATAAATGCTTCAATAATATTGAAAAAGGAAGAGTCCTGAGGCGGAAAGAACCAGCTGT
TGTATTGGGACTATTTACGAAGTTATTATAACTTTTTCTTCTCAGGACTCCGCCTTTCTTGGTCGACA
2110 2120 2130 2140 2150 2160 2170

SphI
Ppu10 I
|

GGAATGTGTGTCAGTTAGGGTGTGGAAAGTCCCAGGCTCCCAGCAGGCAGAAGTATGCAAAGCATGCA
CCTTACACACAGTCAATCCCACACCTTTCAGGGTCCGAGGGTTCGTCCGTCTTCATACGTTTCGTACGT
2180 2190 2200 2210 2220 2230 2240

NsiI SexAI Ppu10 I
| | |

TCTCAATTAGTCAGCAACCAGGTGTGGAAAGTCCCAGGCTCCCAGCAGGCAGAAGTATGCAAAGCATG
AGAGTTAATCAGTCGTTGGTCCACACCTTTCAGGGTCCGAGGGTTCGTCCGTCTTCATACGTTTCGTAC
2250 2260 2270 2280 2290 2300 2310

NsiI
SphI
| |

CATCTCAATTAGTCAGCAACCATAGTCCC GCCCTAACTCCGCCATCCC GCCCTAACTCCGCCAGTT
GTAGAGTTAATCAGTCGTTGGTATCAGGGCGGGGATTGAGGCGGGTAGGGCGGGGATTGAGGCGGGTCAA
2320 2330 2340 2350 2360 2370 2380

NcoI
 |
 CCGCCCATTTCTCCGCCCATGGCTGACTAATTTTTTTTATTTATGCAGAGGCCGAGGCCGCTCGGCCTC
 GGCGGGTAAGAGGCGGGGTACCGACTGATTAATAATAACGTCTCCGGCTCCGGCGGAGCCGGAG
 2390 2400 2410 2420 2430 2440 2450
 AvrII
 StuI
 BseRI
 | |
 TGAGCTATTCCAGAAGTAGTGAGGAGGCTTTTTTGGAGGCCTAGGCTTTTGC AAAGATCGATCAAGAGAC
 ACTCGATAAGGTCTTCATCACTCCTCCGAAAAACCTCCGGATCCGAAAACGTTTCTAGCTAGTTCTCTG
 2460 2470 2480 2490 2500 2510 2520
 ClaI
 |
 BsaBI
 |
 AGGATGAGGATCGTTTTCGCATGATTGAACAAGATGGATTGCACGCAGGTTCTCCGGCCGCTTGGGTGGAG
 TCCTACTCCTAGCAAAGCGTACTAACTTGTCTACCTAACGTGCGTCCAAGAGGCCGGCGAACCCACCTC
 2530 2540 2550 2560 2570 2580 2590
 BspMI
 |
 EagI
 |
 AGGCTATTTCGGCTATGACTGGGCACAACAGACAATCGGCTGCTCTGATGCCGCCGTGTTCCGGCTGTGAC
 TCCGATAAGCCGATACTGACCCGTGTTGTCTGTTAGCCGACGAGACTACGGCGGCACAAGGCCGACAGTC
 2600 2610 2620 2630 2640 2650 2660
 BbeI
 EheI
 NarI
 KasI
 | | | |
 CGCAGGGGCGCCCGGTTCTTTTTGTCAAGACCGACCTGTCCGGTGCCCTGAATGAACTGCAAGACGAGGC
 GCGTCCCCGCGGGCCAAGAAAAACAGTTCTGGCTGGACAGGCCACGGGACTTACTTGACGTTCTGCTCCG
 2670 2680 2690 2700 2710 2720 2730
 DrdI
 |
 PvuII
 MscI
 |
 FspI
 | |
 Tth111 I
 |
 AGCGCGGCTATCGTGGCTGGCCACGACGGGCGTTCTTGCGCAGCTGTGCTCGACGTTGTCACTGAAGCG
 TCGCGCCGATAGCACCGACCGGTGCTGCCCGCAAGGAACGCGTGCACACGAGCTGCAACAGTGACTTCGC
 2740 2750 2760 2770 2780 2790 2800
 Eco57 I
 |
 GGAAGGGACTGGCTGCTATTGGGCGAAGTGCCGGGGCAGGATCTCCTGTCATCTCACCTTGCTCCTGCCG
 CCTTCCCTGACCGACGATAACCCGCTTACCGCCCCGTCTAGAGGACAGTAGAGTGGAACGAGGACGGC
 2810 2820 2830 2840 2850 2860 2870
 BsrDI
 |
 BspMI
 |
 AGAAAGTATCCATCATGGCTGATGCAATGCGGCGGCTGCATACGCTTGATCCGGCTACCTGCCCATTCGA
 TCTTTCATAGGTAGTACCGACTACGTTACGCCCGGACGTATGCGAACTAGGCCGATGGACGGGTAAGCT
 2880 2890 2900 2910 2920 2930 2940

CCACCAAGCGAAACATCGCATCGAGCGAGCAGTACTCGGATGGAAGCCGGTCTTGTTCGATCAGGATGAT
GGTGGTTTCGCTTTGTAGCGTAGCTCGCTCGTGCATGAGCCTACCTTCGGCCAGAACAGCTAGTCCTACTA
2950 2960 2970 2980 2990 3000 3010

SapI
EarI
SphI
CTGGACGAAGAGCATCAGGGGCTCGCGCCAGCCGAACTGTTCCGCCAGGCTCAAGGCGAGCATGCCCCGACG
GACCTGCTTCTCGTAGTCCCCGAGCGCGGTTCGGCTTGACAAGCGGTCCGAGTTCGGCTCGTACGGGCTGC
3020 3030 3040 3050 3060 3070 3080

NcoI
GCGAGGATCTCGTCGTGACCCATGGCGATGCCTGCTTGCCGAATATCATGGTGGAAAATGGCCGCTTTTTC
CGCTCCTAGAGCAGCACTGGGTACCGCTACGGACGAACGGCTTATAGTACCACCTTTTACCGGCGAAAAG
3090 3100 3110 3120 3130 3140 3150

NaeI
NgoMI
RsrII
TGGATTCATCGACTGTGGCCGGCTGGGTGTGGCGGACCGCTATCAGGACATAGCGTTGGCTACCCGTGAT
ACCTAAGTAGCTGACACCGGCCGACCCACACCGCCTGGCGATAGTCCTGTATCGCAACCGATGGGCACTA
3160 3170 3180 3190 3200 3210 3220

EarI
SapI
Eco57 I
BssSI
BsrBI
ATTGCTGAAGAGCTTGGCGGCGAATGGGCTGACCGCTTCCCTCGTGCTTTACGGTATCGCCGCTCCCGATT
TAACGACTTCTCGAACC GCCGCTTACCCGACTGGCGAAGGAGCACGAAATGCCATAGCGGCGAGGGCTAA
3230 3240 3250 3260 3270 3280 3290

BsrBI
BstBI
CGCAGCGCATCGCCTTCTATCGCCTTCTTGACGAGTTCTTCTGAGCGGGACTCTGGGGTTTCGAAATGACC
GCGTTCGCTAGCGGAAGATAGCGGAAGAAGTCTCAAGAAGACTCGCCCTGAGACCCCAAGCTTTACTGG
3300 3310 3320 3330 3340 3350 3360

BssSI
BspMI
GACCAAGCGACGCCAACCTGCCATCACGAGATTTTCGATTCCACCGCCGCCTTCTATGAAAGGTTGGGCT
CTGGTTTCGCTGCGGGTTGGACGGTAGTGCTCTAAAGCTAAGGTGGCGGCGGAAGATACTTTCCAACCCGA
3370 3380 3390 3400 3410 3420 3430

NaeI
BpmI
NgoMI
TCGGAATCGTTTTCCGGGACGCCGGCTGGATGATCCTCCAGCGCGGGGATTCATGCTGGAGTTCTTCGC
AGCCTTAGCAAAGGCCCTGCGGCCGACCTACTAGGAGGTTCGCGCCCCTAGAGTACGACCTCAAGAAGCG
3440 3450 3460 3470 3480 3490 3500

BpmI
AvrII

| |

CCACCCTAGGGGGAGGCTAACTGAAACACGGAAGGAGACAATACCGGAAGGAACCCGCGCTATGACGGCA
GGTGGGATCCCCCTCCGATTGACTTTGTGCCTTCCTCTGTTATGGCCTTCCTTGGGCGCGATACTGCCGT

3510 3520 3530 3540 3550 3560 3570

ATAAAAAGACAGAATAAAACGCACGGTGTGGGTCGTTTGTTCATAAACGCGGGGTTCCGGTCCCAGGGCT
TATTTTTCTGTCTTATTTTTGCGTGCCACAACCCAGCAAACAAGTATTTGCGCCCCAAGCCAGGGTCCCGA

3580 3590 3600 3610 3620 3630 3640

BsaI

|

GGCACTCTGTGATACCCACCGAGACCCCATTTGGGGCCAATACGCCCGCGTTCCTTCCTTTTCCCCACC
CCGTGAGACAGCTATGGGGTGGCTCTGGGGTAACCCCGTTATGCGGGCGCAAAGAAGGAAAAGGGGTGG

3650 3660 3670 3680 3690 3700 3710

AlwNI

|

CCACCCCCAAGTTCGGGTGAAGGCCAGGGCTCGCAGCCAACGTCGGGGCGGCAGGCCCTGCCATAGCC
GGTGGGGGGTTCAAGCCCACTTCCGGGTCCCGAGCGTCGGTTGCAGCCCCCGCGTCCGGGACGGTATCGG

3720 3730 3740 3750 3760 3770 3780

Bsu36 I DraI DraI

| | |

TCAGGTTACTCATATATACTTTAGATTGATTTAAAACCTTCATTTTTAATTTAAAAGGATCTAGGTGAAGA
AGTCCAATGAGTATATATGAAATCTAACTAAATTTTGAAGTAAAAATTAAATTTTCTAGATCCACTTCT

3790 3800 3810 3820 3830 3840 3850

BspHI

|

TCCTTTTTGATAATCTCATGACCAAAATCCCTTAACGTGAGTTTTTCGTTCCACTGAGCGTCAGACCCCGT
AGGAAAAACTATTAGAGTACTGGTTTTAGGGAATTGCACTCAAAGCAAGGTGACTCGCAGTCTGGGGCA

3860 3870 3880 3890 3900 3910 3920

AGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTTTTCTGCGCGTAATCTGCTGCTTGCAAACAAAAAA
TCTTTTCTAGTTTCTTAGAAGAACTCTAGGAAAAAAGACGCGCATTAGACGACGAACGTTTGTTTTTTTT

3930 3940 3950 3960 3970 3980 3990

Eco57 I

|

CCACCGCTACCAGCGGTGGTTTGTGGCCGGATCAAGAGCTACCAACTCTTTTTCCGAAGGTAAGTGGCT
GGTGGCGATGGTCGCCACCAAACAAACGGCCTAGTTCTCGATGGTTGAGAAAAAGGCTTCCATTGACCGA

4000 4010 4020 4030 4040 4050 4060

TCAGCAGAGCGCAGATACCAAATACTGTCCTTCTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGAAGTTC
AGTCGTCTCGCGTCTATGGTTTATGACAGGAAGATCACATCGGCATCAATCCGGTGGTGAAGTTCTTGAG

4070 4080 4090 4100 4110 4120 4130

AlwNI

TGTAGCACCGCCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCG
 ACATCGTGGCGGATGTATGGAGCGAGACGATTAGGACAATGGTCACCGACGACGGTCACCGCTATTTCAGC
 4140 4150 4160 4170 4180 4190 4200

TGTCTTACCGGGTTGGACTCAAGACGATAGTTACCGGATAAGGCGCAGCGGTCCGGCTGAACGGGGGGTT
 ACAGAATGGCCCAACCTGAGTTCTGCTATCAATGGCCTATTCGCGTCCAGCCCGACTTGCCCCCAA
 4210 4220 4230 4240 4250 4260 4270

ApaLI

CGTGACACAGCCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACCTACAGCGTGAGCTATGAGA
 GCACGTGTGTCGGGTCGAACCTCGCTTGGATGTGGCTTGAATCTATGGATGTGCGACTCGATACTCT
 4280 4290 4300 4310 4320 4330 4340

AAGCGCCACGCTTCCCAGAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTCCGGAACAGGAGAG
 TTCGCGGTGCGAAGGGCTTCCCTCTTTCCGCCTGTCCATAGGCCATTCCCGTCCAGCCTTGTCTCTCT
 4350 4360 4370 4380 4390 4400 4410

BssSI

CGCACGAGGGAGCTTCCAGGGGAAACGCCTGGTATCTTTATAGTCCTGTCGGGTTTCGCCACCTCTGAC
 GCGTGCTCCCTCGAAGGTCCCCCTTTCGCGACCATAGAAATATCAGGACAGCCCAAAGCGGTGGAGACTG
 4420 4430 4440 4450 4460 4470 4480

DrdI

TTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGGCGGAGCCTATGGAAAAACGCCAGCAACGCGGCCTT
 AACTCGCAGCTAAAAAACTACGAGCAGTCCCCCGCCTCGGATACCTTTTTGCGGTGTTGCGCCGGAA
 4490 4500 4510 4520 4530 4540 4550

BspLU11 I

TTTACGGTTCCTGGCCTTTTGCTGGCCTTTTGCTCACATGTTCTTTCCTGCGTTATCCCCTGATTCTGTG
 AAATGCCAAGGACCGGAAAACGACCGGAAAACGAGTGTACAAGAAAGGACGCAATAGGGGACTAAGACAC
 4560 4570 4580 4590 4600 4610 4620

NsiI

Ppu10 I

GATAACCGTATTACCGCCATGCAT
 CTATTGGCATAATGGCGGTACGTA
 4630 4640 4650