

General Description

DNA pfastbac1_verB

Entire molecule length: 4776 bp

Restriction Map

Enzyme	# of cuts	Positions
AatI	1	4065
Acc65I	1	4132
AccI	2	3884 4072
AccIII	2	3889 3999
Acil	54	15(c) 29(c) 32(c) 60 87 486(c) 533 632(c) 741(c) 818(c) 862 983(c) 1029 1220(c) 1311(c) 1673 1682(c) 1817 1927(c) 2048(c) 2067(c) 2194(c) 2222(c) 2313 2334 2341 2384(c) 2401(c) 2427(c) 2440 2451 2507(c) 2517(c) 2737(c) 2766 2768(c) 2810(c) 2879(c) 2963(c) 3030(c) 3060 3078 3214 3445 3465 3687(c) 3767(c) 4031(c) 4052(c) 4090(c) 4094 4130(c) 4587 4596(c)
AccI	5	416 427 4055 4317 4696
Acyl	1	837
AflIII	2	2265 3247
AluI	14	146 403 1024 1087 1187 1708 1965 2101 2327 3859 4079 4140 4282 4487
Alw44I	3	705 1951 3719
AlwI	15	738 742(c) 1059 1522(c) 1523 1619(c) 1621 1707 2890 3733 4028(c) 4041 4168 4405 4418(c)
AlwNI	1	1856
AosI	1	1154
ApaLI	3	705 1951 3719
ApoI	5	416 427 4055 4317 4696
Asel	3	1202 3898 4721
AsnI	3	1202 3898 4721
Asp700	2	777 3802
Asp718	1	4132

AspEI	2	1377 4657
AspHI	6	709 794 1955 2990 3723 4081
AspI	1	3229
AsuII	1	4100
AvaI	3	3133 3397 4120
AvaII	4	1013 1235 3488 4040
AviII	1	1154
AvrII	1	4417
BamHI	1	4033
BanI	3	192 1424 4132
BanII	2	162 4081
BbsI	1	3758
BbvI	22	63 943(c) 1334 1637(c) 1843(c) 1846(c) 1936 2355 2373 3020(c) 3107 3221 3293(c) 3309(c) 3312(c) 3328(c) 3372(c) 3454(c) 3619 3622 4291 4770
BcgI	3	839(c) 3319 3599(c)
BclI	1	4402
BfaI	13	80 1184 1519 1772 2578 3856 3868 4084 4106 4155 4352 4418 4447
BglI	3	1259 3767 4767
BglII	2	2548 3018
BlnI	1	4417
BmyI	7	162 709 794 1955 2990 3723 4081
BpmI	1	1308
BpuAI	1	3758
BsaAI	3	233 2907 3882
BsaBI	3	3017 3929 4165
BsaHI	1	837
BsaI	2	1311 3668
BsaJI	15	2105 2711 2766 3043 3134 3367 3398 3578 3601 3732 3756 3790 3812 3847 4417
BsaWI	6	1081 1912 2059 2982 3889 3999
BseAI	2	3889 3999
BsiEI	8	859 1008 1931 2355 2772 3194 3762 4094
BsiHKA I	6	709 794 1955 2990 3723 4081
BsiYI	13	14 340 1787 2066 2232 2250 2772

		2982 3084 4024 4025 4596 4597
BsII	13	14 340 1787 2066 2232 2250 2772 2982 3084 4024 4025 4596 4597
BsmAI	6	535(c) 1311 2990(c) 3183 3668 4123
BsmFI	2	14 4001(c)
BsmI	2	4254 4347(c)
Bsp1286I	7	162 709 794 1955 2990 3723 4081
BspEI	2	3889 3999
BspHI	2	537 1545
BspWI	23	24 26 68 95 125 1259 1647 2219 2333 2398 2927 2985 3065 3101 3259 3378 3385 3687 3767 3773 3782 4493 4767
BsrBI	3	89(c) 535(c) 2336(c)
BsrDI	3	1143 1317(c) 2976
BsrFI	3	128 1292 3776
BsrGI	1	3411
BsrI	15	322 732 902(c) 1171 1214 1332 1738 1850(c) 1863(c) 2609(c) 2637 3491(c) 3558 4503(c) 4567(c)
BssHII	1	4048
Bst1107I	1	3885
BstBI	1	4100
BstNI	8	2106 2119 2240 2460 3044 3635 3734 3849
BstUI	23	5 29 49 425 486 818 1311 1641 2222 2453 2737 2768 2930 2963 3030 3062 3104 3379 3767 4031 4050 4052 4090
BstXI	1	2718
BstYI	12	730 747 1515 1527 1613 1624 2548 3018 3725 4033 4397 4423
CfoI	29	7 20 29 51 77 85 486 818 1155 1248 1641 1750 1924 2024 2091 2361 2394 2930 2963 3070 3104 3381 3455

		3505 3652 3772 4031 4050 4052
Cfr10I	3	128 1292 3776
Csp45I	1	4100
Csp6I	5	895 2813 3412 4133 4152
Ddel	4	876 1416 1582 1991
DpnI	28	696 732 749 1007 1053 1071 1412 1517 1529 1607 1615 1626 1701 2550 2783 2884 2912 3007 3020 3202 3727 3747 3905 4035 4162 4399 4404 4425
DpnII	28	694 730 747 1005 1051 1069 1410 1515 1527 1605 1613 1624 1699 2548 2781 2882 2910 3005 3018 3200 3725 3745 3903 4033 4160 4397 4402 4423
DraI	4	799 1491 1510 4205
DraIII	2	236 3584
DrdI	4	280 2163 2526 2567
DsaI	3	2766 3367 3578
DsaV	15	839 1190 1886 2104 2117 2238 2458 2771 3042 3592 3633 3732 3790 3847 4036
EaeI	5	984 2708 2769 3759 4091
EagI	3	2769 3759 4091
Eam1105I	2	1377 4657
EarI	5	578(c) 2382(c) 2666 4531 4717
Ecl136II	1	4079
EclXI	3	2769 3759 4091
Eco57I	4	711 1723(c) 2692 3723(c)
EcoRI	1	4055
EcoRII	8	2104 2117 2238 2458 3042 3633 3732 3847
EcoRV	1	2826
Esp3I	1	3183
Fnu4HI	39	16 30 52 633 862 957 984 1323 1651 1857 1860 1925 2068 2223 2341

		2344 2362 2451 2738 2769 3031 3034 3060 3096 3210 3307 3323 3326 3342 3386 3468 3608 3611 3688 3768 4091 4094 4280 4759
FnuDII	23	5 29 49 425 486 818 1311 1641 2222 2453 2737 2768 2930 2963 3030 3062 3104 3379 3767 4031 4050 4052 4090
FokI	9	938 1225 1406 2505 3405 3555(c) 3795(c) 3807 4619(c)
FspI	1	1154
HaeII	6	78 86 2025 2395 3071 3773
HaeIII	17	241 383 986 1253 1333 1791 2225 2243 2254 2710 2771 2936 3238 3690 3761 4065 4093
HgaI	6	11 845 1575(c) 2153(c) 3576(c) 4502
HgiAI	6	709 794 1955 2990 3723 4081
HhaI	29	7 20 29 51 77 85 486 818 1155 1248 1641 1750 1924 2024 2091 2361 2394 2930 2963 3070 3104 3381 3455 3505 3652 3772 4031 4050 4052
HinP1I	29	5 18 27 49 75 83 484 816 1153 1246 1639 1748 1922 2022 2089 2359 2392 2928 2961 3068 3102 3379 3453 3503 3650 3770 4029 4048 4050
HincII	3	3551 4073 4266
HindII	3	3551 4073 4266
HindIII	1	4138
Hinfl	9	281 303 1378 1895 2291 2366 3146 3852 4102
HpaI	1	4266
HpaII	20	129 840 1082 1192

		1259 1293 1697 1887 1913 2060 2772 2983 2993 3150 3594 3777 3792 3890 4000 4038
HphI	8	233 650(c) 685 891(c) 1307 1534 2880(c) 3582(c)
ItaI	39	16 30 52 633 862 957 984 1323 1651 1857 1860 1925 2068 2223 2341 2344 2362 2451 2738 2769 3031 3034 3060 3096 3210 3307 3323 3326 3342 3386 3468 3608 3611 3688 3768 4091 4094 4280 4759
KpnI	1	4136
Ksp632I	5	578(c) 2382(c) 2666 4531 4717
KspI	1	2769
MaeI	13	80 1184 1519 1772 2578 3856 3868 4084 4106 4155 4352 4418 4447
MaeII	13	122 232 275 287 446 775 1148 1564 2906 3053 3176 3881 4069
MaeIII	24	43 55 716 904 1057 1115 1446 1729 1845 1908 2454 2471 2744 2886 3310 3329 3373 3457 3588 3964 4291 4520 4649 4683
MamI	3	3017 3929 4165
MboI	28	694 730 747 1005 1051 1069 1410 1515 1527 1605 1613 1624 1699 2548 2781 2882 2910 3005 3018 3200 3725 3745 3903 4033 4160 4397 4402 4423
MboII	15	94(c) 595 704 782 1537 1608(c) 2399 2653(c) 2835(c) 3692(c) 3763 4518(c)

		4600(c) 4656(c) 4704(c)
Mcrl	8	859 1008 1931 2355 2772 3194 3762 4094
Mfel	1	4253
MluNI	1	2710
Mnll	24	206 1004(c) 1210(c) 1357 1438 1838 2088(c) 2162 2371(c) 2693(c) 2940(c) 2947 2990 3129(c) 3393(c) 3614(c) 3766 3822 4116(c) 4151(c) 4182(c) 4222 4231 4573
Mrol	2	3889 3999
Msl	1	2710
Msel	26	23 294 392 409 420 432 443 798 1163 1202 1437 1490 1504 1509 1561 2532 2573 2695 3898 3918 4204 4265 4472 4543 4624 4721
Msl	3	606 965 1124
MspA1l	6	741 1682 1927 2768 3467 4596
Mspl	20	129 840 1082 1192 1259 1293 1697 1887 1913 2060 2772 2983 2993 3150 3594 3777 3792 3890 4000 4038
Munl	1	4253
Mval	8	2106 2119 2240 2460 3044 3635 3734 3849
Mvnl	23	5 29 49 425 486 818 1311 1641 2222 2453 2737 2768 2930 2963 3030 3062 3104 3379 3767 4031 4050 4052 4090
Mwol	23	24 26 68 95 125 1259 1647 2219 2333 2398 2927 2985 3065 3101 3259 3378 3385 3687 3767 3773 3782 4493 4767
Nael	1	130

NciI	7	841 1192 1888 2773 3594 3792 4038
NdeII	28	694 730 747 1005 1051 1069 1410 1515 1527 1605 1613 1624 1699 2548 2781 2882 2910 3005 3018 3200 3725 3745 3903 4033 4160 4397 4402 4423
NgoMI	1	128
NlaIII	16	541 934 970 1048 1058 1549 2269 2721 2943 3220 3251 3440 3910 4130 4393 4650
NlaIV	12	161 173 194 490 1080 1291 1332 1426 2198 2237 4035 4134
NotI	1	4091
NspI	3	2269 3251 4130
NspV	1	4100
PaeR7I	1	4120
PleI	7	289 297(c) 1386 1889(c) 2374 3154 3846(c)
Psp1406I	3	446 775 1148
PstI	1	4117
PvuI	1	1008
RcaI	2	537 1545
RsaI	5	896 2814 3413 4134 4153
RsrII	1	4040
SacI	1	4081
SacII	1	2769
Sall	1	4071
SapI	1	2382(c)
Sau3AI	28	694 730 747 1005 1051 1069 1410 1515 1527 1605 1613 1624 1699 2548 2781 2882 2910 3005 3018 3200 3725 3745 3903 4033 4160 4397 4402 4423
Sau96I	8	239 1013 1235 1252 1331 3236 3488 4040
Scal	2	896 4153
ScrFI	15	841 1192 1888 2106 2119 2240 2460

		2773 3044 3594 3635 3734 3792 3849 4038
SfaNI	14	676(c) 925 1116(c) 2168(c) 2388(c) 2428 2483(c) 2844 3249(c) 3383(c) 3680 3817 3842 4319
Sfcl	6	10 1131 1809 2000 3860 4113
Sful	1	4100
SnaBI	1	3882
Snol	3	705 1951 3719
SpeI	1	4083
SphI	1	4130
SspBI	1	3411
Sspl	4	441 572 3896 3996
StuI	1	4065
StyI	3	2711 3601 4417
TaqI	11	198 723 2167 2822 3089 3362 3619 4072 4100 4121 4145
TfiI	2	2291 4102
ThaI	23	5 29 49 425 486 818 1311 1641 2222 2453 2737 2768 2930 2963 3030 3062 3104 3379 3767 4031 4050 4052 4090
Tru9I	26	23 294 392 409 420 432 443 798 1163 1202 1437 1490 1504 1509 1561 2532 2573 2695 3898 3918 4204 4265 4472 4543 4624 4721
Tsp509I	16	416 427 453 944 1199 1505 2680 2749 2797 3915 4055 4253 4317 4473 4696 4731
Tth111I	1	3229
XbaI	1	4105
XhoI	1	4120
XhoII	12	730 747 1515 1527 1613 1624 2548 3018 3725 4033 4397 4423
XmaII	3	2769 3759 4091
XmnI	2	777 3802

No cuts: AatII, AflII, AgeI, ApaI, AscI, BbrPI, BfrI, Bpu1102I, BsgI, BsiWI, Bsp120I, BspDI, BspMI, BstEII, Bsu36I, CclII, ClaI, DraII, Eco47III, EcoNI, EcoO109I, EspI, KasI, MluI, NarI, NcoI, NdeI, NheI, NruI, NsiI, PacI, PflMI, PinAI, PmaCI, PmeI, PmlI, Ppu10I, PpuMI, PvuII, SexAI, SfiI, SgrAI, SmaI, SwaI, Van91I, XcmI, XmaI