General Description

DNA pENTR3C Dual Selection Vector
Entire molecule length: 3756 bp

Restriction/Methylation Map

Enzyme	# of cuts	Positions
AatII	1	67
Acc65I	1	491
AccI	3	479 1357 1952
AccIII	1	820
AciI	24	43 191 200(c) 238(c) 251 503(c) 507 802 1166 1259(c) 1331(c) 1526(c) 1865 1963(c) 1967 2238 3159 3168(c) 3303 3413(c) 3534(c) 3553(c) 3680(c) 3708(c)
AcsI	5	497 824 1957 2246 2430
AcyI	2	64 247
AflII	1	344
AflIII	1	3751
AluI	14	349 596 605 724 853 1426 1789 1991 2093 2099 3194 3451 3497 3587
Alw44I	2	1723 3437
AlwI	13	61 480(c) 493 569(c) 582 1271(c) 1284 1703(c) 2495(c) 2890 3105(c) 3107 3193
AlwNI	2	1602 3342
ApaI	2	357 3059
ApaLI	2	1723 3437
ApoI	5	497 824 1957 2246 2430
AseI	1	2832
AsnI	1	2832
Asp700	1	471
Asp718	1	491
AspHI	2	1727 3441
AvaI	4	57 350 1692 1972
BamHI	3	485 574 1276
BanI	2	491 515
BanII	3	357 2288 3059
BbsI	1	135
BbvI	7	1406 2080(c) 2108 3123(c) 3329(c) 3332(c) 3422
BcgI	1	38(c)
BfaI	4	46 1271 1982 3258
BfrI	1	344
BmyI	5	357 1727 2288 3059

		3441
BpmI	1	946
BpuAI	1	135
BsaBI	1	1707
BsaHI	2	64 247
BsaI	1	1832
BsaJI	9	520 1055 1056 1125 1692 1714 2504 2906 3591
BsaWI	6	488 820 1463 2768 3398 3545
BseAI	1	820
BsiEI	4	507 1967 2633 3417
BsiHKAI	2	1727 3441
BsiYI	12	234 1056 1518 1699 1837 2547 2879 2896 3273 3552 3718 3736
BslI	12	234 1056 1518 1699 1837 2547 2879 2896 3273 3552 3718 3736
BsmAI	4	1048 1832 2116 2649
BsmFI	2	75 1731(c)
BsmI	4	817 1224 2517(c) 2594(c)
Bsp120I	2	353 3055
Bsp1286I	5	357 1727 2288 3059 3441
BspEI	1	820
BspHI	1	2157
BspMI	1	1938(c)
BspWI	11	522 602 1165 1261 1553 2102 2345 2377 2591 3133 3705
BsrBI	1	200
BsrDI	4	422 843 2023(c) 2131(c)
BsrFI	2	1823 2587
BsrGI	3	441 1667 1998
BsrI	11	137 487 631 1071(c) 1720(c) 1816(c) 1940(c) 2424 3224 3336(c) 3349(c)
BssHII	1	1317
Bst1107I	1	1358
BstNI	11	97 265 522 1001 1057 1716 2523 2880 3592 3605 3726
BstUI	9	503 1319 1867 1963 2240 2290 2635

		3127 3708
BstXI	1	1811
BstYI	7	53 485 574 1276 2882 3099 3110
CfoI	12	1319 1321 1795 2348 2570 2587 2657 3127 3236 3410 3510 3577
Cfr10I	2	1823 2587
Csp6I	7	442 492 702 1240 1668 1999 2467
DdeI	11	75 120 176 276 597 1045 1548 1857 2650 3068 3477
DpnI	13	55 487 576 1278 1710 1855 2502 2632 2884 3093 3101 3112 3187
DpnII	13	53 485 574 1276 1708 1853 2500 2630 2882 3091 3099 3110 3185
DraI	3	462 744 1083
DraII	2	354 3056
DrdI	1	3649
DsaI	1	1125
DsaV	19	95 193 226 263 520 999 1055 1556 1691 1692 1714 1762 2504 2521 2878 3372 3590 3603 3724
EaeI	5	504 1089 1717 1813 1964
EagI	2	504 1964
EarI	2	330 2446
EclXI	2	504 1964
Eco57I	1	3209(c)
EcoNI	1	2545
EcoO109I	2	354 3056
EcoRI	3	497 824 1957
EcoRII	11	95 263 520 999 1055 1714 2521 2878 3590 3603 3724
EcoRV	1	1979
Esp3I	2	1048 2649
Fnu4HI	15	504 507 1166 1395 1964 1967 2094 2097 2238 3137 3343 3346 3411 3554 3709
FnuDII	9	503 1319 1867 1963 2240 2290 2635 3127 3708

FokI	10	275(c) 311 804(c) 1555 1677 1715 1794 2073(c) 2271 2877(c)
HaeII	1	3511
HaeIII	21	137 226 287 303 355 506 737 782 1004 1091 1719 1815 1966 2105 2237 2720 3057 3277 3711 3729 3740
HgaI	3	255 3061(c) 3639(c)
HgiAI	2	1727 3441
HhaI	12	1319 1321 1795 2348 2570 2587 2657 3127 3236 3410 3510 3577
HinP1I	12	1317 1319 1793 2346 2568 2585 2655 3125 3234 3408 3508 3575
HincII	3	480 1415 1953
HindII	3	480 1415 1953
HinfI	8	21 1174 2544 2600 2772 2857 2863 3381
HpaII	20	194 228 489 543 779 821 949 1280 1464 1558 1693 1764 1824 2506 2588 2769 3183 3373 3399 3546
HphI	15	175 860 866(c) 868 1004 1060(c) 1072 1114(c) 1617 1718 2483(c) 2562 2758(c) 2802 2922
ItaI	15	504 507 1166 1395 1964 1967 2094 2097 2238 3137 3343 3346 3411 3554 3709
KpnI	1	495
Ksp632I	2	330 2446
MaeI	4	46 1271 1982 3258
MaeII	6	64 210 911 1086 1727 2229
MaeIII	14	339 385 881 986 1406 2053 2127 2393 2485 2780 3037 3215 3331 3394
MamI	1	1707
MboI	13	53 485 574 1276 1708 1853 2500

		2630 2882 3091 3099 3110 3185
MboII	8	140 317(c) 1099(c) 1854 2433(c) 2544 3094(c) 3246(c)
McrI	4	507 1967 2633 3417
MluNI	3	1091 1719 1815
MnlI	12	224(c) 670(c) 1267(c) 1372(c) 1543(c) 2227(c) 2449 2816(c) 2916 3324 3574(c) 3648
MroI	1	820
MscI	3	1091 1719 1815
MseI	11	345 461 743 1082 1224 1618 1891 2244 2623 2832 3028
MslI	2	1481 1809
MspA1I	5	724 1168 2093 3168 3413
MspI	20	194 228 489 543 779 821 949 1280 1464 1558 1693 1764 1824 2506 2588 2769 3183 3373 3399 3546
MvaI	11	97 265 522 1001 1057 1716 2523 2880 3592 3605 3726
MvnI	9	503 1319 1867 1963 2240 2290 2635 3127 3708
MwoI	11	522 602 1165 1261 1553 2102 2345 2377 2591 3133 3705
NciI	8	195 228 1558 1693 1694 1764 2506 3374
NcoI	1	1125
NdeII	13	53 485 574 1276 1708 1853 2500 2630 2882 3091 3099 3110 3185
NheI	1	45
NlaIII	13	53 899 1129 1190 1211 1486 1799 2161 2258 2370 2485 2790 3755
NlaIV	13	355 356 468 487 493 517 576 1278 1925 3057 3058 3684 3723

NotI	2	504 1964
NruI	1	2290
NsiI	2	2483 2749
NspI	1	3755
PaeR7I	1	1972
PflMI	2	1056 2896
PleI	2	2865 3375(c)
Ppu10I	2	2479 2745
Psp1406I	2	210 911
PstI	2	1949 2098
PvuI	1	2633
PvuII	2	724 2093
RcaI	1	2157
RsaI	7	443 493 703 1241 1669 2000 2468
SalI	2	478 1951
Sau3AI	13	53 485 574 1276 1708 1853 2500 2630 2882 3091 3099 3110 3185
Sau96I	7	135 225 353 354 2104 3055 3056
ScaI	1	1241
ScrFI	19	97 195 228 265 522 1001 1057 1558 1693 1694 1716 1764 2506 2523 2880 3374 3592 3605 3726
SfaNI	11	109 277 667 1152(c) 2249(c) 2333(c) 2468(c) 2555(c) 2675(c) 2986(c) 3654(c)
SfcI	4	1945 2094 3295 3486
SmaI	1	1694
SnoI	2	1723 3437
SspBI	3	441 1667 1998
SspI	2	1136 2558
StyI	1	1125
TaqI	8	479 581 1952 1973 2232 2598 3001 3653
TfiI	6	21 1174 2544 2600 2772 2863
ThaI	9	503 1319 1867 1963 2240 2290 2635 3127 3708
Tru9I	11	345 461 743 1082 1224 1618 1891 2244 2623 2832 3028
Tsp509I	14	405 471 497 824

		1229 1957 2034 2246 2430 2612 2829 2979 3021 3029
Van91I	2	1056 2896
XbaI	2	1270 1981
XhoI	1	1972
XhoII	7	53 485 574 1276 2882 3099 3110
XmaI	1	1692
XmaIII	2	504 1964
XmnI	1	471

No cuts: AatI, AgeI, AosI, AscI, AspEI, AspI, AsuII, AvaII, AviII, AvrII, BbrPI, BclI, BglI, BglII, BlnI, Bpu1102I, BsaAI, BsgI, BsiWI, BspDI, BstBI, BstEII, Bsu36I, CelII, ClaI, Csp45I, DraIII, Eam1105I, Ecl136II, Eco47III, EspI, FspI, HindIII, HpaI, KasI, KspI, MfeI, MluI, MunI, NaeI, NarI, NdeI, NgoMI, NspV, PacI, PinAI, PmaCI, PmeI, PmlI, PpuMI, RsrII, SacI, SacII, SapI, SexAI, SfiI, SfuI, SgrAI, SnaBI, SpeI, SphI, StuI, SwaI, Tth111I, XcmI