

Comments for:

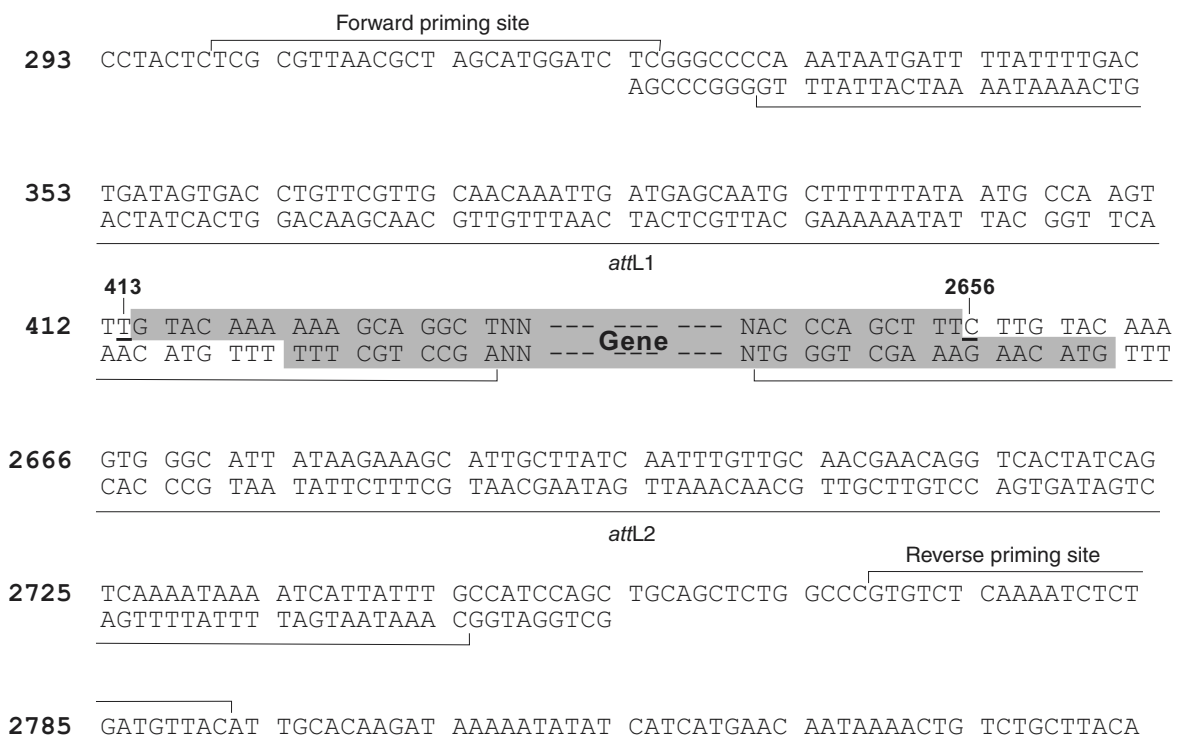
	pDONR™201 4470 nucleotides	pDONR™207 5585 nucleotides
<i>rrnB</i> T2 transcription termination sequence (c):	73-100	73-100
<i>rrnB</i> T1 transcription termination sequence (c):	232-275	232-275
Recommended forward priming site:	300-324	300-324
<i>attP1</i> :	332-563	332-563
<i>ccdB</i> gene (c):	959-1264	959-1264
Chloramphenicol resistance gene (c):	1606-2265	1606-2265
<i>attP2</i> (c):	2513-2744	2513-2744
Recommended reverse priming site:	2769-2792	2769-2792
Kanamycin resistance gene:	2868-3677	---
Gentamicin resistance gene (c):	---	3528-4061
pUC origin:	3794-4467	4909-5582

(c) = complementary strand

The recombination region of the expression clone resulting from pDONRTM201 × entry clone or pDONRTM207 × entry clone is shown below.

Features of the Recombination Region:

- Shaded regions correspond to DNA sequences transferred from the *attB* substrate into pDONRTM201 or pDONRTM207 by recombination. Non-shaded regions are derived from the pDONRTM201 or pDONRTM207 vector.
- Bases 413 and 2656 of the pDONRTM201 or pDONRTM207 vector sequence are marked.



CTTTCCTGCGTTATCCCCTGATTCTGTGGATAACCGTATTACCGCTAGCCAGGAAGAGTTTGTAGAAACG
CAAAAAGGCCATCCGTCAGGATGGCCTTCTGCTTAGTTTGATGCCTGGCAGTTTATGGCGGGCGTCCTGC
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GCAACGCGGCCTTTTTACGGTTCCTGGCCTTTTGCTGGCCTTTTGCTCACATGTT



General Description

DNA pDONR™207

Entire molecule length: 5585 bp

Restriction/Methylation Map

Enzyme	# of cuts	Positions
AccI	4	566 614 1516 2509
AccIII	1	2052
Acil	31	43 129(c) 142 180 189(c) 1008(c) 1347 1542 1614 1708(c) 2072(c) 2899 3536(c) 3605(c) 3689(c) 3756(c) 3786 3804 3940 4171 4191 4413(c) 4493(c) 4988 4997(c) 5132 5242(c) 5363(c) 5382(c) 5509(c) 5537(c)
Acsl	3	2048 2907 3091
AcyI	1	133
AfIII	2	3973 5580
AluI	15	1086 1449 2023 2152 2271 2280 2652 2754 2760 4585 4858 5023 5280 5326 5416
Alw44I	3	1148 4445 5266
AlwI	11	327 1171 1590(c) 1603 3156(c) 3616 4459 4666 4934(c) 4936 5022
AlwNI	2	1276 5171
ApaI	1	330
ApaLI	3	1148 4445 5266
ApoI	3	2048 2907 3091
Asp700	2	815 4528
AspEI	2	562 2516
AspHI	4	1152 3716 4449 5270
AspI	1	3955
AvaI	4	323 1179 3859 4123
AvaII	1	4214
BamHI	1	1595
BanII	2	330 2949
BbsI	2	243(c) 4484
BbvI	20	588(c) 1465(c) 2483(c) 2741(c) 2769 3746(c) 3833 3947 4019(c) 4035(c) 4038(c) 4054(c) 4098(c) 4180(c) 4345

		4348 4952(c) 5158(c) 5161(c) 5251
Bcgl	3	304(c) 4045 4325(c)
Bfal	6	46 312 777 4582 4594 5087
Bgll	1	4493
Bglll	1	3744
Bmyl	6	330 1152 2949 3716 4449 5270
Bpml	1	1932(c)
BpuAl	2	243(c) 4484
BsaAl	2	2359 3633
BsaBl	2	1168 3743
BsaHl	1	133
Bsal	2	1039(c) 4394
BsaJl	21	1157 1179 1747 1816 1817 2395 2396 3165 3769 3860 4093 4124 4304 4327 4458 4482 4516 4538 4573 4682 5420
BsaWl	6	1408 2052 3429 3708 5227 5374
BseAl	1	2052
BsiEl	6	570 618 3294 3920 4488 5246
BsiHKAl	4	1152 3716 4449 5270
BsiYl	15	151 1041 1179 1360 1823 2390 3208 3708 3810 4655 4672 5102 5381 5547 5565
Bsll	15	151 1041 1179 1360 1823 2390 3208 3708 3810 4655 4672 5102 5381 5547 5565
BsmAl	9	1039(c) 1120(c) 1824(c) 2377 2777 3310 3716(c) 3909 4394
BsmFl	3	1258(c) 2432 4860
Bsml	4	1654(c) 2061(c) 3178(c) 3255(c)
Bsp120l	1	326
Bsp1286l	6	330 1152 2949 3716 4449 5270
BspEl	1	2052
BspHl	2	2818 4860
BspMl	1	933
BspWl	21	1325 1714 2277 2481 2763 3006

		3038 3252 3653 3711 3791 3827 3985 4104 4111 4413 4493 4499 4508 4962 5534
BsrBI	1	182(c)
BsrDI	5	395 2035(c) 2684(c) 2792(c) 3702
BsrFI	3	1048 3248 4502
BsrGI	4	414 1204 2659 4137
BsrI	16	247(c) 520(c) 937 1061 1157 1270(c) 1807 2247(c) 2559 3085 4217(c) 4284 4824 5053 5165(c) 5178(c)
BssHII	1	1554
Bst1107I	1	1517
BstNI	17	51 116 284 1158 1818 1874 2397 2425 3184 3770 4361 4460 4575 4656 5421 5434 5555
BstUI	16	303 1008 1556 1603 2901 2951 3296 3656 3689 3756 3788 3830 4105 4493 4956 5537
BstXI	1	1068
BstYI	7	319 1595 3744 4451 4658 4928 4939
CfoI	23	1082 1556 1558 2477 3009 3231 3248 3318 3656 3689 3796 3830 4107 4181 4231 4378 4498 4854 4956 5065 5239 5339 5406
Cfr10I	3	1048 3248 4502
Csp6I	8	415 1205 1634 2172 2660 3128 3539 4138
Ddel	14	103 203 259 541 609 1015 1324 1828 2276 2504 2533 3311 4897 5306
Dpnl	22	321 1020 1165 1597 2323 2366 2450 3163 3293 3509 3610 3638 3733 3746 3928 4453 4473 4660 4922 4930 4941 5016

DpnII	22	319 1018 1163 1595 2321 2364 2448 3161 3291 3507 3608 3636 3731 3744 3926 4451 4471 4658 4920 4928 4939 5014
DraI	2	1793 2132
DraII	1	327
DraIII	1	4310
DrdI	1	5478
DsaI	3	1747 4093 4304
DsaV	30	49 114 151 184 282 1108 1156 1178 1179 1314 1816 1872 2312 2395 2404 2423 3165 3182 3497 3768 4318 4359 4458 4516 4573 4654 5201 5419 5432 5553
EaeI	4	1058 1154 1783 4485
EagI	1	4485
Eam1105I	2	562 2516
EarI	2	49(c) 3107
EclXI	1	4485
Eco57I	2	4449(c) 5038(c)
EcoNI	1	3206
EcoO109I	1	327
EcoRI	1	2048
EcoRII	17	49 114 282 1156 1816 1872 2395 2423 3182 3768 4359 4458 4573 4654 5419 5432 5553
EcoRV	1	3552
Esp3I	4	1824(c) 2377 3310 3909
Fnu4HI	28	602 1479 1709 2497 2755 2758 2899 3757 3760 3786 3822 3936 4033 4049 4052 4068 4112 4194 4334 4337 4414 4494 4966 5172 5175 5240 5383 5538
FnuDII	16	303 1008 1556 1603 2901 2951 3296 3656 3689 3756 3788 3830 4105

		4493 4956 5537
FokI	14	67(c) 103 1077(c) 1156(c) 1194(c) 1316(c) 2068 2734(c) 2932 4131 4281(c) 4521(c) 4533 4653(c)
HaeII	3	3797 4499 5340
HaeIII	24	79 95 156 245 328 1060 1156 1785 1872 2094 2139 2394 2766 2898 3381 3497 3662 3964 4416 4487 5106 5540 5558 5569
HgaI	5	122(c) 2473(c) 4302(c) 4890(c) 5468(c)
HgiAI	4	1152 3716 4449 5270
HhaI	23	1082 1556 1558 2477 3009 3231 3248 3318 3656 3689 3796 3830 4107 4181 4231 4378 4498 4854 4956 5065 5239 5339 5406
HinP1I	23	1080 1554 1556 2475 3007 3229 3246 3316 3654 3687 3794 3828 4105 4179 4229 4376 4496 4852 4954 5063 5237 5337 5404
HincII	6	307 567 615 1460 2510 4277
HindII	6	307 567 615 1460 2510 4277
Hinfl	13	21 531 649 1699 2543 3205 3261 3433 3872 4578 4633 4639 5210
HpaI	1	307
HpaII	27	152 186 1049 1109 1180 1315 1409 1593 1925 2053 2095 2314 2406 3167 3249 3430 3498 3709 3719 3876 4320 4503 4518 5012 5202 5228 5375
HphI	20	208(c) 607 1158(c)

		1259(c) 1763 1805(c) 1817 1873(c) 2009(c) 2011 2017(c) 2350 2502 3144(c) 3223 3419(c) 3463 3606(c) 4308(c) 4698
Ital	28	602 1479 1709 2497 2755 2758 2899 3757 3760 3786 3822 3936 4033 4049 4052 4068 4112 4194 4334 4337 4414 4494 4966 5172 5175 5240 5383 5538
Ksp632l	2	49(c) 3107
Mael	6	46 312 777 4582 4594 5087
Maell	14	170 437 890 1146 1788 1963 2358 2370 2638 2890 3632 3779 3902 4879
Maelll	25	358 522 554 741 1464 1885 1990 2456 2518 2550 2714 2788 3054 3146 3441 3612 4036 4055 4099 4183 4314 4813 5044 5160 5223
Maml	2	1168 3743
Mbol	22	319 1018 1163 1595 2321 2364 2448 3161 3291 3507 3608 3636 3731 3744 3926 4451 4471 4658 4920 4928 4939 5014
Mboll	13	66 243(c) 581(c) 629(c) 1022(c) 1778 2443(c) 3094(c) 3205 3561(c) 4418(c) 4489 4923(c)
Mcrl	6	570 618 3294 3920 4488 5246
MluNI	3	1060 1156 1785
Mnll	24	159 690 713(c) 740 884 1333 1504 2207 2362 2888(c) 3110 3477(c) 3666(c) 3673 3716 3855(c) 4119(c) 4340(c) 4492 4548 4692 5153 5403(c) 5477

Mrol	1	2052
MscI	3	1060 1156 1785
MseI	13	306 464 693 982 1255 1650 1792 2131 2611 2905 3284 4804 4876
MslI	3	1066 1394 2336
MspA1I	6	1708 2152 2754 4193 4997 5242
MspI	27	152 186 1049 1109 1180 1315 1409 1593 1925 2053 2095 2314 2406 3167 3249 3430 3498 3709 3719 3876 4320 4503 4518 5012 5202 5228 5375
MvaI	17	51 116 284 1158 1818 1874 2397 2425 3184 3770 4361 4460 4575 4656 5421 5434 5555
MvnI	16	303 1008 1556 1603 2901 2951 3296 3656 3689 3756 3788 3830 4105 4493 4956 5537
MwoI	21	1325 1714 2277 2481 2763 3006 3038 3252 3653 3711 3791 3827 3985 4104 4111 4413 4493 4499 4508 4962 5534
NciI	13	153 186 1110 1180 1181 1316 2314 2406 3167 3499 4320 4518 5203
NcoI	1	1747
NdeI	22	319 1018 1163 1595 2321 2364 2448 3161 3291 3507 3608 3636 3731 3744 3926 4451 4471 4658 4920 4928 4939 5014
NheI	2	45 311
NlaIII	18	319 1080 1393 1669 1690 1751 1981 2822 2919 3031 3146 3451 3669 3946 3977 4166 4864 5584

NlaIV	7	328 329 950 1597 2350 5513 5552
Nrul	1	2951
Nsil	2	3144 3410
Nspl	2	3977 5584
PfiMI	3	1823 2390 4672
PleI	4	3880 4572(c) 4641 5204(c)
Ppu10I	2	3140 3406
Psp1406I	2	170 1963
PstI	2	930 2759
PvuI	1	3294
PvuII	2	2152 2754
RcaI	2	2818 4860
RsaI	8	416 1206 1635 2173 2661 3129 3540 4139
SalI	3	565 613 2508
Sau3AI	22	319 1018 1163 1595 2321 2364 2448 3161 3291 3507 3608 3636 3731 3744 3926 4451 4471 4658 4920 4928 4939 5014
Sau96I	8	154 244 326 327 2393 2765 3962 4214
Scal	1	1635
ScrFI	30	51 116 153 186 284 1110 1158 1180 1181 1316 1818 1874 2314 2397 2406 2425 3167 3184 3499 3770 4320 4361 4460 4518 4575 4656 5203 5421 5434 5555
SfaNI	20	101(c) 269(c) 588(c) 813 1720 2205(c) 2483(c) 2910(c) 2994(c) 3129(c) 3216(c) 3336(c) 3570 3975(c) 4109(c) 4406 4543 4568 4762(c) 5483(c)
Sfcl	7	560 926 2513 2755 4586 5124 5315
SmaI	1	1181
Snol	3	1148 4445 5266
SspBI	4	414 1204 2659 4137
Sspl	2	1740 3219
StyI	2	1747 4327

TaqI	13	566 614 921 2293 2509 2893 3259 3548 3815 4088 4345 4777 5482
TfiI	9	21 531 649 1699 2543 3205 3261 3433 4639
ThaI	16	303 1008 1556 1603 2901 2951 3296 3656 3689 3756 3788 3830 4105 4493 4956 5537
Tru9I	13	306 464 693 982 1255 1650 1792 2131 2611 2905 3284 4804 4876
Tsp509I	16	378 466 814 907 1643 2048 2607 2695 2907 3091 3273 3490 3523 4755 4797 4805
Tth111I	1	3955
Van91I	3	1823 2390 4672
XhoI	7	319 1595 3744 4451 4658 4928 4939
XmaI	1	1179
XmaIII	1	4485
XmnI	2	815 4528

No cuts: AatI, AatII, Acc65I, AflIII, AgeI, AoiI, AscI, AseI, AsnI, Asp718, AsuII, AviII, AvrII, BanI, BbrPI, BclI, BfrI, BlnI, Bpu1102I, BsgI, BsiWI, BspDI, BstBI, BstEII, Bsu36I, CelII, ClaI, Csp45I, Ecl136II, Eco47III, EspI, FspI, HindIII, KasI, KpnI, KspI, MfeI, MluI, MunI, NaeI, NarI, NdeI, NgoMI, NotI, NspV, PacI, PaeR7I, PinAI, PmaCI, PmeI, PmlI, PpuMI, RsrII, SacI, SacII, SapI, SexAI, SfiI, SfuI, SgrAI, SnaBI, SpeI, SphI, StuI, SwaI, XbaI, XcmI, XhoI