

pTagGFP2-N vector

Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	1536; 1741
AarI	CACCTGCNNNN!	0	
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	3	1824; 2780; 4569
AatI	AGG!CCT	1	2574
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	1	640
AccII	CG!CG	19	60; 651; 767; 1004; 1322; 1402; 1677; 2053; 2073; 2097; 2128; 2819; 3120; 3558; 3642; 3705; 3774; 4047; 4628
AccIII	T!CCGGA	0	
Acc16I	TGC!GCA	1	2855
Acc36I	ACCTGCNNNN!	2	3021; 3471
Acc36I	!NNNNNNNNGCAGGT	1	2640
Acc65I	G!GTACC	1	645
AccB1I	G!GYRCC	5	465; 645; 1906; 2752; 2787
AccB7I	CCANNNN!NTGG	2	1098; 1374
AccBSI	CCG!CTC	2	2177; 3366
AccBSI	GAG!CGG	3	683; 2013; 3420
AceIII	CAGCTCNNNNNNN!	1	1709
AceIII	!NNNNNNNNNNGAGCTG	5	552; 682; 715; 1036; 1369
AciI	C!CGC	40	58; 86; 98; 112; 279; 507; 589; 649; 894; 1002; 1041; 1134; 1179; 1308; 1320; 1400; 2068; 2071; 2085; 2175; 2423; 2435; 2444; 2456; 2466; 2477; 2523; 2662; 2725; 3227; 3272; 3338; 3364; 3489; 3492; 3640; 3772; 4079; 4223; 4719
AciI	G!CGG	30	370; 403; 528; 651; 683; 767; 1004; 1196; 1199; 1396; 2013; 2040; 2128; 2238; 2819; 2883; 2984; 2987; 3267; 3322; 3420; 3558; 3705; 3845; 4088; 4333; 4454; 4473; 4600; 4628
AclI	AA!CGTT	0	
AclWI	GGATCNNNN!	8	668; 2621; 2932; 3178; 3570; 3929; 4027; 4113
AclWI	!NNNNNGATCC	7	580; 655; 1254; 2997; 3541; 3928; 4025
AcoI	Y!GGCCR	7	747; 1211; 1397; 2659; 2833; 3224; 3251
AcsI	R!AATTY	4	629; 1567; 1671; 1682
AcuI	CTGAAGNNNNNNNNNNNNNNNN!	3	1072; 2899; 3331
AcuI	!NNNNNNNNNNNNNCTTCAG	2	1332; 4129
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	8	122; 175; 258; 444; 785; 2753; 3455; 3534
AdeI	CACNNN!GTG	3	1125; 1332; 1869
AfaI	GT!AC	12	219; 244; 299; 332; 383; 540; 647; 994; 1105; 1129; 1387; 3059
AfeI	AGC!GCT	1	596
AfiI	CCNNNNN!NNGG	24	49; 683; 845; 978; 1008; 1098; 1143; 1314; 1374; 1765; 2091; 2483; 2734; 3278; 3559; 3591; 3723; 3758; 3808; 3840; 4193; 4472; 4638; 4656
AfIII	C!TTAAG	1	1635
AfIII	A!CRYGT	2	1124; 4671
AgeI	A!CCGGT	1	666
AgsI	TTS!AA	9	930; 1068; 1113; 1173; 2164; 2208; 2218; 2631; 4207
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	1	741
AjnI	!CCWGG	20	88; 281; 844; 854; 956; 977; 1031; 1085; 1157; 1238; 1337; 2287; 2342; 2359; 3138; 3717; 3820; 4510; 4523; 4644
AjuI	GAANNNNNNNTTGGNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNN!	0	

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AjuI	!NNNNNNNGAANNNNNNNTTGG	0	
AleI	CACNN!NNGTG	2	856; 1033
AlfI	GCANNNNNTGCNNNNNNNNNNNN!	2	2327; 2399
AlfI	!NNNNNNNNNGCANNNNNTGCG	2	2293; 2365
AloI	GAACNNNNNTCCNNNNNNNNNNNN!	1	1835
AloI	!NNNNNNNGGANNNNNNGTTC	1	796
AloI	GGANNNNNGTTCNNNNNNNNNNNN!	1	828
AloI	!NNNNNNNGAACNNNNNTCC	1	1803
AluI	AG!CT	23	566; 618; 624; 696; 729; 801; 834; 1050; 1098; 1109; 1209; 1383; 1532; 1699; 1956; 2251; 2539; 2859; 3317; 4114; 4371; 4417; 4507
AluBI	AG!CT	23	566; 618; 624; 696; 729; 801; 834; 1050; 1098; 1109; 1209; 1383; 1532; 1699; 1956; 2251; 2539; 2859; 3317; 4114; 4371; 4417; 4507
AlwI	GGATCNNNN!	8	668; 2621; 2932; 3178; 3570; 3929; 4027; 4113
AlwI	!NNNNNGATCC	7	580; 655; 1254; 2997; 3541; 3928; 4025
Alw21I	GWGCW!C	8	620; 746; 908; 1285; 1337; 2866; 3056; 4361
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	4	2177; 2595; 3614; 3742
Alw44I	G!TGCAC	2	742; 4357
AlwNI	CAGNNN!CTG	3	1355; 3854; 4262
Ama87I	C!YCGRG	4	613; 656; 901; 943
Aor13HI	T!CCGGA	0	
Aor51HI	AGC!GCT	1	596
ApaI	GGGCC!C	1	657
ApaBI	GCANNNNN!TGC	4	885; 2321; 2393; 3855
ApaLI	G!TGCAC	2	742; 4357
ApeKI	G!CWGC	16	834; 1206; 1358; 1529; 2048; 2713; 2814; 2856; 2897; 2990; 3377; 3830; 4056; 4262; 4265; 4330
ApoI	R!AATTY	4	629; 1567; 1671; 1682
ApyPI	ATCGACNNNNNNNNNNNNNNNNNN!	1	3268
ApyPI	!NNNNNNNNNNNNNNNNNGTTCGAT	3	3062; 3715; 4553
AquI	GCCGNACNNNNNNNNNNNNNNNNNN!	1	3152
AquI	!NNNNNNNNNNNNNNNNNGTNCGGC	0	
AquIII	GAGGAGNNNNNNNNNNNNNNNNNN!	2	716; 2581
AquIII	!NNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNCTCCYC	1	3323
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	0	
ArsI	!NNNNNNCRAANNNNNNNGTC	0	
ArsI	CRAANNNNNGTCNNNNNNNNNNNN!	0	
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	24	586; 610; 661; 723; 807; 1260; 1296; 1411; 2591; 2595; 2614; 2925; 3003; 3084; 3093; 3171; 3547; 3563; 3922; 3934; 4012; 4020; 4031; 4106
AsiGI	A!CCGGT	1	666
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	2871
Asp700I	GAANN!NNTTC	1	922
Asp718I	G!GTACC	1	645
AspA2I	C!CTAGG	2	2575; 3590
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	25	597; 767; 937; 965; 1354; 2019; 2027; 2053; 2075; 2084; 2097; 2128; 2747; 2755; 2819; 2856; 3122; 3382; 3558; 3644; 4047; 4156; 4330; 4430; 4497
AspS9I	G!GNCC	14	83; 276; 654; 848; 1089; 1249; 1305; 1317; 1860; 3269; 3714; 3760; 3818; 3851
AssI	AGT!ACT	0	
AsuII	TT!CGAA	2	627; 3435
AsuC2I	CC!SGG	6	657; 658; 2757; 2917; 3530; 4294
AsuHPI	GGTGANNNNNNNN!	6	376; 870; 1023; 1047; 3824; 3940
AsuHPI	!NNNNNNNTCACC	2	1870; 2931
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	4	613; 656; 901; 943

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AvaII	G!GWCC	3	1305; 3269; 3714
AviII	TGC!GCA	1	2855
AvrII	C!CTAGG	2	2575; 3590
AxyI	CC!TNAGG	2	2233; 3865
BaeI	ACNNNNGTAYCNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGCMI!C	8	657; 716; 746; 845; 1238; 2699; 2792; 4361
BalI	TGG!CCA	1	2835
BamHI	G!GATCC	1	660
BanI	G!GYRCC	5	465; 645; 1906; 2752; 2787
BanII	GRGCY!C	5	620; 657; 1944; 3118; 3828
BanIII	AT!CGAT	1	2593
BarI	GAAGNNNNNTACNNNNNNNNNNNN!	0	
BarI	!NNNNNNNGTANNNNNNNCTTC	0	
BarI	GTANNNNNNNCTTCNNNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNNNTAC	0	
BasI	CCANNNN!NTGG	2	1098; 1374
BauI	C!ACGAG	2	3471; 4498
BauI	C!TCGTG	1	3345
BbeI	GGCGC!C	1	2756
Bbr7I	GAAGACNNNNNNNN!	0	
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	0	
BbsI	!NNNNNNGTCTTC	0	
BbuI	GCATG!C	3	2323; 2395; 3158
BbvI	GCAGCNNNNNNNN!	7	1218; 1541; 2826; 2868; 3389; 3842; 4342
BbvI	!NNNNNNNNNNNNNGCTGC	8	821; 1345; 2035; 2700; 2884; 2977; 4043; 4249
Bbv12I	GWGCW!C	8	620; 746; 908; 1285; 1337; 2866; 3056; 4361
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	6	976; 1273; 1883; 2447; 2973; 3475
BccI	!NNNNNGATGG	3	1851; 2631; 3059
BceAI	ACGGCNNNNNNNNNNNN!	10	750; 810; 891; 1002; 1092; 1170; 1263; 1386; 3179; 3666
BceAI	!NNNNNNNNNNNNNGCCGT	3	1894; 2712; 4171
BceFI	ACGGCNNNNNNNNNNNN!	10	750; 810; 891; 1002; 1092; 1170; 1263; 1386; 3179; 3666
BceFI	!NNNNNNNNNNNNNGCCGT	3	1895; 2713; 4172
BcgI	CGANNNNNNTGCNNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNGCANNNNNNNTCG	0	
BcgI	GCANNNNNNTCGNNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNCGANNNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	2182; 2972; 4473
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	0	
BcnI	CC!SGG	6	657; 658; 2757; 2917; 3530; 4294
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNTCANNNNNNNNNNNN!	2	1282; 4606
BdaI	!NNNNNNNNNNNTGANNNNNNNTCA	2	1248; 4572
BfaI	C!TAG	8	592; 1408; 1602; 2020; 2576; 3591; 3925; 4178
BfiI	ACTGGGNNNNN!	1	2702
BfiI	!NNNNCCCAGT	2	289; 2454
BfmI	C!TRYAG	4	634; 2088; 4215; 4406
BfoI	RGCGC!Y	7	598; 938; 1355; 2020; 2028; 2756; 4431
BfrI	C!TTAAG	1	1635
BfuI	GTATCCNNNNNN!	3	2182; 2972; 4473
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	2	3021; 3471
BfuAI	!NNNNNNNNNGCAGGT	1	2640
BfuCI	!GATC	24	585; 609; 660; 722; 806; 1259; 1295; 1410; 2590; 2594; 2613; 2924; 3002; 3083; 3092; 3170; 3546; 3562; 3921; 3933; 4011; 4019; 4030; 4105
BglI	GCCNNNN!NGGC	4	90; 212; 283; 2528
BglII	A!GATCT	1	609

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BisI	GC!NGC	37	768; 835; 1005; 1197; 1200; 1207; 1359; 1397; 1400; 1530; 2049; 2071; 2085; 2523; 2662; 2714; 2725; 2815; 2820; 2857; 2898; 2985; 2988; 2991; 3227; 3323; 3364; 3378; 3492; 3831; 3846; 4057; 4263; 4266; 4331; 4474; 4629
BlnI	C!CTAGG	2	2575; 3590
BlpI	GC!TNAGC	0	
BlsI	GCN!GC	37	769; 836; 1006; 1198; 1201; 1208; 1360; 1398; 1401; 1531; 2050; 2072; 2086; 2524; 2663; 2715; 2726; 2816; 2821; 2858; 2899; 2986; 2989; 2992; 3228; 3324; 3365; 3379; 3493; 3832; 3847; 4058; 4264; 4267; 4332; 4475; 4630
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	3	1305; 3269; 3714
Bme1390I	CC!NGG	26	90; 283; 657; 658; 846; 856; 958; 979; 1033; 1087; 1159; 1240; 1339; 2289; 2344; 2361; 2757; 2917; 3140; 3530; 3719; 3822; 4294; 4512; 4525; 4646
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	4	613; 656; 901; 943
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	1	741
BmgT120I	GG!NCC	14	84; 277; 655; 849; 1090; 1250; 1306; 1318; 1861; 3270; 3715; 3761; 3819; 3852
BmiI	GGN!NCC	18	467; 647; 655; 662; 1251; 1908; 1929; 1941; 2132; 2293; 2365; 2754; 2789; 3637; 3716; 3761; 4604; 4643
BmrI	ACTGGGNNNNN!	1	2702
BmrI	!NNNNCCCAGT	2	289; 2454
BmrFI	CC!NGG	26	90; 283; 657; 658; 846; 856; 958; 979; 1033; 1087; 1159; 1240; 1339; 2289; 2344; 2361; 2757; 2917; 3140; 3530; 3719; 3822; 4294; 4512; 4525; 4646
BmsI	GCATCNNNNN!	9	716; 887; 1052; 1569; 2332; 2404; 3052; 3116; 3391
BmsI	!NNNNNNNNNGATGC	5	357; 2711; 2966; 3182; 4574
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	1	2702
BmuI	!NNNNCCCAGT	2	289; 2454
BoxI	GACNN!NNGTC	0	
BpiI	GAAGACNN!	0	
BpiI	!NNNNNNGTCTTC	0	
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	2	2542; 3441
BpI	!NNNNNNNNGAGNNNNNCTC	2	2510; 3409
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	5	823; 1120; 1180; 1360; 3593
BpmI	!NNNNNNNNNNNNNNNCTCCAG	1	3536
Bpu10I	CC!TNAGC	1	1279
Bpu10I	GC!TNAGG	0	
Bpu14I	TT!CGAA	2	627; 3435
Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	0	
BpuAI	!NNNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	4047; 4586
BpuEI	!NNNNNNNNNNNNNNNCTCAAG	3	604; 3129; 4288
BpuMI	CC!SGG	6	657; 658; 2757; 2917; 3530; 4294
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	1	3742
Bsa29I	AT!CGAT	1	2593
BsaAI	YAC!GTR	3	340; 1869; 3057
BsaBI	GATNN!NNATC	3	1264; 1415; 2612
BsaHI	GR!CGYC	8	122; 175; 258; 444; 785; 2753; 3455; 3534
BsaJI	C!CNNGG	26	360; 649; 656; 844; 854; 944; 1002; 1031; 1086; 1238; 1239; 1368; 2287; 2359; 2482; 2517; 2526; 2575; 2916; 3185; 3590; 3717; 3718; 3820; 3821; 4511
BsaMI	GAATGCN!	1	1504
BsaMI	G!CATTC	1	1597
BsaWI	W!CCGGW	6	600; 666; 2784; 3628; 4318; 4465
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	1	1833
BsaXI	!NNNNNNNNGGAGNNNNNNGT	1	796
BsaXI	GGAGNNNNNNGTNNNNNNNNNN!	1	826
BsaXI	!NNNNNNNNNACNNNNNCTCC	1	1803

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BsbI	CAACACNNNNNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTG	2	1754; 3661
Bsc4I	CCNNNNN!NNGG	24	49; 683; 845; 978; 1008; 1098; 1143; 1314; 1374; 1765; 2091; 2483; 2734; 3278; 3559; 3591; 3723; 3758; 3808; 3840; 4193; 4472; 4638; 4656
BscAI	GCATCNNNN!	9	715; 886; 1051; 1568; 2331; 2403; 3051; 3115; 3390
BscAI	!NNNNNGATGC	5	360; 2714; 2969; 3185; 4577
BseI	ACTGGN!	3	2697; 2898; 4144
BseI	C!CAGT	7	295; 882; 972; 1782; 2460; 4256; 4269
Bse8I	GATNN!NNATC	3	1264; 1415; 2612
Bse21I	CC!TNAGG	2	2233; 3865
Bse118I	R!CCGGY	7	666; 703; 826; 1970; 3072; 3253; 3536
BseAI	T!CCGGA	0	
BseBI	CC!WGG	20	90; 283; 846; 856; 958; 979; 1033; 1087; 1159; 1240; 1339; 2289; 2344; 2361; 3140; 3719; 3822; 4512; 4525; 4646
BseCI	AT!CGAT	1	2593
BseDI	C!CNNGG	26	360; 649; 656; 844; 854; 944; 1002; 1031; 1086; 1238; 1239; 1368; 2287; 2359; 2482; 2517; 2526; 2575; 2916; 3185; 3590; 3717; 3718; 3820; 3821; 4511
Bse3DI	GCAATGNN!	1	2986
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	4	2613; 3070; 3095; 3549
BseGI	!CATCC	6	878; 953; 968; 1082; 1130; 2439
BseJI	GATNN!NNATC	3	1264; 1415; 2612
BseLI	CCNNNNN!NNGG	24	49; 683; 845; 978; 1008; 1098; 1143; 1314; 1374; 1765; 2091; 2483; 2734; 3278; 3559; 3591; 3723; 3758; 3808; 3840; 4193; 4472; 4638; 4656
BseMI	GCAATGNN!	1	2986
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	3	620; 1300; 3879
BseMII	!NNNNNNNNCTGAG	6	1270; 2224; 2526; 3407; 3979; 4388
BseNI	ACTGGN!	3	2697; 2898; 4144
BseNI	C!CAGT	7	295; 882; 972; 1782; 2460; 4256; 4269
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	2	706; 2571
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGCMI!C	8	657; 716; 746; 845; 1238; 2699; 2792; 4361
BseXI	GCAGCNNNNNNNN!	7	1218; 1541; 2826; 2868; 3389; 3842; 4342
BseXI	!NNNNNNNNNNNGCTGC	8	821; 1345; 2035; 2700; 2884; 2977; 4043; 4249
BseX3I	C!GGCCG	2	1397; 2659
BseYI	C!CCAGC	3	2296; 2368; 4367
BseYI	G!CTGGG	1	3257
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	1	1225
BsgI	!NNNNNNNNNNNNNNCTGCAC	1	804
Bsh1236I	CG!CG	19	60; 651; 767; 1004; 1322; 1402; 1677; 2053; 2073; 2097; 2128; 2819; 3120; 3558; 3642; 3705; 3774; 4047; 4628
Bsh1285I	CGRY!CG	4	671; 1400; 2662; 4337
BshFI	GG!CC	29	84; 277; 655; 749; 849; 1091; 1147; 1157; 1213; 1250; 1318; 1399; 1719; 1861; 2516; 2522; 2531; 2574; 2661; 2835; 3226; 3253; 3762; 3819; 3852; 4197; 4631; 4649; 4660
BshNI	G!GYRCC	5	465; 645; 1906; 2752; 2787
BshTI	A!CCGGT	1	666
BshVI	AT!CGAT	1	2593
BsiEI	CGRY!CG	4	671; 1400; 2662; 4337
BsiHKAI	GWGCW!C	8	620; 746; 908; 1285; 1337; 2866; 3056; 4361
BsiHKCI	C!YCGRG	4	613; 656; 901; 943
BsiSI	C!CGG	21	601; 657; 667; 704; 827; 1971; 2658; 2735; 2757; 2785; 2916; 3006; 3073; 3254; 3529; 3537; 3629; 4103; 4293; 4319; 4466
BsiWI	C!GTACG	0	
BslI	CCNNNNN!NNGG	24	49; 683; 845; 978; 1008; 1098; 1143; 1314; 1374; 1765; 2091; 2483; 2734; 3278; 3559; 3591; 3723; 3758; 3808; 3840; 4193; 4472; 4638; 4656
BslFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 2904; 3436; 3545
BslFI	!NNNNNNNNNNNNNGTCCC	4	2269; 2341; 2405; 3700
BsmI	GAATGCN!	1	1504
BsmI	G!CATTC	1	1597

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BsmAI	GTCTCN!	1	434
BsmAI	!NNNNNGAGAC	4	2177; 2595; 3614; 3742
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 2904; 3436; 3545
BsmFI	!NNNNNNNNNNNNNGTCCC	4	2269; 2341; 2405; 3700
BsnI	GG!CC	29	84; 277; 655; 749; 849; 1091; 1147; 1157; 1213; 1250; 1318; 1399; 1719; 1861; 2516; 2522; 2531; 2574; 2661; 2835; 3226; 3253; 3762; 3819; 3852; 4197; 4631; 4649; 4660
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	1	3742
BsoBI	C!YCGRG	4	613; 656; 901; 943
Bsp13I	T!CCGGA	0	
Bsp19I	C!CATGG	3	360; 2482; 3185
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 3556
Bsp24I	!NNNNNNCCANNNNNGTC	2	3977; 4155
Bsp24I	CCANNNNNGTCNNNNNNNNNN!	2	4009; 4187
Bsp24I	!NNNNNNNGACNNNNNTGG	2	257; 3524
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	2	627; 3435
Bsp120I	G!GGCCC	1	653
Bsp143I	!GATC	24	585; 609; 660; 722; 806; 1259; 1295; 1410; 2590; 2594; 2613; 2924; 3002; 3083; 3092; 3170; 3546; 3562; 3921; 3933; 4011; 4019; 4030; 4105
Bsp1286I	GDGCH!C	17	620; 657; 716; 746; 845; 908; 1238; 1285; 1337; 1944; 2699; 2792; 2866; 3056; 3118; 3828; 4361
Bsp1407I	T!GTACA	2	1127; 1385
Bsp1720I	GC!TNAGC	0	
BspACI	C!CGC	40	58; 86; 98; 112; 279; 507; 589; 649; 894; 1002; 1041; 1134; 1179; 1308; 1320; 1400; 2068; 2071; 2085; 2175; 2423; 2435; 2444; 2456; 2466; 2477; 2523; 2662; 2725; 3227; 3272; 3338; 3364; 3489; 3492; 3640; 3772; 4079; 4223; 4719
BspACI	G!CGG	30	370; 403; 528; 651; 683; 767; 1004; 1196; 1199; 1396; 2013; 2040; 2128; 2238; 2819; 2883; 2984; 2987; 3267; 3322; 3420; 3558; 3705; 3845; 4088; 4333; 4454; 4473; 4600; 4628
BspCNI	CTCAGNNNNNNNN!	3	619; 1299; 3878
BspCNI	!NNNNNNNCTGAG	6	1271; 2225; 2527; 3408; 3980; 4389
BspDI	AT!CGAT	1	2593
BspD6I	GACTCNNNN!	6	418; 612; 1412; 1826; 3432; 4309
BspD6I	!NNNNNGAGTC	3	1335; 1789; 2221
BspEI	T!CCGGA	0	
BspFNI	CG!CG	19	60; 651; 767; 1004; 1322; 1402; 1677; 2053; 2073; 2097; 2128; 2819; 3120; 3558; 3642; 3705; 3774; 4047; 4628
BspHI	T!CATGA	2	2179; 3951
BspLI	GGN!NCC	18	467; 647; 655; 662; 1251; 1908; 1929; 1941; 2132; 2293; 2365; 2754; 2789; 3637; 3716; 3761; 4604; 4643
BspMI	ACCTGCNNNN!	2	3021; 3471
BspMI	!NNNNNNNGCAGGT	1	2640
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	8	668; 2621; 2932; 3178; 3570; 3929; 4027; 4113
BspPI	!NNNNNGATCC	7	580; 655; 1254; 2997; 3541; 3928; 4025
BspQI	GCTCTCN!	0	
BspQI	!NNNNGAAGAGC	2	3097; 3307
BspTI	C!TTAAG	1	1635
BspT104I	TT!CGAA	2	627; 3435
BspT107I	G!GYRCC	5	465; 645; 1906; 2752; 2787
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	1	3742
BsrI	ACTGGN!	3	2697; 2898; 4144
BsrI	C!CAGT	7	295; 882; 972; 1782; 2460; 4256; 4269
BsrBI	CCG!CTC	2	2177; 3366
BsrBI	GAG!CGG	3	683; 2013; 3420
BsrDI	GCAATGNN!	1	2986
BsrDI	!CATTGC	0	
BsrFI	R!CCGGY	7	666; 703; 826; 1970; 3072; 3253; 3536
BsrGI	T!GTACA	2	1127; 1385

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrSI	ACTGGN!	3	2697; 2898; 4144
BsrSI	C!CAGT	7	295; 882; 972; 1782; 2460; 4256; 4269
BssAI	R!CCGGY	7	666; 703; 826; 1970; 3072; 3253; 3536
BssECI	C!CNNGG	26	360; 649; 656; 844; 854; 944; 1002; 1031; 1086; 1238; 1239; 1368; 2287; 2359; 2482; 2517; 2526; 2575; 2916; 3185; 3590; 3717; 3718; 3820; 3821; 4511
BssHII	G!CGCGC	0	
BssKI	!CCNGG	26	88; 281; 655; 656; 844; 854; 956; 977; 1031; 1085; 1157; 1238; 1337; 2287; 2342; 2359; 2755; 2915; 3138; 3528; 3717; 3820; 4292; 4510; 4523; 4644
BssMI	!GATC	24	585; 609; 660; 722; 806; 1259; 1295; 1410; 2590; 2594; 2613; 2924; 3002; 3083; 3092; 3170; 3546; 3562; 3921; 3933; 4011; 4019; 4030; 4105
BssNI	GR!CGYC	8	122; 175; 258; 444; 785; 2753; 3455; 3534
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	2	3471; 4498
BssSI	C!TCGTG	1	3345
BssTII	C!CWWGG	5	360; 2482; 2575; 3185; 3590
Bst6I	CTCTCN!	0	
Bst6I	!NNNNGAAGAG	3	2220; 3097; 3307
Bst98I	C!TTAAG	1	1635
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	8	122; 175; 258; 444; 785; 2753; 3455; 3534
BstAFI	C!TTAAG	1	1635
BstAPI	GCANNNN!NTGC	4	884; 2320; 2392; 3854
BstAUI	T!GTACA	2	1127; 1385
BstBI	TT!CGAA	2	627; 3435
Bst2BI	C!ACGAG	2	3471; 4498
Bst2BI	C!TCGTG	1	3345
BstBAI	YAC!GTR	3	340; 1869; 3057
Bst4CI	ACN!GT	14	76; 198; 269; 543; 581; 645; 1844; 3133; 3249; 3357; 3680; 4171; 4641; 4712
BstC8I	GCN!NGC	37	86; 279; 593; 653; 705; 763; 799; 832; 894; 1204; 1211; 1320; 1356; 1972; 2015; 2029; 2302; 2321; 2374; 2393; 2647; 2833; 3052; 3118; 3124; 3156; 3197; 3201; 3255; 3538; 3725; 3772; 3828; 3850; 4061; 4621; 4658
BstDEI	C!TNAG	9	606; 1279; 1286; 2233; 2535; 3416; 3865; 3988; 4397
BstDSI	C!CRYGG	6	360; 649; 1002; 1368; 2482; 3185
BstEII	G!GTNACC	1	858
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	4	2613; 3070; 3095; 3549
BstF5I	!CATCC	6	878; 953; 968; 1082; 1130; 2439
BstFNI	CG!CG	19	60; 651; 767; 1004; 1322; 1402; 1677; 2053; 2073; 2097; 2128; 2819; 3120; 3558; 3642; 3705; 3774; 4047; 4628
BstH2I	RGCGC!Y	7	598; 938; 1355; 2020; 2028; 2756; 4431
BstHHI	GCG!C	25	597; 767; 937; 965; 1354; 2019; 2027; 2053; 2075; 2084; 2097; 2128; 2747; 2755; 2819; 2856; 3122; 3382; 3558; 3644; 4047; 4156; 4330; 4430; 4497
BstKTI	GAT!C	24	588; 612; 663; 725; 809; 1262; 1298; 1413; 2593; 2597; 2616; 2927; 3005; 3086; 3095; 3173; 3549; 3565; 3924; 3936; 4014; 4022; 4033; 4108
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNGAGAC	4	2177; 2595; 3614; 3742
BstMBI	!GATC	24	585; 609; 660; 722; 806; 1259; 1295; 1410; 2590; 2594; 2613; 2924; 3002; 3083; 3092; 3170; 3546; 3562; 3921; 3933; 4011; 4019; 4030; 4105
BstMCI	CGRY!CG	4	671; 1400; 2662; 4337
BstMWI	GCNNNNN!NNGC	33	90; 212; 244; 283; 376; 400; 726; 767; 827; 840; 884; 1115; 1307; 1358; 1980; 2010; 2037; 2079; 2320; 2392; 2443; 2522; 2744; 2828; 2851; 2990; 3113; 3196; 3463; 3650; 3854; 4053; 4625
BstNI	CC!WGG	20	90; 283; 846; 856; 958; 979; 1033; 1087; 1159; 1240; 1339; 2289; 2344; 2361; 3140; 3719; 3822; 4512; 4525; 4646
BstNSI	RCATG!Y	4	2323; 2395; 3158; 4675
BstOI	CC!WGG	20	90; 283; 846; 856; 958; 979; 1033; 1087; 1159; 1240; 1339; 2289; 2344; 2361; 3140; 3719; 3822; 4512; 4525; 4646
BstPI	G!GTNACC	1	858

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstPAI	GACNN!NNGTC	0	
BstSCI	!CCNGG	26	88; 281; 655; 656; 844; 854; 956; 977; 1031; 1085; 1157; 1238; 1337; 2287; 2342; 2359; 2755; 2915; 3138; 3528; 3717; 3820; 4292; 4510; 4523; 4644
BstSFI	C!TRYAG	4	634; 2088; 4215; 4406
BstSLI	GKGCMI!C	8	657; 716; 746; 845; 1238; 2699; 2792; 4361
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	19	60; 651; 767; 1004; 1322; 1402; 1677; 2053; 2073; 2097; 2128; 2819; 3120; 3558; 3642; 3705; 3774; 4047; 4628
Bst2UI	CC!WGG	20	90; 283; 846; 856; 958; 979; 1033; 1087; 1159; 1240; 1339; 2289; 2344; 2361; 3140; 3719; 3822; 4512; 4525; 4646
BstV1I	GCAGCNNNNNNNN!	7	1218; 1541; 2826; 2868; 3389; 3842; 4342
BstV1I	!NNNNNNNNNNNNGCTGC	8	821; 1345; 2035; 2700; 2884; 2977; 4043; 4249
BstV2I	GAAGACNN!	0	
BstV2I	!NNNNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	10	585; 609; 660; 2924; 3170; 3562; 3921; 3933; 4019; 4030
BstYI	R!GATCY	10	585; 609; 660; 2924; 3170; 3562; 3921; 3933; 4019; 4030
BstZI	C!GGCCG	2	1397; 2659
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	2182; 2972; 4473
BsuI	!NNNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	2593
Bsu36I	CC!TNAGG	2	2233; 3865
BsuRI	GG!CC	29	84; 277; 655; 749; 849; 1091; 1147; 1157; 1213; 1250; 1318; 1399; 1719; 1861; 2516; 2522; 2531; 2574; 2661; 2835; 3226; 3253; 3762; 3819; 3852; 4197; 4631; 4649; 4660
BsuTUI	AT!CGAT	1	2593
BtgI	C!CRYGG	6	360; 649; 1002; 1368; 2482; 3185
BtgZI	GCGATGNNNNNNNNNN!	2	1870; 3205
BtgZI	!NNNNNNNNNNNNNNCATCGC	3	334; 3024; 3368
BthCI	GCNG!C	37	770; 837; 1007; 1199; 1202; 1209; 1361; 1399; 1402; 1532; 2051; 2073; 2087; 2525; 2664; 2716; 2727; 2817; 2822; 2859; 2900; 2987; 2990; 2993; 3229; 3325; 3366; 3380; 3494; 3833; 3848; 4059; 4265; 4268; 4333; 4476; 4631
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	1	741
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	1	1592
BtsCI	GGATGNN!	4	2613; 3070; 3095; 3549
BtsCI	!CATCC	6	878; 953; 968; 1082; 1130; 2439
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	2	3021; 3471
BveI	!NNNNNNNNGCAGGT	1	2640
Cac8I	GCN!NGC	37	86; 279; 593; 653; 705; 763; 799; 832; 894; 1204; 1211; 1320; 1356; 1972; 2015; 2029; 2302; 2321; 2374; 2393; 2647; 2833; 3052; 3118; 3124; 3156; 3197; 3201; 3255; 3538; 3725; 3772; 3828; 3850; 4061; 4621; 4658
CaiI	CAGNNN!CTG	3	1355; 3854; 4262
CciI	T!CATGA	2	2179; 3951
CciNI	GC!GGCCGC	1	1397
CdiI	CATC!G	8	352; 711; 1047; 1191; 3042; 3047; 3245; 3386
CdiI	C!GATG	2	1856; 3191
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	1	4625
CdpI	!NNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 2414; 2456
CelII	GC!TNAGC	0	
CfoI	GCG!C	25	597; 767; 937; 965; 1354; 2019; 2027; 2053; 2075; 2084; 2097; 2128; 2747; 2755; 2819; 2856; 3122; 3382; 3558; 3644; 4047; 4156; 4330; 4430; 4497
CfrI	Y!GGCCR	7	747; 1211; 1397; 2659; 2833; 3224; 3251
Cfr9I	C!CCGGG	1	656
Cfr10I	R!CCGGY	7	666; 703; 826; 1970; 3072; 3253; 3536
Cfr13I	G!GNCC	14	83; 276; 654; 848; 1089; 1249; 1305; 1317; 1860; 3269; 3714; 3760; 3818; 3851
Cfr42I	CCGC!GG	2	652; 1005

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
ChaI	GATC!	24	589; 613; 664; 726; 810; 1263; 1299; 1414; 2594; 2598; 2617; 2928; 3006; 3087; 3096; 3174; 3550; 3566; 3925; 3937; 4015; 4023; 4034; 4109
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	5	1144; 2570; 4010; 4110; 4188
CjeI	!NNNNNNNNNACNNNNNTGG	7	64; 257; 2237; 2332; 3524; 4074; 4629
CjeI	ACNNNNNTTGGNNNNNNNNNNNN!	7	98; 291; 2271; 2366; 3558; 4108; 4663
CjeI	!NNNNNNNNCCANNNNNNGT	5	1110; 2536; 3976; 4076; 4154
CjePI	CCANNNNNNTCNNNNNNNNNNNN!	2	4010; 4188
CjePI	!NNNNNNNGANNNNNTGG	3	257; 3524; 4123
CjePI	GANNNNNTTGGNNNNNNNNNNNN!	3	290; 3557; 4156
CjePI	!NNNNNNCCANNNNNNTC	2	3977; 4155
Clal	AT!CGAT	1	2593
CpoI	CG!GWCCG	1	3269
CseI	GACGCNNNN!	4	526; 793; 3463; 3542
CseI	!NNNNNNNNNGCGTC	3	2086; 3981; 4559
CsiI	A!CCWGGT	1	2342
CspI	CG!GWCCG	1	3269
Csp6I	G!TAC	12	218; 243; 298; 331; 382; 539; 646; 993; 1104; 1128; 1386; 3058
Csp45I	TT!CGAA	2	627; 3435
CspAI	A!CCGGT	1	666
CspCI	CAANNNNGTGGNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNCAANNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNN!	3	1094; 2033; 3642
CstMI	!NNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	20	301; 361; 678; 909; 939; 1329; 1374; 2180; 2320; 2392; 2483; 2624; 2969; 3155; 3186; 3212; 3568; 3952; 4672; 4723
CviJI	RG!CY	95	42; 84; 93; 277; 566; 618; 624; 655; 696; 729; 749; 801; 834; 849; 950; 1050; 1091; 1098; 1109; 1118; 1147; 1157; 1165; 1209; 1213; 1250; 1318; 1383; 1399; 1422; 1532; 1699; 1719; 1861; 1942; 1956; 1970; 2251; 2292; 2364; 2487; 2516; 2522; 2531; 2539; 2562; 2574; 2580; 2661; 2678; 2686; 2713; 2738; 2822; 2831; 2835; 2859; 2897; 2973; 2990; 3009; 3072; 3116; 3126; 3143; 3226; 3253; 3257; 3294; 3317; 3333; 3513; 3540; 3601; 3723; 3762; 3819; 3826; 3833; 3852; 3863; 4114; 4143; 4186; 4197; 4262; 4341; 4366; 4371; 4417; 4507; 4605; 4631; 4649; 4660
CviKI-1	RG!CY	95	42; 84; 93; 277; 566; 618; 624; 655; 696; 729; 749; 801; 834; 849; 950; 1050; 1091; 1098; 1109; 1118; 1147; 1157; 1165; 1209; 1213; 1250; 1318; 1383; 1399; 1422; 1532; 1699; 1719; 1861; 1942; 1956; 1970; 2251; 2292; 2364; 2487; 2516; 2522; 2531; 2539; 2562; 2574; 2580; 2661; 2678; 2686; 2713; 2738; 2822; 2831; 2835; 2859; 2897; 2973; 2990; 3009; 3072; 3116; 3126; 3143; 3226; 3253; 3257; 3294; 3317; 3333; 3513; 3540; 3601; 3723; 3762; 3819; 3826; 3833; 3852; 3863; 4114; 4143; 4186; 4197; 4262; 4341; 4366; 4371; 4417; 4507; 4605; 4631; 4649; 4660
CviQI	G!TAC	12	218; 243; 298; 331; 382; 539; 646; 993; 1104; 1128; 1386; 3058
DdeI	C!TNAG	9	606; 1279; 1286; 2233; 2535; 3416; 3865; 3988; 4397
DinI	GGC!GCC	1	2754
DpnI	GA!TC	24	587; 611; 662; 724; 808; 1261; 1297; 1412; 2592; 2596; 2615; 2926; 3004; 3085; 3094; 3172; 3548; 3564; 3923; 3935; 4013; 4021; 4032; 4107
DpnII	!GATC	24	585; 609; 660; 722; 806; 1259; 1295; 1410; 2590; 2594; 2613; 2924; 3002; 3083; 3092; 3170; 3546; 3562; 3921; 3933; 4011; 4019; 4030; 4105
DraI	TTT!AAA	3	1455; 3897; 3916
DraII	RG!GNCCY	1	3851
DraIII	CACNN!GTG	3	1125; 1332; 1869
DraRI	CAAGNACNNNNNNNNNNNNNNNN!	5	266; 1016; 1085; 1328; 4233
DraRI	!NNNNNNNNNNNNNNNNNGTNCCTG	0	
DrdI	GACNNN!NNGTC	3	1824; 2780; 4569
DrdIV	TACGACNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DseDI	GACNNNN!NNGTC	3	1824; 2780; 4569
EaeI	Y!GGCCR	7	747; 1211; 1397; 2659; 2833; 3224; 3251
EagI	C!GGCCG	2	1397; 2659
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	3	2220; 3097; 3307
Eam1105I	GACNNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	3	2220; 3097; 3307
EciI	GGCGGANNNNNNNNNN!	4	2253; 3282; 4469; 4615
EciI	!NNNNNNNNNTCCGCC	5	496; 1123; 2424; 2445; 2466
Ecl136II	GAG!CTC	1	618
EclXI	C!GGCCG	2	1397; 2659
Eco24I	GRGCY!C	5	620; 657; 1944; 3118; 3828
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNGAGACC	1	3742
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	3	1305; 3269; 3714
Eco47III	AGC!GCT	1	596
Eco52I	C!GGCCG	2	1397; 2659
Eco57I	CTGAAGNNNNNNNNNNNNNN!	3	1072; 2899; 3331
Eco57I	!NNNNNNNNNNNNNNCTTCAG	2	1332; 4129
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	2	2233; 3865
Eco88I	C!YCGRG	4	613; 656; 901; 943
Eco91I	G!GTNACC	1	858
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	5	360; 2482; 2575; 3185; 3590
Eco147I	AGG!CCT	1	2574
EcoHI	!CCSGG	6	655; 656; 2755; 2915; 3528; 4292
EcoICRI	GAG!CTC	1	618
Eco57MI	CTGRAGNNNNNNNNNNNNNN!	8	823; 1072; 1120; 1180; 1360; 2899; 3331; 3593
Eco57MI	!NNNNNNNNNNNNNNCTYCAG	3	1332; 3536; 4129
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	1	858
Eco0109I	RG!GNCCY	1	3851
EcoRI	G!AATTC	1	629
EcoRII	!CCWGG	20	88; 281; 844; 854; 956; 977; 1031; 1085; 1157; 1238; 1337; 2287; 2342; 2359; 3138; 3717; 3820; 4510; 4523; 4644
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	5	360; 2482; 2575; 3185; 3590
EcoT22I	ATGCA!T	3	2325; 2397; 4728
EcoT38I	GRGCY!C	5	620; 657; 1944; 3118; 3828
Eco53kI	GAG!CTC	1	618
EgeI	GGC!GCC	1	2754
EheI	GGC!GCC	1	2754
ErhI	C!CWWGG	5	360; 2482; 2575; 3185; 3590
EsaBC3I	TC!GA	18	615; 628; 641; 726; 1020; 1047; 1191; 1903; 2594; 2867; 3023; 3047; 3083; 3245; 3436; 3481; 3736; 4574
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNGAGACC	0	
FaeI	CATG!	20	304; 364; 681; 912; 942; 1332; 1377; 2183; 2323; 2395; 2486; 2627; 2972; 3158; 3189; 3215; 3571; 3955; 4675; 4726
Fail	YA!TR	56	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 679; 910; 940; 1330; 1375; 1415; 1425; 1491; 1536; 1741; 2169; 2181; 2312; 2321; 2384; 2393; 2417; 2484; 2508; 2625; 2689; 2970; 2995; 3156; 3187; 3213; 3285; 3501; 3569; 3647; 3699; 3860; 3877; 3879; 3881; 3953; 4231; 4420; 4536; 4609; 4673; 4724
FalI	AAGNNNNNCTNNNNNNNNNNNN!	1	3093
FalI	!NNNNNNNNAAGNNNNNCTT	1	3061
FaqI	GGGACNNNNNNNNNN!	6	175; 326; 494; 2904; 3436; 3545
FaqI	!NNNNNNNNNNNNNGTCCC	4	2269; 2341; 2405; 3700
FatI	!CATG	20	300; 360; 677; 908; 938; 1328; 1373; 2179; 2319; 2391; 2482; 2623; 2968; 3154; 3185; 3211; 3567; 3951; 4671; 4722
FauI	CCCGCNNNN!	12	93; 119; 286; 901; 1009; 1186; 1327; 2075; 2430; 2451; 3647; 3779

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FauI	!NNNNNNGCGGG	7	644; 676; 2006; 2876; 3413; 3551; 3698
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	0	
FblI	GT!MKAC	1	640
FmuI	GGNC!C	14	86; 279; 657; 851; 1092; 1252; 1308; 1320; 1863; 3272; 3717; 3763; 3821; 3854
Fnu4HI	GC!NGC	37	768; 835; 1005; 1197; 1200; 1207; 1359; 1397; 1400; 1530; 2049; 2071; 2085; 2523; 2662; 2714; 2725; 2815; 2820; 2857; 2898; 2985; 2988; 2991; 3227; 3323; 3364; 3378; 3492; 3831; 3846; 4057; 4263; 4266; 4331; 4474; 4629
FokI	GGATGNNNNNNNNN!	4	2620; 3077; 3102; 3556
FokI	!NNNNNNNNNNNNNCATCC	5	865; 940; 1069; 1117; 2426
FriOI	GRGCY!C	5	620; 657; 1944; 3118; 3828
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	2855
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	8	592; 1408; 1602; 2020; 2576; 3591; 3925; 4178
FspEI	CCNNNNNNNNNNN!	157	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 662; 677; 717; 763; 801; 837; 851; 867; 895; 913; 951; 970; 985; 1014; 1044; 1099; 1132; 1147; 1161; 1191; 1227; 1242; 1264; 1278; 1305; 1321; 1339; 1359; 1375; 1413; 1436; 1475; 1489; 1630; 1725; 1749; 1772; 1795; 1813; 1835; 1856; 1875; 1894; 1923; 1944; 1958; 1984; 2072; 2098; 2147; 2188; 2206; 2245; 2261; 2299; 2356; 2371; 2428; 2448; 2462; 2479; 2493; 2530; 2545; 2588; 2671; 2738; 2769; 2789; 2804; 2849; 2863; 2929; 2943; 2962; 2978; 3019; 3039; 3086; 3136; 3152; 3172; 3197; 3217; 3240; 3267; 3285; 3311; 3351; 3377; 3401; 3457; 3471; 3499; 3542; 3563; 3598; 3642; 3730; 3754; 3776; 3796; 3812; 3833; 3847; 3866; 3950; 3970; 3998; 4013; 4047; 4089; 4116; 4131; 4176; 4200; 4214; 4236; 4262; 4282; 4306; 4332; 4380; 4399; 4418; 4444; 4479; 4524; 4554; 4568; 4619; 4633; 4658; 4674; 4695; 4724
FspEI	!NNNNNNNNNNNNNNNGG	130	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 586; 628; 652; 670; 689; 715; 752; 779; 812; 831; 860; 931; 964; 989; 1007; 1039; 1057; 1084; 1129; 1147; 1177; 1195; 1225; 1288; 1315; 1355; 1374; 1424; 1524; 1593; 1623; 1701; 1750; 1772; 1800; 1836; 1881; 1910; 1946; 1965; 1993; 2013; 2076; 2099; 2207; 2239; 2257; 2286; 2329; 2358; 2469; 2498; 2541; 2562; 2590; 2623; 2643; 2668; 2695; 2720; 2742; 2770; 2796; 2817; 2868; 2889; 2907; 2955; 2991; 3047; 3072; 3096; 3125; 3148; 3172; 3198; 3220; 3239; 3264; 3304; 3340; 3405; 3490; 3514; 3543; 3577; 3598; 3618; 3663; 3690; 3709; 3742; 3794; 3825; 3852; 3904; 4002; 4073; 4118; 4179; 4244; 4278; 4304; 4322; 4358; 4428; 4451; 4473; 4497; 4530; 4578; 4613; 4631; 4688
Fsp4HI	GC!NGC	37	768; 835; 1005; 1197; 1200; 1207; 1359; 1397; 1400; 1530; 2049; 2071; 2085; 2523; 2662; 2714; 2725; 2815; 2820; 2857; 2898; 2985; 2988; 2991; 3227; 3323; 3364; 3378; 3492; 3831; 3846; 4057; 4263; 4266; 4331; 4474; 4629
GdiII	C!GGCCR	3	747; 1397; 2659
GdiII	Y!GGCCG	5	1211; 1397; 2659; 3224; 3251
GlaI	GC!GC	25	596; 766; 936; 964; 1353; 2018; 2026; 2052; 2074; 2083; 2096; 2127; 2746; 2754; 2818; 2855; 3121; 3381; 3557; 3643; 4046; 4155; 4329; 4429; 4496
GluI	GC!NGC	37	768; 835; 1005; 1197; 1200; 1207; 1359; 1397; 1400; 1530; 2049; 2071; 2085; 2523; 2662; 2714; 2725; 2815; 2820; 2857; 2898; 2985; 2988; 2991; 3227; 3323; 3364; 3378; 3492; 3831; 3846; 4057; 4263; 4266; 4331; 4474; 4629
GsaI	CCCAG!C	3	2300; 2372; 4371
GsaI	GCTGG!G	1	3261
GsuI	CTGGAGNNNNNNNNNNNNNNN!	5	823; 1120; 1180; 1360; 3593
GsuI	!NNNNNNNNNNNNNNCTCCAG	1	3536
HaeI	WGG!CCW	6	1147; 2574; 2835; 4197; 4649; 4660
HaeII	RGCG!Y	7	598; 938; 1355; 2020; 2028; 2756; 4431
HaeIII	GG!CC	29	84; 277; 655; 749; 849; 1091; 1147; 1157; 1213; 1250; 1318; 1399; 1719; 1861; 2516; 2522; 2531; 2574; 2661; 2835; 3226; 3253; 3762; 3819; 3852; 4197; 4631; 4649; 4660
HaeIV	GAYNNNNNNRTCNNNNNNNNNNNNN!	2	1428; 2949
HaeIV	!NNNNNNNNNGAYNNNNNNRTC	2	1394; 2915

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	2	1427; 2948
HaeIV	!NNNNNNNGAYNNNNNRTC	2	1396; 2917
HapII	C!CGG	21	601; 657; 667; 704; 827; 1971; 2658; 2735; 2757; 2785; 2916; 3006; 3073; 3254; 3529; 3537; 3629; 4103; 4293; 4319; 4466
HgaI	GACGCNNNNN!	4	526; 793; 3463; 3542
HgaI	!NNNNNNNNNNGCGTC	3	2086; 3981; 4559
HhaI	GCG!C	25	597; 767; 937; 965; 1354; 2019; 2027; 2053; 2075; 2084; 2097; 2128; 2747; 2755; 2819; 2856; 3122; 3382; 3558; 3644; 4047; 4156; 4330; 4430; 4497
Hin1I	GR!CGYC	8	122; 175; 258; 444; 785; 2753; 3455; 3534
Hin1III	CATG!	20	304; 364; 681; 912; 942; 1332; 1377; 2183; 2323; 2395; 2486; 2627; 2972; 3158; 3189; 3215; 3571; 3955; 4675; 4726
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	2	1427; 2948
Hin4I	!NNNNNNNGABNNNNNRTC	3	1395; 2916; 2946
Hin4I	GABNNNNNRTCNNNNNNNNNNN!	3	1427; 2948; 2978
Hin4I	!NNNNNNNGAYNNNNNVTC	2	1395; 2916
Hin6I	G!CGC	25	595; 765; 935; 963; 1352; 2017; 2025; 2051; 2073; 2082; 2095; 2126; 2745; 2753; 2817; 2854; 3120; 3380; 3556; 3642; 4045; 4154; 4328; 4428; 4495
HinP1I	G!CGC	25	595; 765; 935; 963; 1352; 2017; 2025; 2051; 2073; 2082; 2095; 2126; 2745; 2753; 2817; 2854; 3120; 3380; 3556; 3642; 4045; 4154; 4328; 4428; 4495
HincII	GTY!RAC	2	641; 1516
HindII	GTY!RAC	2	641; 1516
HindIII	A!AGCTT	1	622
HinfI	G!ANTC	14	410; 604; 1342; 1404; 1796; 1818; 2228; 3238; 3372; 3424; 3482; 3519; 4301; 4697
HpaI	GTT!AAC	1	1516
HpaII	C!CGG	21	601; 657; 667; 704; 827; 1971; 2658; 2735; 2757; 2785; 2916; 3006; 3073; 3254; 3529; 3537; 3629; 4103; 4293; 4319; 4466
HphI	GGTGANNNNNNNN!	6	376; 870; 1023; 1047; 3824; 3940
HphI	!NNNNNNNTCACC	2	1870; 2931
Hpy8I	GTN!NAC	12	201; 539; 577; 641; 744; 1038; 1128; 1516; 1800; 1817; 1872; 4359
Hpy99I	CGWCG!	12	645; 742; 787; 988; 1249; 2843; 2871; 3165; 3180; 3457; 3842; 4575
Hpy166II	GTN!NAC	12	201; 539; 577; 641; 744; 1038; 1128; 1516; 1800; 1817; 1872; 4359
Hpy188I	TCN!GA	13	585; 609; 1289; 1927; 2536; 2720; 3064; 3417; 3518; 3997; 4131; 4484; 4562
Hpy188III	TC!NNGA	23	613; 930; 1173; 1408; 2180; 2232; 2545; 2598; 2771; 3087; 3096; 3179; 3235; 3279; 3369; 3402; 3471; 3952; 4026; 4109; 4207; 4305; 4439
HpyAV	CCTTCNNNNNN!	4	1356; 3398; 3505; 4184
HpyAV	!NNNNNGAAGG	8	1047; 1986; 2881; 3610; 3626; 3809; 4126; 4436
HpyCH4III	ACN!GT	14	76; 198; 269; 543; 581; 645; 1844; 3133; 3249; 3357; 3680; 4171; 4641; 4712
HpyCH4IV	A!CGT	17	122; 134; 175; 258; 339; 444; 740; 1124; 1232; 1813; 1825; 1868; 1978; 2869; 3056; 3837; 3970
HpyCH4V	TG!CA	20	636; 744; 821; 1206; 1502; 1529; 1597; 2314; 2323; 2386; 2395; 2510; 2586; 2645; 2804; 2979; 2993; 4063; 4359; 4726
HpyF3I	C!TNAG	9	606; 1279; 1286; 2233; 2535; 3416; 3865; 3988; 4397
HpyF10VI	GCNNNNN!NNGC	33	90; 212; 244; 283; 376; 400; 726; 767; 827; 840; 884; 1115; 1307; 1358; 1980; 2010; 2037; 2079; 2320; 2392; 2443; 2522; 2744; 2828; 2851; 2990; 3113; 3196; 3463; 3650; 3854; 4053; 4625
Hsp92I	GR!CGYC	8	122; 175; 258; 444; 785; 2753; 3455; 3534
Hsp92II	CATG!	20	304; 364; 681; 912; 942; 1332; 1377; 2183; 2323; 2395; 2486; 2627; 2972; 3158; 3189; 3215; 3571; 3955; 4675; 4726
HspAI	G!CGC	25	595; 765; 935; 963; 1352; 2017; 2025; 2051; 2073; 2082; 2095; 2126; 2745; 2753; 2817; 2854; 3120; 3380; 3556; 3642; 4045; 4154; 4328; 4428; 4495
KasI	G!GCGCC	1	2752
KfII	GG!GWCCC	0	
KpnI	GGTAC!C	1	649
Kpn2I	T!CCGGA	0	
KspI	CCGC!GG	2	652; 1005
Ksp22I	T!GATCA	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
KspAI	GTT!AAC	1	1516
Kzo9I	!GATC	24	585; 609; 660; 722; 806; 1259; 1295; 1410; 2590; 2594; 2613; 2924; 3002; 3083; 3092; 3170; 3546; 3562; 3921; 3933; 4011; 4019; 4030; 4105
LguI	GCTCTTCN!	0	
LguI	!NNNNGAAGAGC	2	3097; 3307
LpnI	RGCI!GCY	7	596; 936; 1353; 2018; 2026; 2754; 4429
LpnPI	CCDGNNNNNNNNNNN!	62	102; 295; 614; 670; 717; 840; 858; 895; 970; 985; 1045; 1099; 1171; 1237; 1252; 1291; 1351; 1368; 1490; 1795; 1984; 2207; 2245; 2261; 2301; 2356; 2373; 2473; 2558; 2671; 2748; 2770; 2793; 2929; 2943; 2962; 3019; 3086; 3136; 3152; 3209; 3267; 3476; 3542; 3566; 3642; 3731; 3834; 3867; 4098; 4116; 4262; 4282; 4306; 4332; 4381; 4479; 4524; 4554; 4633; 4658; 4695
LpnPI	!NNNNNNNNNNNNNNCHGG	60	75; 268; 552; 586; 642; 689; 715; 787; 812; 831; 943; 964; 1018; 1072; 1144; 1195; 1225; 1324; 1374; 1836; 1956; 2013; 2076; 2274; 2286; 2346; 2358; 2590; 2635; 2678; 2720; 2742; 2770; 2817; 2879; 2901; 2991; 3058; 3081; 3125; 3220; 3239; 3264; 3413; 3514; 3557; 3614; 3704; 3807; 3834; 3852; 4088; 4125; 4278; 4304; 4444; 4462; 4497; 4578; 4631
Lsp1109I	GCAGCNNNNNNNN!	7	1218; 1541; 2826; 2868; 3389; 3842; 4342
Lsp1109I	!NNNNNNNNNNNGCTGC	8	821; 1345; 2035; 2700; 2884; 2977; 4043; 4249
LweI	GCATCNNNNNN!	9	716; 887; 1052; 1569; 2332; 2404; 3052; 3116; 3391
LweI	!NNNNNNNNNGATGC	5	357; 2711; 2966; 3182; 4574
MabI	A!CCWGGT	1	2342
MaeI	C!TAG	8	592; 1408; 1602; 2020; 2576; 3591; 3925; 4178
MaeII	A!CGT	17	122; 134; 175; 258; 339; 444; 740; 1124; 1232; 1813; 1825; 1868; 1978; 2869; 3056; 3837; 3970
MaeIII	!GTNAC	13	61; 148; 497; 858; 1541; 2042; 2054; 2873; 3179; 3869; 4135; 4251; 4314
MaiI	GA!TC	24	587; 611; 662; 724; 808; 1261; 1297; 1412; 2592; 2596; 2615; 2926; 3004; 3085; 3094; 3172; 3548; 3564; 3923; 3935; 4013; 4021; 4032; 4107
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	3	157; 240; 426
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2177; 3366
MbiI	GAG!CGG	3	683; 2013; 3420
MboI	!GATC	24	585; 609; 660; 722; 806; 1259; 1295; 1410; 2590; 2594; 2613; 2924; 3002; 3083; 3092; 3170; 3546; 3562; 3921; 3933; 4011; 4019; 4030; 4105
MboII	GAAGANNNNNNNN!	6	924; 2009; 2237; 3114; 3324; 3943
MboII	!NNNNNNNTCTTC	5	918; 3404; 3571; 3771; 4014
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	1503
MfII	R!GATCY	10	585; 609; 660; 2924; 3170; 3562; 3921; 3933; 4019; 4030
MhII	GDGCH!C	17	620; 657; 716; 746; 845; 908; 1238; 1285; 1337; 1944; 2699; 2792; 2866; 3056; 3118; 3828; 4361
MisI	TGG!CCA	1	2835
MluI	A!CGCGT	0	
MluNI	TGG!CCA	1	2835
MlyI	GAGTCNNNNNN!	3	1351; 1805; 2237
MlyI	!NNNNNGACTC	6	404; 598; 1398; 1812; 3418; 4295
Mly113I	GG!CGCC	1	2753
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNNNN!	1	1846
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	2	4278; 4462
MnII	CCTCNNNNNNNN!	8	877; 1472; 2536; 3354; 3560; 3874; 4244; 4568
MnII	!NNNNNGAGG	22	541; 684; 765; 939; 1002; 1014; 1065; 1155; 1185; 1308; 1432; 1897; 2228; 2506; 2549; 2564; 2604; 2668; 2804; 3161; 3591; 4494
Mph1103I	ATGCA!T	3	2325; 2397; 4728
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	0	
MroNI	G!CCGGC	4	703; 1970; 3253; 3536
MroXI	GAANN!NNTTC	1	922
MscI	TGG!CCA	1	2835
MseI	T!TAA	15	7; 1454; 1515; 1636; 1657; 1668; 1680; 1691; 1708; 1806; 2077; 3896; 3910; 3915; 3967

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MslI	CAYNN!NNRTG	5	365; 856; 913; 1033; 3190
MspI	C!CGG	21	601; 657; 667; 704; 827; 1971; 2658; 2735; 2757; 2785; 2916; 3006; 3073; 3254; 3529; 3537; 3629; 4103; 4293; 4319; 4466
Msp20I	TGG!CCA	1	2835
MspA1I	CMG!CKG	7	651; 1004; 1209; 2251; 2859; 4088; 4333
MspCI	C!TTAAG	1	1635
MspJI	CNNRNNNNNNNN!	241	36; 50; 71; 97; 113; 127; 147; 167; 219; 236; 251; 290; 306; 319; 332; 352; 373; 407; 424; 449; 481; 500; 523; 548; 574; 596; 613; 627; 640; 662; 679; 696; 716; 729; 742; 757; 774; 789; 810; 839; 852; 867; 894; 913; 942; 955; 969; 984; 1002; 1015; 1032; 1045; 1059; 1080; 1098; 1111; 1132; 1150; 1170; 1185; 1203; 1222; 1236; 1251; 1264; 1290; 1304; 1321; 1339; 1367; 1381; 1401; 1420; 1436; 1460; 1477; 1490; 1531; 1545; 1558; 1576; 1614; 1629; 1647; 1688; 1712; 1732; 1750; 1771; 1794; 1826; 1841; 1863; 1881; 1894; 1915; 1932; 1945; 1958; 1974; 1987; 2017; 2032; 2057; 2075; 2088; 2103; 2127; 2141; 2165; 2190; 2206; 2244; 2260; 2299; 2313; 2327; 2355; 2371; 2385; 2399; 2428; 2441; 2462; 2471; 2493; 2523; 2539; 2557; 2587; 2610; 2634; 2658; 2677; 2705; 2731; 2747; 2760; 2783; 2797; 2817; 2830; 2844; 2863; 2877; 2890; 2906; 2921; 2934; 2950; 2965; 2981; 3006; 3025; 3041; 3054; 3067; 3085; 3099; 3113; 3129; 3151; 3167; 3186; 3208; 3224; 3247; 3266; 3280; 3296; 3310; 3330; 3346; 3359; 3381; 3414; 3428; 3448; 3461; 3475; 3529; 3542; 3565; 3578; 3597; 3614; 3641; 3677; 3710; 3729; 3754; 3775; 3802; 3815; 3832; 3846; 3861; 3877; 3937; 3962; 3978; 4000; 4013; 4027; 4058; 4072; 4097; 4115; 4130; 4143; 4162; 4175; 4190; 4219; 4238; 4256; 4281; 4296; 4315; 4331; 4350; 4368; 4384; 4398; 4417; 4444; 4467; 4489; 4508; 4523; 4536; 4553; 4573; 4600; 4613; 4632; 4657; 4680; 4694; 4707; 4724
MspJI	!NNNNNNNNNNNNYNGG	202	8; 35; 59; 76; 97; 123; 145; 168; 197; 221; 269; 281; 310; 330; 347; 377; 400; 437; 465; 492; 511; 531; 553; 574; 593; 612; 636; 653; 670; 690; 712; 731; 748; 779; 796; 813; 831; 855; 875; 895; 916; 943; 964; 982; 1004; 1033; 1054; 1072; 1111; 1129; 1159; 1177; 1196; 1219; 1238; 1264; 1284; 1305; 1324; 1341; 1360; 1379; 1405; 1434; 1463; 1505; 1588; 1623; 1650; 1673; 1702; 1746; 1768; 1800; 1836; 1853; 1874; 1911; 1931; 1948; 1965; 2000; 2018; 2036; 2053; 2077; 2099; 2126; 2154; 2180; 2218; 2239; 2256; 2274; 2297; 2318; 2346; 2369; 2390; 2408; 2429; 2446; 2469; 2493; 2513; 2531; 2553; 2584; 2606; 2632; 2651; 2668; 2696; 2715; 2734; 2752; 2770; 2791; 2813; 2837; 2870; 2890; 2908; 2929; 2955; 2982; 2999; 3016; 3033; 3059; 3081; 3103; 3121; 3141; 3160; 3182; 3220; 3240; 3264; 3284; 3304; 3331; 3355; 3388; 3407; 3435; 3457; 3486; 3514; 3539; 3558; 3577; 3598; 3615; 3632; 3663; 3690; 3710; 3733; 3753; 3790; 3807; 3826; 3852; 3872; 3911; 3938; 3957; 3975; 4012; 4030; 4071; 4089; 4115; 4132; 4164; 4193; 4221; 4242; 4265; 4284; 4305; 4323; 4340; 4358; 4384; 4405; 4425; 4445; 4463; 4484; 4510; 4527; 4546; 4565; 4594; 4613; 4631; 4650; 4668; 4686; 4709
MspR9I	CC!NGG	26	90; 283; 657; 658; 846; 856; 958; 979; 1033; 1087; 1159; 1240; 1339; 2289; 2344; 2361; 2757; 2917; 3140; 3530; 3719; 3822; 4294; 4512; 4525; 4646
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	1503
MvaI	CC!WGG	20	90; 283; 846; 856; 958; 979; 1033; 1087; 1159; 1240; 1339; 2289; 2344; 2361; 3140; 3719; 3822; 4512; 4525; 4646
Mva1269I	GAATGCN!	1	1504
Mva1269I	G!CATTC	1	1597
MvnI	CG!CG	19	60; 651; 767; 1004; 1322; 1402; 1677; 2053; 2073; 2097; 2128; 2819; 3120; 3558; 3642; 3705; 3774; 4047; 4628
MvrI	CGAT!CG	0	
MwoI	GCNNNNN!NNGC	33	90; 212; 244; 283; 376; 400; 726; 767; 827; 840; 884; 1115; 1307; 1358; 1980; 2010; 2037; 2079; 2320; 2392; 2443; 2522; 2744; 2828; 2851; 2990; 3113; 3196; 3463; 3650; 3854; 4053; 4625
NaeI	GCC!GGC	4	705; 1972; 3255; 3538
NarI	GG!CGCC	1	2753
NciI	CC!SGG	6	657; 658; 2757; 2917; 3530; 4294
NcoI	C!CATGG	3	360; 2482; 3185
NdeI	CA!TATG	1	234

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NdeII	!GATC	24	585; 609; 660; 722; 806; 1259; 1295; 1410; 2590; 2594; 2613; 2924; 3002; 3083; 3092; 3170; 3546; 3562; 3921; 3933; 4011; 4019; 4030; 4105
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	1	280
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	0	
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	0	
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	1	244
NgoMIV	G!CCGGC	4	703; 1970; 3253; 3536
NheI	G!CTAGC	1	591
NlaIII	CATG!	20	304; 364; 681; 912; 942; 1332; 1377; 2183; 2323; 2395; 2486; 2627; 2972; 3158; 3189; 3215; 3571; 3955; 4675; 4726
NlaIV	GGN!NCC	18	467; 647; 655; 662; 1251; 1908; 1929; 1941; 2132; 2293; 2365; 2754; 2789; 3637; 3716; 3761; 4604; 4643
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	3	1585; 1900; 3492
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	2	347; 4564
Nli3877I	CYCGR!G	4	617; 660; 905; 947
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	2542; 2978
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	1	2507
NmeDI	RCCGGYNNNNNNNN!	7	678; 715; 838; 1982; 3084; 3265; 3548
NmeDI	!NNNNNNNNNNNNRCCGGY	7	653; 690; 813; 1957; 3059; 3240; 3523
NmuCI	!GTSAC	4	858; 2042; 2873; 3179
NotI	GC!GGCCGC	1	1397
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	2855
NsiI	ATGCA!T	3	2325; 2397; 4728
NspI	RCATG!Y	4	2323; 2395; 3158; 4675
NspV	TT!CGAA	2	627; 3435
OliI	CACNN!NNGTG	2	856; 1033
PabI	GTA!C	12	220; 245; 300; 333; 384; 541; 648; 995; 1106; 1130; 1388; 3060
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	2323; 2395; 3158
PaeR7I	C!TCGAG	1	613
PagI	T!CATGA	2	2179; 3951
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	3	1239; 3718; 3821
PauI	G!CGCGC	0	
PceI	AGG!CCT	1	2574
PciI	A!CATGT	1	4671
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	2	3097; 3307
PcsI	WCGNNNN!NNNCGW	9	707; 1319; 1376; 3047; 3124; 3367; 3441; 3834; 4352
PctI	GAATGCN!	1	1504
PctI	G!CATTC	1	1597
PdiI	GCC!GGC	4	705; 1972; 3255; 3538
PdmI	GAANN!NNTTC	1	922
PfeI	G!AWTC	5	3238; 3372; 3482; 3519; 4697
PflI23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	2871
PfIMI	CCANNNN!NTGG	2	1098; 1374
PfoI	T!CCNGGA	4	956; 977; 1337; 3528
PhoI	GG!CC	29	84; 277; 655; 749; 849; 1091; 1147; 1157; 1213; 1250; 1318; 1399; 1719; 1861; 2516; 2522; 2531; 2574; 2661; 2835; 3226; 3253; 3762; 3819; 3852; 4197; 4631; 4649; 4660
PinAI	A!CCGGT	1	666
PlaDI	CATCAGNNNNNNNNNNNNNNNNNN!	1	3134
PlaDI	!NNNNNNNNNNNNNNNNNNCTGATG	2	2699; 2954
PleI	GAGTCNNNN!	3	1350; 1804; 2236
PleI	!NNNNNGACTC	6	404; 598; 1398; 1812; 3418; 4295
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	0	
PpiI	GAACNNNNNCTCNNNNNNNNNNNN!	1	1835
PpiI	!NNNNNNNNNGAGNNNNNGTTC	4	682; 796; 1000; 3965
PpiI	GAGNNNNNGTTCNNNNNNNNNNNN!	4	714; 828; 1032; 3997

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PpiI	!NNNNNNNGAACNNNNNNCTC	1	1803
Ppsi	GAGTCNNNN!	3	1350; 1804; 2236
Ppsi	!NNNNNGACTC	6	404; 598; 1398; 1812; 3418; 4295
Ppu10I	A!TGCAT	3	2321; 2393; 4724
Ppu21I	YAC!GTR	3	340; 1869; 3057
PpuMI	RG!GWCCY	0	
Psci	A!CATGT	1	4671
PshAI	GACNN!NNGTC	0	
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	1536; 1741
Psp03I	GGWC!C	3	1308; 3272; 3717
Psp5II	RG!GWCCY	0	
Psp6I	!CCWGG	20	88; 281; 844; 854; 956; 977; 1031; 1085; 1157; 1238; 1337; 2287; 2342; 2359; 3138; 3717; 3820; 4510; 4523; 4644
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	1	620
PspCI	CAC!GTG	0	
PspEI	G!GTNACC	1	858
PspGI	!CCWGG	20	88; 281; 844; 854; 956; 977; 1031; 1085; 1157; 1238; 1337; 2287; 2342; 2359; 3138; 3717; 3820; 4510; 4523; 4644
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	18	467; 647; 655; 662; 1251; 1908; 1929; 1941; 2132; 2293; 2365; 2754; 2789; 3637; 3716; 3761; 4604; 4643
PspOMI	G!GGCCC	1	653
PspOMII	CGCCARNNNNNNNNNNNNNNNNNNN!	3	125; 2483; 3482
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	2	1221; 2885
PspPI	G!GNCC	14	83; 276; 654; 848; 1089; 1249; 1305; 1317; 1860; 3269; 3714; 3760; 3818; 3851
PspPPI	RG!GWCCY	0	
PspPRI	CCYCAGNNNNNNNNNNNNNNNN!	3	2306; 2378; 3884
PspPRI	!NNNNNNNNNNNNNNNNCTGRGG	2	2219; 3414
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNNNTACNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
Pssi	RGGNC!CY	1	3854
PstI	CTGCA!G	1	638
PstNI	CAGNN!CTG	3	1355; 3854; 4262
PsuI	R!GATCY	10	585; 609; 660; 2924; 3170; 3562; 3921; 3933; 4019; 4030
PsyI	GACN!NNGTC	1	2871
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	3	1209; 2251; 2859
RcaI	T!CATGA	2	2179; 3951
RceI	CATCGACNNNNNNNNNNNNNNNN!	1	3268
RceI	!NNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNN!	1	1482
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	12	219; 244; 299; 332; 383; 540; 647; 994; 1105; 1129; 1387; 3059
RsaNI	G!TAC	12	218; 243; 298; 331; 382; 539; 646; 993; 1104; 1128; 1386; 3058
RseI	CAYNN!NNRTG	5	365; 856; 913; 1033; 3190
RsrII	CG!GWCCG	1	3269
Rsr2I	CG!GWCCG	1	3269
SacI	GAGCT!C	1	620
SacII	CCGC!GG	2	652; 1005

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SaI	G!TCGAC	1	639
SapI	GCTCTTCN!	0	
SapI	!NNNNGAAGAGC	2	3097; 3307
SaqAI	T!TAA	15	7; 1454; 1515; 1636; 1657; 1668; 1680; 1691; 1708; 1806; 2077; 3896; 3910; 3915; 3967
SatI	GC!NGC	37	768; 835; 1005; 1197; 1200; 1207; 1359; 1397; 1400; 1530; 2049; 2071; 2085; 2523; 2662; 2714; 2725; 2815; 2820; 2857; 2898; 2985; 2988; 2991; 3227; 3323; 3364; 3378; 3492; 3831; 3846; 4057; 4263; 4266; 4331; 4474; 4629
Sau96I	G!GNCC	14	83; 276; 654; 848; 1089; 1249; 1305; 1317; 1860; 3269; 3714; 3760; 3818; 3851
Sau3AI	!GATC	24	585; 609; 660; 722; 806; 1259; 1295; 1410; 2590; 2594; 2613; 2924; 3002; 3083; 3092; 3170; 3546; 3562; 3921; 3933; 4011; 4019; 4030; 4105
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	3	1351; 1805; 2237
SchI	!NNNNNGACTC	6	404; 598; 1398; 1812; 3418; 4295
SciI	CTC!GAG	1	615
ScrFI	CC!NGG	26	90; 283; 657; 658; 846; 856; 958; 979; 1033; 1087; 1159; 1240; 1339; 2289; 2344; 2361; 2757; 2917; 3140; 3530; 3719; 3822; 4294; 4512; 4525; 4646
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNNNN!	5	984; 2331; 2403; 2572; 4514
SdeAI	!NNNNNNNNNNNNNNNNNNNNCTYCTG	3	1316; 2908; 3393
SdeOSI	GACNNNNRTGANNNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	1	245
SduI	GDGCH!C	17	620; 657; 716; 746; 845; 908; 1238; 1285; 1337; 1944; 2699; 2792; 2866; 3056; 3118; 3828; 4361
SelI	!CGCG	19	58; 649; 765; 1002; 1320; 1400; 1675; 2051; 2071; 2095; 2126; 2817; 3118; 3556; 3640; 3703; 3772; 4045; 4626
SetI	ASST!	66	125; 137; 178; 261; 308; 342; 447; 552; 568; 620; 626; 698; 731; 743; 803; 836; 1013; 1052; 1100; 1111; 1127; 1211; 1235; 1280; 1385; 1393; 1443; 1464; 1473; 1485; 1534; 1701; 1816; 1828; 1871; 1908; 1958; 1981; 2105; 2253; 2348; 2541; 2654; 2782; 2861; 2872; 2944; 3015; 3059; 3319; 3465; 3509; 3840; 3871; 3930; 3973; 4116; 4137; 4236; 4373; 4388; 4407; 4419; 4463; 4509; 4560
SexAI	A!CCWGGT	1	2342
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	9	716; 887; 1052; 1569; 2332; 2404; 3052; 3116; 3391
SfaNI	!NNNNNNNNNGATGC	5	357; 2711; 2966; 3182; 4574
Sfcl	C!TRYAG	4	634; 2088; 4215; 4406
SfiI	GGCCNNNN!NGGCC	1	2528
SfoI	GGC!GCC	1	2754
Sfr274I	C!TCGAG	1	613
Sfr303I	CCGC!GG	2	652; 1005
SfuI	TT!CGAA	2	627; 3435
SgeI	CNNGNNNNNNNNN!	196	6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 625; 662; 679; 696; 716; 729; 742; 757; 774; 789; 810; 839; 852; 867; 894; 913; 942; 955; 969; 984; 1002; 1015; 1032; 1045; 1059; 1080; 1098; 1111; 1137; 1150; 1170; 1185; 1203; 1222; 1236; 1251; 1264; 1290; 1305; 1326; 1341; 1367; 1381; 1401; 1420; 1460; 1489; 1531; 1614; 1688; 1772; 1794; 1826; 1863; 1881; 1900; 1915; 1957; 1974; 1991; 2026; 2040; 2057; 2079; 2103; 2127; 2192; 2206; 2244; 2260; 2300; 2313; 2332; 2355; 2372; 2385; 2404; 2434; 2455; 2472; 2495; 2530; 2557; 2588; 2610; 2636; 2658; 2677; 2705; 2741; 2760; 2783; 2797; 2817; 2830; 2844; 2863; 2877; 2896; 2928; 2942; 2955; 2981; 3012; 3025; 3042; 3059; 3073; 3090; 3108; 3123; 3151; 3167; 3186; 3208; 3224; 3247; 3266; 3291; 3310; 3330; 3357; 3381; 3414; 3433; 3461; 3475; 3541; 3565; 3580; 3603; 3624; 3641; 3689; 3716; 3730; 3759; 3783; 3816; 3833; 3853; 3866; 3879; 3937; 3964; 3983; 4013; 4038; 4058; 4072; 4097; 4115; 4152; 4190; 4219; 4247; 4261; 4281; 4296; 4317; 4331; 4350; 4368; 4384; 4424; 4444; 4471; 4489; 4510; 4523; 4536; 4553; 4577; 4600; 4632; 4657; 4684; 4706

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SgeI	!NNNNNNNNNNNNNCNNG	168	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 599; 636; 653; 670; 690; 712; 731; 748; 784; 813; 831; 868; 887; 916; 943; 964; 982; 1006; 1033; 1054; 1072; 1111; 1129; 1159; 1177; 1196; 1219; 1238; 1264; 1288; 1305; 1324; 1341; 1360; 1387; 1434; 1463; 1505; 1588; 1662; 1746; 1768; 1800; 1837; 1855; 1874; 1931; 1948; 1965; 2000; 2018; 2038; 2058; 2077; 2101; 2166; 2218; 2274; 2306; 2329; 2346; 2378; 2408; 2429; 2446; 2469; 2504; 2531; 2562; 2584; 2610; 2632; 2651; 2679; 2715; 2734; 2757; 2778; 2796; 2813; 2837; 2870; 2902; 2929; 2955; 2986; 3016; 3033; 3059; 3082; 3103; 3125; 3145; 3165; 3182; 3221; 3240; 3265; 3284; 3304; 3331; 3355; 3388; 3407; 3435; 3457; 3515; 3539; 3558; 3577; 3598; 3615; 3663; 3690; 3710; 3733; 3757; 3790; 3807; 3827; 3853; 3911; 3938; 3957; 3987; 4012; 4032; 4071; 4089; 4126; 4164; 4193; 4221; 4242; 4270; 4291; 4324; 4342; 4398; 4418; 4445; 4463; 4484; 4510; 4527; 4551; 4574; 4606; 4631; 4658; 4680; 4709
Sgfl	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	2	652; 1005
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	4	27; 1900; 3687; 4480
SimI	!GACCC	6	106; 998; 1175; 3181; 3749; 3997
SinI	G!GWCC	3	1305; 3269; 3714
Slal	C!TCGAG	1	613
SmaI	CCC!GGG	1	658
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	5	365; 856; 913; 1033; 3190
SmlI	C!TYRAG	7	613; 619; 1635; 3144; 4026; 4303; 4565
SmoI	C!TYRAG	7	613; 619; 1635; 3144; 4026; 4303; 4565
SmuI	CCCGCNNNN!	12	93; 119; 286; 901; 1009; 1186; 1327; 2075; 2430; 2451; 3647; 3779
SmuI	!NNNNNNGCGGG	7	644; 676; 2006; 2876; 3413; 3551; 3698
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	2323; 2395; 3158
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	11	18; 629; 1503; 1567; 1645; 1671; 1682; 2329; 2401; 2493; 3911
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCT	0	
SseBI	AGG!CCT	1	2574
SsiI	C!CGC	40	58; 86; 98; 112; 279; 507; 589; 649; 894; 1002; 1041; 1134; 1179; 1308; 1320; 1400; 2068; 2071; 2085; 2175; 2423; 2435; 2444; 2456; 2466; 2477; 2523; 2662; 2725; 3227; 3272; 3338; 3364; 3489; 3492; 3640; 3772; 4079; 4223; 4719
SsiI	G!CGG	30	370; 403; 528; 651; 683; 767; 1004; 1196; 1199; 1396; 2013; 2040; 2128; 2238; 2819; 2883; 2984; 2987; 3267; 3322; 3420; 3558; 3705; 3845; 4088; 4333; 4454; 4473; 4600; 4628
SspI	AAT!ATT	2	1661; 2214
SspDI	G!GCGCC	1	2752
SspD5I	GGTGANNNNNNN!	6	376; 870; 1023; 1047; 3824; 3940
SspD5I	!NNNNNNNNTCACC	2	1869; 2930
SstI	GAGCT!C	1	620
SstII	CCGC!GG	2	652; 1005
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	0	
SstE37I	!NNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	26	92; 118; 285; 663; 722; 845; 900; 908; 950; 1008; 1145; 1185; 1259; 1326; 1952; 2074; 2429; 2450; 2763; 3166; 3305; 3376; 3646; 3778; 4008; 4446
Sth132I	!NNNNNNNNCNGGG	20	15; 407; 470; 643; 675; 1953; 2005; 2106; 2833; 2875; 2908; 3412; 3521; 3550; 3697; 3801; 3832; 4285; 4329; 4537
Sth302II	CC!GG	21	602; 658; 668; 705; 828; 1972; 2659; 2736; 2758; 2786; 2917; 3007; 3074; 3255; 3530; 3538; 3630; 4104; 4294; 4320; 4467
StrI	C!TCGAG	1	613
StsI	GGATGNNNNNNNNN!	4	2621; 3078; 3103; 3557
StsI	!NNNNNNNNNNNNNNNCATCC	5	864; 939; 1068; 1116; 2425
StuI	AGG!CCT	1	2574

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
StyI	C!CWGG	5	360; 2482; 2575; 3185; 3590
StyD4I	!CCNGG	26	88; 281; 655; 656; 844; 854; 956; 977; 1031; 1085; 1157; 1238; 1337; 2287; 2342; 2359; 2755; 2915; 3138; 3528; 3717; 3820; 4292; 4510; 4523; 4644
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	14	76; 198; 269; 543; 581; 645; 1844; 3133; 3249; 3357; 3680; 4171; 4641; 4712
TaiI	ACGT!	17	125; 137; 178; 261; 342; 447; 743; 1127; 1235; 1816; 1828; 1871; 1981; 2872; 3059; 3840; 3973
TaqI	T!CGA	18	614; 627; 640; 725; 1019; 1046; 1190; 1902; 2593; 2866; 3022; 3046; 3082; 3244; 3435; 3480; 3735; 4573
TaqII	GACCGANNNNNNNNNN!	3	1773; 2790; 3458
TaqII	!NNNNNNNNNTCGGTC	1	3702
TaqII	CACCCANNNNNNNNNN!	1	1381
TaqII	!NNNNNNNNNTGGGTG	3	172; 2657; 3249
TasI	!AATT	11	18; 629; 1503; 1567; 1645; 1671; 1682; 2329; 2401; 2493; 3911
TatI	W!GTACW	8	217; 297; 330; 381; 992; 1103; 1127; 1385
TauI	GCSG!C	21	770; 1007; 1199; 1202; 1399; 1402; 2073; 2087; 2525; 2664; 2727; 2822; 2987; 2990; 3229; 3325; 3366; 3494; 3848; 4476; 4631
TfiI	G!AWTC	5	3238; 3372; 3482; 3519; 4697
TliI	C!TCGAG	1	613
TruII	T!TAA	15	7; 1454; 1515; 1636; 1657; 1668; 1680; 1691; 1708; 1806; 2077; 3896; 3910; 3915; 3967
Tru9I	T!TAA	15	7; 1454; 1515; 1636; 1657; 1668; 1680; 1691; 1708; 1806; 2077; 3896; 3910; 3915; 3967
TscAI	CASTGNN!	6	889; 1599; 2882; 3992; 4263; 4276
TseI	G!CWGC	16	834; 1206; 1358; 1529; 2048; 2713; 2814; 2856; 2897; 2990; 3377; 3830; 4056; 4262; 4265; 4330
TsoI	TARCCANNNNNNNNNN!	2	1725; 2072
TsoI	!NNNNNNNNNTGGYTA	2	1530; 3282
Tsp45I	!GTSAC	4	858; 2042; 2873; 3179
Tsp509I	!AATT	11	18; 629; 1503; 1567; 1645; 1671; 1682; 2329; 2401; 2493; 3911
TspDTI	ATGAANNNNNNNNNN!	4	925; 1511; 2812; 3516
TspDTI	!NNNNNNNNNTTCAT	5	26; 804; 3230; 3686; 3893
TspEI	!AATT	11	18; 629; 1503; 1567; 1645; 1671; 1682; 2329; 2401; 2493; 3911
TspGWI	ACGGANNNNNNNNNN!	1	3628
TspGWI	!NNNNNNNNNTCCGT	0	
TspMI	C!CCGGG	1	656
TspRI	CASTGNN!	6	889; 1599; 2882; 3992; 4263; 4276
TstI	CACNNNNNTCCNNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNGTG	0	
TstI	GGANNNNNNGTGNNNNNNNNNNN!	0	
TstI	!NNNNNNNCCACNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	2871
Tth111II	CAARCANNNNNNNNNN!	1	4080
Tth111III	!NNNNNNNNNTGYTTG	3	3188; 4048; 4087
UnbI	!GGNCC	14	82; 275; 653; 847; 1088; 1248; 1304; 1316; 1859; 3268; 3713; 3759; 3817; 3850
Van9II	CCANNNN!NTGG	2	1098; 1374
Vha464I	C!TTAAG	1	1635
VneI	G!TGCAC	2	742; 4357
VpaK11AI	!GGWCC	3	1304; 3268; 3713
VpaK11BI	G!GWCC	3	1305; 3269; 3714
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	4	629; 1567; 1671; 1682
XbaI	T!CTAGA	1	1407
XceI	RCATG!Y	4	2323; 2395; 3158; 4675
XcmI	CCANNNN!NNNTGG	2	1155; 1236
XhoI	C!TCGAG	1	613
XhoII	R!GATCY	10	585; 609; 660; 2924; 3170; 3562; 3921; 3933; 4019; 4030
XmaI	C!CCGGG	1	656
XmaJI	C!CTAGG	2	2575; 3590
XmiI	GT!MKAC	1	640
XmnI	GAANN!NNTTC	1	922

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
XspI	C!TAG	8	592; 1408; 1602; 2020; 2576; 3591; 3925; 4178
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	2325; 2397; 4728