

pTagRFP-Cx26 vector

Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	2236; 2441
AarI	CACCTGCNNNN!	0	
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	3	2524; 3480; 5269
AatI	AGG!CCT	1	3274
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	1	1968
AccII	CG!CG	18	60; 635; 800; 1361; 2102; 2377; 2753; 2773; 2797; 2828; 3519; 3820; 4258; 4342; 4405; 4474; 4747; 5328
AccIII	T!CCGGA	0	
Acc16I	TGC!GCA	1	3555
Acc36I	ACCTGCNNNN!	2	3721; 4171
Acc36I	!NNNNNNNNGCAGGT	1	3340
Acc65I	G!GTACC	0	
AccB1I	G!GYRCC	6	465; 1442; 1502; 2606; 3452; 3487
AccB7I	CCANNNN!NTGG	1	1987
AccBSI	CCG!CTC	2	2877; 4066
AccBSI	GAG!CGG	3	2096; 2713; 4120
AceIII	CAGCTCNNNNNNN!	1	2409
AceIII	!NNNNNNNNNNGAGCTG	3	552; 1295; 1388
AciI	C!CGC	38	58; 86; 98; 112; 279; 507; 589; 639; 775; 798; 1701; 1839; 1941; 2100; 2768; 2771; 2785; 2875; 3123; 3135; 3144; 3156; 3166; 3177; 3223; 3362; 3425; 3927; 3972; 4038; 4064; 4189; 4192; 4340; 4472; 4779; 4923; 5419
AciI	G!CGG	29	370; 403; 528; 635; 1361; 1536; 1848; 1890; 2096; 2713; 2740; 2828; 2938; 3519; 3583; 3684; 3687; 3967; 4022; 4120; 4258; 4405; 4545; 4788; 5033; 5154; 5173; 5300; 5328
AclI	AA!CGTT	0	
AclWI	GGATCNNNN!	8	1371; 3321; 3632; 3878; 4270; 4629; 4727; 4813
AclWI	!NNNNNGATCC	8	580; 778; 1358; 1923; 3697; 4241; 4628; 4725
AcoI	Y!GGCCR	8	636; 795; 2046; 2097; 3359; 3533; 3924; 3951
AcsI	R!AATY	5	629; 1281; 2267; 2371; 2382
AcuI	CTGAAGNNNNNNNNNNNNNNNN!	3	1898; 3599; 4031
AcuI	!NNNNNNNNNNNNNNCTTCAG	1	4829
AcvI	CAC!GTG	1	964
AcyI	GR!CGYC	8	122; 175; 258; 444; 1965; 3453; 4155; 4234
AdeI	CACNNN!GTG	2	2038; 2569
AfaI	GT!AC	11	219; 244; 299; 332; 383; 540; 1154; 1433; 1583; 1835; 3759
AfeI	AGC!GCT	1	596
AfiI	CCNNNN!NNGG	26	49; 673; 741; 793; 910; 1080; 1499; 1612; 1778; 1844; 1987; 2465; 2791; 3183; 3434; 3978; 4259; 4291; 4423; 4458; 4508; 4540; 4893; 5172; 5338; 5356
AfIII	C!TTAAG	1	2335
AfIII	A!CRYGT	1	5371
AgeI	A!CCGGT	1	1369
AgsI	TTS!AA	7	1465; 1915; 2864; 2908; 2918; 3331; 4907
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
Ajni	!CCWGG	20	88; 281; 853; 948; 1193; 1229; 1563; 1611; 1707; 1722; 1851; 2987; 3042; 3059; 3838; 4417; 4520; 5210; 5223; 5344
AjuI	GAANNNNNNNTTGGNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNN!	0	
AjuI	!NNNNNNNGAANNNNNNNTTGG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AleI	CACNN!NNGTG	1	1382
AlfI	GCANNNNNTGCGNNNNNNNNNNNN!	2	3027; 3099
AlfI	!NNNNNNNNNNGCANNNNNTGC	2	2993; 3065
AloI	GAACNNNNNTCCNNNNNNNNNNNN!	2	1789; 2535
AloI	!NNNNNNNGGANNNNNNGTTC	0	
AloI	GGANNNNNGTTCNNNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNTCC	2	1757; 2503
AluI	AG!CT	22	566; 618; 624; 922; 956; 1124; 1309; 1402; 1429; 1575; 1882; 2232; 2399; 2656; 2951; 3239; 3559; 4017; 4814; 5071; 5117; 5207
AluBI	AG!CT	22	566; 618; 624; 922; 956; 1124; 1309; 1402; 1429; 1575; 1882; 2232; 2399; 2656; 2951; 3239; 3559; 4017; 4814; 5071; 5117; 5207
AlwI	GGATCNNNN!	8	1371; 3321; 3632; 3878; 4270; 4629; 4727; 4813
AlwI	!NNNNNGATCC	8	580; 778; 1358; 1923; 3697; 4241; 4628; 4725
Alw21I	GWGCW!C	5	620; 1472; 3566; 3756; 5061
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	6	970; 2009; 2877; 3295; 4314; 4442
Alw44I	G!TGCAC	2	1468; 5057
AlwNI	CAGNNN!CTG	4	1177; 2055; 4554; 4962
Ama87I	C!YCGRG	3	613; 649; 710
Aor13HI	T!CCGGA	0	
Aor51HI	AGC!GCT	1	596
ApaI	GGGCC!C	0	
ApaBI	GCANNNNN!TGC	3	3021; 3093; 4555
ApaLI	G!TGCAC	2	1468; 5057
ApeKI	G!CWGC	18	919; 1171; 1587; 1731; 2029; 2229; 2748; 3413; 3514; 3556; 3597; 3690; 4077; 4530; 4756; 4962; 4965; 5030
ApoI	R!AATY	5	629; 1281; 2267; 2371; 2382
ApyPI	ATCGACNNNNNNNNNNNNNNNNNN!	1	3968
ApyPI	!NNNNNNNNNNNNNNNNNGTCGAT	3	3762; 4415; 5253
AquI	GCCGNACNNNNNNNNNNNNNNNNNN!	2	664; 3852
AquI	!NNNNNNNNNNNNNNNNNGTNCGGC	1	1563
AquIII	GAGGAGNNNNNNNNNNNNNNNNNN!	1	3281
AquIII	!NNNNNNNNNNNNNNNNNCTCCTC	1	627
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNCTCCYC	2	868; 4023
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	0	
ArsI	!NNNNNCCRAANNNNNGTC	1	1341
ArsI	CRAANNNNNGTCNNNNNNNNNNNN!	1	1373
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	27	586; 610; 784; 925; 1042; 1267; 1364; 1753; 1903; 1929; 2111; 3291; 3295; 3314; 3625; 3703; 3784; 3793; 3871; 4247; 4263; 4622; 4634; 4712; 4720; 4731; 4806
AsiGI	A!CCGGT	1	1369
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	3571
Asp700I	GAANN!NNTTC	0	
Asp718I	G!GTACC	0	
AspA2I	C!CTAGG	2	3275; 4290
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	21	597; 2719; 2727; 2753; 2775; 2784; 2797; 2828; 3447; 3455; 3519; 3556; 3822; 4082; 4258; 4344; 4747; 4856; 5030; 5130; 5197
AspS9I	G!GNCC	18	83; 276; 943; 1057; 1071; 1083; 1233; 1538; 1781; 1873; 1894; 1978; 2560; 3969; 4414; 4460; 4518; 4551
AssI	AGT!ACT	0	
AsuII	TT!CGAA	3	627; 1119; 4135
AsuC2I	CC!SGG	6	1109; 1962; 3457; 3617; 4230; 4994
AsuHPI	GGTGANNNNNNNN!	5	376; 1192; 1774; 4524; 4640
AsuHPI	!NNNNNNNTCACC	3	1663; 2570; 3631
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	3	613; 649; 710
AvaII	G!GWCC	6	1057; 1071; 1083; 1978; 3969; 4414

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AviII	TGC!GCA	1	3555
AvrII	C!CTAGG	2	3275; 4290
AxyI	CC!TNAGG	3	1647; 2933; 4565
BaeI	ACNNNNGTAYCNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGC!C	8	695; 1445; 1472; 1505; 2082; 3399; 3492; 5061
BalI	TGG!CCA	2	2048; 3535
BamHI	G!GATCC	1	1363
BanI	G!GYRCC	6	465; 1442; 1502; 2606; 3452; 3487
BanII	GRGCY!C	5	620; 916; 2644; 3818; 4528
BanIII	AT!CGAT	1	3293
BarI	GAAGNNNNNTACNNNNNNNNNN!	0	
BarI	!NNNNNNNGTANNNNNNCTTC	1	1145
BarI	GTANNNNNNCTTCNNNNNNNNNN!	1	1177
BarI	!NNNNNNNGAAGNNNNNTAC	0	
BasI	CCANNNN!NTGG	1	1987
BauI	C!ACGAG	3	2033; 4171; 5198
BauI	C!TCGTG	3	788; 1883; 4045
BbeI	GGCG!C	1	3456
Bbr7I	GAAGACNNNNNN!	1	1694
Bbr7I	!NNNNNNNNNNGTCTTC	2	1115; 1238
BbrPI	CAC!GTG	1	964
BbsI	GAAGACNN!	1	1689
BbsI	!NNNNNGTCTTC	2	1120; 1243
BbuI	GCATG!C	3	3023; 3095; 3858
BbvI	GCAGCNNNNNNNN!	10	931; 1183; 1599; 2041; 2241; 3526; 3568; 4089; 4542; 5042
BbvI	!NNNNNNNNNNGCTGC	7	1718; 2735; 3400; 3584; 3677; 4743; 4949
Bbv12I	GWGCW!C	5	620; 1472; 3566; 3756; 5061
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	7	675; 899; 1780; 2583; 3147; 3673; 4175
BccI	!NNNNNGATGG	4	676; 2551; 3331; 3759
BceAI	ACGGCNNNNNNNNNN!	6	1600; 1744; 1795; 1861; 3879; 4366
BceAI	!NNNNNNNNNNGCCGT	3	2594; 3412; 4871
BceFI	ACGGCNNNNNNNNNN!	6	1600; 1744; 1795; 1861; 3879; 4366
BceFI	!NNNNNNNNNNGCCGT	3	2595; 3413; 4872
BcgI	CGANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNGCANNNNNTCG	1	630
BcgI	GCANNNNNNTGCNNNNNNNNNN!	1	664
BcgI	!NNNNNNNNNNGCANNNNNTGC	0	
BciVI	GTATCCNNNNN!	3	2882; 3672; 5173
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	1	924
BcnI	CC!SGG	6	1109; 1962; 3457; 3617; 4230; 4994
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNTCANNNNNNNNNN!	1	5306
BdaI	!NNNNNNNNNNTGANNNNNNTCA	1	5272
BfaI	C!TAG	9	592; 2067; 2108; 2302; 2720; 3276; 4291; 4625; 4878
BfiI	ACTGGGNNNNN!	2	2084; 3402
BfiI	!NNNCCCAGT	2	289; 3154
BfmI	C!TRYAG	5	698; 917; 2788; 4915; 5106
BfoI	RGCGC!Y	5	598; 2720; 2728; 3456; 5131
BfrI	C!TTAAG	1	2335
BfuI	GTATCCNNNNN!	3	2882; 3672; 5173
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	2	3721; 4171
BfuAI	!NNNNNNNNGCAGGT	1	3340
BfuCI	!GATC	27	585; 609; 783; 924; 1041; 1266; 1363; 1752; 1902; 1928; 2110; 3290; 3294; 3313; 3624; 3702; 3783; 3792; 3870; 4246; 4262; 4621; 4633; 4711; 4719; 4730; 4805
BglI	GCCNNNN!NGGC	5	90; 212; 283; 1857; 3228
BglII	A!GATCT	1	609

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BisI	GC!NGC	40	636; 639; 798; 920; 1172; 1537; 1588; 1732; 1849; 2030; 2097; 2100; 2230; 2749; 2771; 2785; 3223; 3362; 3414; 3425; 3515; 3520; 3557; 3598; 3685; 3688; 3691; 3927; 4023; 4064; 4078; 4192; 4531; 4546; 4757; 4963; 4966; 5031; 5174; 5329
BlnI	C!CTAGG	2	3275; 4290
BlpI	GC!TNAGC	0	
BlsI	GCN!GC	40	637; 640; 799; 921; 1173; 1538; 1589; 1733; 1850; 2031; 2098; 2101; 2231; 2750; 2772; 2786; 3224; 3363; 3415; 3426; 3516; 3521; 3558; 3599; 3686; 3689; 3692; 3928; 4024; 4065; 4079; 4193; 4532; 4547; 4758; 4964; 4967; 5032; 5175; 5330
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	6	1057; 1071; 1083; 1978; 3969; 4414
Bme1390I	CC!NGG	26	90; 283; 855; 950; 1109; 1195; 1231; 1565; 1613; 1709; 1724; 1853; 1962; 2989; 3044; 3061; 3457; 3617; 3840; 4230; 4419; 4522; 4994; 5212; 5225; 5346
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	3	613; 649; 710
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	18	84; 277; 944; 1058; 1072; 1084; 1234; 1539; 1782; 1874; 1895; 1979; 2561; 3970; 4415; 4461; 4519; 4552
BmiI	GGN!NCC	20	467; 1072; 1073; 1365; 1444; 1504; 1895; 2608; 2629; 2641; 2832; 2993; 3065; 3454; 3489; 4337; 4416; 4461; 5304; 5343
BmrI	ACTGGGNNNNN!	2	2084; 3402
BmrI	!NNNNCCCAGT	2	289; 3154
BmrFI	CC!NGG	26	90; 283; 855; 950; 1109; 1195; 1231; 1565; 1613; 1709; 1724; 1853; 1962; 2989; 3044; 3061; 3457; 3617; 3840; 4230; 4419; 4522; 4994; 5212; 5225; 5346
BmsI	GCATCNNNNN!	11	714; 786; 1107; 1296; 1626; 2269; 3032; 3104; 3752; 3816; 4091
BmsI	!NNNNNNNNNGATGC	8	357; 1779; 1818; 1947; 3411; 3666; 3882; 5274
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	2	2084; 3402
BmuI	!NNNNCCCAGT	2	289; 3154
BoxI	GACNN!NNGTC	1	2021
BpiI	GAAGACNN!	1	1689
BpiI	!NNNNNNGTCTTC	2	1120; 1243
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	2	3242; 4141
BpI	!NNNNNNNNGAGNNNNNCTC	2	3210; 4109
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	1	4293
BpmI	!NNNNNNNNNNNNNNNCTCCAG	3	833; 1706; 4236
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	1	1336
Bpu14I	TT!CGAA	3	627; 1119; 4135
Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	1	1689
BpuAI	!NNNNNNGTCTTC	2	1120; 1243
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	4747; 5286
BpuEI	!NNNNNNNNNNNNNCTCAAG	4	604; 1937; 3829; 4988
BpuMI	CC!SGG	6	1109; 1962; 3457; 3617; 4230; 4994
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	2	2009; 4442
Bsa29I	AT!CGAT	1	3293
BsaAI	YAC!GTR	4	340; 964; 2569; 3757
BsaBI	GATNN!NNATC	2	2115; 3312
BsaHI	GR!CGYC	8	122; 175; 258; 444; 1965; 3453; 4155; 4234
BsaJI	C!CNNGG	22	360; 648; 709; 1380; 1476; 1611; 1612; 1707; 2987; 3059; 3182; 3217; 3226; 3275; 3616; 3885; 4290; 4417; 4418; 4520; 4521; 5211
BsaMI	GAATGCN!	1	2204
BsaMI	G!CATTC	1	2297
BsaWI	W!CCGGW	7	600; 972; 1369; 3484; 4328; 5018; 5165
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	2	743; 2533
BsaXI	!NNNNNNNGGAGNNNNNNGT	0	
BsaXI	GGAGNNNNNNGTNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	2	713; 2503

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BsbI	CAACACNNNNNNNNNNNNNNNNNNNNNN!	2	867; 1845
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTG	2	2454; 4361
Bsc4I	CCNNNNN!NNGG	26	49; 673; 741; 793; 910; 1080; 1499; 1612; 1778; 1844; 1987; 2465; 2791; 3183; 3434; 3978; 4259; 4291; 4423; 4458; 4508; 4540; 4893; 5172; 5338; 5356
BscAI	GCATCNNNN!	11	713; 785; 1106; 1295; 1625; 2268; 3031; 3103; 3751; 3815; 4090
BscAI	!NNNNNNGATGC	8	360; 1782; 1821; 1950; 3414; 3669; 3885; 5277
Bse1I	ACTGGN!	5	1992; 2079; 3397; 3598; 4844
Bse1I	C!CAGT	6	295; 1355; 2482; 3160; 4956; 4969
Bse8I	GATNN!NNATC	2	2115; 3312
Bse21I	CC!TNAGG	3	1647; 2933; 4565
Bse118I	R!CCGGY	6	940; 1369; 2670; 3772; 3953; 4236
BseAI	T!CCGGA	0	
BseBI	CC!WGG	20	90; 283; 855; 950; 1195; 1231; 1565; 1613; 1709; 1724; 1853; 2989; 3044; 3061; 3840; 4419; 4522; 5212; 5225; 5346
BseCI	AT!CGAT	1	3293
BseDI	C!CNNGG	22	360; 648; 709; 1380; 1476; 1611; 1612; 1707; 2987; 3059; 3182; 3217; 3226; 3275; 3616; 3885; 4290; 4417; 4418; 4520; 4521; 5211
Bse3DI	GCAATGNN!	1	3686
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	4	3313; 3770; 3795; 4249
BseGI	!CATCC	9	667; 705; 900; 1287; 1472; 1560; 1617; 1772; 3139
BseJI	GATNN!NNATC	2	2115; 3312
BseLI	CCNNNNN!NNGG	26	49; 673; 741; 793; 910; 1080; 1499; 1612; 1778; 1844; 1987; 2465; 2791; 3183; 3434; 3978; 4259; 4291; 4423; 4458; 4508; 4540; 4893; 5172; 5338; 5356
BseMI	GCAATGNN!	1	3686
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	3	620; 1350; 4579
BseMII	!NNNNNNNNCTGAG	6	1638; 2924; 3226; 4107; 4679; 5088
BseNI	ACTGGN!	5	1992; 2079; 3397; 3598; 4844
BseNI	C!CAGT	6	295; 1355; 2482; 3160; 4956; 4969
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	1	3271
BseRI	!NNNNNNNNCTCCTC	1	637
BseSI	GKGC!C	8	695; 1445; 1472; 1505; 2082; 3399; 3492; 5061
BseXI	GCAGCNNNNNNNN!	10	931; 1183; 1599; 2041; 2241; 3526; 3568; 4089; 4542; 5042
BseXI	!NNNNNNNNNNNGCTGC	7	1718; 2735; 3400; 3584; 3677; 4743; 4949
BseX3I	C!GGCCG	3	636; 2097; 3359
BseYI	C!CCAGC	3	2996; 3068; 5067
BseYI	G!CTGGG	2	1809; 3957
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	18	60; 635; 800; 1361; 2102; 2377; 2753; 2773; 2797; 2828; 3519; 3820; 4258; 4342; 4405; 4474; 4747; 5328
Bsh1285I	CGRY!CG	5	639; 1374; 2100; 3362; 5037
BshFI	GG!CC	34	84; 277; 638; 797; 944; 968; 1198; 1234; 1539; 1782; 1817; 1851; 1874; 1896; 2006; 2048; 2099; 2419; 2561; 3216; 3222; 3231; 3274; 3361; 3535; 3926; 3953; 4462; 4519; 4552; 4897; 5331; 5349; 5360
BshNI	G!GYRCC	6	465; 1442; 1502; 2606; 3452; 3487
BshTI	A!CCGGT	1	1369
BshVI	AT!CGAT	1	3293
BsiEI	CGRY!CG	5	639; 1374; 2100; 3362; 5037
BsiHKAI	GWGCW!C	5	620; 1472; 3566; 3756; 5061
BsiHKCI	C!YCGRG	3	613; 649; 710
BsiSI	C!CGG	23	601; 904; 941; 973; 1108; 1370; 1962; 2671; 3358; 3435; 3457; 3485; 3616; 3706; 3773; 3954; 4229; 4237; 4329; 4803; 4993; 5019; 5166
BsiWI	C!GTACG	0	
BslI	CCNNNNN!NNGG	26	49; 673; 741; 793; 910; 1080; 1499; 1612; 1778; 1844; 1987; 2465; 2791; 3183; 3434; 3978; 4259; 4291; 4423; 4458; 4508; 4540; 4893; 5172; 5338; 5356
BslFI	GGGACNNNNNNNNNN!	7	175; 326; 494; 666; 3604; 4136; 4245
BslFI	!NNNNNNNNNNNNNGTCCC	6	1057; 1188; 2969; 3041; 3105; 4400

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BsmI	GAATGCN!	1	2204
BsmI	G!CATTC	1	2297
BsmAI	GTCTCN!	1	434
BsmAI	!NNNNNGAGAC	6	970; 2009; 2877; 3295; 4314; 4442
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	7	175; 326; 494; 666; 3604; 4136; 4245
BsmFI	!NNNNNNNNNNNNNGTCCC	6	1057; 1188; 2969; 3041; 3105; 4400
BsnI	GG!CC	34	84; 277; 638; 797; 944; 968; 1198; 1234; 1539; 1782; 1817; 1851; 1874; 1896; 2006; 2048; 2099; 2419; 2561; 3216; 3222; 3231; 3274; 3361; 3535; 3926; 3953; 4462; 4519; 4552; 4897; 5331; 5349; 5360
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	2	2009; 4442
BsoBI	C!YCGRG	3	613; 649; 710
Bsp13I	T!CCGGA	0	
Bsp19I	C!CATGG	4	360; 1380; 3182; 3885
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 4256
Bsp24I	!NNNNNNCCANNNNNNNGTC	2	4677; 4855
Bsp24I	CCANNNNNGTCNNNNNNNNNN!	2	4709; 4887
Bsp24I	!NNNNNNNGACNNNNNTGG	2	257; 4224
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	3	627; 1119; 4135
Bsp120I	G!GGCCC	0	
Bsp143I	!GATC	27	585; 609; 783; 924; 1041; 1266; 1363; 1752; 1902; 1928; 2110; 3290; 3294; 3313; 3624; 3702; 3783; 3792; 3870; 4246; 4262; 4621; 4633; 4711; 4719; 4730; 4805
Bsp1286I	GDGCH!C	15	620; 695; 916; 1445; 1472; 1505; 2082; 2644; 3399; 3492; 3566; 3756; 3818; 4528; 5061
Bsp1407I	T!GTACA	2	1152; 1431
Bsp1720I	GC!TNAGC	0	
BspACI	C!CGC	38	58; 86; 98; 112; 279; 507; 589; 639; 775; 798; 1701; 1839; 1941; 2100; 2768; 2771; 2785; 2875; 3123; 3135; 3144; 3156; 3166; 3177; 3223; 3362; 3425; 3927; 3972; 4038; 4064; 4189; 4192; 4340; 4472; 4779; 4923; 5419
BspACI	G!CGG	29	370; 403; 528; 635; 1361; 1536; 1848; 1890; 2096; 2713; 2740; 2828; 2938; 3519; 3583; 3684; 3687; 3967; 4022; 4120; 4258; 4405; 4545; 4788; 5033; 5154; 5173; 5300; 5328
BspCNI	CTCAGNNNNNNNN!	3	619; 1349; 4578
BspCNI	!NNNNNNCTGAG	6	1639; 2925; 3227; 4108; 4680; 5089
BspDI	AT!CGAT	1	3293
BspD6I	GACTCNNNN!	6	418; 612; 2112; 2526; 4132; 5009
BspD6I	!NNNNNGAGTC	3	1661; 2489; 2921
BspEI	T!CCGGA	0	
BspFNI	CG!CG	18	60; 635; 800; 1361; 2102; 2377; 2753; 2773; 2797; 2828; 3519; 3820; 4258; 4342; 4405; 4474; 4747; 5328
BspHI	T!CATGA	5	780; 999; 1263; 2879; 4651
BspLI	GGN!NCC	20	467; 1072; 1073; 1365; 1444; 1504; 1895; 2608; 2629; 2641; 2832; 2993; 3065; 3454; 3489; 4337; 4416; 4461; 5304; 5343
BspMI	ACCTGCNNNN!	2	3721; 4171
BspMI	!NNNNNNNGCAGGT	1	3340
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	8	1371; 3321; 3632; 3878; 4270; 4629; 4727; 4813
BspPI	!NNNNNGATCC	8	580; 778; 1358; 1923; 3697; 4241; 4628; 4725
BspQI	GCTCTTCN!	0	
BspQI	!NNNNGAAGAGC	3	1392; 3797; 4007
BspTI	C!TTAAG	1	2335
BspT104I	TT!CGAA	3	627; 1119; 4135
BspT107I	G!GYRCC	6	465; 1442; 1502; 2606; 3452; 3487
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	2	2009; 4442
BsrI	ACTGGN!	5	1992; 2079; 3397; 3598; 4844
BsrI	C!CAGT	6	295; 1355; 2482; 3160; 4956; 4969
BsrBI	CCG!CTC	2	2877; 4066
BsrBI	GAG!CGG	3	2096; 2713; 4120
BsrDI	GCAATGNN!	1	3686

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrDI	!CATTGC	0	
BsrFI	R!CCGGY	6	940; 1369; 2670; 3772; 3953; 4236
BsrGI	T!GTACA	2	1152; 1431
BsrSI	ACTGGN!	5	1992; 2079; 3397; 3598; 4844
BsrSI	C!CAGT	6	295; 1355; 2482; 3160; 4956; 4969
BssAI	R!CCGGY	6	940; 1369; 2670; 3772; 3953; 4236
BssECI	C!CNNGG	22	360; 648; 709; 1380; 1476; 1611; 1612; 1707; 2987; 3059; 3182; 3217; 3226; 3275; 3616; 3885; 4290; 4417; 4418; 4520; 4521; 5211
BssHII	G!CGCGC	0	
BssKI	!CCNGG	26	88; 281; 853; 948; 1107; 1193; 1229; 1563; 1611; 1707; 1722; 1851; 1960; 2987; 3042; 3059; 3455; 3615; 3838; 4228; 4417; 4520; 4992; 5210; 5223; 5344
BssMI	!GATC	27	585; 609; 783; 924; 1041; 1266; 1363; 1752; 1902; 1928; 2110; 3290; 3294; 3313; 3624; 3702; 3783; 3792; 3870; 4246; 4262; 4621; 4633; 4711; 4719; 4730; 4805
BssNI	GR!CGYC	8	122; 175; 258; 444; 1965; 3453; 4155; 4234
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	3	2033; 4171; 5198
BssSI	C!TCGTG	3	788; 1883; 4045
BssTII	C!CWWGG	6	360; 1380; 3182; 3275; 3885; 4290
Bst6I	CTCTTCN!	1	770
Bst6I	!NNNNGAAGAG	5	1032; 1392; 2920; 3797; 4007
Bst98I	C!TTAAG	1	2335
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	8	122; 175; 258; 444; 1965; 3453; 4155; 4234
BstAFI	C!TTAAG	1	2335
BstAPI	GCANNNN!NTGC	3	3020; 3092; 4554
BstAUI	T!GTACA	2	1152; 1431
BstBI	TT!CGAA	3	627; 1119; 4135
Bst2BI	C!ACGAG	3	2033; 4171; 5198
Bst2BI	C!TCGTG	3	788; 1883; 4045
BstBAI	YAC!GTR	4	340; 964; 2569; 3757
Bst4CI	ACN!GT	19	76; 198; 269; 543; 581; 659; 760; 1213; 1249; 1258; 1447; 2544; 3833; 3949; 4057; 4380; 4871; 5341; 5412
BstC8I	GCN!NGC	32	86; 279; 593; 643; 825; 942; 1490; 1694; 2672; 2715; 2729; 3002; 3021; 3074; 3093; 3347; 3533; 3752; 3818; 3824; 3856; 3897; 3901; 3955; 4238; 4425; 4472; 4528; 4550; 4761; 5321; 5358
BstDEI	C!TNAG	11	606; 1336; 1389; 1647; 1944; 2933; 3235; 4116; 4565; 4688; 5097
BstDSI	C!CRYGG	4	360; 1380; 3182; 3885
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	4	3313; 3770; 3795; 4249
BstF5I	!CATCC	9	667; 705; 900; 1287; 1472; 1560; 1617; 1772; 3139
BstFNI	CG!CG	18	60; 635; 800; 1361; 2102; 2377; 2753; 2773; 2797; 2828; 3519; 3820; 4258; 4342; 4405; 4474; 4747; 5328
BstH2I	RGCGC!Y	5	598; 2720; 2728; 3456; 5131
BstHHI	GCG!C	21	597; 2719; 2727; 2753; 2775; 2784; 2797; 2828; 3447; 3455; 3519; 3556; 3822; 4082; 4258; 4344; 4747; 4856; 5030; 5130; 5197
BstKTI	GAT!C	27	588; 612; 786; 927; 1044; 1269; 1366; 1755; 1905; 1931; 2113; 3293; 3297; 3316; 3627; 3705; 3786; 3795; 3873; 4249; 4265; 4624; 4636; 4714; 4722; 4733; 4808
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNGAGAC	6	970; 2009; 2877; 3295; 4314; 4442
BstMBI	!GATC	27	585; 609; 783; 924; 1041; 1266; 1363; 1752; 1902; 1928; 2110; 3290; 3294; 3313; 3624; 3702; 3783; 3792; 3870; 4246; 4262; 4621; 4633; 4711; 4719; 4730; 4805
BstMCI	CGRY!CG	5	639; 1374; 2100; 3362; 5037
BstMWI	GCNNNNN!NNGC	27	90; 212; 244; 283; 376; 400; 1426; 1857; 2680; 2710; 2737; 2779; 3020; 3092; 3143; 3222; 3444; 3528; 3551; 3690; 3813; 3896; 4163; 4350; 4554; 4753; 5325
BstNI	CC!WGG	20	90; 283; 855; 950; 1195; 1231; 1565; 1613; 1709; 1724; 1853; 2989; 3044; 3061; 3840; 4419; 4522; 5212; 5225; 5346
BstNSI	RCATG!Y	5	1420; 3023; 3095; 3858; 5375

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstOI	CC!WGG	20	90; 283; 855; 950; 1195; 1231; 1565; 1613; 1709; 1724; 1853; 2989; 3044; 3061; 3840; 4419; 4522; 5212; 5225; 5346
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	1	2021
BstSCI	!CCNGG	26	88; 281; 853; 948; 1107; 1193; 1229; 1563; 1611; 1707; 1722; 1851; 1960; 2987; 3042; 3059; 3455; 3615; 3838; 4228; 4417; 4520; 4992; 5210; 5223; 5344
BstSFI	C!TRYAG	5	698; 917; 2788; 4915; 5106
BstSLI	GKGCMLC	8	695; 1445; 1472; 1505; 2082; 3399; 3492; 5061
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	18	60; 635; 800; 1361; 2102; 2377; 2753; 2773; 2797; 2828; 3519; 3820; 4258; 4342; 4405; 4474; 4747; 5328
Bst2UI	CC!WGG	20	90; 283; 855; 950; 1195; 1231; 1565; 1613; 1709; 1724; 1853; 2989; 3044; 3061; 3840; 4419; 4522; 5212; 5225; 5346
BstV1I	GCAGCNNNNNNNN!	10	931; 1183; 1599; 2041; 2241; 3526; 3568; 4089; 4542; 5042
BstV1I	!NNNNNNNNNNNGCTGC	7	1718; 2735; 3400; 3584; 3677; 4743; 4949
BstV2I	GAAGACNN!	1	1689
BstV2I	!NNNNNNGTCTTC	2	1120; 1243
BstXI	CCANNNNN!NTGG	1	1213
BstX2I	R!GATCY	11	585; 609; 1363; 1928; 3624; 3870; 4262; 4621; 4633; 4719; 4730
BstYI	R!GATCY	11	585; 609; 1363; 1928; 3624; 3870; 4262; 4621; 4633; 4719; 4730
BstZI	C!GGCCG	3	636; 2097; 3359
BstZ17I	GTA!TAC	0	
BsuI	GATCCNNNNNN!	3	2882; 3672; 5173
BsuI	!NNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	3293
Bsu36I	CC!TNAGG	3	1647; 2933; 4565
BsuRI	GG!CC	34	84; 277; 638; 797; 944; 968; 1198; 1234; 1539; 1782; 1817; 1851; 1874; 1896; 2006; 2048; 2099; 2419; 2561; 3216; 3222; 3231; 3274; 3361; 3535; 3926; 3953; 4462; 4519; 4552; 4897; 5331; 5349; 5360
BsuTUI	AT!CGAT	1	3293
BtgI	C!CRYGG	4	360; 1380; 3182; 3885
BtgZI	GCGATGNNNNNNNNNN!	2	2570; 3905
BtgZI	!NNNNNNNNNNNNNNNCATCGC	3	334; 3724; 4068
BthCI	GCNG!C	40	638; 641; 800; 922; 1174; 1539; 1590; 1734; 1851; 2032; 2099; 2102; 2232; 2751; 2773; 2787; 3225; 3364; 3416; 3427; 3517; 3522; 3559; 3600; 3687; 3690; 3693; 3929; 4025; 4066; 4080; 4194; 4533; 4548; 4759; 4965; 4968; 5033; 5176; 5331
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	1	2292
BtsCI	GGATGNN!	4	3313; 3770; 3795; 4249
BtsCI	!CATCC	9	667; 705; 900; 1287; 1472; 1560; 1617; 1772; 3139
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	2	3721; 4171
BveI	!NNNNNNNNNGCAGGT	1	3340
Cac8I	GCN!NGC	32	86; 279; 593; 643; 825; 942; 1490; 1694; 2672; 2715; 2729; 3002; 3021; 3074; 3093; 3347; 3533; 3752; 3818; 3824; 3856; 3897; 3901; 3955; 4238; 4425; 4472; 4528; 4550; 4761; 5321; 5358
CaiI	CAGNNN!CTG	4	1177; 2055; 4554; 4962
CciI	T!CATGA	5	780; 999; 1263; 2879; 4651
CciNI	GC!GGCCGC	2	636; 2097
CdiI	CATC!G	6	352; 1036; 3742; 3747; 3945; 4086
CdiI	C!GATG	2	2556; 3891
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNNNN!	1	5325
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 3114; 3156
CelII	GC!TNAGC	0	
CfoI	GCG!C	21	597; 2719; 2727; 2753; 2775; 2784; 2797; 2828; 3447; 3455; 3519; 3556; 3822; 4082; 4258; 4344; 4747; 4856; 5030; 5130; 5197
CfrI	Y!GGCCR	8	636; 795; 2046; 2097; 3359; 3533; 3924; 3951
Cfr9I	C!CCGGG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Cfr10I	R!CCGGY	6	940; 1369; 2670; 3772; 3953; 4236
Cfr13I	G!GNCC	18	83; 276; 943; 1057; 1071; 1083; 1233; 1538; 1781; 1873; 1894; 1978; 2560; 3969; 4414; 4460; 4518; 4551
Cfr42I	CCG!GG	0	
ChaI	GATC!	27	589; 613; 787; 928; 1045; 1270; 1367; 1756; 1906; 1932; 2114; 3294; 3298; 3317; 3628; 3706; 3787; 3796; 3874; 4250; 4266; 4625; 4637; 4715; 4723; 4734; 4809
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	5	1484; 3270; 4710; 4810; 4888
CjeI	!NNNNNNNNNACNNNNNNNTGG	8	64; 257; 724; 2937; 3032; 4224; 4774; 5329
CjeI	ACNNNNNNNTGGNNNNNNNNNNNNNN!	8	98; 291; 758; 2971; 3066; 4258; 4808; 5363
CjeI	!NNNNNNNNCCANNNNNNGT	5	1450; 3236; 4676; 4776; 4854
CjePI	CCANNNNNNNNTCNNNNNNNNNNNNNN!	2	4710; 4888
CjePI	!NNNNNNNNGANNNNNNNTGG	5	257; 1509; 1854; 4224; 4823
CjePI	GANNNNNNNTGGNNNNNNNNNNNNNN!	5	290; 1542; 1887; 4257; 4856
CjePI	!NNNNNNNNCCANNNNNNNNTC	2	4677; 4855
Clal	AT!CGAT	1	3293
CpoI	CG!GWCCG	1	3969
CseI	GACGCNNNNN!	3	526; 4163; 4242
CseI	!NNNNNNNNNNGCGTC	5	1163; 1954; 2786; 4681; 5259
CsiI	A!CCWGGT	1	3042
CspI	CG!GWCCG	1	3969
Csp6I	G!TAC	11	218; 243; 298; 331; 382; 539; 1153; 1432; 1582; 1834; 3758
Csp45I	TT!CGAA	3	627; 1119; 4135
CspAI	A!CCGGT	1	1369
CspCI	CAANNNNNGTGGNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNCCACNNNNNTTG	1	721
CspCI	CCACNNNNNTTGNNNNNNNNNNNN!	1	756
CspCI	!NNNNNNNNNNCAANNNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNN!	5	828; 1434; 2025; 2733; 4342
CstMI	!NNNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	30	301; 361; 781; 928; 1000; 1132; 1150; 1168; 1264; 1381; 1417; 1423; 1435; 1513; 1579; 1659; 1870; 2880; 3020; 3092; 3183; 3324; 3669; 3855; 3886; 3912; 4268; 4652; 5372; 5423
CviJI	RG!CY	110	42; 84; 93; 277; 566; 618; 624; 638; 754; 797; 827; 853; 858; 907; 914; 922; 944; 956; 968; 1124; 1161; 1198; 1234; 1309; 1402; 1429; 1492; 1539; 1568; 1575; 1653; 1719; 1731; 1782; 1809; 1817; 1851; 1874; 1882; 1896; 2006; 2042; 2048; 2099; 2122; 2232; 2399; 2419; 2561; 2642; 2656; 2670; 2951; 2992; 3064; 3187; 3216; 3222; 3231; 3239; 3262; 3274; 3280; 3361; 3378; 3386; 3413; 3438; 3522; 3531; 3535; 3559; 3597; 3673; 3690; 3709; 3772; 3816; 3826; 3843; 3926; 3953; 3957; 3994; 4017; 4033; 4213; 4240; 4301; 4423; 4462; 4519; 4526; 4533; 4552; 4563; 4814; 4843; 4886; 4897; 4962; 5041; 5066; 5071; 5117; 5207; 5305; 5331; 5349; 5360
CviKI-1	RG!CY	110	42; 84; 93; 277; 566; 618; 624; 638; 754; 797; 827; 853; 858; 907; 914; 922; 944; 956; 968; 1124; 1161; 1198; 1234; 1309; 1402; 1429; 1492; 1539; 1568; 1575; 1653; 1719; 1731; 1782; 1809; 1817; 1851; 1874; 1882; 1896; 2006; 2042; 2048; 2099; 2122; 2232; 2399; 2419; 2561; 2642; 2656; 2670; 2951; 2992; 3064; 3187; 3216; 3222; 3231; 3239; 3262; 3274; 3280; 3361; 3378; 3386; 3413; 3438; 3522; 3531; 3535; 3559; 3597; 3673; 3690; 3709; 3772; 3816; 3826; 3843; 3926; 3953; 3957; 3994; 4017; 4033; 4213; 4240; 4301; 4423; 4462; 4519; 4526; 4533; 4552; 4563; 4814; 4843; 4886; 4897; 4962; 5041; 5066; 5071; 5117; 5207; 5305; 5331; 5349; 5360
CviQI	G!TAC	11	218; 243; 298; 331; 382; 539; 1153; 1432; 1582; 1834; 3758
DdeI	C!TNAG	11	606; 1336; 1389; 1647; 1944; 2933; 3235; 4116; 4565; 4688; 5097
DinI	GGC!GCC	1	3454
DpnI	GA!TC	27	587; 611; 785; 926; 1043; 1268; 1365; 1754; 1904; 1930; 2112; 3292; 3296; 3315; 3626; 3704; 3785; 3794; 3872; 4248; 4264; 4623; 4635; 4713; 4721; 4732; 4807
DpnII	!GATC	27	585; 609; 783; 924; 1041; 1266; 1363; 1752; 1902; 1928; 2110; 3290; 3294; 3313; 3624; 3702; 3783; 3792; 3870; 4246; 4262; 4621; 4633; 4711; 4719; 4730; 4805
DraI	TTT!AAA	3	2155; 4597; 4616
DraII	RG!GNCCY	2	1071; 4551
DraIII	CACNNN!GTG	2	2038; 2569

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNN!	3	266; 750; 4933
DraRI	!NNNNNNNNNNNNNNNNNNNGTNCCTG	0	
DrdI	GACNNN!NNGTC	3	2524; 3480; 5269
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	1	900
DrdIV	!NNNNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	
DseDI	GACNNN!NNGTC	3	2524; 3480; 5269
EaeI	Y!GGCCR	8	636; 795; 2046; 2097; 3359; 3533; 3924; 3951
EagI	C!GGCCG	3	636; 2097; 3359
Eam1104I	CTCTTCN!	1	770
Eam1104I	!NNNNGAAGAG	5	1032; 1392; 2920; 3797; 4007
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	1	770
EarI	!NNNNGAAGAG	5	1032; 1392; 2920; 3797; 4007
EciI	GGCGGANNNNNNNNNNNN!	4	2953; 3982; 5169; 5315
EciI	!NNNNNNNNNTCCGCC	4	496; 3124; 3145; 3166
Ecl136II	GAG!CTC	1	618
EclXI	C!GGCCG	3	636; 2097; 3359
Eco24I	GRGCY!C	5	620; 916; 2644; 3818; 4528
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNNGAGACC	2	2009; 4442
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	6	1057; 1071; 1083; 1978; 3969; 4414
Eco47III	AGC!GCT	1	596
Eco52I	C!GGCCG	3	636; 2097; 3359
Eco57I	CTGAAGNNNNNNNNNNNNNNNN!	3	1898; 3599; 4031
Eco57I	!NNNNNNNNNNNNNNNNCTTCAG	1	4829
Eco72I	CAC!GTG	1	964
Eco81I	CC!TNAGG	3	1647; 2933; 4565
Eco88I	C!YCGRG	3	613; 649; 710
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	6	360; 1380; 3182; 3275; 3885; 4290
Eco147I	AGG!CCT	1	3274
EcoHI	!CCSGG	6	1107; 1960; 3455; 3615; 4228; 4992
EcoICRI	GAG!CTC	1	618
Eco57MI	CTGRAGNNNNNNNNNNNNNNNN!	4	1898; 3599; 4031; 4293
Eco57MI	!NNNNNNNNNNNNNNNNCTYCAG	4	833; 1706; 4236; 4829
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	2	1071; 4551
EcoRI	G!AATTC	1	629
EcoRII	!CCWGG	20	88; 281; 853; 948; 1193; 1229; 1563; 1611; 1707; 1722; 1851; 2987; 3042; 3059; 3838; 4417; 4520; 5210; 5223; 5344
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	6	360; 1380; 3182; 3275; 3885; 4290
EcoT22I	ATGCA!T	3	3025; 3097; 5428
EcoT38I	GRGCY!C	5	620; 916; 2644; 3818; 4528
Eco53kI	GAG!CTC	1	618
EgeI	GGC!GCC	1	3454
EheI	GGC!GCC	1	3454
ErhI	C!CWWGG	6	360; 1380; 3182; 3275; 3885; 4290
EsaBC3I	TC!GA	19	615; 628; 1036; 1066; 1120; 1531; 1558; 2026; 2603; 3294; 3567; 3723; 3747; 3783; 3945; 4136; 4181; 4436; 5274
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNNGAGACG	0	
FaeI	CATG!	30	304; 364; 784; 931; 1003; 1135; 1153; 1171; 1267; 1384; 1420; 1426; 1438; 1516; 1582; 1662; 1873; 2883; 3023; 3095; 3186; 3327; 3672; 3858; 3889; 3915; 4271; 4655; 5375; 5426
Fail	YA!TR	71	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 782; 929; 959; 1001; 1133; 1137; 1151; 1169; 1265; 1382; 1418; 1424; 1436; 1514; 1580; 1660; 1678; 1871; 1924; 1974; 2115; 2125; 2191; 2236; 2441; 2869; 2881; 3012; 3021; 3084; 3093; 3117; 3184; 3208; 3325; 3389; 3670; 3695; 3856; 3887; 3913; 3985; 4201; 4269; 4347; 4399; 4560; 4577; 4579; 4581; 4653; 4931; 5120; 5236; 5309; 5373; 5424

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FalI	AAGNNNNNCTTNNNNNNNNNNNN!	3	1267; 1657; 3793
FalI	!NNNNNNNNAAGNNNNNCTT	3	1235; 1625; 3761
FaqI	GGGACNNNNNNNNNN!	7	175; 326; 494; 666; 3604; 4136; 4245
FaqI	!NNNNNNNNNNNNNGTCCC	6	1057; 1188; 2969; 3041; 3105; 4400
FatI	!CATG	30	300; 360; 780; 927; 999; 1131; 1149; 1167; 1263; 1380; 1416; 1422; 1434; 1512; 1578; 1658; 1869; 2879; 3019; 3091; 3182; 3323; 3668; 3854; 3885; 3911; 4267; 4651; 5371; 5422
FauI	CCCGCNNNN!	10	93; 119; 286; 1846; 1948; 2775; 3130; 3151; 4347; 4479
FauI	!NNNNNNGCGGG	6	1883; 2706; 3576; 4113; 4251; 4398
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	1	924
FblI	GT!MKAC	1	1968
FmuI	GGNC!C	18	86; 279; 946; 1060; 1074; 1086; 1236; 1541; 1784; 1876; 1897; 1981; 2563; 3972; 4417; 4463; 4521; 4554
Fnu4HI	GC!NGC	40	636; 639; 798; 920; 1172; 1537; 1588; 1732; 1849; 2030; 2097; 2100; 2230; 2749; 2771; 2785; 3223; 3362; 3414; 3425; 3515; 3520; 3557; 3598; 3685; 3688; 3691; 3927; 4023; 4064; 4078; 4192; 4531; 4546; 4757; 4963; 4966; 5031; 5174; 5329
FokI	GGATGNNNNNNNNN!	4	3320; 3777; 3802; 4256
FokI	!NNNNNNNNNNNNNCATCC	9	654; 692; 887; 1274; 1459; 1547; 1604; 1759; 3126
FriOI	GRGCY!C	5	620; 916; 2644; 3818; 4528
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3555
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	9	592; 2067; 2108; 2302; 2720; 3276; 4291; 4625; 4878
FspEI	CCNNNNNNNNNNNN!	176	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 652; 676; 722; 745; 776; 800; 841; 863; 893; 917; 949; 982; 1063; 1087; 1105; 1121; 1207; 1243; 1304; 1360; 1380; 1459; 1489; 1506; 1520; 1553; 1567; 1585; 1609; 1624; 1654; 1687; 1714; 1729; 1748; 1784; 1831; 1850; 1865; 1888; 1910; 1933; 1953; 1974; 1994; 2020; 2062; 2078; 2113; 2136; 2175; 2189; 2330; 2425; 2449; 2472; 2495; 2513; 2535; 2556; 2575; 2594; 2623; 2644; 2658; 2684; 2772; 2798; 2847; 2888; 2906; 2945; 2961; 2999; 3056; 3071; 3128; 3148; 3162; 3179; 3193; 3230; 3245; 3288; 3371; 3438; 3469; 3489; 3504; 3549; 3563; 3629; 3643; 3662; 3678; 3719; 3739; 3786; 3836; 3852; 3872; 3897; 3917; 3940; 3967; 3985; 4011; 4051; 4077; 4101; 4157; 4171; 4199; 4242; 4263; 4298; 4342; 4430; 4454; 4476; 4496; 4512; 4533; 4547; 4566; 4650; 4670; 4698; 4713; 4747; 4789; 4816; 4831; 4876; 4900; 4914; 4936; 4962; 4982; 5006; 5032; 5080; 5099; 5118; 5144; 5179; 5224; 5254; 5268; 5319; 5333; 5358; 5374; 5395; 5424
FspEI	!NNNNNNNNNNNNNNNGG	151	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 586; 620; 659; 696; 726; 776; 796; 840; 889; 914; 935; 958; 976; 1013; 1040; 1063; 1093; 1143; 1163; 1199; 1241; 1263; 1312; 1346; 1367; 1394; 1421; 1463; 1484; 1508; 1550; 1569; 1598; 1634; 1671; 1694; 1713; 1743; 1764; 1791; 1830; 1856; 1875; 1947; 1973; 2021; 2060; 2081; 2124; 2224; 2293; 2323; 2401; 2450; 2472; 2500; 2536; 2581; 2610; 2646; 2665; 2693; 2713; 2776; 2799; 2907; 2939; 2957; 2986; 3029; 3058; 3169; 3198; 3241; 3262; 3290; 3323; 3343; 3368; 3395; 3420; 3442; 3470; 3496; 3517; 3568; 3589; 3607; 3655; 3691; 3747; 3772; 3796; 3825; 3848; 3872; 3898; 3920; 3939; 3964; 4004; 4040; 4105; 4190; 4214; 4243; 4277; 4298; 4318; 4363; 4390; 4409; 4442; 4494; 4525; 4552; 4604; 4702; 4773; 4818; 4879; 4944; 4978; 5004; 5022; 5058; 5128; 5151; 5173; 5197; 5230; 5278; 5313; 5331; 5388
Fsp4HI	GC!NGC	40	636; 639; 798; 920; 1172; 1537; 1588; 1732; 1849; 2030; 2097; 2100; 2230; 2749; 2771; 2785; 3223; 3362; 3414; 3425; 3515; 3520; 3557; 3598; 3685; 3688; 3691; 3927; 4023; 4064; 4078; 4192; 4531; 4546; 4757; 4963; 4966; 5031; 5174; 5329
GdiII	C!GGCCR	3	636; 2097; 3359
GdiII	Y!GGCCG	6	636; 795; 2097; 3359; 3924; 3951
Glai	GC!GC	21	596; 2718; 2726; 2752; 2774; 2783; 2796; 2827; 3446; 3454; 3518; 3555; 3821; 4081; 4257; 4343; 4746; 4855; 5029; 5129; 5196
GluI	GC!NGC	40	636; 639; 798; 920; 1172; 1537; 1588; 1732; 1849; 2030; 2097; 2100; 2230; 2749; 2771; 2785; 3223; 3362; 3414; 3425; 3515; 3520; 3557; 3598; 3685; 3688; 3691; 3927; 4023; 4064; 4078; 4192; 4531; 4546; 4757; 4963; 4966; 5031; 5174; 5329

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
GsaI	CCCAG!C	3	3000; 3072; 5071
GsaI	GCTGG!G	2	1813; 3961
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	1	4293
GsuI	!NNNNNNNNNNNNNNNNCTCCAG	3	833; 1706; 4236
HaeI	WGG!CCW	9	968; 1198; 1817; 2048; 3274; 3535; 4897; 5349; 5360
HaeII	RGCGC!Y	5	598; 2720; 2728; 3456; 5131
HaeIII	GG!CC	34	84; 277; 638; 797; 944; 968; 1198; 1234; 1539; 1782; 1817; 1851; 1874; 1896; 2006; 2048; 2099; 2419; 2561; 3216; 3222; 3231; 3274; 3361; 3535; 3926; 3953; 4462; 4519; 4552; 4897; 5331; 5349; 5360
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	2	2128; 3649
HaeIV	!NNNNNNNNNGAYNNNNNNRTC	2	2094; 3615
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	2	2127; 3648
HaeIV	!NNNNNNNGAYNNNNNNRTC	2	2096; 3617
HapII	C!CGG	23	601; 904; 941; 973; 1108; 1370; 1962; 2671; 3358; 3435; 3457; 3485; 3616; 3706; 3773; 3954; 4229; 4237; 4329; 4803; 4993; 5019; 5166
HgaI	GACGCNNNNN!	3	526; 4163; 4242
HgaI	!NNNNNNNNNNNGCGTC	5	1163; 1954; 2786; 4681; 5259
HhaI	GCG!C	21	597; 2719; 2727; 2753; 2775; 2784; 2797; 2828; 3447; 3455; 3519; 3556; 3822; 4082; 4258; 4344; 4747; 4856; 5030; 5130; 5197
HinI	GR!CGYC	8	122; 175; 258; 444; 1965; 3453; 4155; 4234
Hin1II	CATG!	30	304; 364; 784; 931; 1003; 1135; 1153; 1171; 1267; 1384; 1420; 1426; 1438; 1516; 1582; 1662; 1873; 2883; 3023; 3095; 3186; 3327; 3672; 3858; 3889; 3915; 4271; 4655; 5375; 5426
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	2	2127; 3648
Hin4I	!NNNNNNNNNGABNNNNNNRTC	3	2095; 3616; 3646
Hin4I	GABNNNNNRTCNNNNNNNNNNNNN!	3	2127; 3648; 3678
Hin4I	!NNNNNNNNNGAYNNNNNVTC	2	2095; 3616
Hin6I	G!CGC	21	595; 2717; 2725; 2751; 2773; 2782; 2795; 2826; 3445; 3453; 3517; 3554; 3820; 4080; 4256; 4342; 4745; 4854; 5028; 5128; 5195
HinP1I	G!CGC	21	595; 2717; 2725; 2751; 2773; 2782; 2795; 2826; 3445; 3453; 3517; 3554; 3820; 4080; 4256; 4342; 4745; 4854; 5028; 5128; 5195
HincII	GTY!RAC	2	721; 2216
HindII	GTY!RAC	2	721; 2216
HindIII	A!AGCTT	1	622
Hinfi	G!ANTC	16	410; 604; 1518; 1668; 1995; 2104; 2496; 2518; 2928; 3938; 4072; 4124; 4182; 4219; 5001; 5397
HpaI	GTT!AAC	1	2216
HpaII	C!CGG	23	601; 904; 941; 973; 1108; 1370; 1962; 2671; 3358; 3435; 3457; 3485; 3616; 3706; 3773; 3954; 4229; 4237; 4329; 4803; 4993; 5019; 5166
HphI	GGTGANNNNNNNN!	5	376; 1192; 1774; 4524; 4640
HphI	!NNNNNNNTCACC	3	1663; 2570; 3631
Hpy8I	GTN!NAC	17	201; 539; 577; 721; 936; 1083; 1216; 1450; 1470; 1765; 1969; 1978; 2216; 2500; 2517; 2572; 5059
Hpy99I	CGWCG!	8	2027; 3543; 3571; 3865; 3880; 4157; 4542; 5275
Hpy166II	GTN!NAC	17	201; 539; 577; 721; 936; 1083; 1216; 1450; 1470; 1765; 1969; 1978; 2216; 2500; 2517; 2572; 5059
Hpy188I	TCN!GA	14	585; 609; 1477; 1757; 2627; 3236; 3420; 3764; 4117; 4218; 4697; 4831; 5184; 5262
Hpy188III	TC!NNGA	30	613; 651; 671; 781; 1000; 1264; 1278; 1750; 1915; 1954; 2108; 2880; 2932; 3245; 3298; 3471; 3787; 3796; 3879; 3935; 3979; 4069; 4102; 4171; 4652; 4726; 4809; 4907; 5005; 5139
HpyAV	CCTTCNNNNNN!	6	1558; 1606; 1651; 4098; 4205; 4884
HpyAV	!NNNNNGAAGG	13	796; 997; 1048; 1061; 1478; 1850; 2686; 3581; 4310; 4326; 4509; 4826; 5136
HpyCH4III	ACN!GT	19	76; 198; 269; 543; 581; 659; 760; 1213; 1249; 1258; 1447; 2544; 3833; 3949; 4057; 4380; 4871; 5341; 5412
HpyCH4IV	A!CGT	17	122; 134; 175; 258; 339; 444; 963; 1746; 2022; 2513; 2525; 2568; 2678; 3569; 3756; 4537; 4670
HpyCH4V	TG!CA	25	840; 919; 961; 1171; 1287; 1420; 1470; 1792; 1908; 2202; 2229; 2297; 3014; 3023; 3086; 3095; 3210; 3286; 3345; 3504; 3679; 3693; 4763; 5059; 5426

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HpyF3I	C!TNAG	11	606; 1336; 1389; 1647; 1944; 2933; 3235; 4116; 4565; 4688; 5097
HpyF10VI	GCNNNNN!NNGC	27	90; 212; 244; 283; 376; 400; 1426; 1857; 2680; 2710; 2737; 2779; 3020; 3092; 3143; 3222; 3444; 3528; 3551; 3690; 3813; 3896; 4163; 4350; 4554; 4753; 5325
Hsp92I	GR!CGYC	8	122; 175; 258; 444; 1965; 3453; 4155; 4234
Hsp92II	CATG!	30	304; 364; 784; 931; 1003; 1135; 1153; 1171; 1267; 1384; 1420; 1426; 1438; 1516; 1582; 1662; 1873; 2883; 3023; 3095; 3186; 3327; 3672; 3858; 3889; 3915; 4271; 4655; 5375; 5426
HspAI	G!CGC	21	595; 2717; 2725; 2751; 2773; 2782; 2795; 2826; 3445; 3453; 3517; 3554; 3820; 4080; 4256; 4342; 4745; 4854; 5028; 5128; 5195
KasI	G!GCGCC	1	3452
KfII	GG!GWCCC	1	1071
KpnI	GGTAC!C	0	
Kpn2I	T!CCGGA	0	
KspI	CCGC!GG	0	
Ksp22I	T!GATCA	1	924
KspAI	GTT!AAC	1	2216
Kzo9I	!GATC	27	585; 609; 783; 924; 1041; 1266; 1363; 1752; 1902; 1928; 2110; 3290; 3294; 3313; 3624; 3702; 3783; 3792; 3870; 4246; 4262; 4621; 4633; 4711; 4719; 4730; 4805
LguI	GCTCTCN!	0	
LguI	!NNNNGAAGAGC	3	1392; 3797; 4007
LpnI	RGC!GCY	5	596; 2718; 2726; 3454; 5129
LpnPI	CCDGNNNNNNNNNN!	73	102; 295; 614; 684; 748; 863; 917; 954; 986; 1064; 1088; 1108; 1207; 1243; 1304; 1368; 1383; 1520; 1577; 1625; 1659; 1721; 1736; 1797; 1865; 1889; 1913; 1975; 2062; 2190; 2495; 2684; 2907; 2945; 2961; 3001; 3056; 3073; 3173; 3258; 3371; 3448; 3470; 3493; 3629; 3643; 3662; 3719; 3786; 3836; 3852; 3909; 3967; 4176; 4242; 4266; 4342; 4431; 4534; 4567; 4798; 4816; 4962; 4982; 5006; 5032; 5081; 5179; 5224; 5254; 5333; 5358; 5395
LpnPI	!NNNNNNNNNNNNNNCHGG	64	75; 268; 552; 586; 736; 840; 889; 926; 958; 1093; 1163; 1216; 1263; 1323; 1355; 1550; 1598; 1694; 1795; 1838; 1947; 1973; 2060; 2536; 2656; 2713; 2776; 2974; 2986; 3046; 3058; 3290; 3335; 3378; 3420; 3442; 3470; 3517; 3579; 3601; 3691; 3758; 3781; 3825; 3920; 3939; 3964; 4113; 4214; 4257; 4314; 4404; 4507; 4534; 4552; 4788; 4825; 4978; 5004; 5144; 5162; 5197; 5278; 5331
Lsp1109I	GCAGCNNNNNNNN!	10	931; 1183; 1599; 2041; 2241; 3526; 3568; 4089; 4542; 5042
Lsp1109I	!NNNNNNNNNNNNNGCTGC	7	1718; 2735; 3400; 3584; 3677; 4743; 4949
LweI	GCATCNNNNN!	11	714; 786; 1107; 1296; 1626; 2269; 3032; 3104; 3752; 3816; 4091
LweI	!NNNNNNNNNGATGC	8	357; 1779; 1818; 1947; 3411; 3666; 3882; 5274
MabI	A!CCWGGT	1	3042
MaeI	C!TAG	9	592; 2067; 2108; 2302; 2720; 3276; 4291; 4625; 4878
MaeII	A!CGT	17	122; 134; 175; 258; 339; 444; 963; 1746; 2022; 2513; 2525; 2568; 2678; 3569; 3756; 4537; 4670
MaeIII	!GTNAC	14	61; 148; 497; 1187; 1669; 2241; 2742; 2754; 3573; 3879; 4569; 4835; 4951; 5014
MalI	GA!TC	27	587; 611; 785; 926; 1043; 1268; 1365; 1754; 1904; 1930; 2112; 3292; 3296; 3315; 3626; 3704; 3785; 3794; 3872; 4248; 4264; 4623; 4635; 4713; 4721; 4732; 4807
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	3	157; 240; 426
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2877; 4066
MbiI	GAG!CGG	3	2096; 2713; 4120
MboI	!GATC	27	585; 609; 783; 924; 1041; 1266; 1363; 1752; 1902; 1928; 2110; 3290; 3294; 3313; 3624; 3702; 3783; 3792; 3870; 4246; 4262; 4621; 4633; 4711; 4719; 4730; 4805
MboII	GAAGANNNNNNNN!	9	1049; 1409; 1694; 1807; 2709; 2937; 3814; 4024; 4643
MboII	!NNNNNNNTCTTC	10	757; 1093; 1108; 1120; 1156; 1243; 4104; 4271; 4471; 4714
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	2203
MfII	R!GATCY	11	585; 609; 1363; 1928; 3624; 3870; 4262; 4621; 4633; 4719; 4730

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MhII	GDGCH!C	15	620; 695; 916; 1445; 1472; 1505; 2082; 2644; 3399; 3492; 3566; 3756; 3818; 4528; 5061
MIsI	TGG!CCA	2	2048; 3535
MluI	A!CGCGT	0	
MluNI	TGG!CCA	2	2048; 3535
MlyI	GAGTCNNNNN!	3	1677; 2505; 2937
MlyI	!NNNNNGACTC	6	404; 598; 2098; 2512; 4118; 4995
Mly113I	GG!CGCC	1	3453
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	2	1800; 2546
MmeI	!NNNNNNNNNNNNNNNNNNNGTYGGA	2	4978; 5162
MnII	CCTCNNNNNNN!	17	658; 719; 773; 797; 956; 1551; 1730; 1745; 1961; 2072; 2172; 3236; 4054; 4260; 4574; 4944; 5268
MnII	!NNNNNNGAGG	24	541; 667; 799; 1432; 1471; 1492; 1525; 1642; 1751; 1807; 1996; 2029; 2132; 2597; 2928; 3206; 3249; 3264; 3304; 3368; 3504; 3861; 4291; 5194
Mph1103I	ATGCA!T	3	3025; 3097; 5428
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	0	
MroNI	G!CCGGC	4	940; 2670; 3953; 4236
MroXI	GAANN!NNTTC	0	
MscI	TGG!CCA	2	2048; 3535
MseI	T!TAA	19	7; 1026; 1407; 1632; 2088; 2154; 2215; 2336; 2357; 2368; 2380; 2391; 2408; 2506; 2777; 4596; 4610; 4615; 4667
MslI	CAYNN!NNRTG	5	365; 1382; 1421; 1826; 3890
MspI	C!CGG	23	601; 904; 941; 973; 1108; 1370; 1962; 2671; 3358; 3435; 3457; 3485; 3616; 3706; 3773; 3954; 4229; 4237; 4329; 4803; 4993; 5019; 5166
Msp20I	TGG!CCA	2	2048; 3535
MspA1I	CMG!CKG	6	922; 1841; 2951; 3559; 4788; 5033
MspCI	C!TTAAG	1	2335
MspJI	CNNRRNNNNNNNNN!	276	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; 654; 668; 683; 706; 722; 736; 763; 788; 802; 836; 862; 902; 916; 935; 949; 962; 976; 992; 1012; 1033; 1048; 1062; 1078; 1098; 1120; 1144; 1162; 1180; 1206; 1242; 1267; 1290; 1303; 1317; 1348; 1367; 1382; 1401; 1415; 1429; 1447; 1477; 1495; 1510; 1525; 1543; 1576; 1591; 1619; 1634; 1658; 1671; 1687; 1705; 1719; 1735; 1748; 1762; 1783; 1796; 1817; 1830; 1850; 1864; 1882; 1895; 1912; 1927; 1944; 1964; 1994; 2011; 2031; 2045; 2061; 2078; 2093; 2113; 2126; 2141; 2160; 2177; 2190; 2231; 2245; 2258; 2276; 2314; 2329; 2347; 2388; 2412; 2432; 2450; 2471; 2494; 2526; 2541; 2563; 2581; 2594; 2615; 2632; 2645; 2658; 2674; 2687; 2717; 2732; 2757; 2775; 2788; 2803; 2827; 2841; 2865; 2890; 2906; 2944; 2960; 2999; 3013; 3027; 3055; 3071; 3085; 3099; 3128; 3141; 3162; 3171; 3193; 3223; 3239; 3257; 3287; 3310; 3334; 3358; 3377; 3405; 3431; 3447; 3460; 3483; 3497; 3517; 3530; 3544; 3563; 3577; 3590; 3606; 3621; 3634; 3650; 3665; 3681; 3706; 3725; 3741; 3754; 3767; 3785; 3799; 3813; 3829; 3851; 3867; 3886; 3908; 3924; 3947; 3966; 3980; 3996; 4010; 4030; 4046; 4059; 4081; 4114; 4128; 4148; 4161; 4175; 4229; 4242; 4265; 4278; 4297; 4314; 4341; 4377; 4410; 4429; 4454; 4475; 4502; 4515; 4532; 4546; 4561; 4577; 4637; 4662; 4678; 4700; 4713; 4727; 4758; 4772; 4797; 4815; 4830; 4843; 4862; 4875; 4890; 4919; 4938; 4956; 4981; 4996; 5015; 5031; 5050; 5068; 5084; 5098; 5117; 5144; 5167; 5189; 5208; 5223; 5236; 5253; 5273; 5300; 5313; 5332; 5357; 5380; 5394; 5407; 5424

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	!NNNNNNNNNNNNNNYNG	227	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; 635; 657; 674; 696; 721; 760; 785; 806; 823; 840; 861; 889; 914; 935; 959; 986; 1007; 1037; 1061; 1081; 1104; 1122; 1154; 1180; 1216; 1241; 1259; 1277; 1297; 1323; 1341; 1367; 1394; 1421; 1451; 1475; 1493; 1517; 1536; 1558; 1598; 1619; 1645; 1665; 1694; 1736; 1770; 1791; 1811; 1838; 1856; 1873; 1891; 1919; 1940; 1959; 1985; 2007; 2030; 2053; 2079; 2105; 2134; 2163; 2205; 2288; 2323; 2350; 2373; 2402; 2446; 2468; 2500; 2536; 2553; 2574; 2611; 2631; 2648; 2665; 2700; 2718; 2736; 2753; 2777; 2799; 2826; 2854; 2880; 2918; 2939; 2956; 2974; 2997; 3018; 3046; 3069; 3090; 3108; 3129; 3146; 3169; 3193; 3213; 3231; 3253; 3284; 3306; 3332; 3351; 3368; 3396; 3415; 3434; 3452; 3470; 3491; 3513; 3537; 3570; 3590; 3608; 3629; 3655; 3682; 3699; 3716; 3733; 3759; 3781; 3803; 3821; 3841; 3860; 3882; 3920; 3940; 3964; 3984; 4004; 4031; 4055; 4088; 4107; 4135; 4157; 4186; 4214; 4239; 4258; 4277; 4298; 4315; 4332; 4363; 4390; 4410; 4433; 4453; 4490; 4507; 4526; 4552; 4572; 4611; 4638; 4657; 4675; 4712; 4730; 4771; 4789; 4815; 4832; 4864; 4893; 4921; 4942; 4965; 4984; 5005; 5023; 5040; 5058; 5084; 5105; 5125; 5145; 5163; 5184; 5210; 5227; 5246; 5265; 5294; 5313; 5331; 5350; 5368; 5386; 5409
MspR9I	CC!NGG	26	90; 283; 855; 950; 1109; 1195; 1231; 1565; 1613; 1709; 1724; 1853; 1962; 2989; 3044; 3061; 3457; 3617; 3840; 4230; 4419; 4522; 4994; 5212; 5225; 5346
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	2203
MvaI	CC!WGG	20	90; 283; 855; 950; 1195; 1231; 1565; 1613; 1709; 1724; 1853; 2989; 3044; 3061; 3840; 4419; 4522; 5212; 5225; 5346
MvaI269I	GAATGCN!	1	2204
MvaI269I	G!CATTC	1	2297
MvnI	CG!CG	18	60; 635; 800; 1361; 2102; 2377; 2753; 2773; 2797; 2828; 3519; 3820; 4258; 4342; 4405; 4474; 4747; 5328
MvrI	CGAT!CG	0	
MwoI	GCNNNNN!NNGC	27	90; 212; 244; 283; 376; 400; 1426; 1857; 2680; 2710; 2737; 2779; 3020; 3092; 3143; 3222; 3444; 3528; 3551; 3690; 3813; 3896; 4163; 4350; 4554; 4753; 5325
NaeI	GCC!GGC	4	942; 2672; 3955; 4238
NarI	GG!CGCC	1	3453
NciI	CC!ISGG	6	1109; 1962; 3457; 3617; 4230; 4994
NcoI	C!CATGG	4	360; 1380; 3182; 3885
NdeI	CA!TATG	1	234
NdeII	!GATC	27	585; 609; 783; 924; 1041; 1266; 1363; 1752; 1902; 1928; 2110; 3290; 3294; 3313; 3624; 3702; 3783; 3792; 3870; 4246; 4262; 4621; 4633; 4711; 4719; 4730; 4805
NgoAVIII	GACNNNNNTGANNNNNNNNNNN!	1	280
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	3	1119; 1325; 1509
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	3	1155; 1361; 1545
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	1	244
NgoMIV	G!CCGGC	4	940; 2670; 3953; 4236
NheI	G!CTAGC	1	591
NlaIII	CATG!	30	304; 364; 784; 931; 1003; 1135; 1153; 1171; 1267; 1384; 1420; 1426; 1438; 1516; 1582; 1662; 1873; 2883; 3023; 3095; 3186; 3327; 3672; 3858; 3889; 3915; 4271; 4655; 5375; 5426
NlaIV	GGN!NCC	20	467; 1072; 1073; 1365; 1444; 1504; 1895; 2608; 2629; 2641; 2832; 2993; 3065; 3454; 3489; 4337; 4416; 4461; 5304; 5343
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	4	1324; 2285; 2600; 4192
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	3	347; 1769; 5264
Nlj3877I	CYCGR!G	3	617; 653; 714
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	3242; 3678
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	2	1785; 3207
NmeDI	RCCGGYNNNNNNN!	6	952; 1381; 2682; 3784; 3965; 4248
NmeDI	!NNNNNNNNNNNNRCCGGY	6	927; 1356; 2657; 3759; 3940; 4223
NmuCI	!GTSAC	4	1669; 2742; 3573; 3879
NotI	GC!GGCCGC	2	636; 2097
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3555
NsiI	ATGCA!T	3	3025; 3097; 5428
NspI	RCATG!Y	5	1420; 3023; 3095; 3858; 5375

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NspV	TT!CGAA	3	627; 1119; 4135
OliI	CACNN!NNGTG	1	1382
PabI	GTA!C	11	220; 245; 300; 333; 384; 541; 1155; 1434; 1584; 1836; 3760
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	3023; 3095; 3858
PaeR7I	C!TCGAG	1	613
PagI	T!CATGA	5	780; 999; 1263; 2879; 4651
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	3	1612; 4418; 4521
PauI	G!CGCGC	0	
PceI	AGG!CCT	1	3274
PciI	A!CATGT	1	5371
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	3	1392; 3797; 4007
PcsI	WCGNNNN!NNNCGW	7	2031; 3747; 3824; 4067; 4141; 4534; 5052
PctI	GAATGCN!	1	2204
PctI	G!CATTC	1	2297
PdiI	GCC!GGC	4	942; 2672; 3955; 4238
PdmI	GAANN!NNTTC	0	
PfeI	G!AWTC	7	1518; 1995; 3938; 4072; 4182; 4219; 5397
PfiI23II	C!GTACG	0	
PfifI	GACN!NNGTC	1	3571
PfimiI	CCANNNN!NTGG	1	1987
PfoI	T!CCNGGA	2	1722; 4228
PhoI	GG!CC	34	84; 277; 638; 797; 944; 968; 1198; 1234; 1539; 1782; 1817; 1851; 1874; 1896; 2006; 2048; 2099; 2419; 2561; 3216; 3222; 3231; 3274; 3361; 3535; 3926; 3953; 4462; 4519; 4552; 4897; 5331; 5349; 5360
PinAI	A!CCGGT	1	1369
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNNNN!	1	3834
PlaDI	!NNNNNNNNNNNNNNNNNNNNCTGATG	2	3399; 3654
PleI	GAGTCNNNN!	3	1676; 2504; 2936
PleI	!NNNNNGACTC	6	404; 598; 2098; 2512; 4118; 4995
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	1	964
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	1	964
PpiI	GAACNNNNNCTCNNNNNNNNNNNNNN!	1	2535
PpiI	!NNNNNNNNGAGNNNNNGTTC	1	4665
PpiI	GAGNNNNNGTTCNNNNNNNNNNNNNN!	1	4697
PpiI	!NNNNNNNGAACNNNNNCTC	1	2503
PpsI	GAGTCNNNN!	3	1676; 2504; 2936
PpsI	!NNNNNGACTC	6	404; 598; 2098; 2512; 4118; 4995
Ppu10I	A!TGCAT	3	3021; 3093; 5424
Ppu21I	YAC!GTR	4	340; 964; 2569; 3757
PpuMI	RG!GWCCY	1	1071
PscI	A!CATGT	1	5371
PshAI	GACNN!NNGTC	1	2021
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	2236; 2441
Psp03I	GGWC!C	6	1060; 1074; 1086; 1981; 3972; 4417
Psp5II	RG!GWCCY	1	1071
Psp6I	!CCWGG	20	88; 281; 853; 948; 1193; 1229; 1563; 1611; 1707; 1722; 1851; 2987; 3042; 3059; 3838; 4417; 4520; 5210; 5223; 5344
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	1	620
PspCI	CAC!GTG	1	964
PspEI	G!GTNACC	0	
PspGI	!CCWGG	20	88; 281; 853; 948; 1193; 1229; 1563; 1611; 1707; 1722; 1851; 2987; 3042; 3059; 3838; 4417; 4520; 5210; 5223; 5344
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	20	467; 1072; 1073; 1365; 1444; 1504; 1895; 2608; 2629; 2641; 2832; 2993; 3065; 3454; 3489; 4337; 4416; 4461; 5304; 5343
PspOMI	G!GGCCC	0	
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNNNN!	3	125; 3183; 4182

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	3585
PspPI	G!GNCC	18	83; 276; 943; 1057; 1071; 1083; 1233; 1538; 1781; 1873; 1894; 1978; 2560; 3969; 4414; 4460; 4518; 4551
PspPPI	RG!GWCCY	1	1071
PspPRI	CCYCAGNNNNNNNNNNNNNN!	3	3006; 3078; 4584
PspPRI	!NNNNNNNNNNNNNCTGRGG	4	1633; 2061; 2919; 4114
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNTACNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNTAC	0	
PssI	RGGNC!CY	2	1074; 4554
PstI	CTGCA!G	1	921
PstNI	CAGNN!CTG	4	1177; 2055; 4554; 4962
PsuI	R!GATCY	11	585; 609; 1363; 1928; 3624; 3870; 4262; 4621; 4633; 4719; 4730
PsyI	GACN!NNGTC	1	3571
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	3	922; 2951; 3559
RcaI	T!CATGA	5	780; 999; 1263; 2879; 4651
RceI	CATCGACNNNNNNNNNNNNNN!	1	3968
RceI	!NNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNN!	2	1252; 2182
RleAI	!NNNNNNNNNTGTGGG	1	800
RpaBI	CCCGCAGNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGACNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	11	219; 244; 299; 332; 383; 540; 1154; 1433; 1583; 1835; 3759
RsaNI	G!TAC	11	218; 243; 298; 331; 382; 539; 1153; 1432; 1582; 1834; 3758
RseI	CAYNN!NNRTG	5	365; 1382; 1421; 1826; 3890
RsrII	CG!GWCCG	1	3969
Rsr2I	CG!GWCCG	1	3969
SacI	GAGCT!C	1	620
SacII	CCGC!GG	0	
SalI	G!TCGAC	0	
SapI	GCTCTTCN!	0	
SapI	!NNNNGAAGAGC	3	1392; 3797; 4007
SaqAI	T!TAA	19	7; 1026; 1407; 1632; 2088; 2154; 2215; 2336; 2357; 2368; 2380; 2391; 2408; 2506; 2777; 4596; 4610; 4615; 4667
SatI	GC!NGC	40	636; 639; 798; 920; 1172; 1537; 1588; 1732; 1849; 2030; 2097; 2100; 2230; 2749; 2771; 2785; 3223; 3362; 3414; 3425; 3515; 3520; 3557; 3598; 3685; 3688; 3691; 3927; 4023; 4064; 4078; 4192; 4531; 4546; 4757; 4963; 4966; 5031; 5174; 5329
Sau96I	G!GNCC	18	83; 276; 943; 1057; 1071; 1083; 1233; 1538; 1781; 1873; 1894; 1978; 2560; 3969; 4414; 4460; 4518; 4551
Sau3AI	!GATC	27	585; 609; 783; 924; 1041; 1266; 1363; 1752; 1902; 1928; 2110; 3290; 3294; 3313; 3624; 3702; 3783; 3792; 3870; 4246; 4262; 4621; 4633; 4711; 4719; 4730; 4805
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	3	1677; 2505; 2937
SchI	!NNNNNGACTC	6	404; 598; 2098; 2512; 4118; 4995
SciI	CTC!GAG	1	615
ScrFI	CC!NGG	26	90; 283; 855; 950; 1109; 1195; 1231; 1565; 1613; 1709; 1724; 1853; 1962; 2989; 3044; 3061; 3457; 3617; 3840; 4230; 4419; 4522; 4994; 5212; 5225; 5346
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNN!	7	1078; 1819; 1887; 3031; 3103; 3272; 5214
SdeAI	!NNNNNNNNNNNNNNNCTYCTG	3	927; 3608; 4093
SdeOSI	GACNNNRTGANNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNTCAYNNNNGTC	1	1120

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNNNN!	1	1154
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	1	245
SduI	GDGCH!C	15	620; 695; 916; 1445; 1472; 1505; 2082; 2644; 3399; 3492; 3566; 3756; 3818; 4528; 5061
SelI	!CGCG	18	58; 633; 798; 1359; 2100; 2375; 2751; 2771; 2795; 2826; 3517; 3818; 4256; 4340; 4403; 4472; 4745; 5326
SetI	ASST!	73	125; 137; 178; 261; 308; 342; 447; 552; 568; 620; 626; 810; 924; 958; 966; 1059; 1088; 1126; 1311; 1331; 1404; 1431; 1527; 1577; 1598; 1749; 1884; 1902; 1953; 2021; 2025; 2040; 2064; 2143; 2164; 2173; 2185; 2234; 2401; 2516; 2528; 2571; 2608; 2658; 2681; 2805; 2953; 3048; 3241; 3354; 3482; 3561; 3572; 3644; 3715; 3759; 4019; 4165; 4209; 4540; 4571; 4630; 4673; 4816; 4837; 4936; 5073; 5088; 5107; 5119; 5163; 5209; 5260
SexAI	A!CCWGGT	1	3042
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	11	714; 786; 1107; 1296; 1626; 2269; 3032; 3104; 3752; 3816; 4091
SfaNI	!NNNNNNNNNGATGC	8	357; 1779; 1818; 1947; 3411; 3666; 3882; 5274
SfcI	C!TRYAG	5	698; 917; 2788; 4915; 5106
SfiI	GGCCNNNN!NGGCC	1	3228
SfoI	GGC!GCC	1	3454
Sfr274I	C!TCGAG	1	613
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	3	627; 1119; 4135
SgeI	CNNGNNNNNNNNN!	215	6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 625; 646; 661; 683; 722; 736; 763; 793; 811; 836; 862; 916; 940; 953; 974; 992; 1012; 1033; 1063; 1087; 1107; 1120; 1144; 1162; 1180; 1206; 1242; 1267; 1290; 1303; 1350; 1367; 1382; 1429; 1447; 1477; 1501; 1519; 1534; 1576; 1591; 1624; 1658; 1671; 1699; 1720; 1735; 1762; 1796; 1817; 1837; 1850; 1864; 1882; 1895; 1912; 1927; 1945; 1966; 2000; 2038; 2061; 2079; 2113; 2160; 2189; 2231; 2314; 2388; 2472; 2494; 2526; 2563; 2581; 2600; 2615; 2657; 2674; 2691; 2726; 2740; 2757; 2779; 2803; 2827; 2892; 2906; 2944; 2960; 3000; 3013; 3032; 3055; 3072; 3085; 3104; 3134; 3155; 3172; 3195; 3230; 3257; 3288; 3310; 3336; 3358; 3377; 3405; 3441; 3460; 3483; 3497; 3517; 3530; 3544; 3563; 3577; 3596; 3628; 3642; 3655; 3681; 3712; 3725; 3742; 3759; 3773; 3790; 3808; 3823; 3851; 3867; 3886; 3908; 3924; 3947; 3966; 3991; 4010; 4030; 4057; 4081; 4114; 4133; 4161; 4175; 4241; 4265; 4280; 4303; 4324; 4341; 4389; 4416; 4430; 4459; 4483; 4516; 4533; 4553; 4566; 4579; 4637; 4664; 4683; 4713; 4738; 4758; 4772; 4797; 4815; 4852; 4890; 4919; 4947; 4961; 4981; 4996; 5017; 5031; 5050; 5068; 5084; 5124; 5144; 5171; 5189; 5210; 5223; 5236; 5253; 5277; 5300; 5332; 5357; 5384; 5406
SgeI	!NNNNNNNNNNNNNCNNG	188	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 599; 620; 637; 657; 696; 721; 767; 785; 810; 836; 890; 914; 935; 959; 986; 1007; 1037; 1061; 1081; 1118; 1136; 1154; 1180; 1216; 1241; 1264; 1324; 1341; 1367; 1403; 1421; 1451; 1475; 1493; 1517; 1550; 1598; 1632; 1673; 1694; 1736; 1770; 1791; 1811; 1838; 1856; 1877; 1901; 1919; 1940; 1974; 2012; 2035; 2053; 2087; 2134; 2163; 2205; 2288; 2362; 2446; 2468; 2500; 2537; 2555; 2574; 2631; 2648; 2665; 2700; 2718; 2738; 2758; 2777; 2801; 2866; 2918; 2974; 3006; 3029; 3046; 3078; 3108; 3129; 3146; 3169; 3204; 3231; 3262; 3284; 3310; 3332; 3351; 3379; 3415; 3434; 3457; 3478; 3496; 3513; 3537; 3570; 3602; 3629; 3655; 3686; 3716; 3733; 3759; 3782; 3803; 3825; 3845; 3865; 3882; 3921; 3940; 3965; 3984; 4004; 4031; 4055; 4088; 4107; 4135; 4157; 4215; 4239; 4258; 4277; 4298; 4315; 4363; 4390; 4410; 4433; 4457; 4490; 4507; 4527; 4553; 4611; 4638; 4657; 4687; 4712; 4732; 4771; 4789; 4826; 4864; 4893; 4921; 4942; 4970; 4991; 5024; 5042; 5098; 5118; 5145; 5163; 5184; 5210; 5227; 5251; 5274; 5306; 5331; 5358; 5380; 5409
SgfI	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	0	
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	6	27; 1071; 1111; 2600; 4387; 5180

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SimI	!GACCC	4	106; 3881; 4449; 4697
SinI	G!GWCC	6	1057; 1071; 1083; 1978; 3969; 4414
SlaI	C!TCGAG	1	613
SmaI	CCC!GGG	0	
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	5	365; 1382; 1421; 1826; 3890
SmlI	C!TYRAG	8	613; 619; 1952; 2335; 3844; 4726; 5003; 5265
SmoI	C!TYRAG	8	613; 619; 1952; 2335; 3844; 4726; 5003; 5265
SmuI	CCCGCNNNN!	10	93; 119; 286; 1846; 1948; 2775; 3130; 3151; 4347; 4479
SmuI	!NNNNNNGCGGG	6	1883; 2706; 3576; 4113; 4251; 4398
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	3023; 3095; 3858
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	13	18; 629; 1281; 2089; 2203; 2267; 2345; 2371; 2382; 3029; 3101; 3193; 4611
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCCT	0	
SseBI	AGG!CCT	1	3274
SsiI	C!CGC	38	58; 86; 98; 112; 279; 507; 589; 639; 775; 798; 1701; 1839; 1941; 2100; 2768; 2771; 2785; 2875; 3123; 3135; 3144; 3156; 3166; 3177; 3223; 3362; 3425; 3927; 3972; 4038; 4064; 4189; 4192; 4340; 4472; 4779; 4923; 5419
SsiI	G!CGG	29	370; 403; 528; 635; 1361; 1536; 1848; 1890; 2096; 2713; 2740; 2828; 2938; 3519; 3583; 3684; 3687; 3967; 4022; 4120; 4258; 4405; 4545; 4788; 5033; 5154; 5173; 5300; 5328
SspI	AAT!ATT	2	2361; 2914
SspDI	G!GCGCC	1	3452
SspD5I	GGTGANNNNNNNN!	5	376; 1192; 1774; 4524; 4640
SspD5I	!NNNNNNNNNTCACC	3	1662; 2569; 3630
SstI	GAGCT!C	1	620
SstII	CCGC!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	1	1707
SstE37I	!NNNNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	19	92; 118; 285; 1629; 1845; 1947; 1968; 2652; 2774; 3129; 3150; 3463; 3866; 4005; 4076; 4346; 4478; 4708; 5146
Sth132I	!NNNNNNNNNCGGG	23	15; 407; 470; 642; 703; 1100; 1678; 1882; 2653; 2705; 2806; 3533; 3575; 3608; 4112; 4221; 4250; 4397; 4501; 4532; 4985; 5029; 5237
Sth302II	CC!GG	23	602; 905; 942; 974; 1109; 1371; 1963; 2672; 3359; 3436; 3458; 3486; 3617; 3707; 3774; 3955; 4230; 4238; 4330; 4804; 4994; 5020; 5167
StrI	C!TCGAG	1	613
StsI	GGATGNNNNNNNNNN!	4	3321; 3778; 3803; 4257
StsI	!NNNNNNNNNNNNNNNNCATCC	9	653; 691; 886; 1273; 1458; 1546; 1603; 1758; 3125
StuI	AGG!CCT	1	3274
StyI	C!CWWGG	6	360; 1380; 3182; 3275; 3885; 4290
StyD4I	!CCNGG	26	88; 281; 853; 948; 1107; 1193; 1229; 1563; 1611; 1707; 1722; 1851; 1960; 2987; 3042; 3059; 3455; 3615; 3838; 4228; 4417; 4520; 4992; 5210; 5223; 5344
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	19	76; 198; 269; 543; 581; 659; 760; 1213; 1249; 1258; 1447; 2544; 3833; 3949; 4057; 4380; 4871; 5341; 5412
TaiI	ACGT!	17	125; 137; 178; 261; 342; 447; 966; 1749; 2025; 2516; 2528; 2571; 2681; 3572; 3759; 4540; 4673
TaqI	T!CGA	19	614; 627; 1035; 1065; 1119; 1530; 1557; 2025; 2602; 3293; 3566; 3722; 3746; 3782; 3944; 4135; 4180; 4435; 5273
TaqII	GACCGANNNNNNNNNN!	3	2473; 3490; 4158
TaqII	!NNNNNNNNNTCGGTC	1	4402
TaqII	CACCCANNNNNNNNNN!	2	1520; 1625
TaqII	!NNNNNNNNNTGGGTG	3	172; 3357; 3949
TasI	!AATT	13	18; 629; 1281; 2089; 2203; 2267; 2345; 2371; 2382; 3029; 3101; 3193; 4611
TatI	W!GTACW	6	217; 297; 330; 381; 1152; 1431
TauI	GCSG!C	22	638; 641; 800; 1539; 1851; 2099; 2102; 2773; 2787; 3225; 3364; 3427; 3522; 3687; 3690; 3929; 4025; 4066; 4194; 4548; 5176; 5331

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TfiI	G!AWTC	7	1518; 1995; 3938; 4072; 4182; 4219; 5397
TliI	C!TCGAG	1	613
Tru1I	T!TAA	19	7; 1026; 1407; 1632; 2088; 2154; 2215; 2336; 2357; 2368; 2380; 2391; 2408; 2506; 2777; 4596; 4610; 4615; 4667
Tru9I	T!TAA	19	7; 1026; 1407; 1632; 2088; 2154; 2215; 2336; 2357; 2368; 2380; 2391; 2408; 2506; 2777; 4596; 4610; 4615; 4667
TscAI	CASTGNN!	8	664; 763; 1218; 2299; 3582; 4692; 4963; 4976
TseI	G!CWGC	18	919; 1171; 1587; 1731; 2029; 2229; 2748; 3413; 3514; 3556; 3597; 3690; 4077; 4530; 4756; 4962; 4965; 5030
TsoI	TARCCANNNNNNNNNNN!	2	2425; 2772
TsoI	!NNNNNNNNNTGGYTA	3	1556; 2230; 3982
Tsp45I	!GTSAC	4	1669; 2742; 3573; 3879
Tsp509I	!AATT	13	18; 629; 1281; 2089; 2203; 2267; 2345; 2371; 2382; 3029; 3101; 3193; 4611
TspDTI	ATGAANNNNNNNNNNN!	5	1016; 1439; 2211; 3512; 4216
TspDTI	!NNNNNNNNNTTCAT	13	26; 757; 988; 1120; 1156; 1213; 1252; 1312; 1567; 1588; 3930; 4386; 4593
TspEI	!AATT	13	18; 629; 1281; 2089; 2203; 2267; 2345; 2371; 2382; 3029; 3101; 3193; 4611
TspGWI	ACGGANNNNNNNNNNN!	2	1006; 4328
TspGWI	!NNNNNNNNNTCCGT	1	1049
TspMI	C!CCGGG	0	
TspRI	CASTGNN!	8	664; 763; 1218; 2299; 3582; 4692; 4963; 4976
TstI	CACNNNNNNNTCCNNNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNNGTG	0	
TstI	GGANNNNNNGTGNNNNNNNNNNNNNN!	0	
TstI	!NNNNNNNNNCACNNNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	3571
Tth111II	CAARCANNNNNNNNNNN!	2	740; 4780
Tth111II	!NNNNNNNNNTGYTTG	4	825; 3888; 4748; 4787
UnbI	!GGNCC	18	82; 275; 942; 1056; 1070; 1082; 1232; 1537; 1780; 1872; 1893; 1977; 2559; 3968; 4413; 4459; 4517; 4550
Van91I	CCANNNN!NTGG	1	1987
Vha464I	C!TTAAG	1	2335
VneI	G!TGCAC	2	1468; 5057
VpaK11AI	!GGWCC	6	1056; 1070; 1082; 1977; 3968; 4413
VpaK11BI	G!GWCC	6	1057; 1071; 1083; 1978; 3969; 4414
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATY	5	629; 1281; 2267; 2371; 2382
XbaI	T!CTAGA	1	2107
XceI	RCATG!Y	5	1420; 3023; 3095; 3858; 5375
XcmI	CCANNNNN!NNNNTGG	0	
XhoI	C!TCGAG	1	613
XhoII	R!GATCY	11	585; 609; 1363; 1928; 3624; 3870; 4262; 4621; 4633; 4719; 4730
XmaI	C!CCGGG	0	
XmaJI	C!CTAGG	2	3275; 4290
XmiI	GT!MKAC	1	1968
XmnI	GAANN!NNTTC	0	
XspI	C!TAG	9	592; 2067; 2108; 2302; 2720; 3276; 4291; 4625; 4878
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	3025; 3097; 5428